

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100523AL\
 Data File : FE044607.D
 Signal(s) : FID1B.ch
 Acq On : 05 Oct 2023 06:25
 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 10/05/2023
 Supervised By :Ankita Jodhani 10/05/2023

Integration File: autoint1.e
 Quant Time: Oct 05 08:53:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 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)	11.923	3965475	21.122 ug/ml
Spiked Amount 50.000		Recovery =	42.24%
12) S 1-chlorooctadecane (S...	13.364	2941450	21.621 ug/ml
Spiked Amount 50.000		Recovery =	43.24%
Target Compounds			
1) T n-Nonane (C9)	3.305	3264258	20.106 ug/ml
2) T n-Decane (C10)	4.556	3348148	20.220 ug/ml
3) T A~Naphthalene (C11.7)	6.257	3640494	20.362 ug/ml
4) T n-Dodecane (C12)	6.721	3397172	20.424 ug/ml
5) T A~2-methylnaphthalene...	7.353	3550935	20.755 ug/ml
6) T n-Tetradecane (C14)	8.549	3373402	20.549 ug/ml
7) T n-Hexadecane (C16)	10.161	3444361	20.332 ug/ml
8) T n-Octadecane (C18)	11.607	3447485	20.305 ug/ml
10) T n-Eicosane (C20)	12.920	3318811	20.628 ug/ml
11) T n-Heneicosane (C21)	13.532	3243428	20.713 ug/ml
13) T n-Docosane (C22)	14.120	3211789	20.824 ug/ml
14) T n-Tetracosane (C24)	15.225	3117044	20.620 ug/ml
15) T n-Hexacosane (C26)	16.249	3040280	20.669 ug/ml
16) T n-Octacosane (C28)	17.201	3016829	21.035 ug/ml
17) T n-Tricontane (C30)	18.091	3132689	21.134 ug/ml
18) T n-Dotriacontane (C32)	18.926	3189148	21.543 ug/ml
19) T n-Tetratriacontane (C34)	19.713	3104521	21.243 ug/ml
20) T n-Hexatriacontane (C36)	20.456	3112015	21.454 ug/ml
21) T n-Octatriacontane (C38)	21.201	3145481	20.999 ug/ml
22) T n-Tetracontane (C40)	22.129	3273768	20.745 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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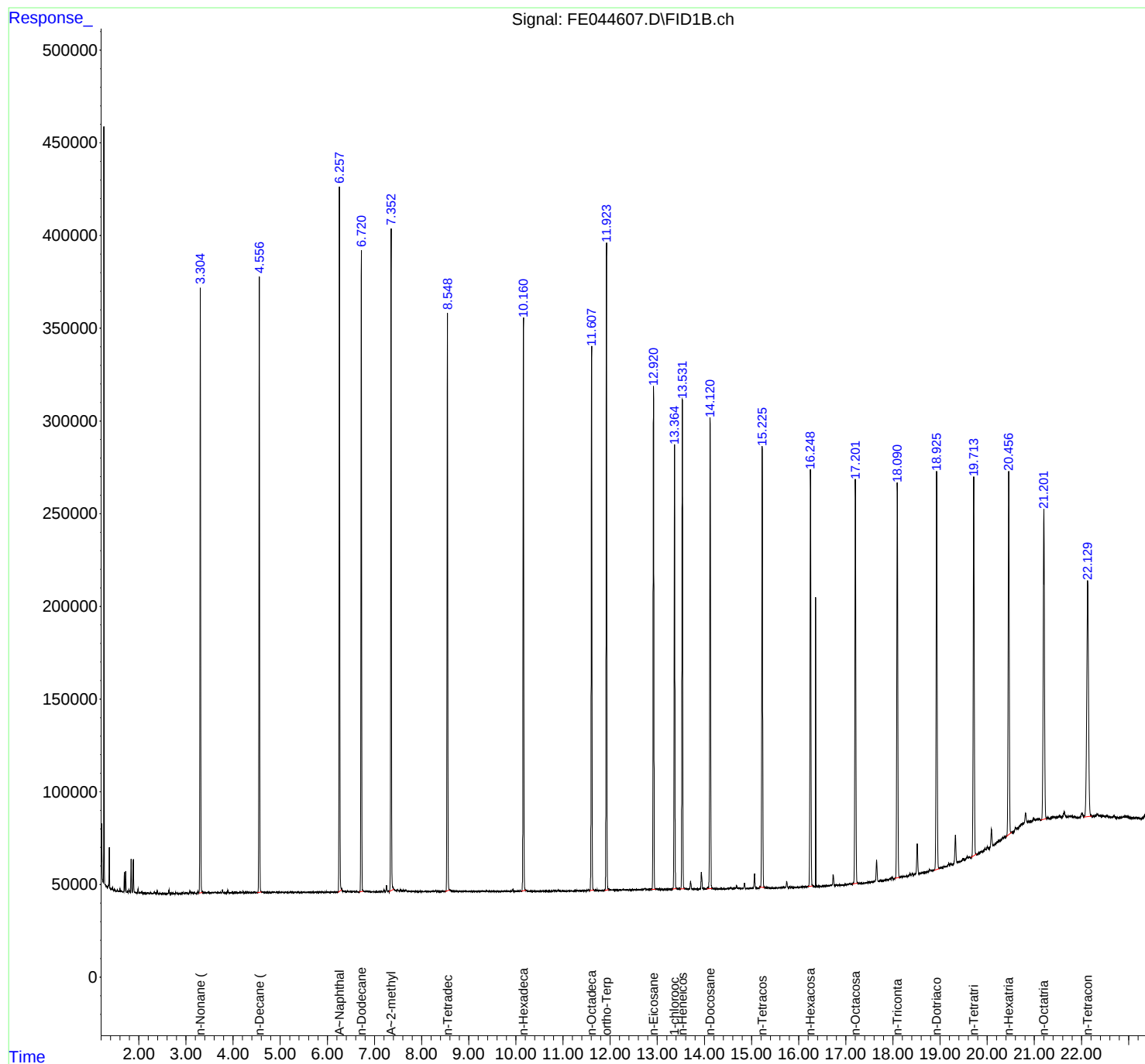
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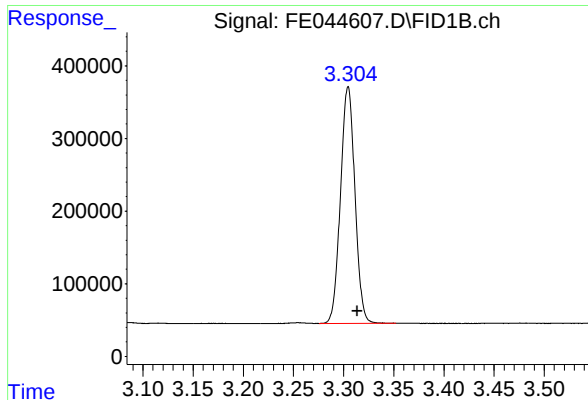
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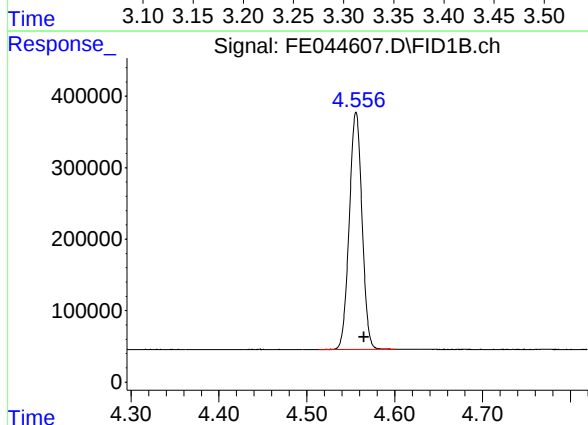
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: -0.009 min
Response: 3264258
Conc: 20.11 ug/ml

Instrument :
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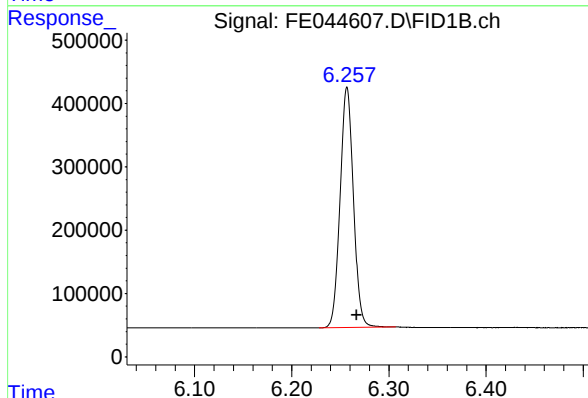
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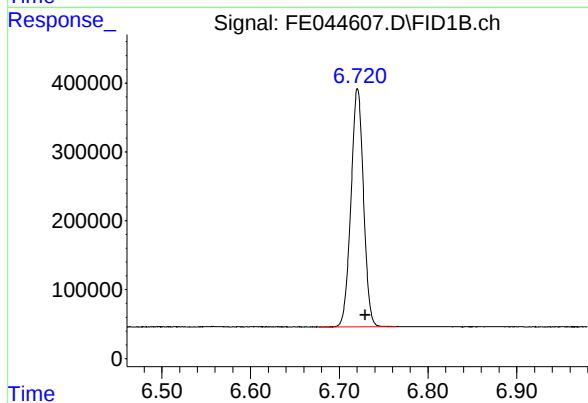
#2 n-Decane (C10)

R.T.: 4.556 min
Delta R.T.: -0.009 min
Response: 3348148
Conc: 20.22 ug/ml



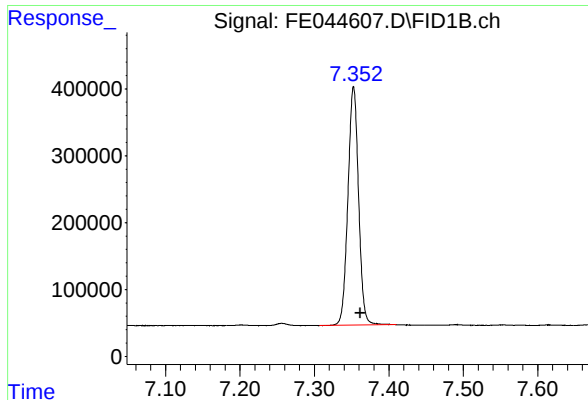
#3 A~Naphthalene (C11.7)

R.T.: 6.257 min
Delta R.T.: -0.010 min
Response: 3640494
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.721 min
Delta R.T.: -0.008 min
Response: 3397172
Conc: 20.42 ug/ml



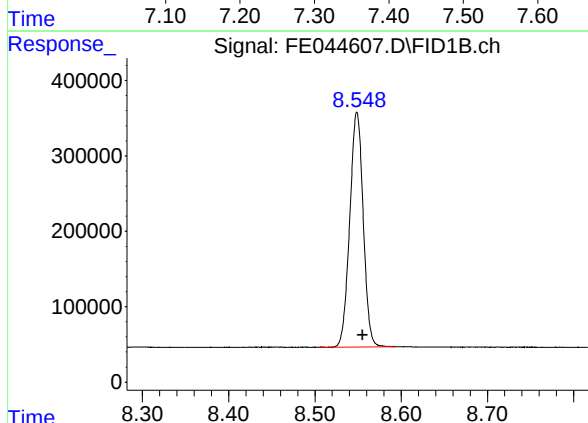
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.353 min
Delta R.T.: -0.009 min
Response: 3550935
Conc: 20.75 ug/ml

Instrument : FID_E
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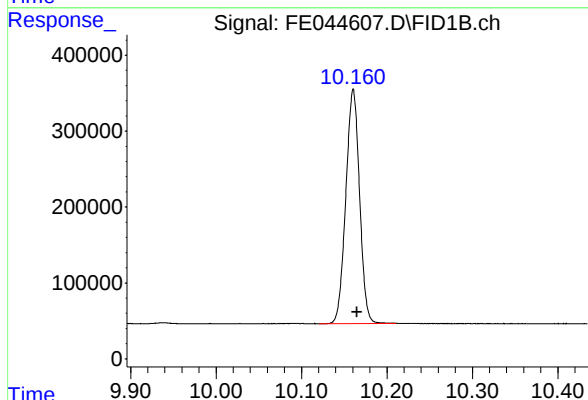
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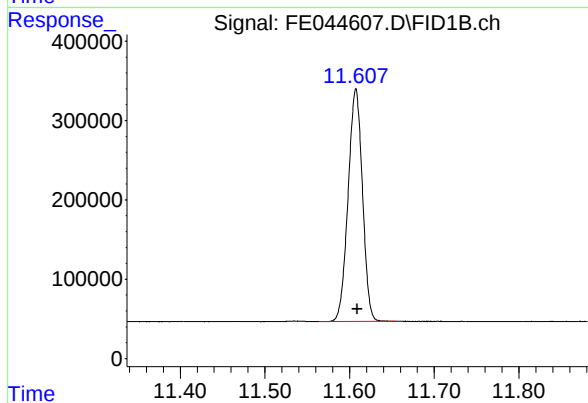
#6 n-Tetradecane (C14)

R.T.: 8.549 min
Delta R.T.: -0.006 min
Response: 3373402
Conc: 20.55 ug/ml



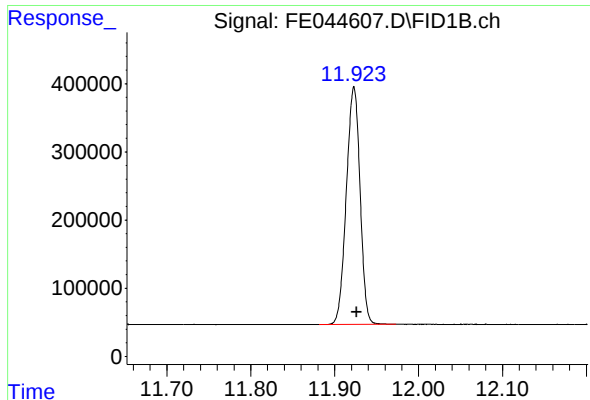
#7 n-Hexadecane (C16)

R.T.: 10.161 min
Delta R.T.: -0.004 min
Response: 3444361
Conc: 20.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.002 min
Response: 3447485
Conc: 20.30 ug/ml



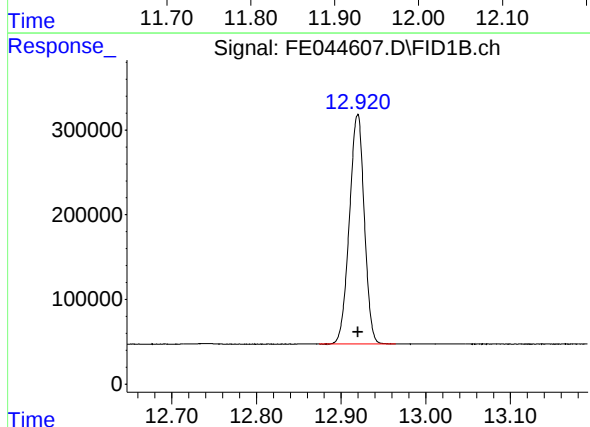
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 3965475
Conc: 21.12 ug/ml

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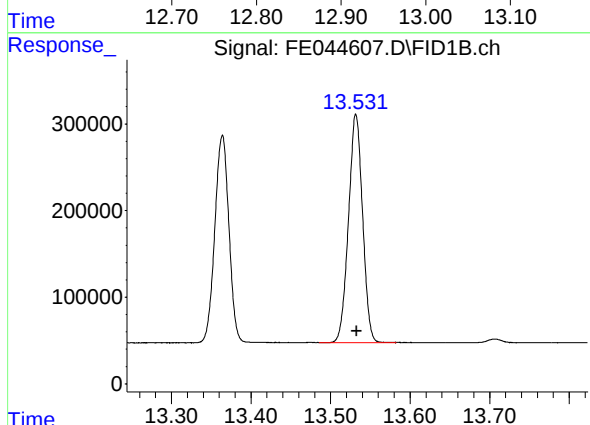
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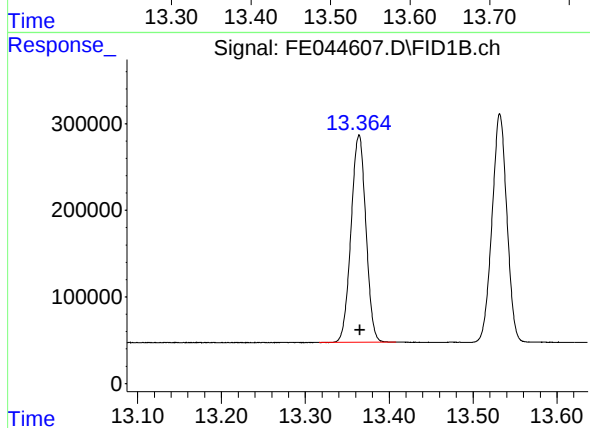
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: 0.000 min
Response: 3318811
Conc: 20.63 ug/ml



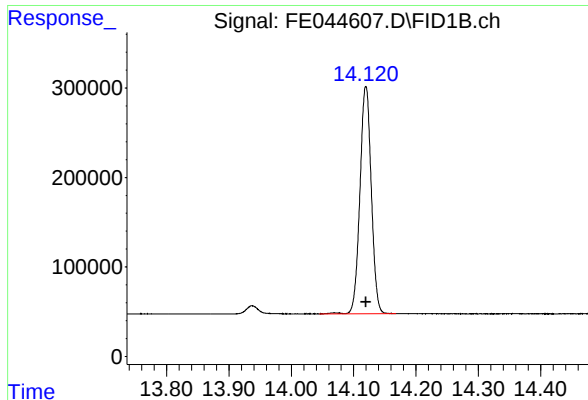
#11 n-Heneicosane (C21)

R.T.: 13.532 min
Delta R.T.: 0.000 min
Response: 3243428
Conc: 20.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: 0.000 min
Response: 2941450
Conc: 21.62 ug/ml



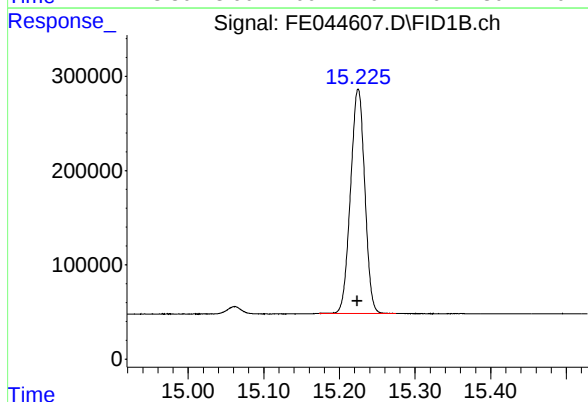
#13 n-Docosane (C22)

R.T.: 14.120 min
Delta R.T.: 0.000 min
Response: 3211789
Conc: 20.82 ug/ml

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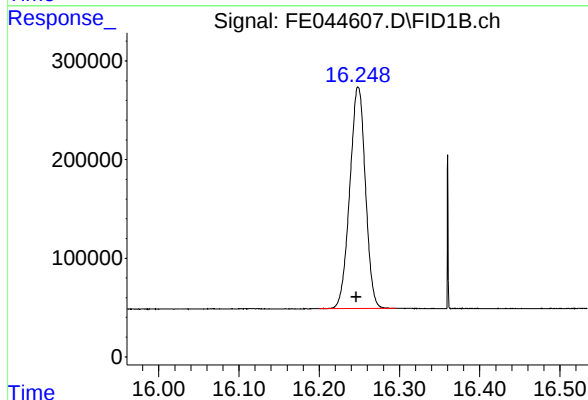
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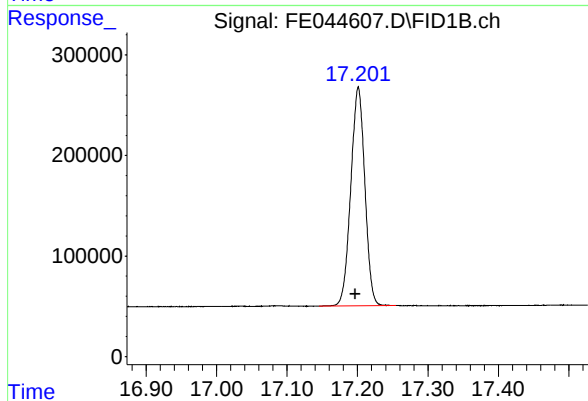
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: 0.001 min
Response: 3117044
Conc: 20.62 ug/ml



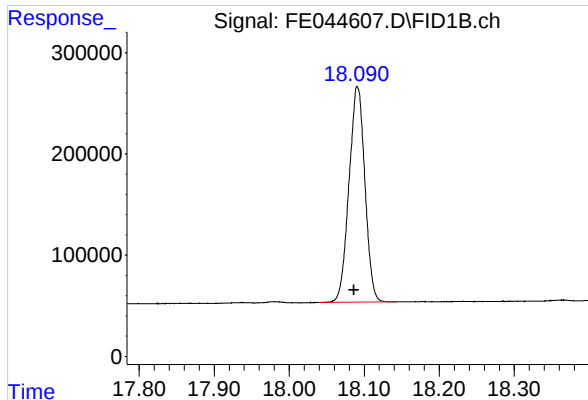
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: 0.002 min
Response: 3040280
Conc: 20.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: 0.004 min
Response: 3016829
Conc: 21.03 ug/ml



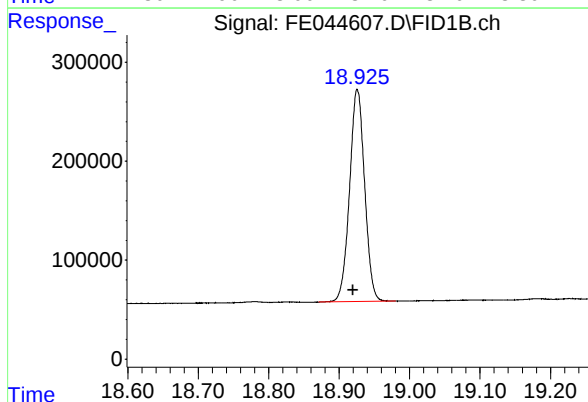
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: 0.005 min
Response: 3132689
Conc: 21.13 ug/ml

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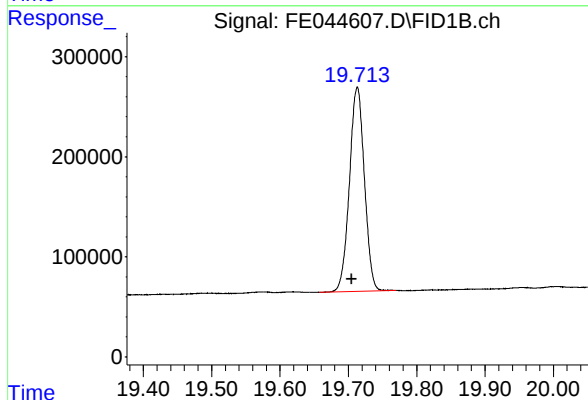
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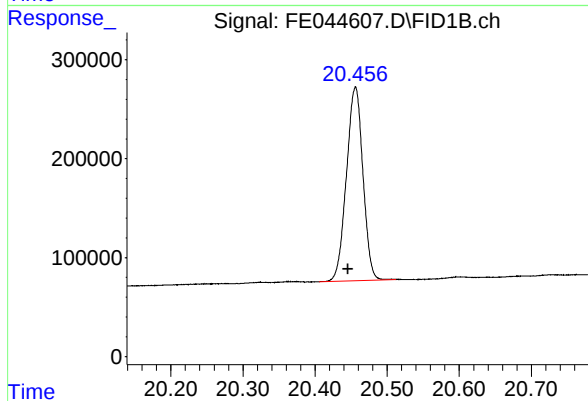
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: 0.006 min
Response: 3189148
Conc: 21.54 ug/ml



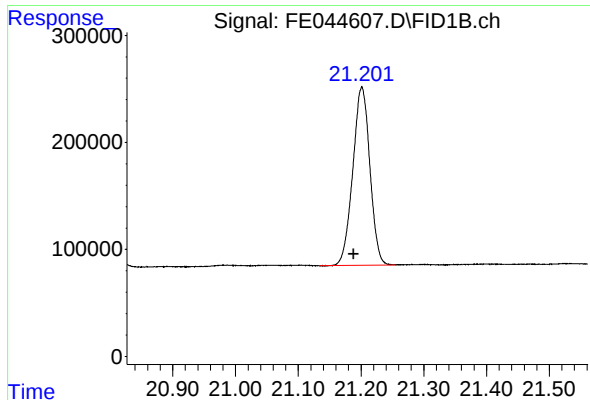
#19 n-Tetatriacontane (C34)

R.T.: 19.713 min
Delta R.T.: 0.008 min
Response: 3104521
Conc: 21.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.011 min
Response: 3112015
Conc: 21.45 ug/ml



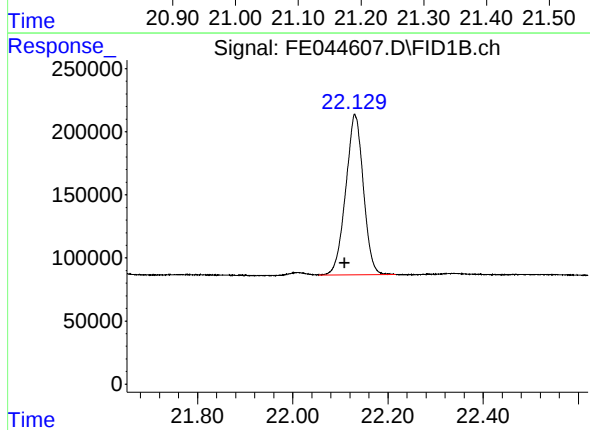
#21 n-Octatriacontane (C38)

R.T.: 21.201 min
Delta R.T.: 0.013 min
Response: 3145481
Conc: 21.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.129 min
Delta R.T.: 0.020 min
Response: 3273768
Conc: 20.74 ug/ml m