

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050123AL\
 Data File : FE041623.D
 Signal(s) : FID1B.ch
 Acq On : 01 May 2023 08:44
 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 05/01/2023
 Supervised By :Ankita Jodhani 05/02/2023

Integration File: autoint1.e
 Quant Time: May 01 12:08:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.988	4086623	21.783 ug/ml
Spiked Amount 50.000		Recovery =	43.57%
12) S 1-chlorooctadecane (S...	13.424	2977666	21.078 ug/ml
Spiked Amount 50.000		Recovery =	42.16%
Target Compounds			
1) T n-Nonane (C9)	3.358	3353457	22.813 ug/ml
2) T n-Decane (C10)	4.612	3473109	23.157 ug/ml
3) T A~Naphthalene (C11.7)	6.320	3810256	23.024 ug/ml
4) T n-Dodecane (C12)	6.781	3513778	23.110 ug/ml
5) T A~2-methylnaphthalene...	7.418	3708403	22.998 ug/ml
6) T n-Tetradecane (C14)	8.612	3501478	23.051 ug/ml
7) T n-Hexadecane (C16)	10.221	3625325	22.717 ug/ml
8) T n-Octadecane (C18)	11.668	3657164	22.312 ug/ml
10) T n-Eicosane (C20)	12.978	3484449	21.663 ug/ml
11) T n-Heneicosane (C21)	13.591	3415588	21.432 ug/ml
13) T n-Docosane (C22)	14.178	3372495	21.167 ug/ml
14) T n-Tetracosane (C24)	15.282	3329759	20.653 ug/ml
15) T n-Hexacosane (C26)	16.305	3206397	20.281 ug/ml
16) T n-Octacosane (C28)	17.257	3101859	20.159 ug/ml
17) T n-Tricontane (C30)	18.144	3135029	20.584 ug/ml
18) T n-Dotriacontane (C32)	18.978	3035222	20.374 ug/mlm
19) T n-Tetratriacontane (C34)	19.762	2971885	21.096 ug/ml
20) T n-Hexatriacontane (C36)	20.503	2878257	21.523 ug/ml
21) T n-Octatriacontane (C38)	21.261	2765773	20.931 ug/mlm
22) T n-Tetracontane (C40)	22.207	2912820	23.006 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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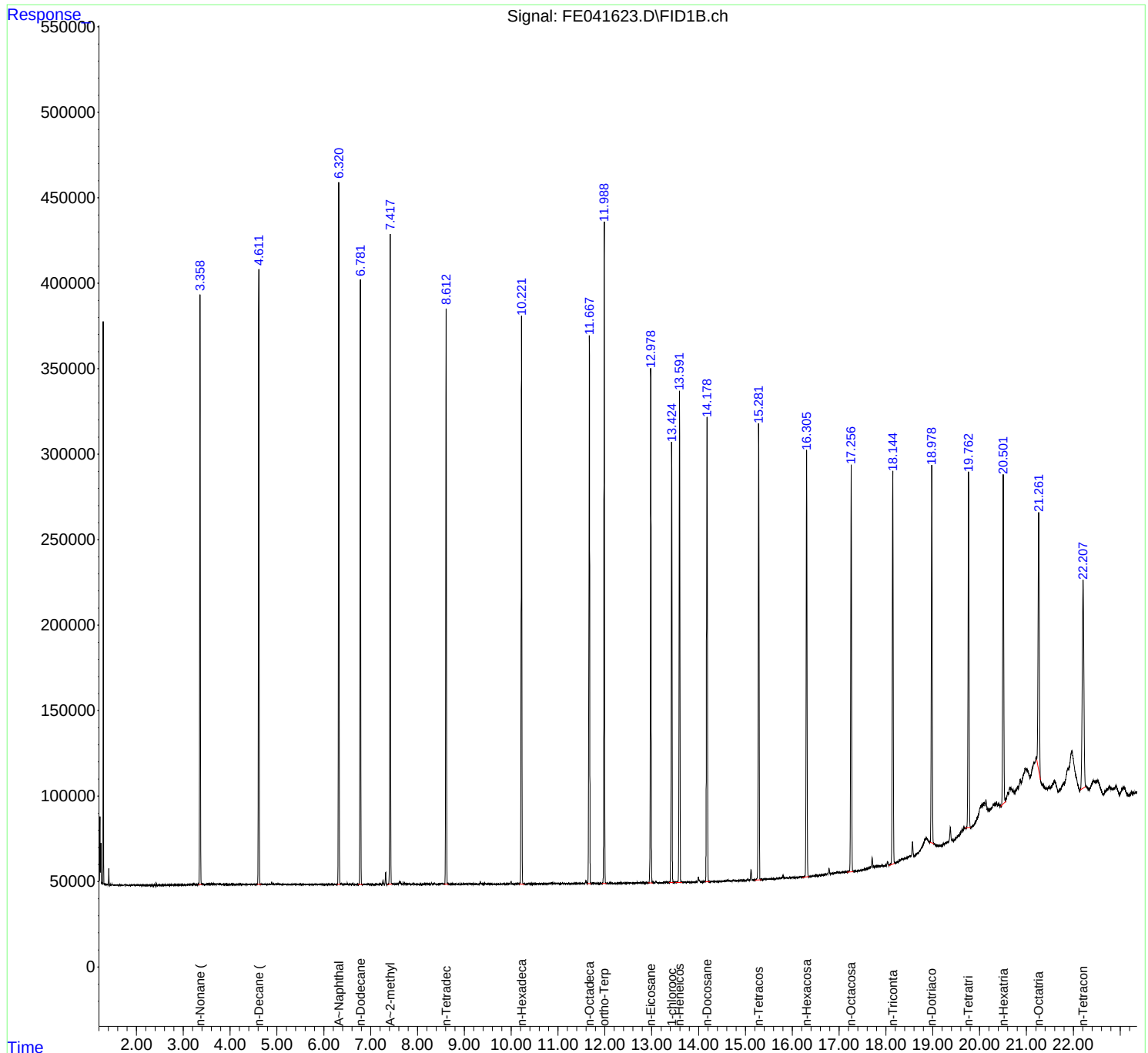
Instrument :
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20 PPM ALIPHATIC HC STD

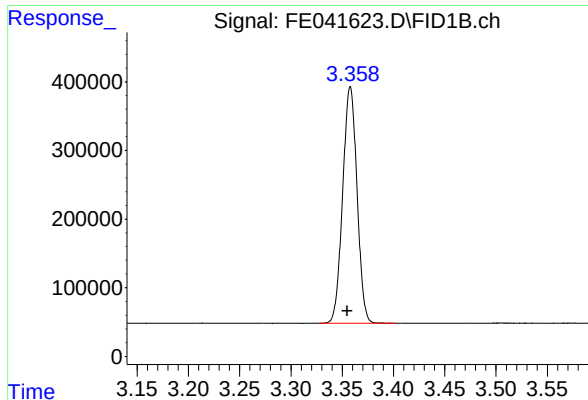
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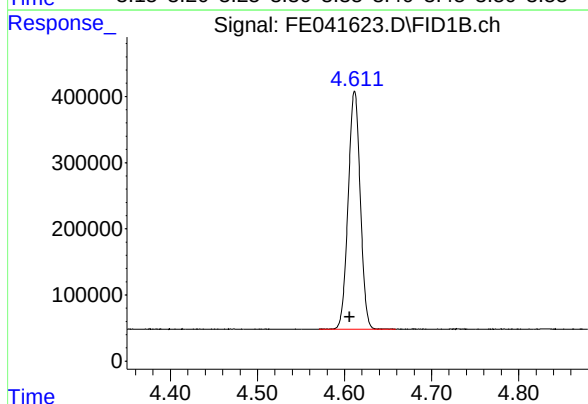
#1 n-Nonane (C9)

R.T.: 3.358 min
Delta R.T.: 0.003 min
Response: 3353457
Conc: 22.81 ug/ml

Instrument : FID_E
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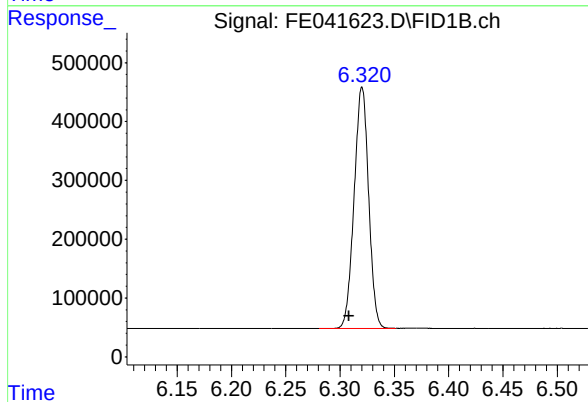
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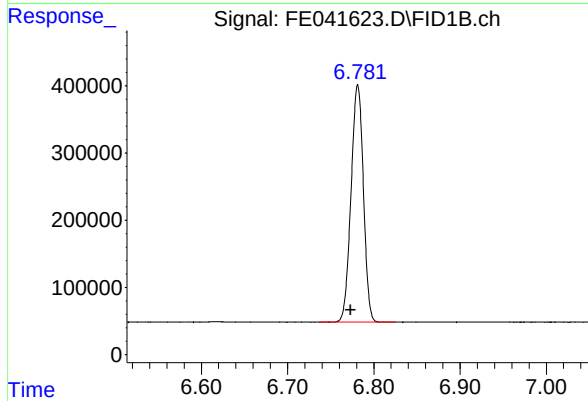
#2 n-Decane (C10)

R.T.: 4.612 min
Delta R.T.: 0.006 min
Response: 3473109
Conc: 23.16 ug/ml



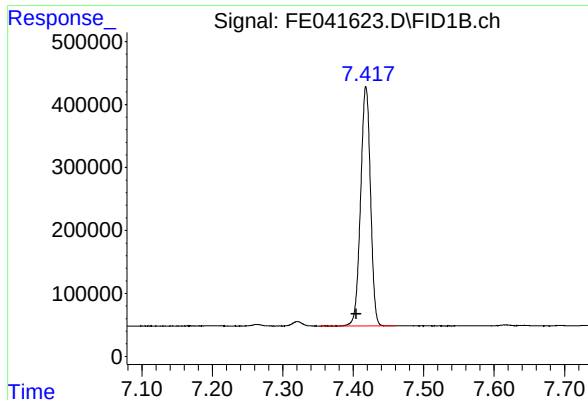
#3 A~Naphthalene (C11.7)

R.T.: 6.320 min
Delta R.T.: 0.012 min
Response: 3810256
Conc: 23.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.781 min
Delta R.T.: 0.008 min
Response: 3513778
Conc: 23.11 ug/ml



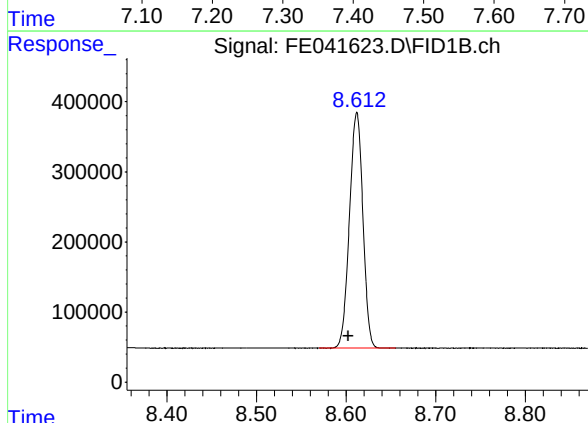
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.418 min
Delta R.T.: 0.014 min
Response: 3708403
Conc: 23.00 ug/ml

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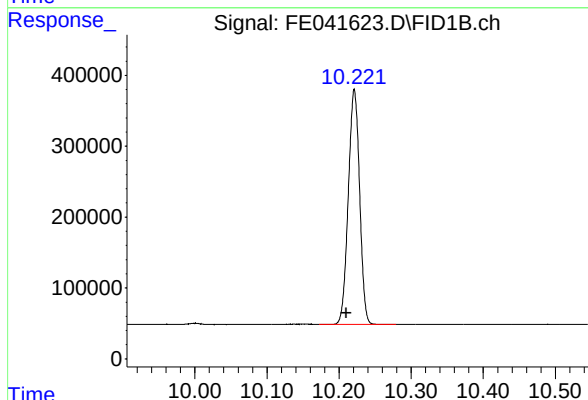
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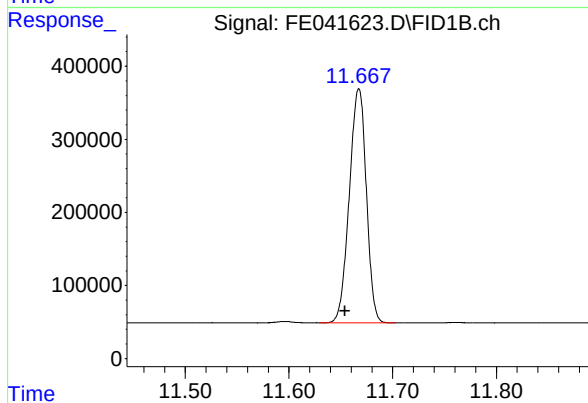
#6 n-Tetradecane (C14)

R.T.: 8.612 min
Delta R.T.: 0.010 min
Response: 3501478
Conc: 23.05 ug/ml



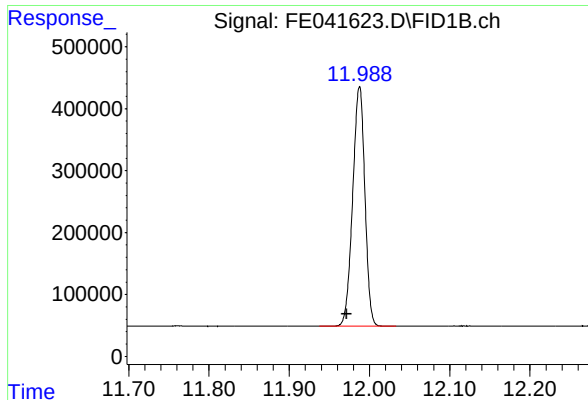
#7 n-Hexadecane (C16)

R.T.: 10.221 min
Delta R.T.: 0.011 min
Response: 3625325
Conc: 22.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.668 min
Delta R.T.: 0.014 min
Response: 3657164
Conc: 22.31 ug/ml



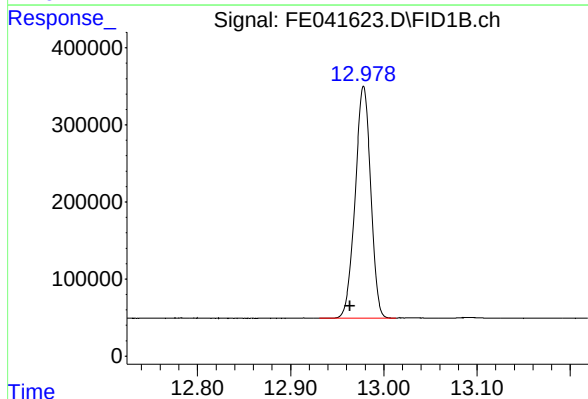
#9 ortho-Terphenyl (SURR)

R.T.: 11.988 min
Delta R.T.: 0.016 min
Response: 4086623
Conc: 21.78 ug/ml

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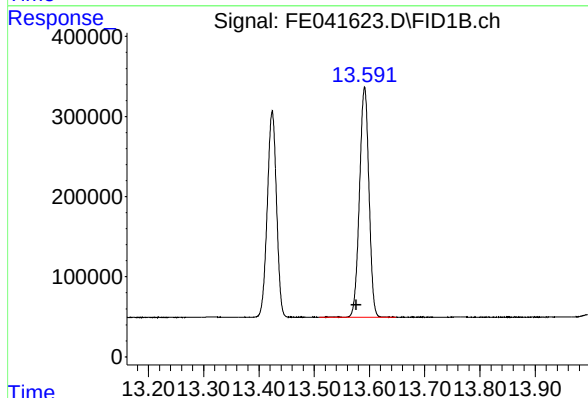
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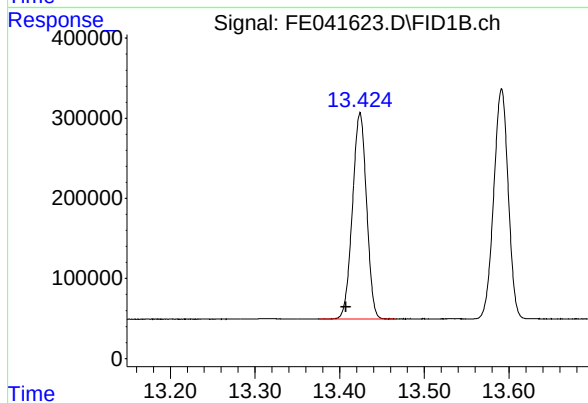
#10 n-Eicosane (C20)

R.T.: 12.978 min
Delta R.T.: 0.015 min
Response: 3484449
Conc: 21.66 ug/ml



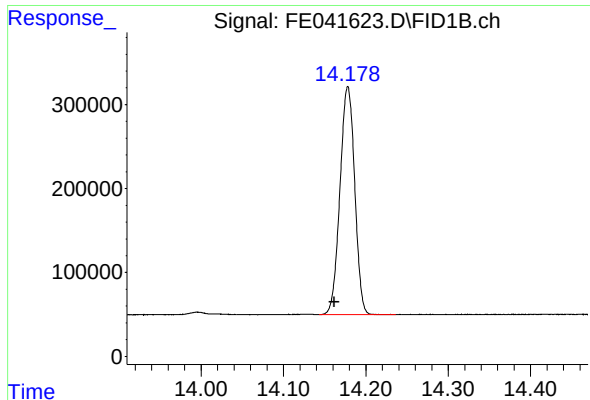
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: 0.016 min
Response: 3415588
Conc: 21.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.424 min
Delta R.T.: 0.017 min
Response: 2977666
Conc: 21.08 ug/ml



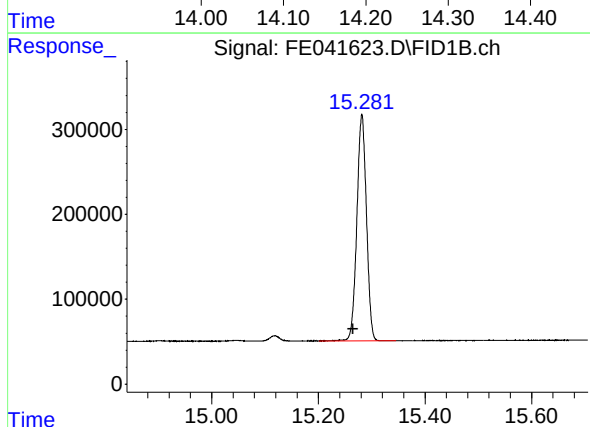
#13 n-Docosane (C22)

R.T.: 14.178 min
Delta R.T.: 0.016 min
Response: 3372495
Conc: 21.17 ug/ml

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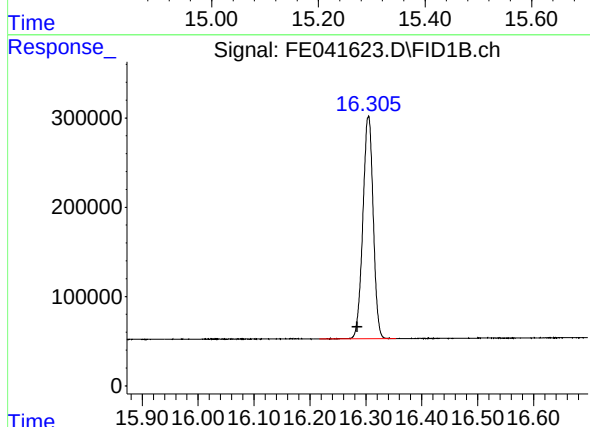
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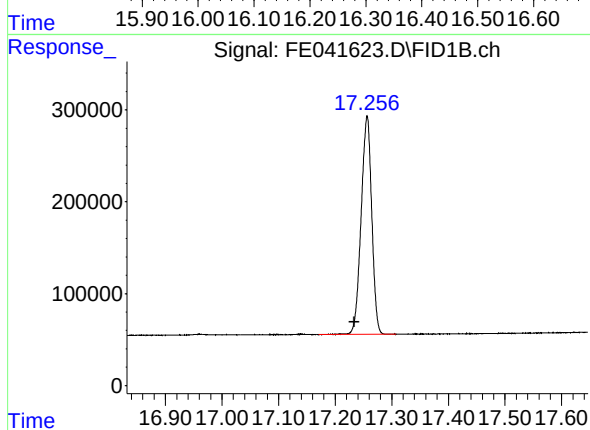
#14 n-Tetracosane (C24)

R.T.: 15.282 min
Delta R.T.: 0.017 min
Response: 3329759
Conc: 20.65 ug/ml



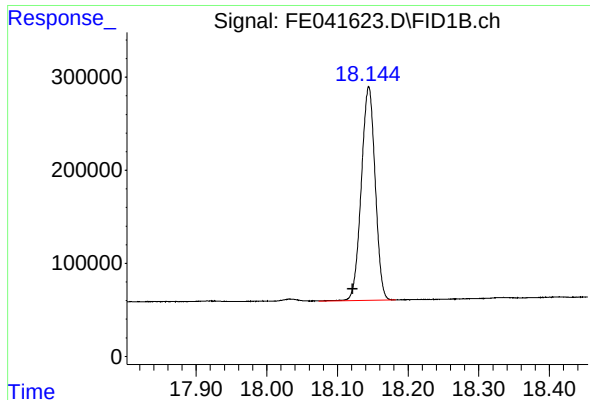
#15 n-Hexacosane (C26)

R.T.: 16.305 min
Delta R.T.: 0.020 min
Response: 3206397
Conc: 20.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.257 min
Delta R.T.: 0.023 min
Response: 3101859
Conc: 20.16 ug/ml



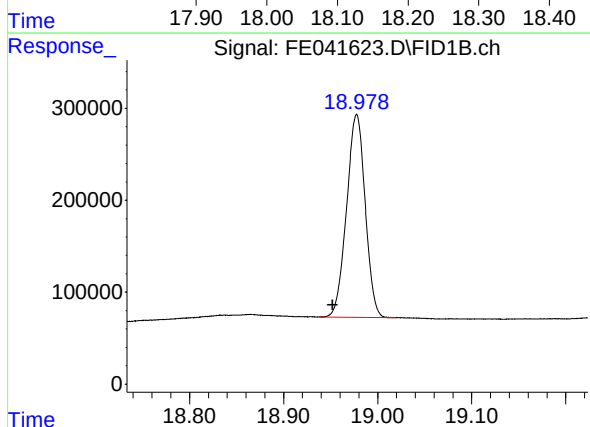
#17 n-Tricontane (C30)

R.T.: 18.144 min
Delta R.T.: 0.023 min
Response: 3135029
Conc: 20.58 ug/ml

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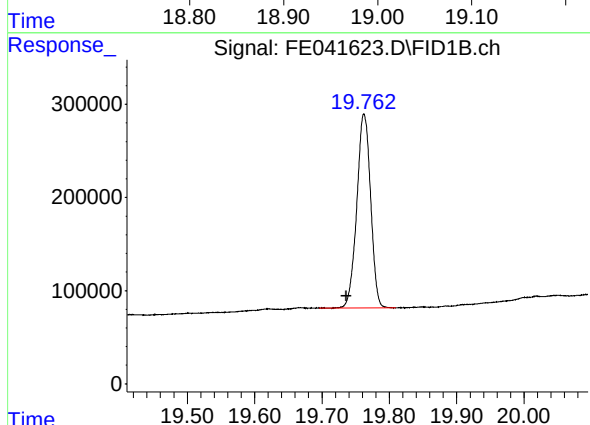
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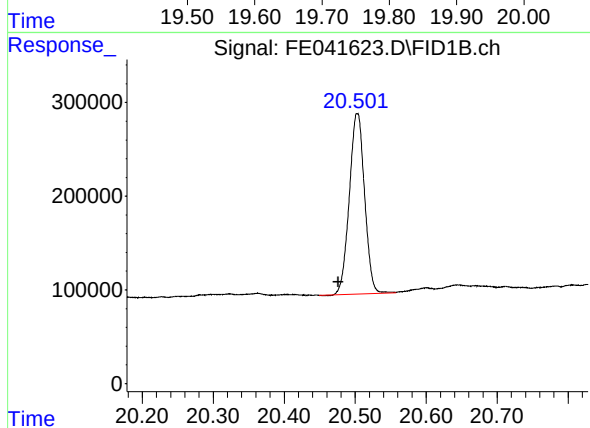
#18 n-Dotriacontane (C32)

R.T.: 18.978 min
Delta R.T.: 0.025 min
Response: 3035222
Conc: 20.37 ug/ml m



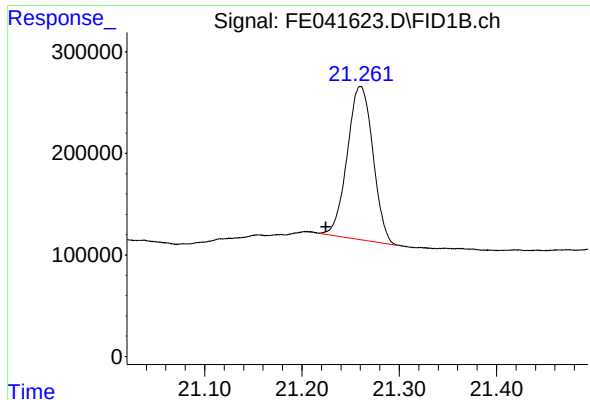
#19 n-Tetratriacontane (C34)

R.T.: 19.762 min
Delta R.T.: 0.026 min
Response: 2971885
Conc: 21.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.503 min
Delta R.T.: 0.027 min
Response: 2878257
Conc: 21.52 ug/ml



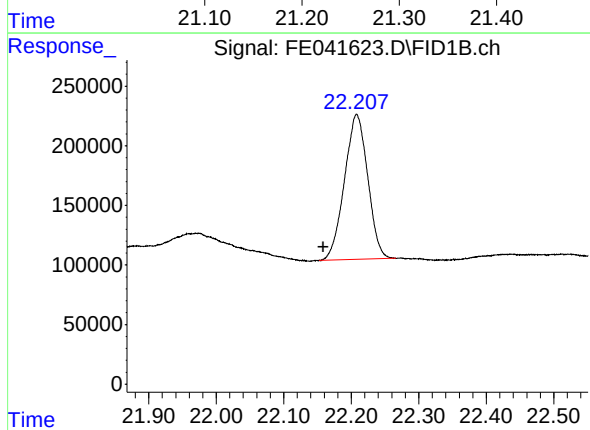
#21 n-Octatriacontane (C38)

R.T.: 21.261 min
Delta R.T.: 0.036 min
Response: 2765773
Conc: 20.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.207 min
Delta R.T.: 0.049 min
Response: 2912820
Conc: 23.01 ug/ml m