

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041823AL\
 Data File : FE041400.D
 Signal(s) : FID1B.ch
 Acq On : 18 Apr 2023 09:13
 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 04/19/2023
 Supervised By :Ankita Jodhani 04/19/2023

Integration File: autoint1.e
 Quant Time: Apr 18 23:02:58 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)	11.840	3869038	20.587 ug/ml
Spiked Amount 50.000		Recovery =	41.17%
12) S 1-chlorooctadecane (S...	13.281	2976754	20.689 ug/ml
Spiked Amount 50.000		Recovery =	41.38%
Target Compounds			
1) T n-Nonane (C9)	3.236	3438801	19.819 ug/ml
2) T n-Decane (C10)	4.483	3436224	20.187 ug/ml
3) T A~Naphthalene (C11.7)	6.187	3756318	20.537 ug/ml
4) T n-Dodecane (C12)	6.649	3519389	20.289 ug/ml
5) T A~2-methylnaphthalene...	7.282	3532203	21.328 ug/ml
6) T n-Tetradecane (C14)	8.475	3558558	20.409 ug/ml
7) T n-Hexadecane (C16)	10.083	3650118	20.523 ug/ml
8) T n-Octadecane (C18)	11.526	3681391	20.618 ug/ml
10) T n-Eicosane (C20)	12.837	3534008	20.718 ug/ml
11) T n-Heneicosane (C21)	13.449	3513588	20.768 ug/ml
13) T n-Docosane (C22)	14.036	3435720	20.761 ug/ml
14) T n-Tetracosane (C24)	15.140	3351449	20.715 ug/ml
15) T n-Hexacosane (C26)	16.163	3236515	20.879 ug/ml
16) T n-Octacosane (C28)	17.115	3209377	20.952 ug/ml
17) T n-Tricontane (C30)	18.004	3271916	21.405 ug/mlm
18) T n-Dotriacontane (C32)	18.841	3383426	21.671 ug/ml
19) T n-Tetratriacontane (C34)	19.626	3372566	21.763 ug/ml
20) T n-Hexatriacontane (C36)	20.368	3301153	21.733 ug/mlm
21) T n-Octatriacontane (C38)	21.096	3422423	21.908 ug/mlm
22) T n-Tetracontane (C40)	21.978	3455589	21.651 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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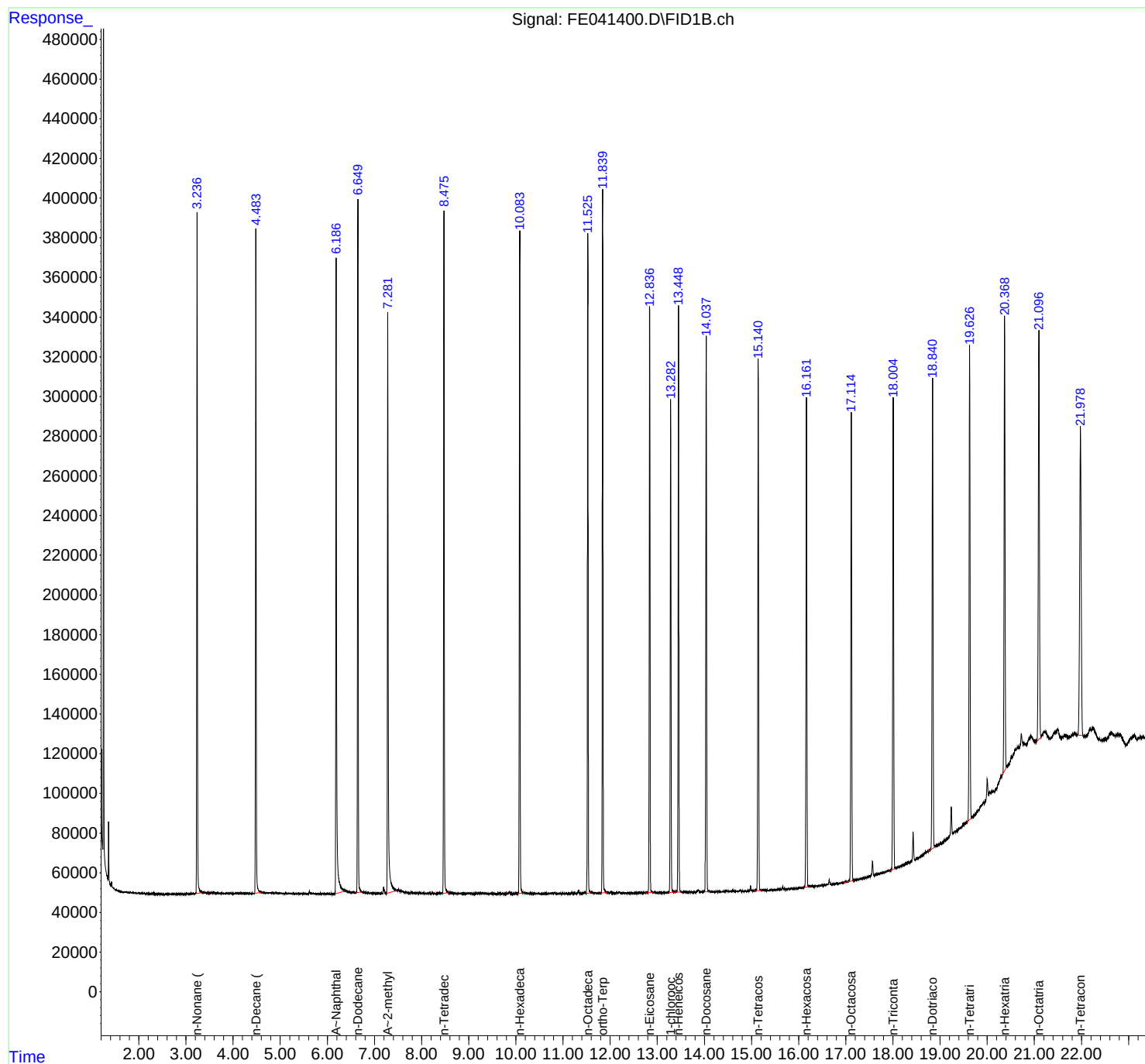
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20 PPM ALIPHATIC HC STD

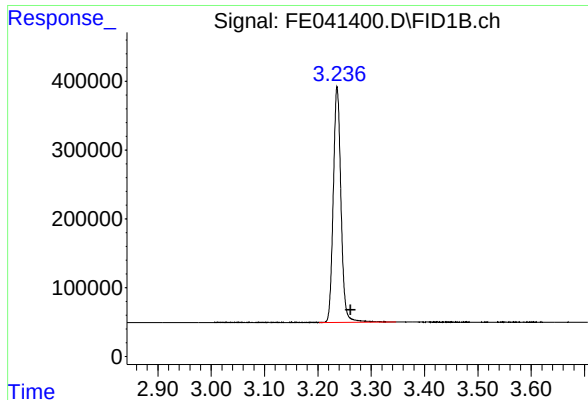
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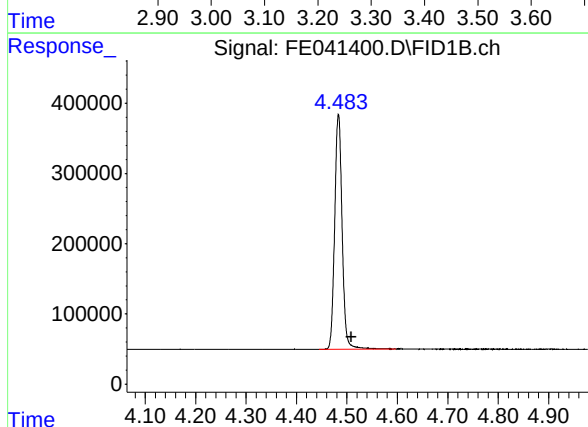
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3438801
Conc: 19.82 ug/ml

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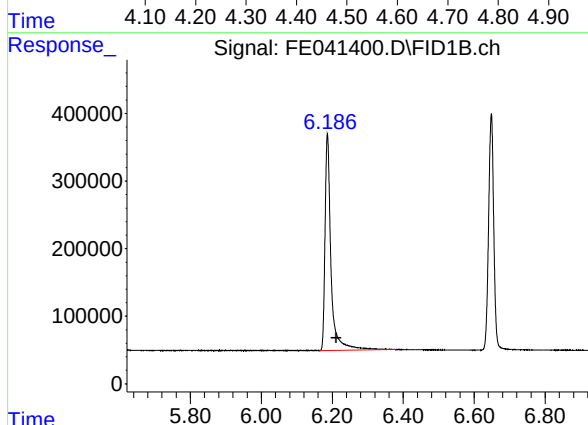
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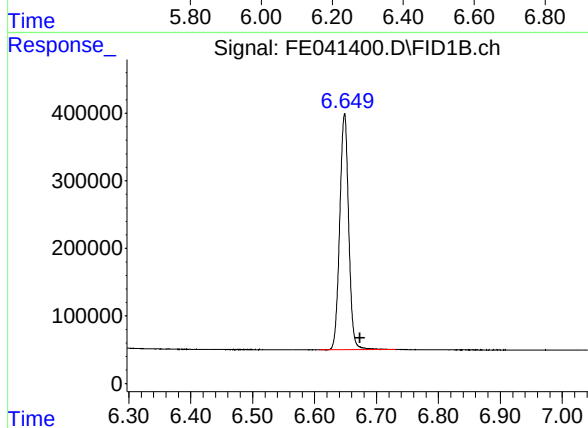
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.025 min
Response: 3436224
Conc: 20.19 ug/ml



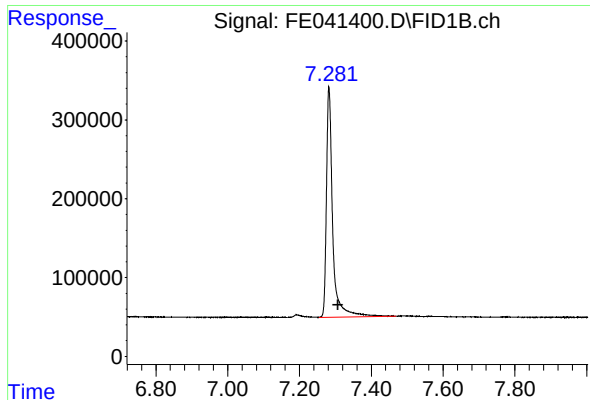
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.025 min
Response: 3756318
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.025 min
Response: 3519389
Conc: 20.29 ug/ml



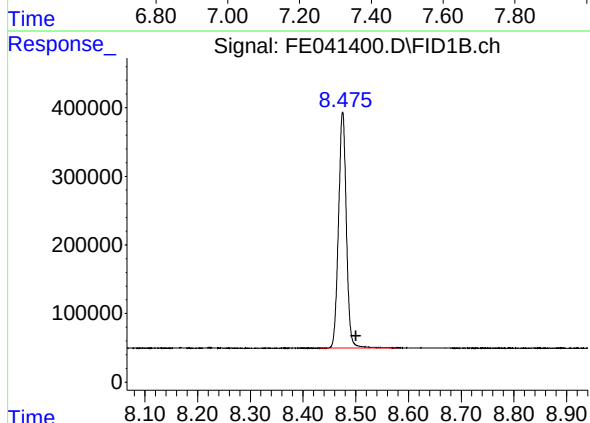
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.025 min
Response: 3532203
Conc: 21.33 ug/ml

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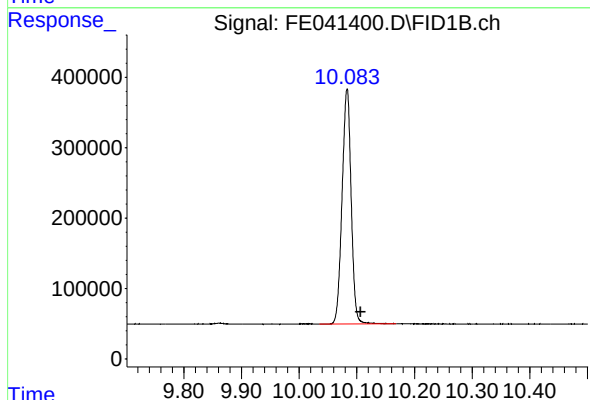
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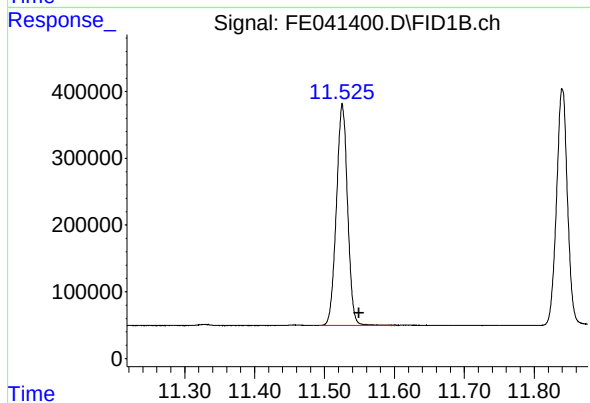
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.025 min
Response: 3558558
Conc: 20.41 ug/ml



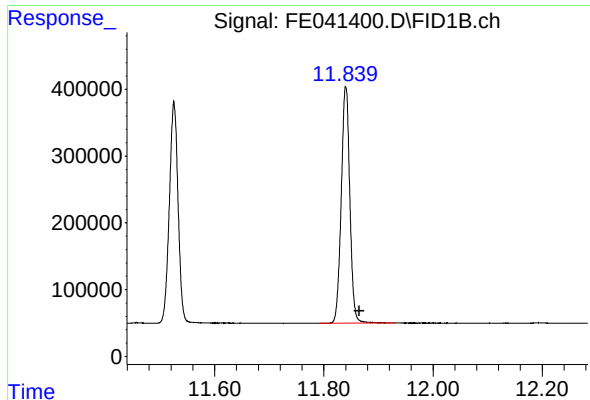
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.023 min
Response: 3650118
Conc: 20.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.024 min
Response: 3681391
Conc: 20.62 ug/ml



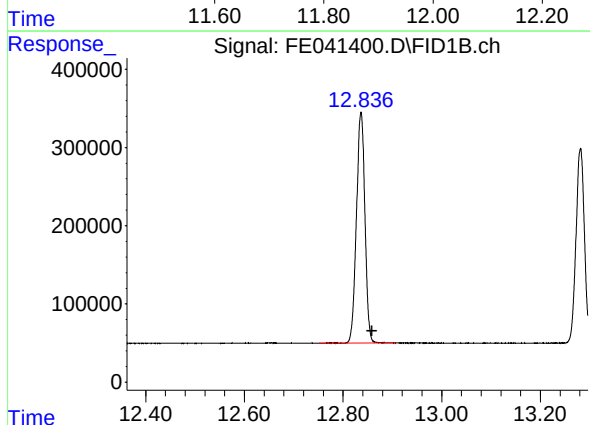
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.025 min
Response: 3869038
Conc: 20.59 ug/ml

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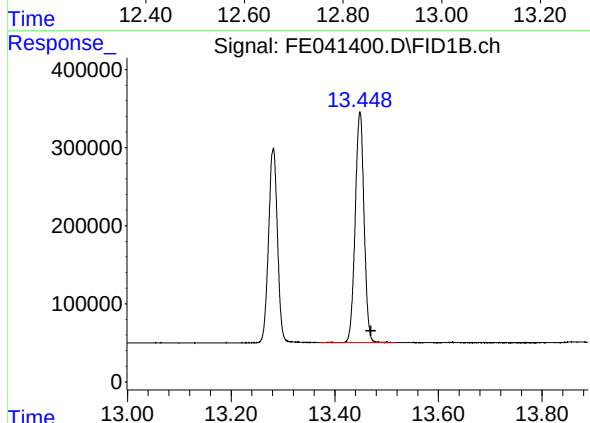
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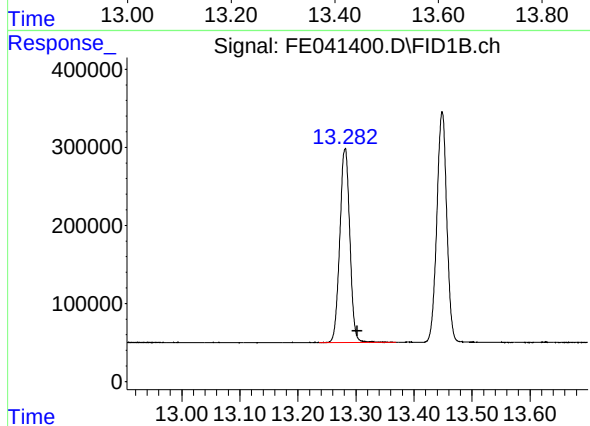
#10 n-Eicosane (C20)

R.T.: 12.837 min
Delta R.T.: -0.022 min
Response: 3534008
Conc: 20.72 ug/ml



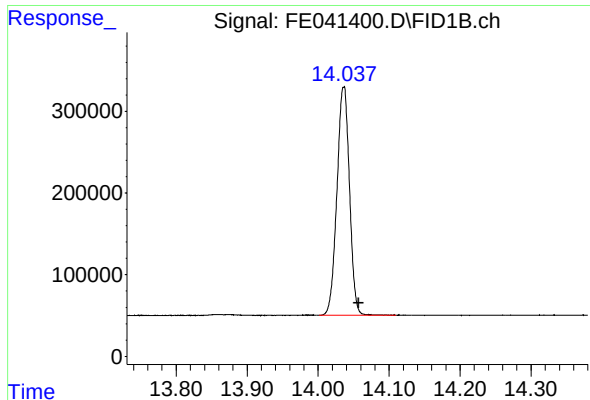
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.021 min
Response: 3513588
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.021 min
Response: 2976754
Conc: 20.69 ug/ml



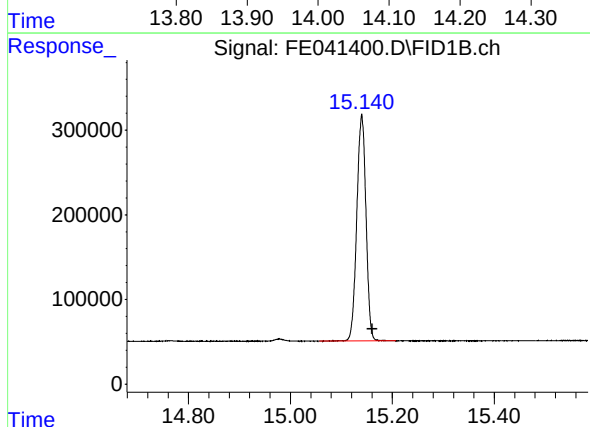
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.021 min
Response: 3435720
Conc: 20.76 ug/ml

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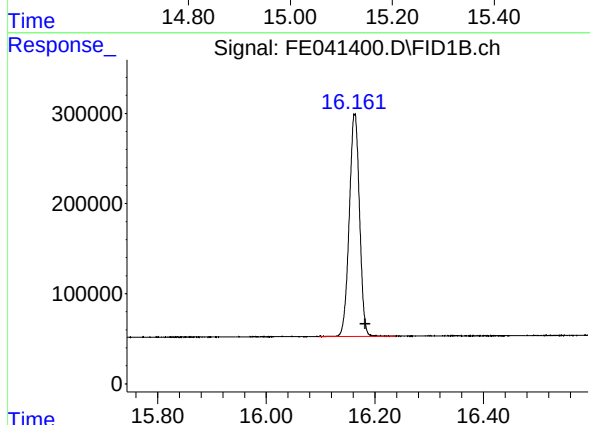
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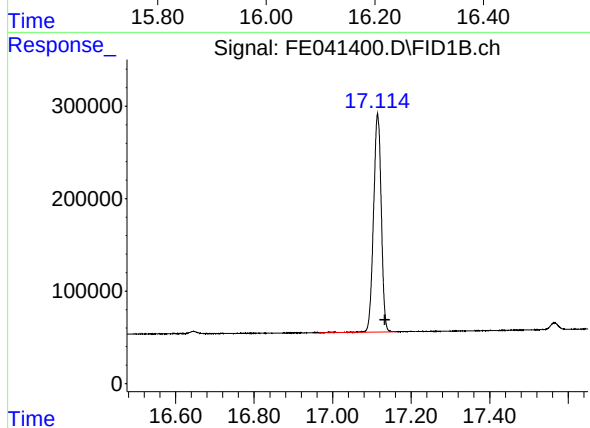
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.021 min
Response: 3351449
Conc: 20.72 ug/ml



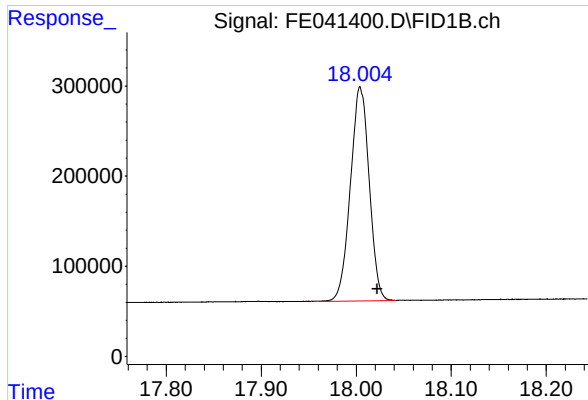
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.019 min
Response: 3236515
Conc: 20.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.115 min
Delta R.T.: -0.019 min
Response: 3209377
Conc: 20.95 ug/ml



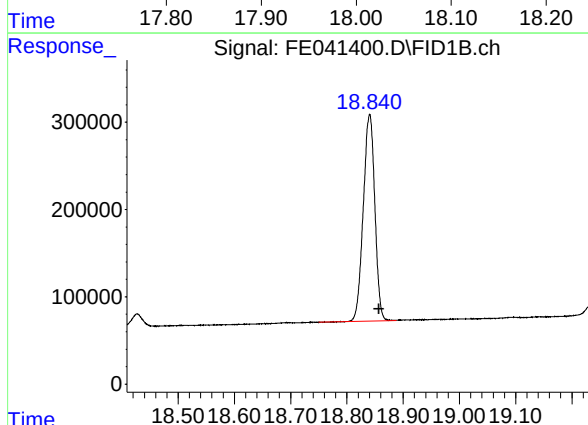
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.018 min
Response: 3271916
Conc: 21.41 ug/ml

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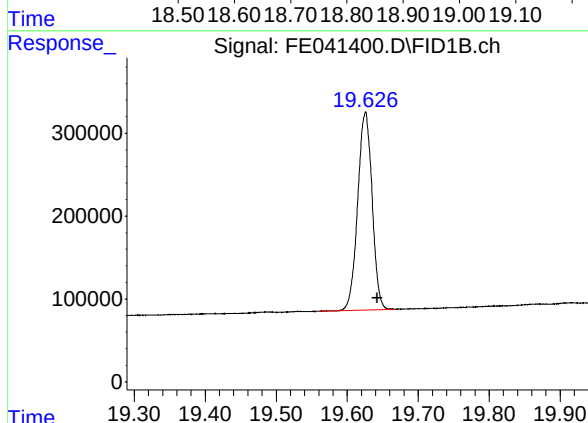
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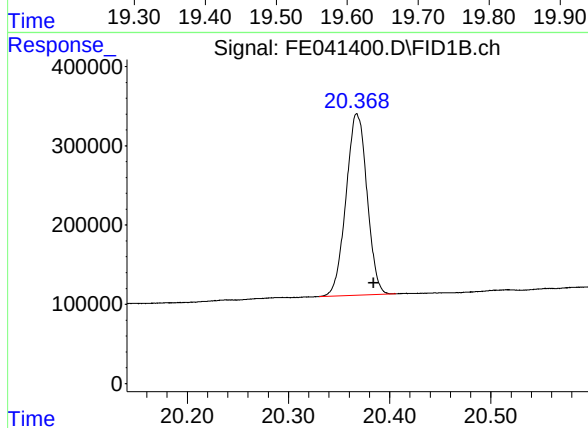
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.016 min
Response: 3383426
Conc: 21.67 ug/ml



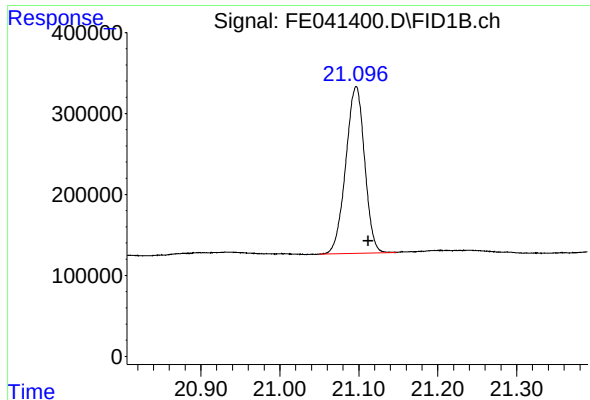
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.017 min
Response: 3372566
Conc: 21.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.017 min
Response: 3301153
Conc: 21.73 ug/ml m



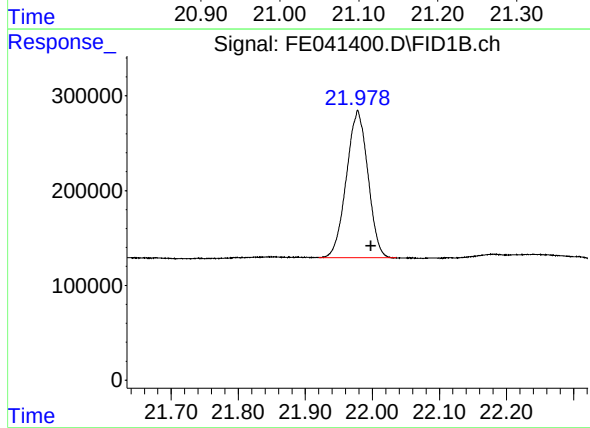
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.016 min
Response: 3422423
Conc: 21.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.020 min
Response: 3455589
Conc: 21.65 ug/ml m