

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033123AL\
 Data File : FE041098.D
 Signal(s) : FID1B.ch
 Acq On : 31 Mar 2023 11:04
 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 04/03/2023
 Supervised By :Ankita Jodhani 04/03/2023

Integration File: autoint1.e
 Quant Time: Apr 01 01:19:29 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)	11.850	3845329	20.460 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
12) S 1-chlorooctadecane (S...	13.289	2939387	20.429 ug/ml
Spiked Amount 50.000		Recovery =	40.86%
Target Compounds			
1) T n-Nonane (C9)	3.250	3546013	20.437 ug/ml
2) T n-Decane (C10)	4.496	3521998	20.691 ug/ml
3) T A~Naphthalene (C11.7)	6.198	3843929	21.015 ug/ml
4) T n-Dodecane (C12)	6.661	3579031	20.633 ug/ml
5) T A~2-methylnaphthalene...	7.293	3607516	21.783 ug/ml
6) T n-Tetradecane (C14)	8.487	3585747	20.565 ug/ml
7) T n-Hexadecane (C16)	10.093	3629396	20.407 ug/ml
8) T n-Octadecane (C18)	11.535	3655954	20.476 ug/ml
10) T n-Eicosane (C20)	12.845	3499145	20.514 ug/ml
11) T n-Heneicosane (C21)	13.457	3452795	20.408 ug/ml
13) T n-Docosane (C22)	14.043	3419412	20.663 ug/ml
14) T n-Tetracosane (C24)	15.147	3397055	20.997 ug/ml
15) T n-Hexacosane (C26)	16.169	3293339	21.245 ug/ml
16) T n-Octacosane (C28)	17.119	3284851	21.444 ug/ml
17) T n-Tricontane (C30)	18.009	3287850	21.510 ug/ml
18) T n-Dotriacontane (C32)	18.843	3305489	21.172 ug/ml
19) T n-Tetratriacontane (C34)	19.626	3217042	20.759 ug/mlm
20) T n-Hexatriacontane (C36)	20.368	3094430	20.372 ug/ml
21) T n-Octatriacontane (C38)	21.094	3149253	20.159 ug/mlm
22) T n-Tetracontane (C40)	21.978	3290474	20.616 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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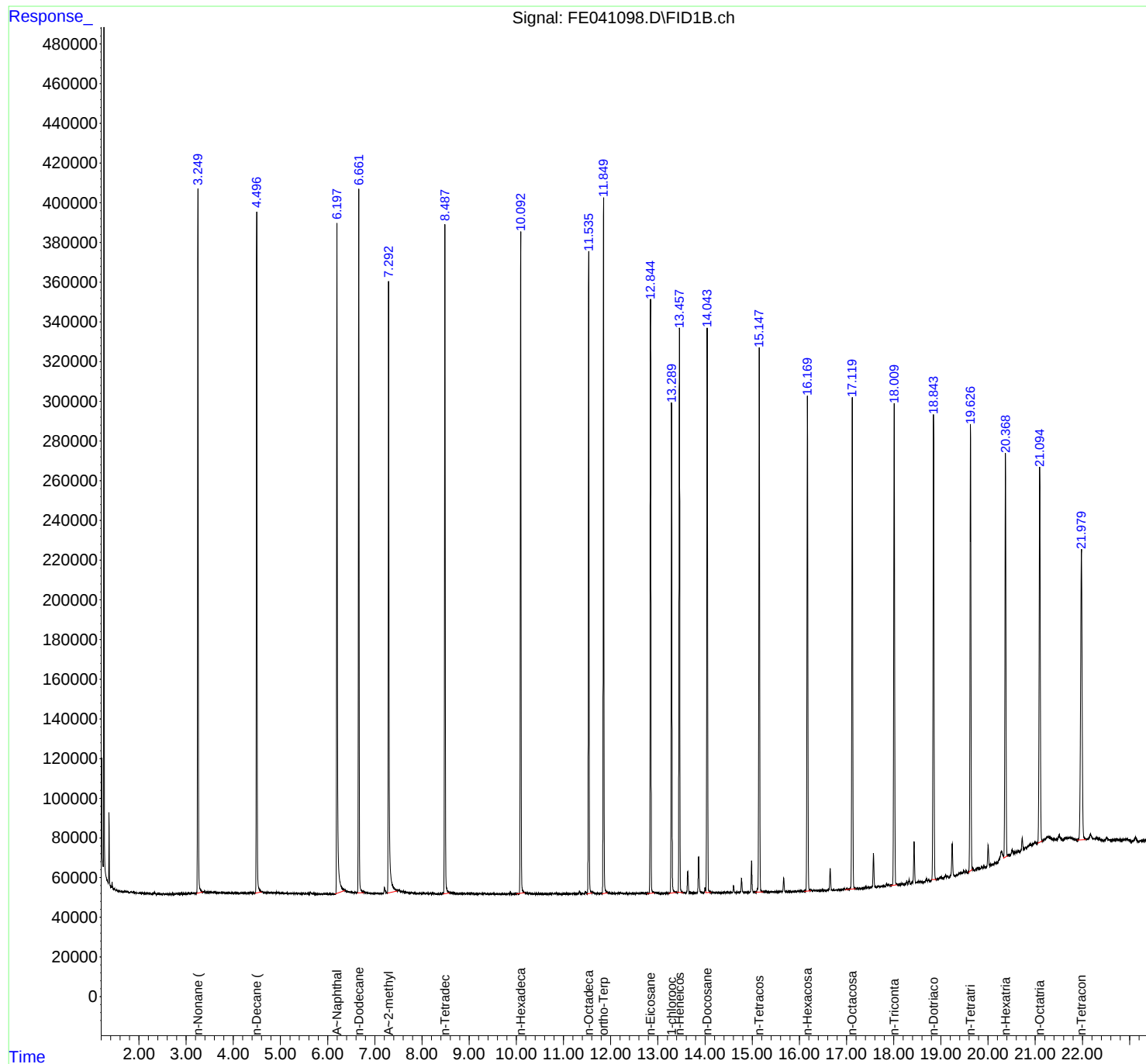
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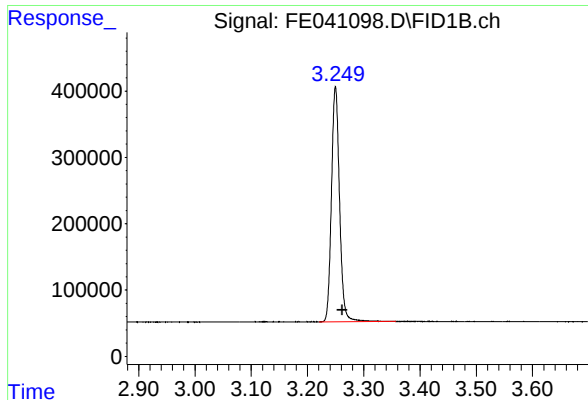
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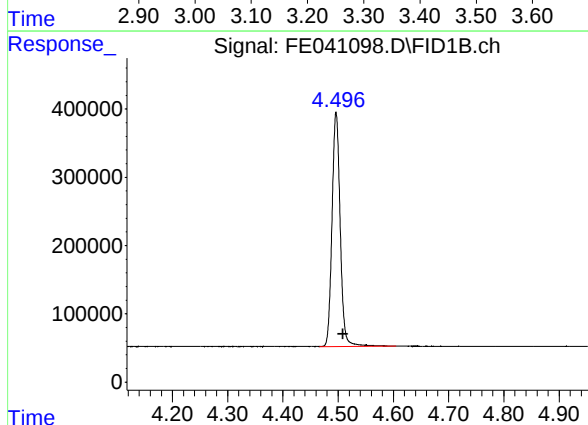
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.012 min
Response: 3546013
Conc: 20.44 ug/ml

Instrument :
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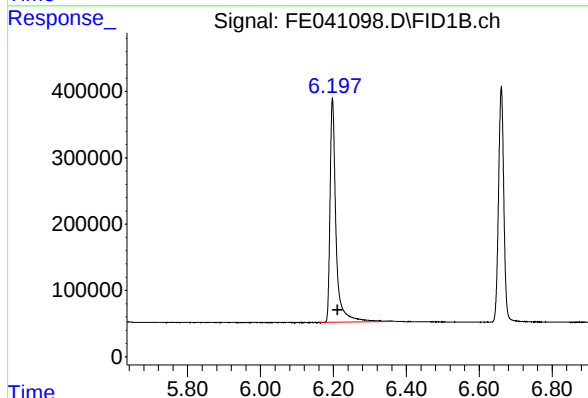
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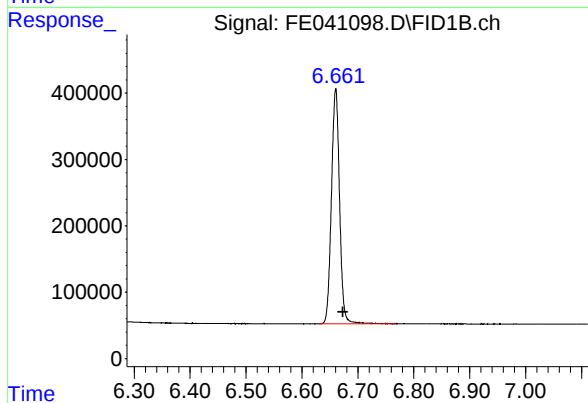
#2 n-Decane (C10)

R.T.: 4.496 min
Delta R.T.: -0.012 min
Response: 3521998
Conc: 20.69 ug/ml



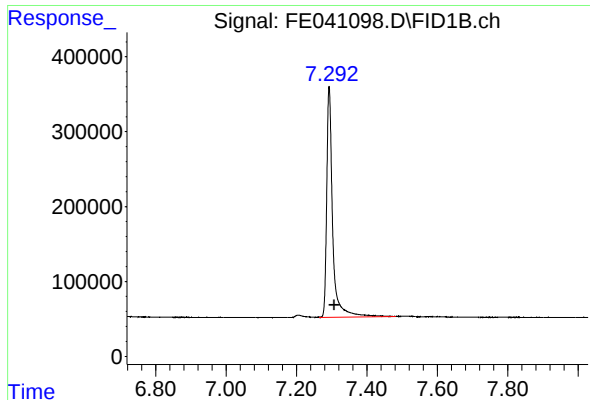
#3 A~Naphthalene (C11.7)

R.T.: 6.198 min
Delta R.T.: -0.014 min
Response: 3843929
Conc: 21.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.013 min
Response: 3579031
Conc: 20.63 ug/ml



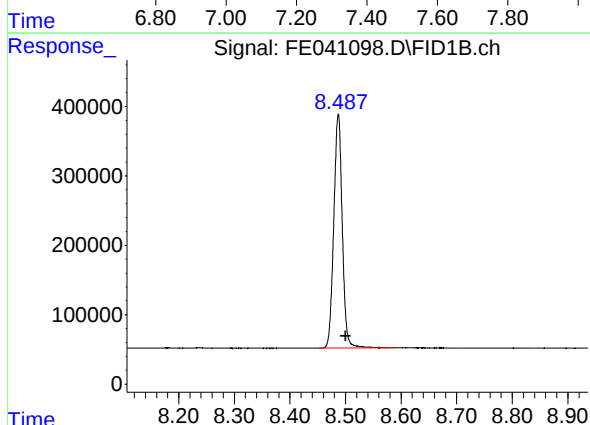
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.293 min
Delta R.T.: -0.015 min
Response: 3607516
Conc: 21.78 ug/ml

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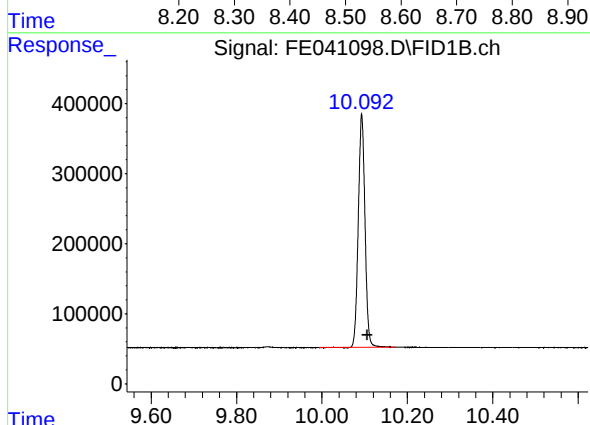
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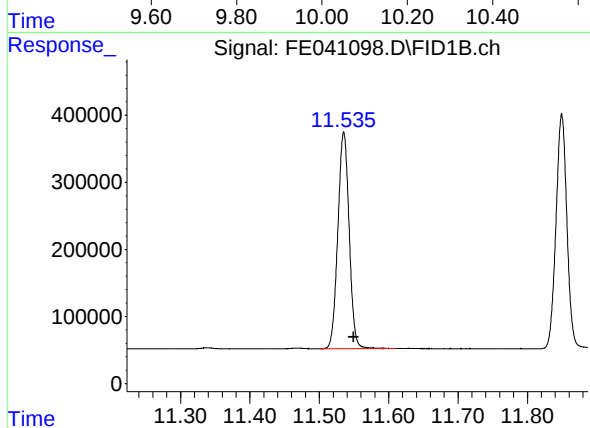
#6 n-Tetradecane (C14)

R.T.: 8.487 min
Delta R.T.: -0.013 min
Response: 3585747
Conc: 20.56 ug/ml



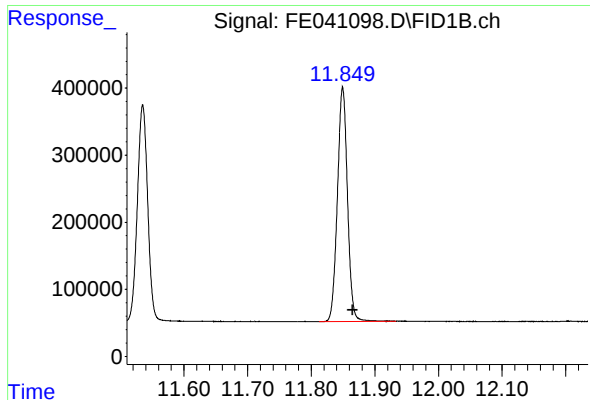
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.013 min
Response: 3629396
Conc: 20.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: -0.014 min
Response: 3655954
Conc: 20.48 ug/ml



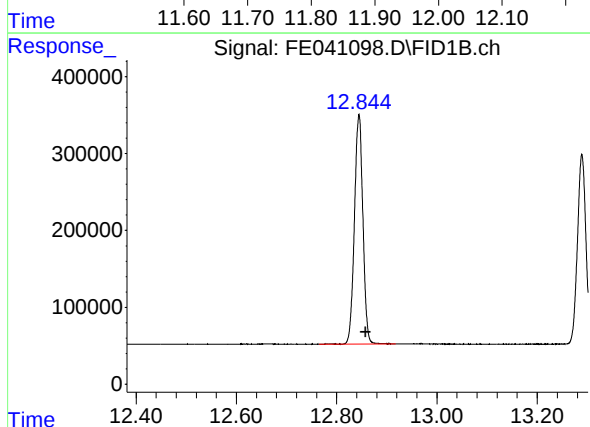
#9 ortho-Terphenyl (SURR)

R.T.: 11.850 min
Delta R.T.: -0.016 min
Response: 3845329
Conc: 20.46 ug/ml

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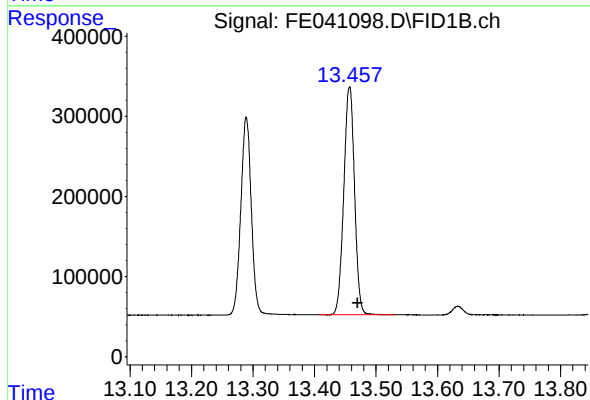
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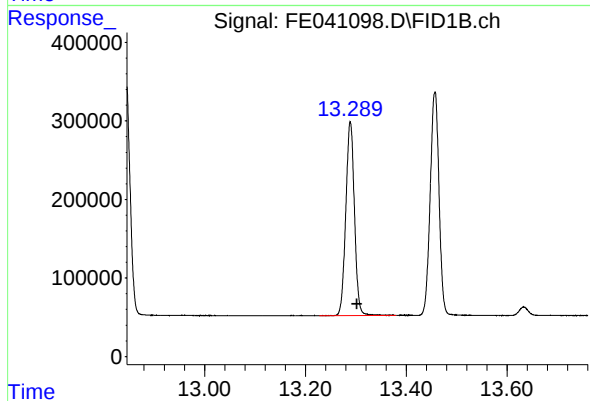
#10 n-Eicosane (C20)

R.T.: 12.845 min
Delta R.T.: -0.014 min
Response: 3499145
Conc: 20.51 ug/ml



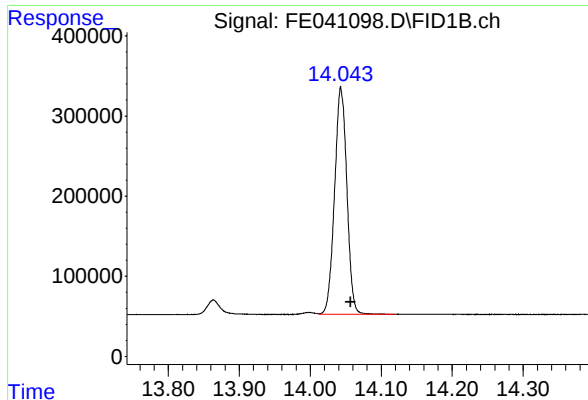
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.013 min
Response: 3452795
Conc: 20.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.013 min
Response: 2939387
Conc: 20.43 ug/ml



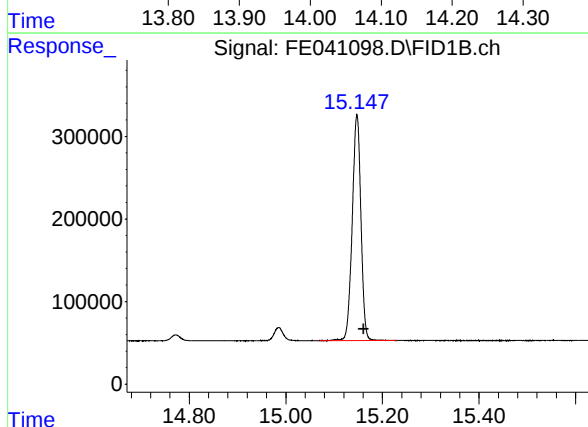
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.014 min
Response: 3419412
Conc: 20.66 ug/ml

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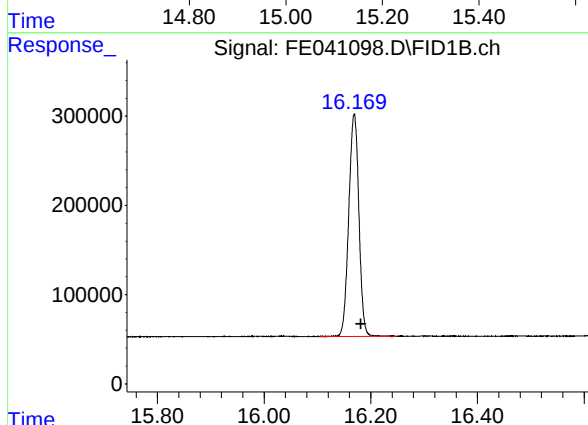
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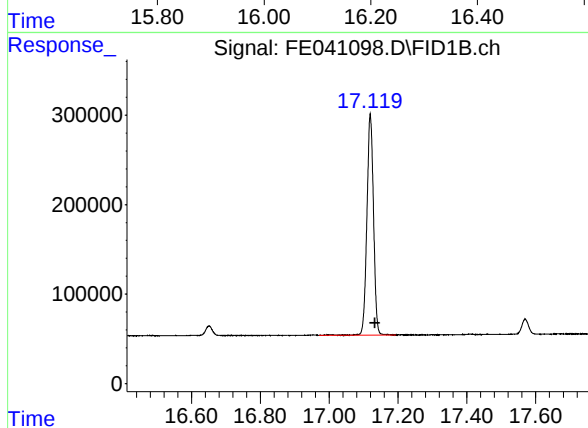
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.013 min
Response: 3397055
Conc: 21.00 ug/ml



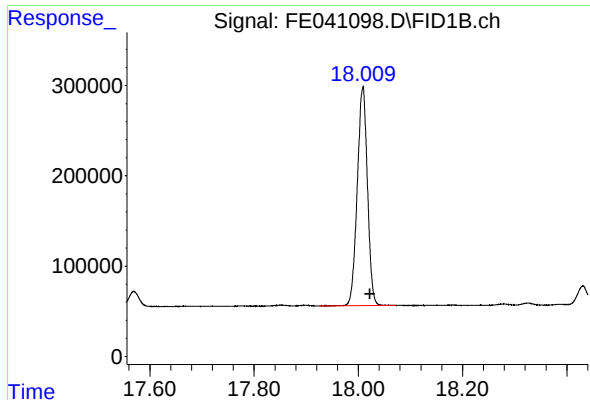
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.013 min
Response: 3293339
Conc: 21.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 3284851
Conc: 21.44 ug/ml



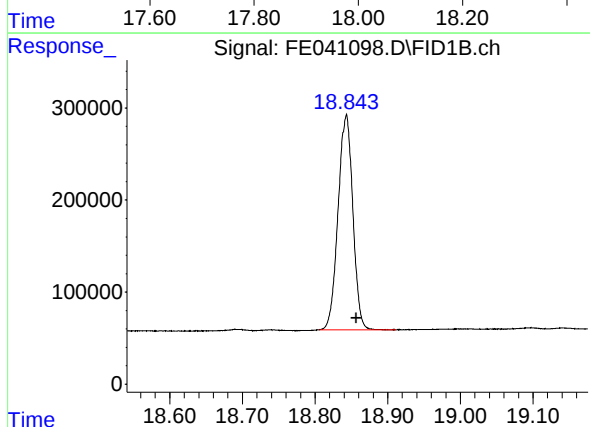
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.014 min
Response: 3287850
Conc: 21.51 ug/ml

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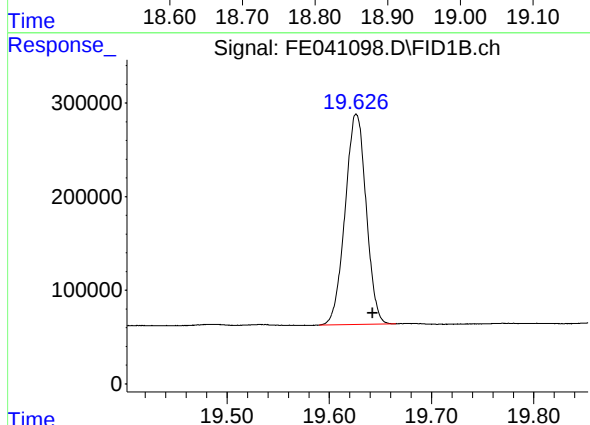
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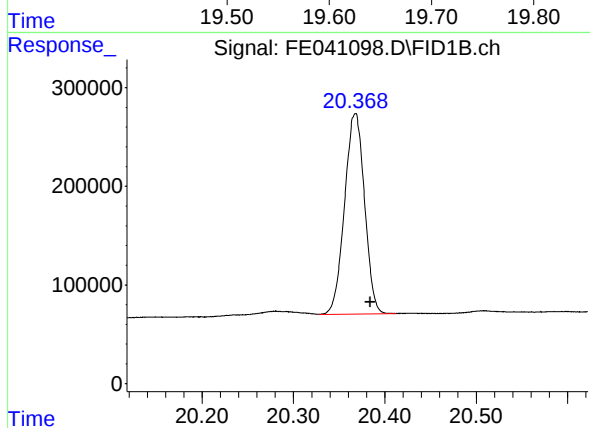
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.014 min
Response: 3305489
Conc: 21.17 ug/ml



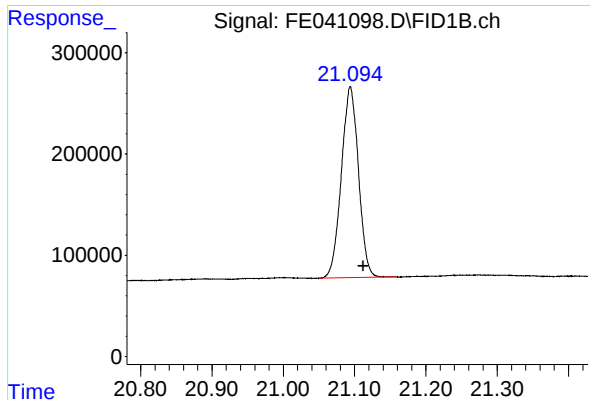
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.017 min
Response: 3217042
Conc: 20.76 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.016 min
Response: 3094430
Conc: 20.37 ug/ml



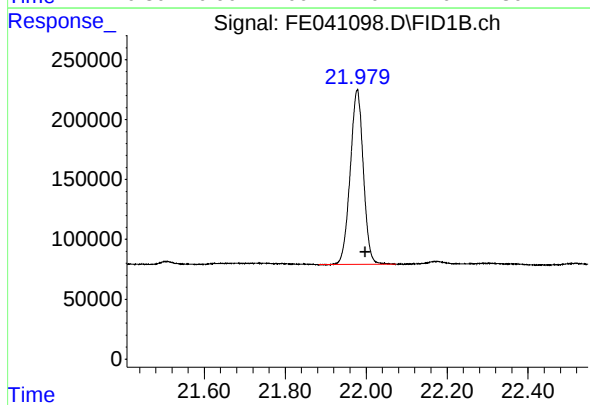
#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: -0.018 min
Response: 3149253
Conc: 20.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.020 min
Response: 3290474
Conc: 20.62 ug/ml