

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051123AL\
 Data File : FE041872.D
 Signal(s) : FID1B.ch
 Acq On : 11 May 2023 23:05
 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 05/12/2023
 Supervised By :Ankita Jodhani 05/12/2023

Integration File: autoint1.e
 Quant Time: May 12 01:14:30 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)	11.966	3603408	19.207 ug/ml
Spiked Amount 50.000		Recovery =	38.41%
12) S 1-chlorooctadecane (S...	13.402	2672484	18.918 ug/ml
Spiked Amount 50.000		Recovery =	37.84%
Target Compounds			
1) T n-Nonane (C9)	3.347	2755955	18.749 ug/ml
2) T n-Decane (C10)	4.600	2895133	19.304 ug/ml
3) T A~Naphthalene (C11.7)	6.305	3187771	19.263 ug/ml
4) T n-Dodecane (C12)	6.768	2934332	19.299 ug/ml
5) T A~2-methylnaphthalene...	7.401	3122104	19.362 ug/ml
6) T n-Tetradecane (C14)	8.596	2958459	19.476 ug/ml
7) T n-Hexadecane (C16)	10.204	3108301	19.478 ug/ml
8) T n-Octadecane (C18)	11.648	3192189	19.475 ug/ml
10) T n-Eicosane (C20)	12.956	3093453	19.232 ug/ml
11) T n-Heneicosane (C21)	13.570	3036814	19.055 ug/ml
13) T n-Docosane (C22)	14.156	3032332	19.032 ug/ml
14) T n-Tetracosane (C24)	15.258	3032449	18.809 ug/ml
15) T n-Hexacosane (C26)	16.280	2963822	18.747 ug/ml
16) T n-Octacosane (C28)	17.230	2929471	19.038 ug/ml
17) T n-Tricontane (C30)	18.117	3100370	20.357 ug/ml
18) T n-Dotriacontane (C32)	18.949	3096522	20.785 ug/ml
19) T n-Tetratriacontane (C34)	19.732	2876648	20.420 ug/ml
20) T n-Hexatriacontane (C36)	20.472	2724675	20.375 ug/mlm
21) T n-Octatriacontane (C38)	21.221	2626165	19.875 ug/mlm
22) T n-Tetracontane (C40)	22.157	2524545	19.939 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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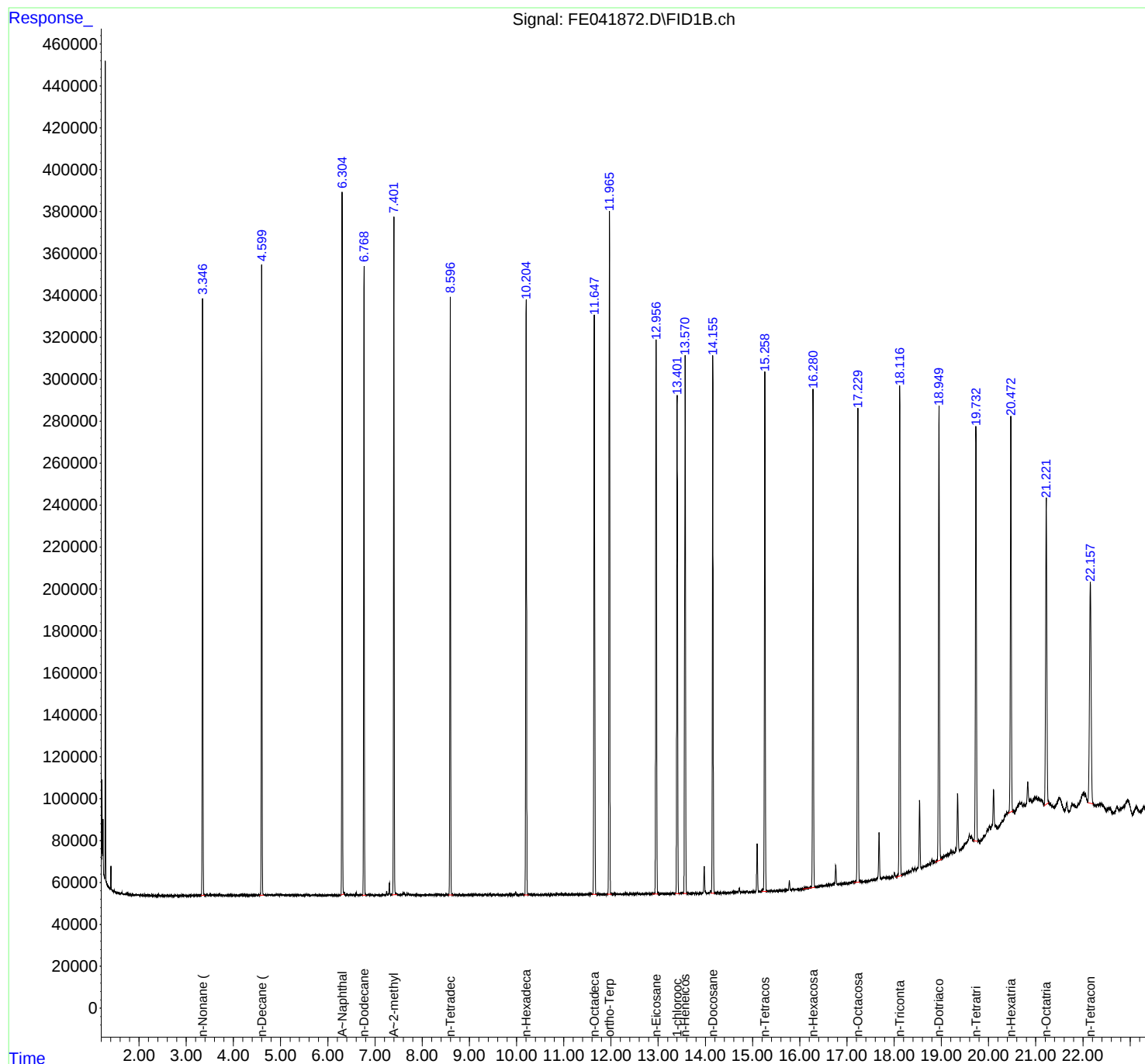
Instrument :
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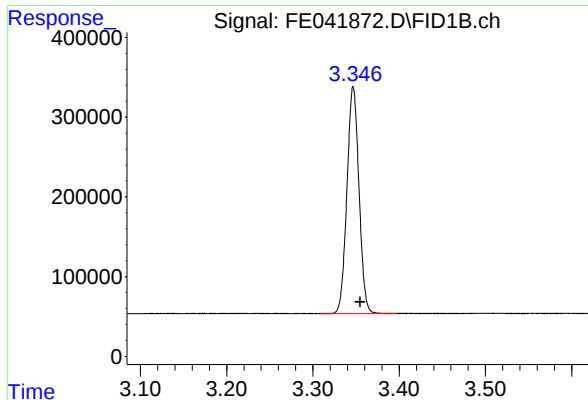
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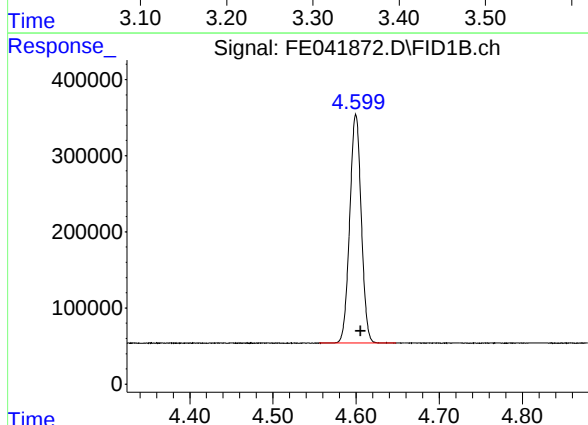
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.008 min
Response: 2755955
Conc: 18.75 ug/ml

Instrument : FID_E
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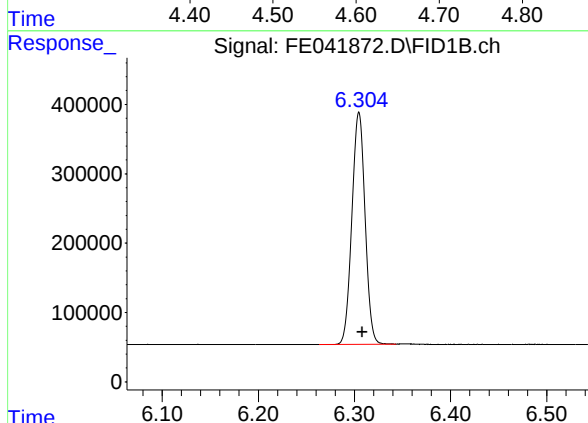
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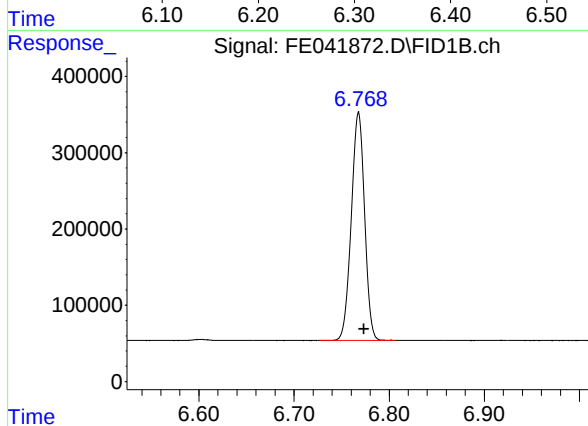
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: -0.006 min
Response: 2895133
Conc: 19.30 ug/ml



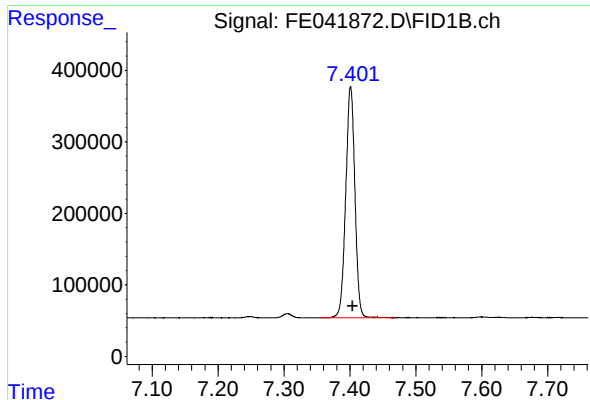
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: -0.003 min
Response: 3187771
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 2934332
Conc: 19.30 ug/ml



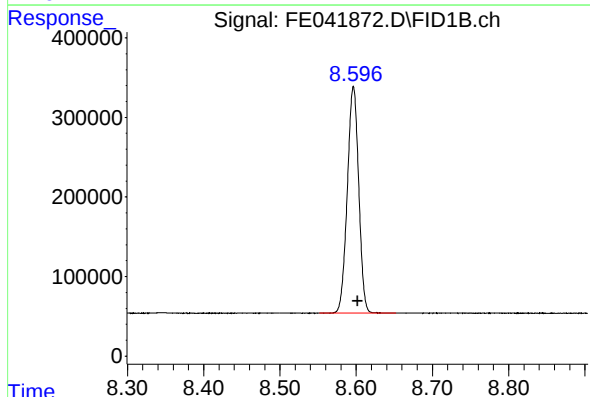
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.401 min
Delta R.T.: -0.003 min
Response: 3122104
Conc: 19.36 ug/ml

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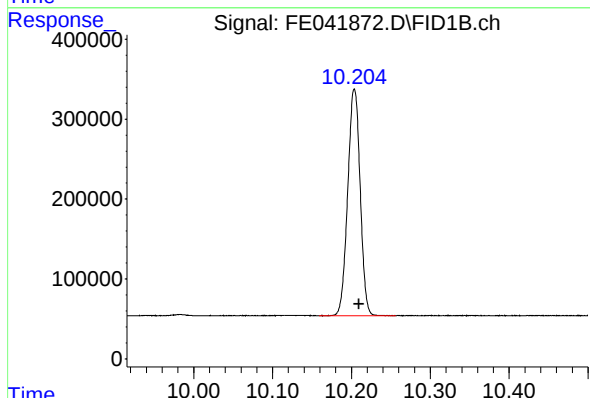
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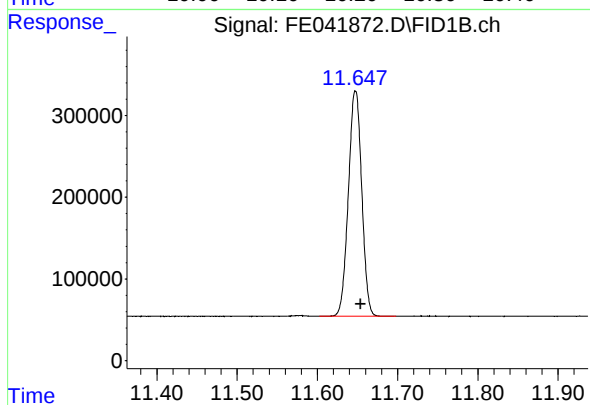
#6 n-Tetradecane (C14)

R.T.: 8.596 min
Delta R.T.: -0.006 min
Response: 2958459
Conc: 19.48 ug/ml



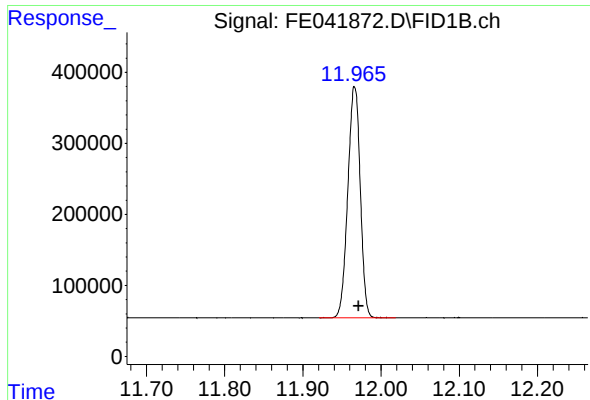
#7 n-Hexadecane (C16)

R.T.: 10.204 min
Delta R.T.: -0.006 min
Response: 3108301
Conc: 19.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.648 min
Delta R.T.: -0.006 min
Response: 3192189
Conc: 19.47 ug/ml



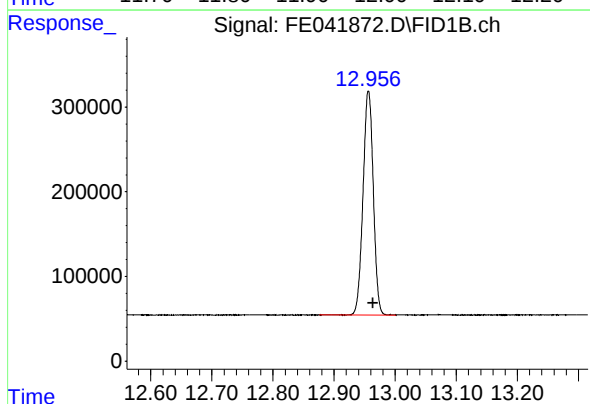
#9 ortho-Terphenyl (SURR)

R.T.: 11.966 min
Delta R.T.: -0.005 min
Response: 3603408
Conc: 19.21 ug/ml

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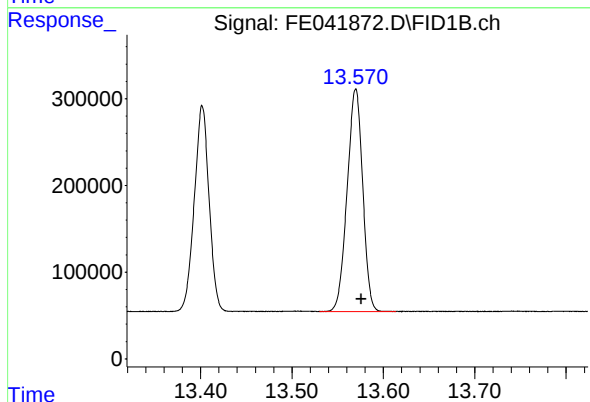
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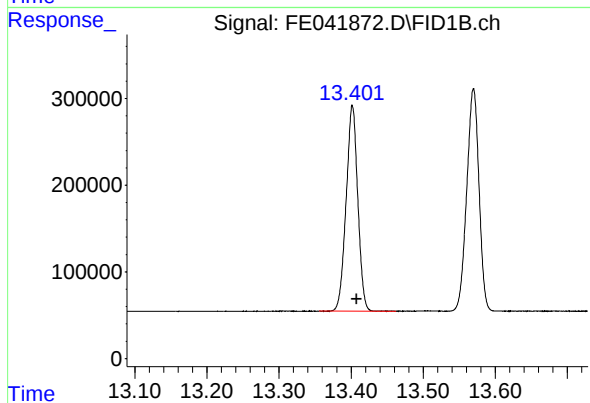
#10 n-Eicosane (C20)

R.T.: 12.956 min
Delta R.T.: -0.007 min
Response: 3093453
Conc: 19.23 ug/ml



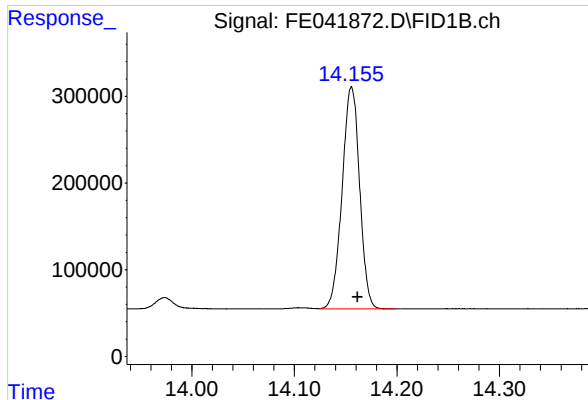
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.006 min
Response: 3036814
Conc: 19.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.402 min
Delta R.T.: -0.006 min
Response: 2672484
Conc: 18.92 ug/ml



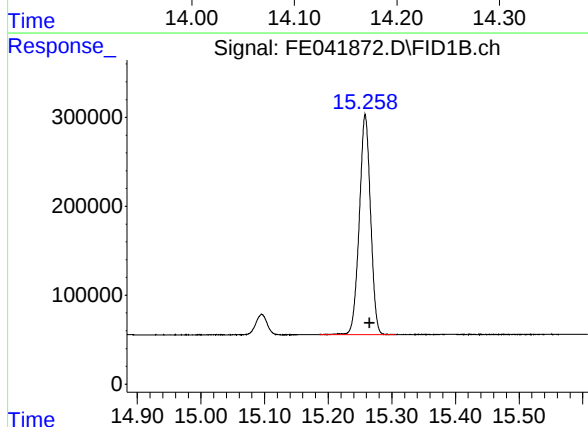
#13 n-Docosane (C22)

R.T.: 14.156 min
Delta R.T.: -0.006 min
Response: 3032332
Conc: 19.03 ug/ml

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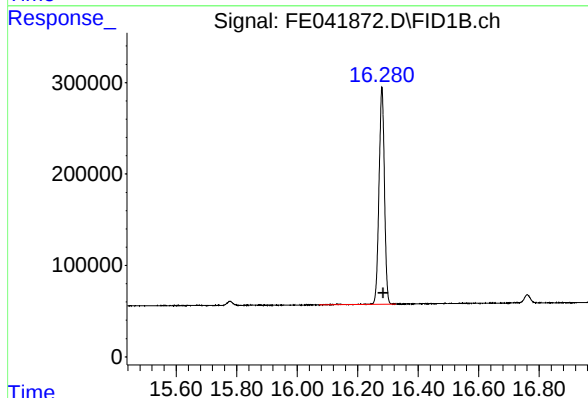
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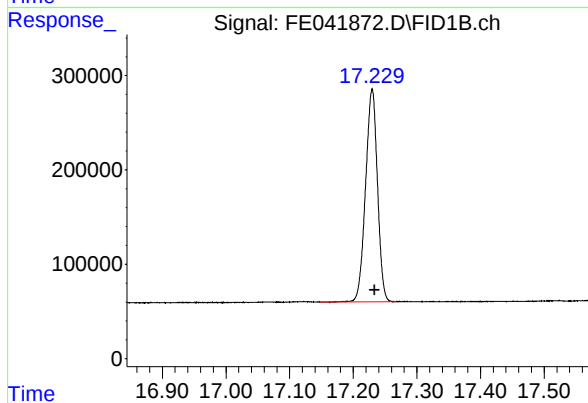
#14 n-Tetracosane (C24)

R.T.: 15.258 min
Delta R.T.: -0.007 min
Response: 3032449
Conc: 18.81 ug/ml



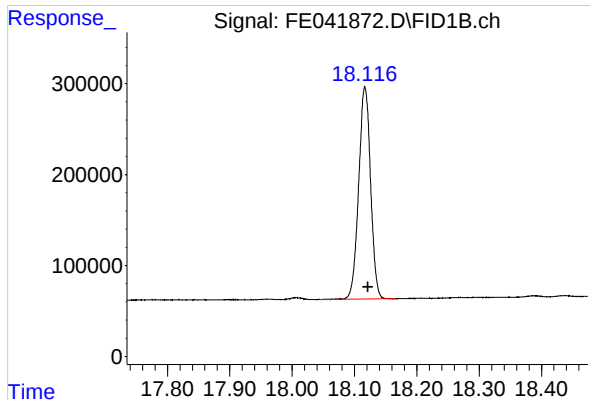
#15 n-Hexacosane (C26)

R.T.: 16.280 min
Delta R.T.: -0.005 min
Response: 2963822
Conc: 18.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.230 min
Delta R.T.: -0.004 min
Response: 2929471
Conc: 19.04 ug/ml



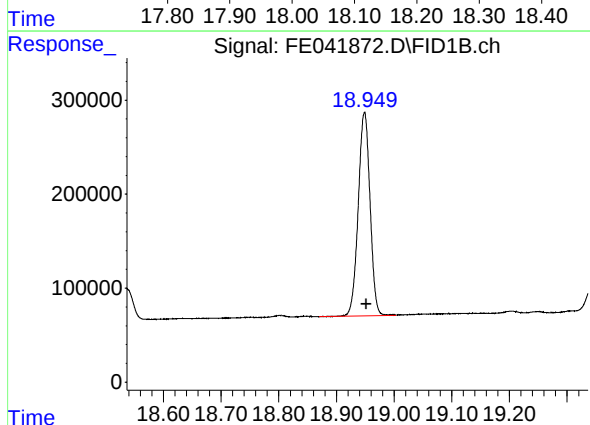
#17 n-Tricontane (C30)

R.T.: 18.117 min
Delta R.T.: -0.005 min
Response: 3100370
Conc: 20.36 ug/ml

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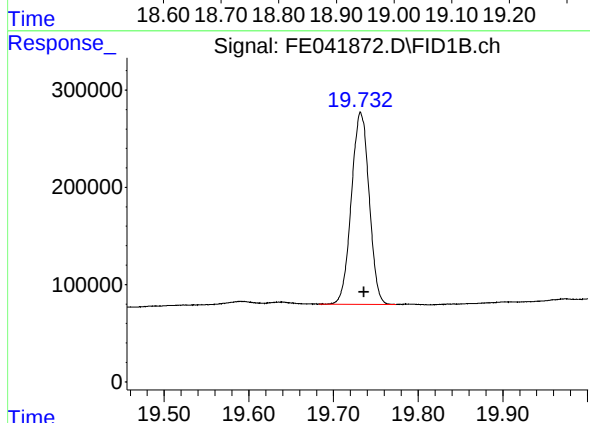
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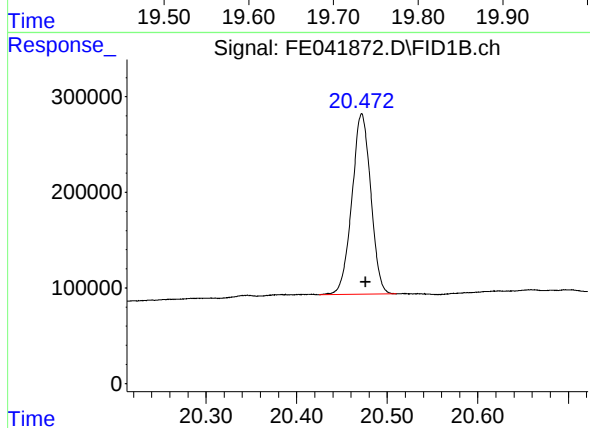
#18 n-Dotriacontane (C32)

R.T.: 18.949 min
Delta R.T.: -0.003 min
Response: 3096522
Conc: 20.78 ug/ml



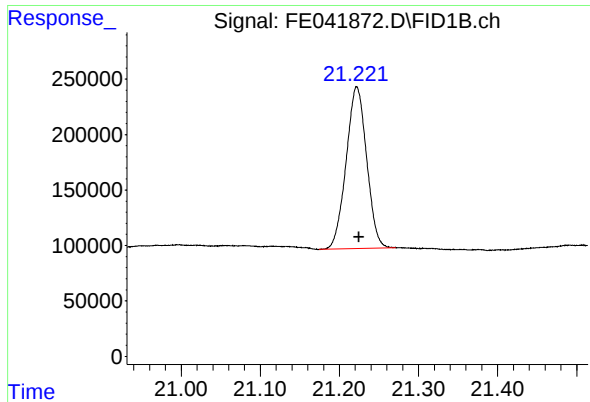
#19 n-Tetratriacontane (C34)

R.T.: 19.732 min
Delta R.T.: -0.004 min
Response: 2876648
Conc: 20.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.472 min
Delta R.T.: -0.004 min
Response: 2724675
Conc: 20.37 ug/ml m



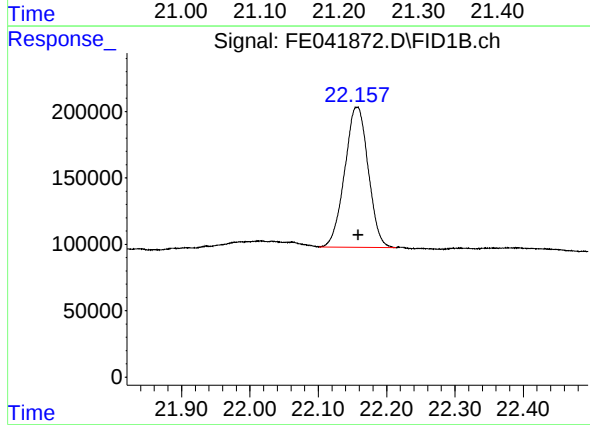
#21 n-Octatriacontane (C38)

R.T.: 21.221 min
Delta R.T.: -0.004 min
Response: 2626165
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.157 min
Delta R.T.: -0.002 min
Response: 2524545
Conc: 19.94 ug/ml m