

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051223AL\
 Data File : FE041891.D
 Signal(s) : FID1B.ch
 Acq On : 12 May 2023 19:43
 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 05/15/2023
 Supervised By :Ankita Jodhani 05/16/2023

Integration File: autoint1.e
 Quant Time: May 12 20:53:04 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)	11.972	3577111	19.067 ug/ml
Spiked Amount 50.000		Recovery =	38.13%
12) S 1-chlorooctadecane (S...	13.408	2658870	18.821 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
Target Compounds			
1) T n-Nonane (C9)	3.349	2766662	18.821 ug/ml
2) T n-Decane (C10)	4.603	2920755	19.474 ug/ml
3) T A~Naphthalene (C11.7)	6.309	3215604	19.431 ug/ml
4) T n-Dodecane (C12)	6.771	2959523	19.465 ug/ml
5) T A~2-methylnaphthalene...	7.406	3149259	19.531 ug/ml
6) T n-Tetradecane (C14)	8.600	2989746	19.682 ug/ml
7) T n-Hexadecane (C16)	10.209	3122250	19.565 ug/ml
8) T n-Octadecane (C18)	11.653	3190564	19.465 ug/ml
10) T n-Eicosane (C20)	12.963	3071649	19.097 ug/ml
11) T n-Heneicosane (C21)	13.575	3008143	18.875 ug/ml
13) T n-Docosane (C22)	14.162	2994612	18.795 ug/ml
14) T n-Tetracosane (C24)	15.264	2987234	18.529 ug/ml
15) T n-Hexacosane (C26)	16.285	2881388	18.225 ug/mlm
16) T n-Octacosane (C28)	17.236	2881916	18.729 ug/mlm
17) T n-Tricontane (C30)	18.124	3097334	20.337 ug/ml
18) T n-Dotriacontane (C32)	18.956	3095291	20.777 ug/mlm
19) T n-Tetratriacontane (C34)	19.741	2949844	20.939 ug/ml
20) T n-Hexatriacontane (C36)	20.482	2770919	20.720 ug/mlm
21) T n-Octatriacontane (C38)	21.233	2855389	21.610 ug/mlm
22) T n-Tetracontane (C40)	22.173	2690896	21.253 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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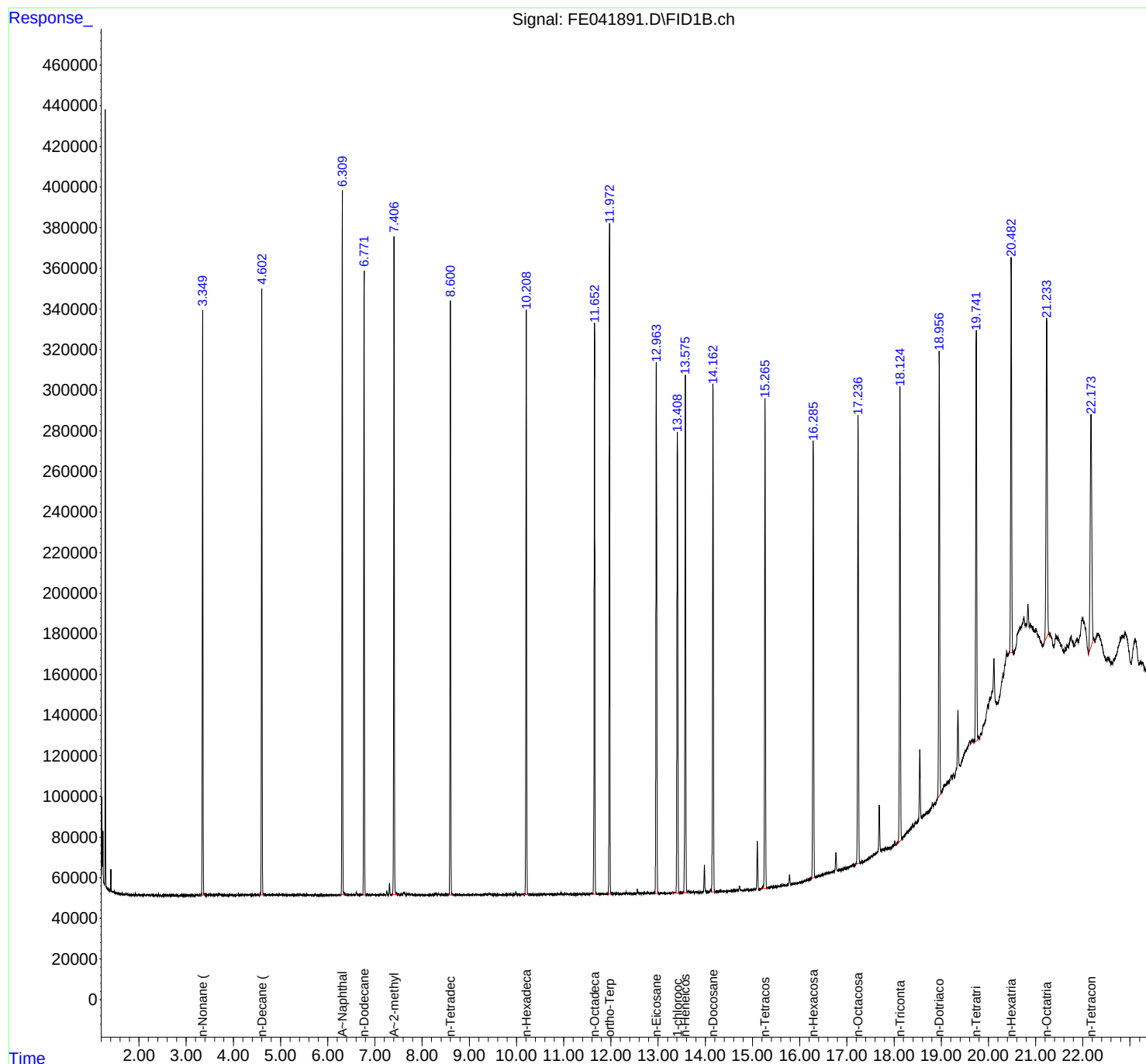
Instrument :
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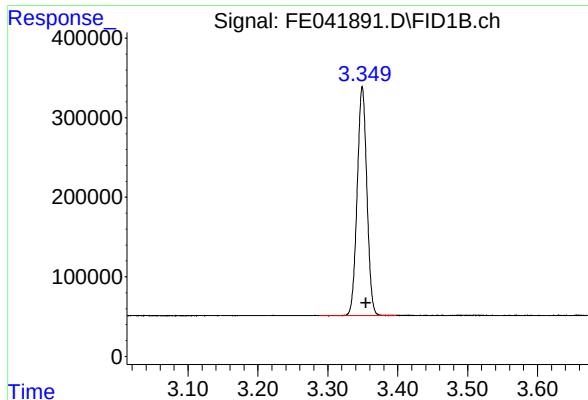
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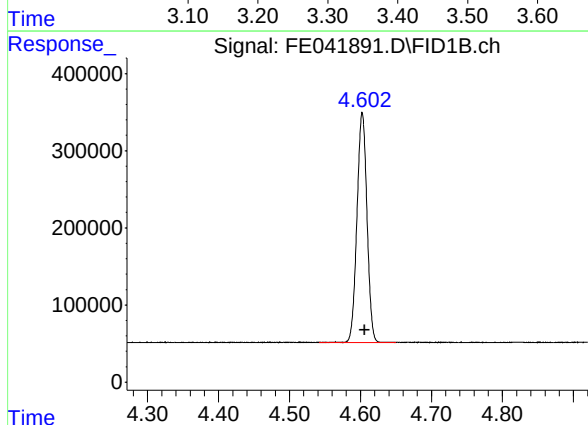
#1 n-Nonane (C9)

R.T.: 3.349 min
Delta R.T.: -0.006 min
Response: 2766662
Conc: 18.82 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

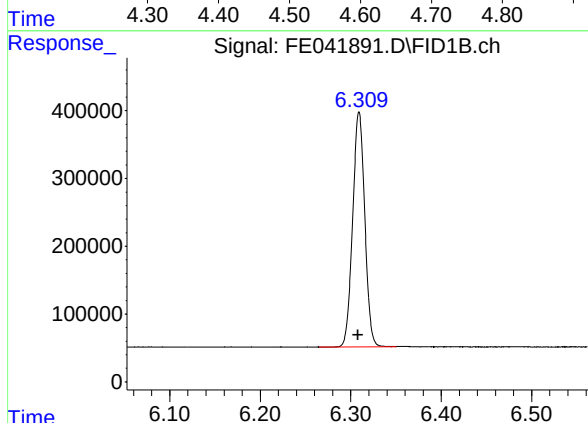
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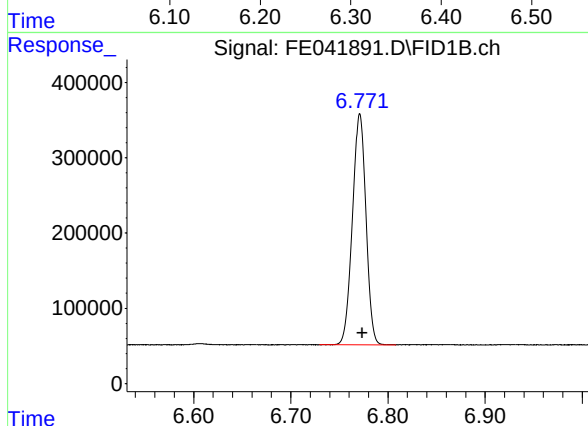
#2 n-Decane (C10)

R.T.: 4.603 min
Delta R.T.: -0.003 min
Response: 2920755
Conc: 19.47 ug/ml



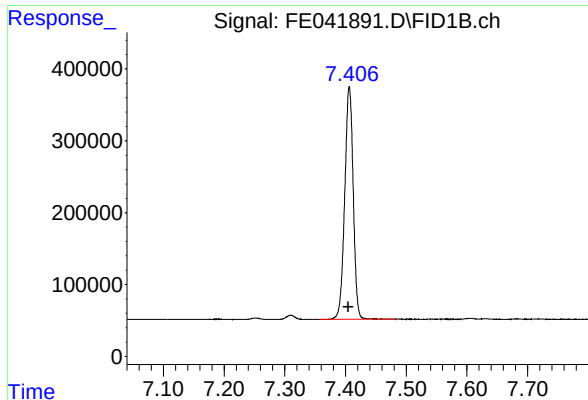
#3 A~Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.001 min
Response: 3215604
Conc: 19.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.771 min
Delta R.T.: -0.002 min
Response: 2959523
Conc: 19.46 ug/ml



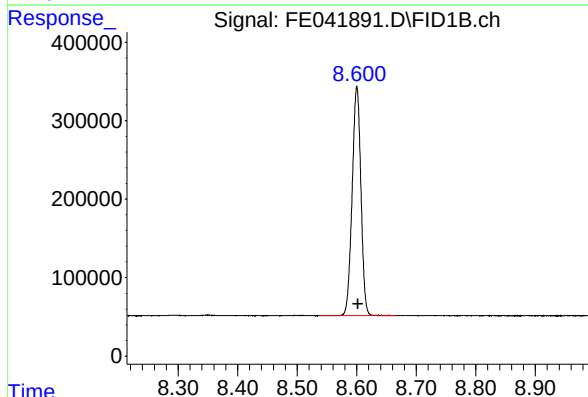
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: 0.002 min
Response: 3149259
Conc: 19.53 ug/ml

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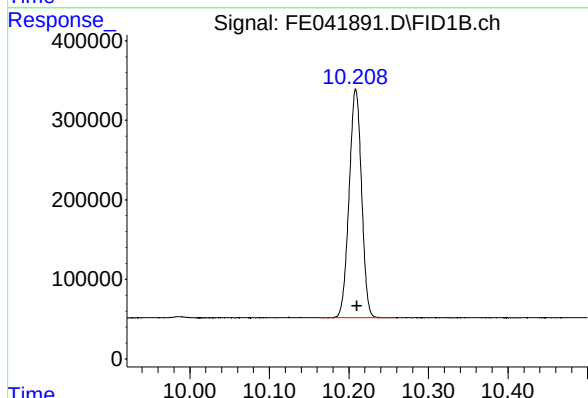
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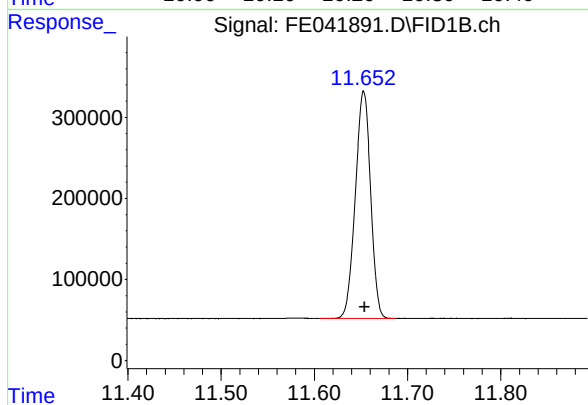
#6 n-Tetradecane (C14)

R.T.: 8.600 min
Delta R.T.: -0.002 min
Response: 2989746
Conc: 19.68 ug/ml



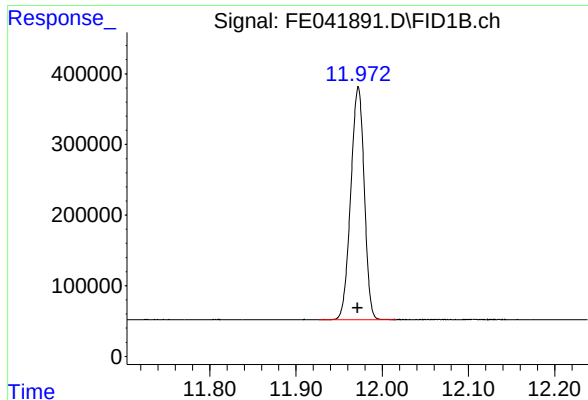
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: -0.001 min
Response: 3122250
Conc: 19.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.000 min
Response: 3190564
Conc: 19.47 ug/ml



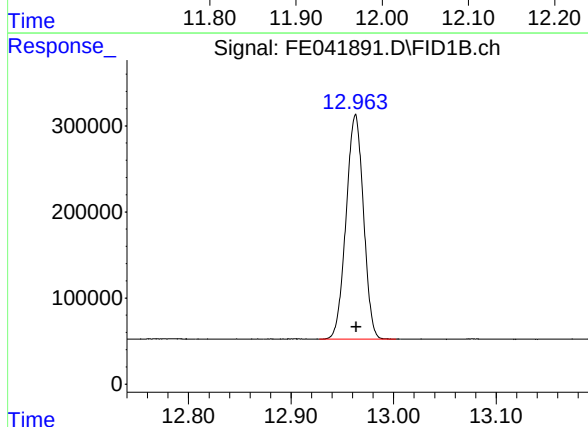
#9 ortho-Terphenyl (SURR)

R.T.: 11.972 min
Delta R.T.: 0.000 min
Response: 3577111
Conc: 19.07 ug/ml

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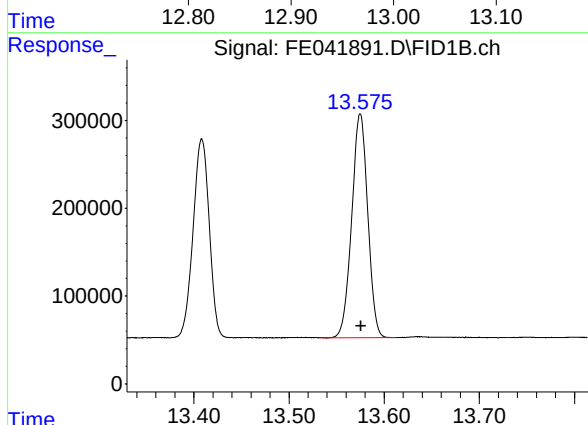
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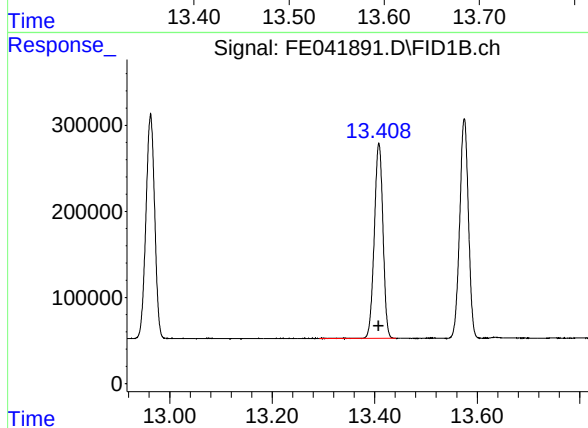
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: 0.000 min
Response: 3071649
Conc: 19.10 ug/ml



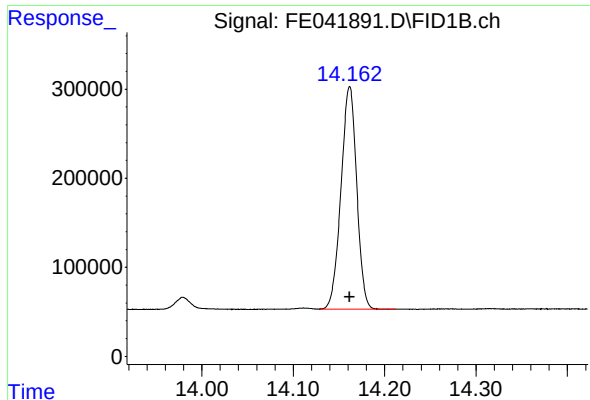
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.000 min
Response: 3008143
Conc: 18.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.000 min
Response: 2658870
Conc: 18.82 ug/ml



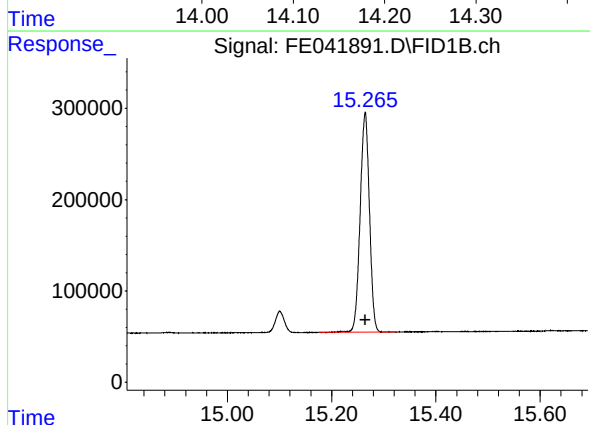
#13 n-Docosane (C22)

R.T.: 14.162 min
Delta R.T.: 0.000 min
Response: 2994612
Conc: 18.80 ug/ml

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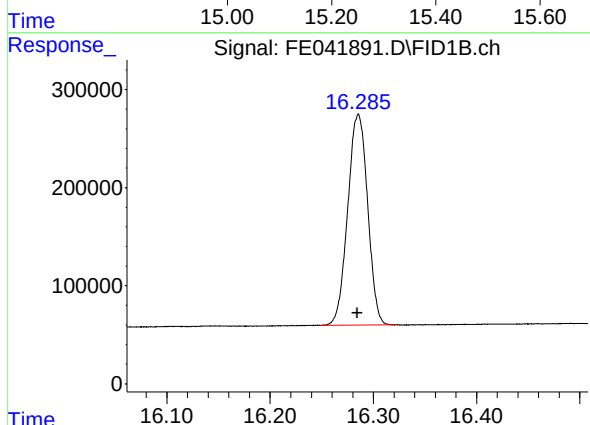
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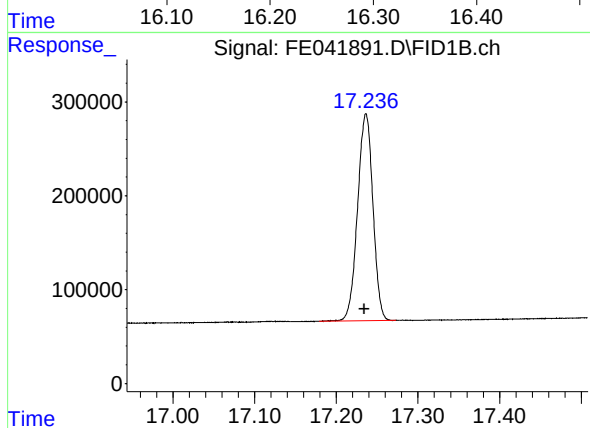
#14 n-Tetracosane (C24)

R.T.: 15.264 min
Delta R.T.: 0.000 min
Response: 2987234
Conc: 18.53 ug/ml



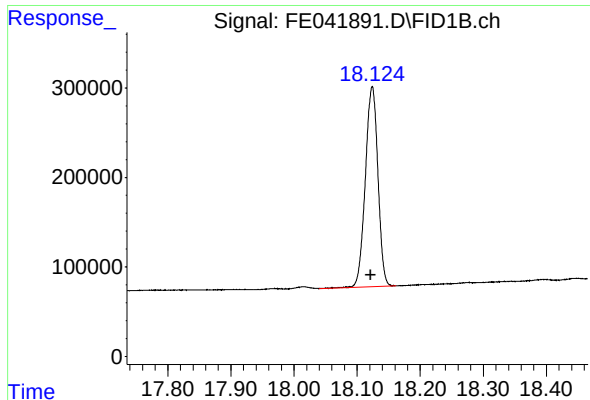
#15 n-Hexacosane (C26)

R.T.: 16.285 min
Delta R.T.: 0.000 min
Response: 2881388
Conc: 18.23 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.236 min
Delta R.T.: 0.002 min
Response: 2881916
Conc: 18.73 ug/ml m



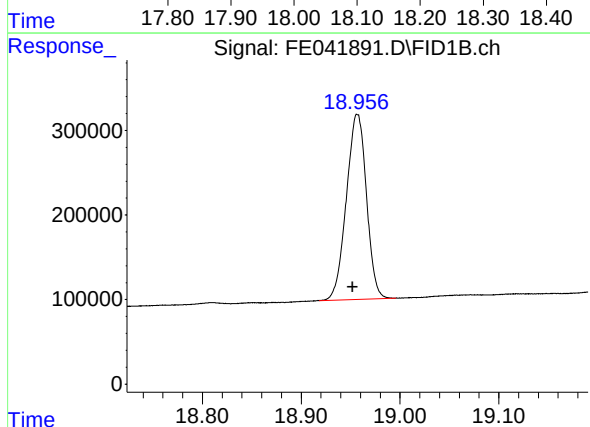
#17 n-Tricontane (C30)

R.T.: 18.124 min
Delta R.T.: 0.003 min
Response: 3097334
Conc: 20.34 ug/ml

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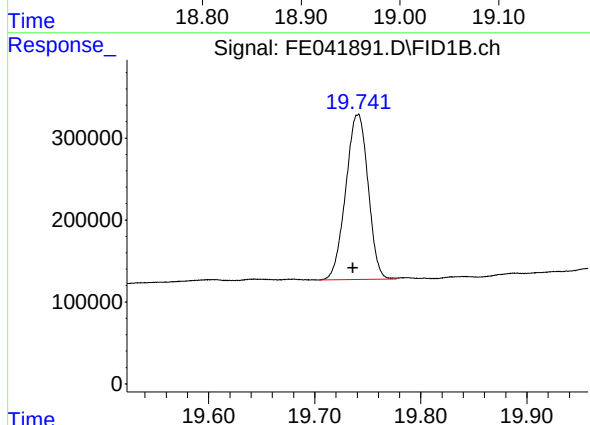
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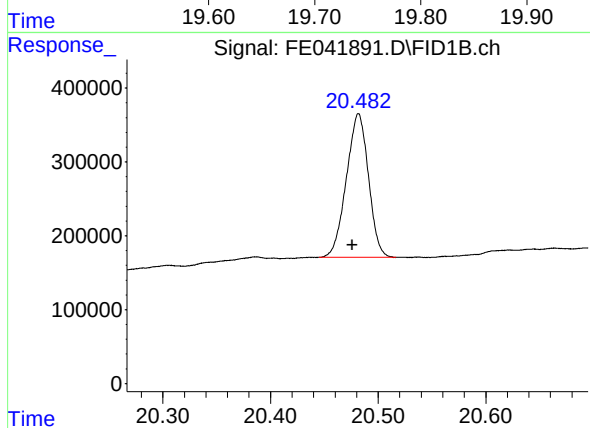
#18 n-Dotriacontane (C32)

R.T.: 18.956 min
Delta R.T.: 0.004 min
Response: 3095291
Conc: 20.78 ug/ml m



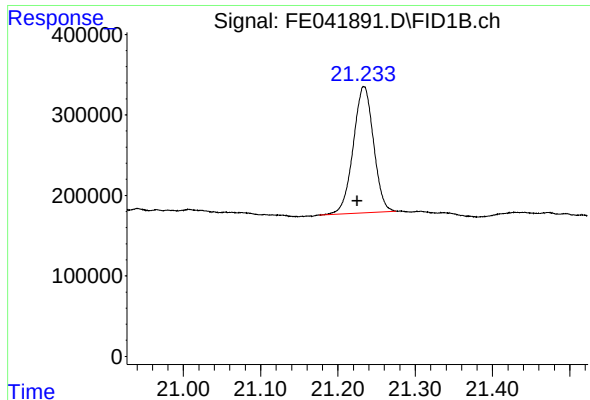
#19 n-Tetratriacontane (C34)

R.T.: 19.741 min
Delta R.T.: 0.005 min
Response: 2949844
Conc: 20.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.482 min
Delta R.T.: 0.005 min
Response: 2770919
Conc: 20.72 ug/ml m



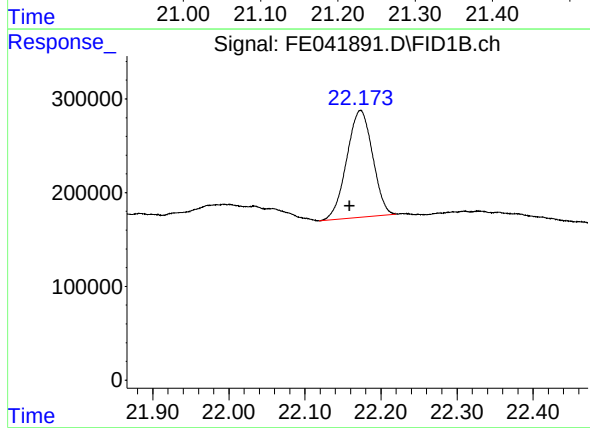
#21 n-Octatriacontane (C38)

R.T.: 21.233 min
Delta R.T.: 0.008 min
Response: 2855389
Conc: 21.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.173 min
Delta R.T.: 0.015 min
Response: 2690896
Conc: 21.25 ug/ml m