

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051523AL\
 Data File : FE041914.D
 Signal(s) : FID1B.ch
 Acq On : 15 May 2023 13:24
 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 05/16/2023
 Supervised By :Ankita Jodhani 05/16/2023

Integration File: autoint1.e
 Quant Time: May 16 01:11:22 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	3378215	18.007 ug/ml
Spiked Amount 50.000		Recovery =	36.01%
12) S 1-chlorooctadecane (S...	13.408	2501145	17.705 ug/ml
Spiked Amount 50.000		Recovery =	35.41%
Target Compounds			
1) T n-Nonane (C9)	3.349	2591358	17.629 ug/ml
2) T n-Decane (C10)	4.602	2772887	18.488 ug/ml
3) T A~Naphthalene (C11.7)	6.310	3063333	18.511 ug/ml
4) T n-Dodecane (C12)	6.771	2806086	18.456 ug/ml
5) T A~2-methylnaphthalene...	7.407	2979817	18.480 ug/ml
6) T n-Tetradecane (C14)	8.601	2818429	18.554 ug/ml
7) T n-Hexadecane (C16)	10.209	2952687	18.502 ug/ml
8) T n-Octadecane (C18)	11.652	3013647	18.386 ug/ml
10) T n-Eicosane (C20)	12.963	2900476	18.033 ug/ml
11) T n-Heneicosane (C21)	13.575	2841454	17.829 ug/ml
13) T n-Docosane (C22)	14.162	2831250	17.770 ug/ml
14) T n-Tetracosane (C24)	15.267	2814309	17.456 ug/ml
15) T n-Hexacosane (C26)	16.287	2738254	17.320 ug/ml
16) T n-Octacosane (C28)	17.237	2761255	17.945 ug/ml
17) T n-Tricontane (C30)	18.125	2996128	19.672 ug/ml
18) T n-Dotriacontane (C32)	18.958	3011737	20.216 ug/ml
19) T n-Tetratriacontane (C34)	19.741	2846784	20.208 ug/ml
20) T n-Hexatriacontane (C36)	20.482	2690054	20.116 ug/mlm
21) T n-Octatriacontane (C38)	21.235	2665265	20.171 ug/mlm
22) T n-Tetracontane (C40)	22.174	2641361	20.862 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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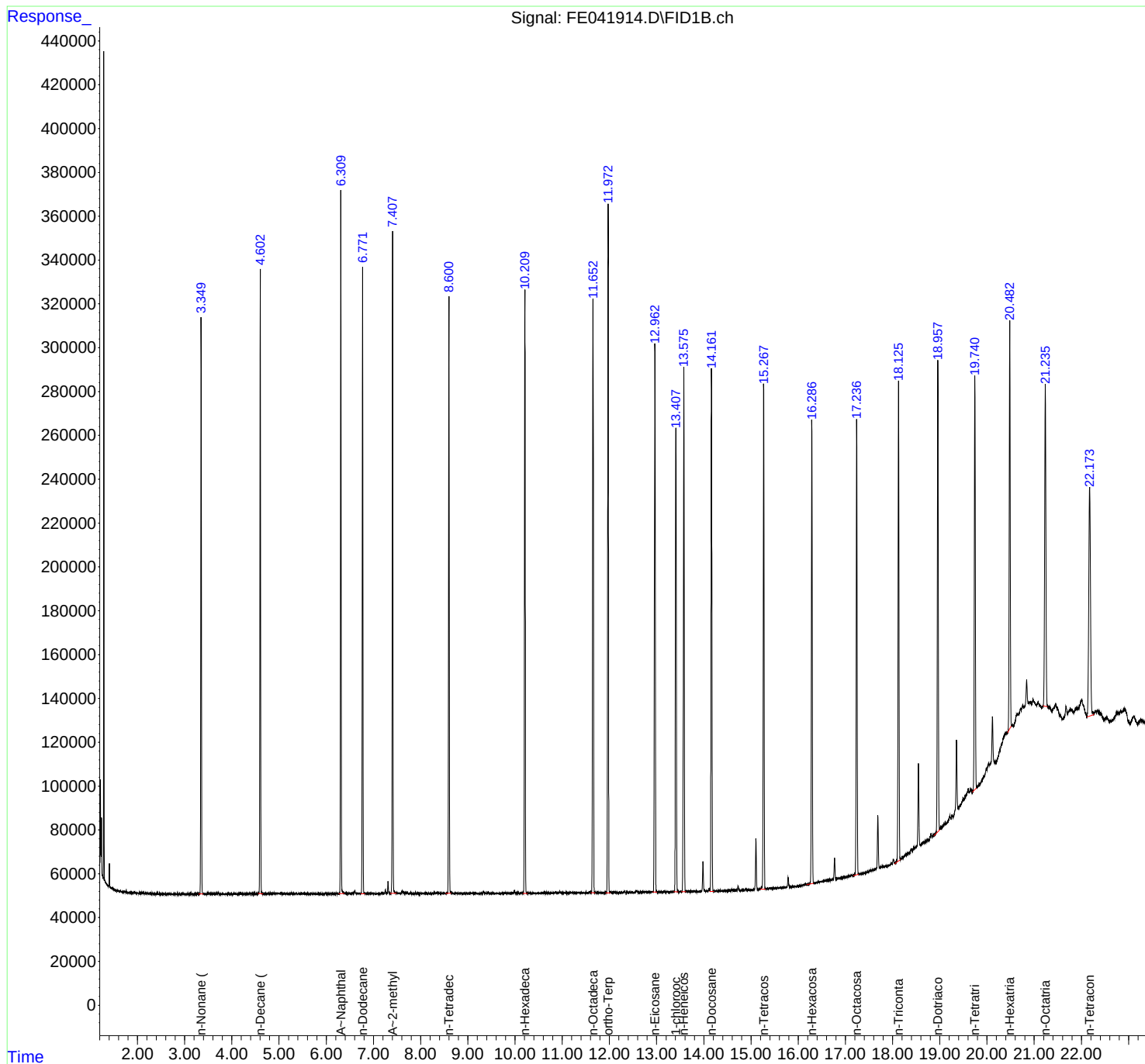
Instrument :
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20 PPM ALIPHATIC HC STD

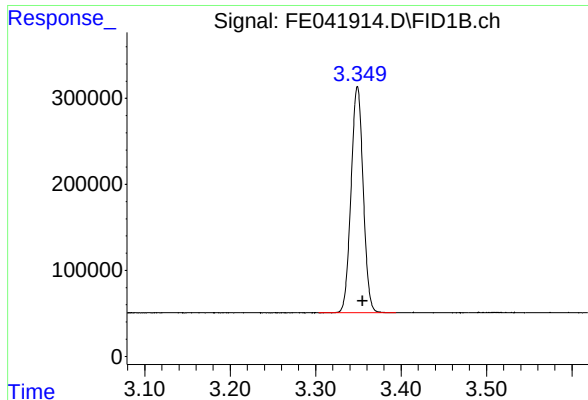
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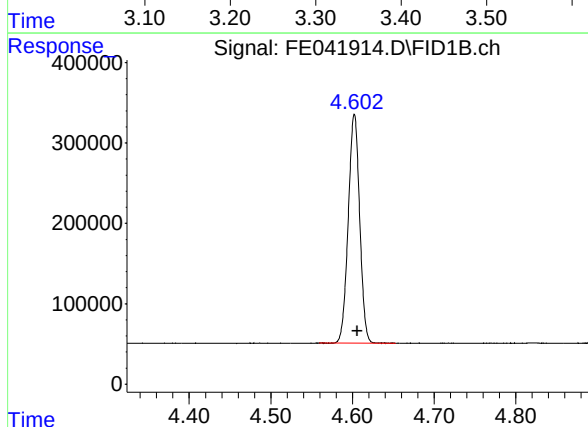
#1 n-Nonane (C9)

R.T.: 3.349 min
Delta R.T.: -0.006 min
Response: 2591358
Conc: 17.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

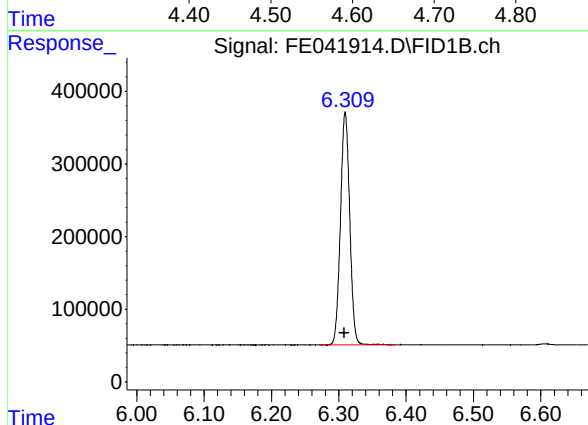
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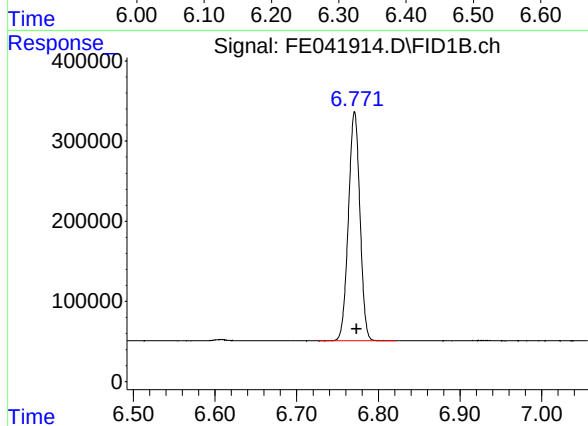
#2 n-Decane (C10)

R.T.: 4.602 min
Delta R.T.: -0.003 min
Response: 2772887
Conc: 18.49 ug/ml



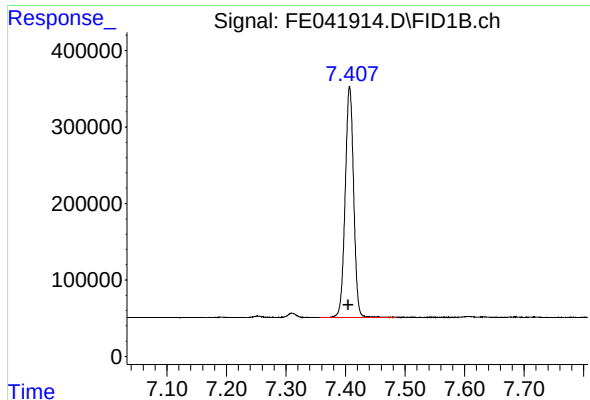
#3 A~Naphthalene (C11.7)

R.T.: 6.310 min
Delta R.T.: 0.001 min
Response: 3063333
Conc: 18.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.771 min
Delta R.T.: -0.002 min
Response: 2806086
Conc: 18.46 ug/ml



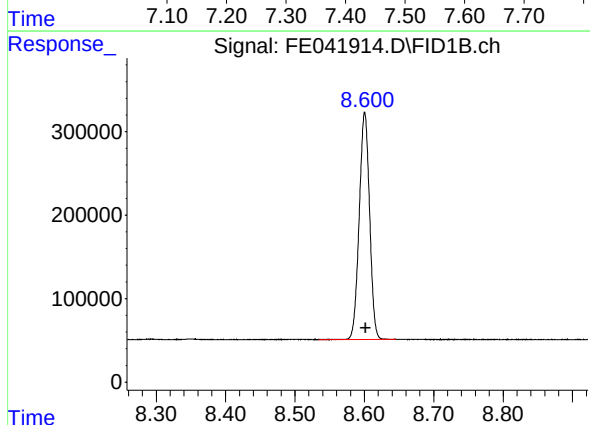
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.407 min
Delta R.T.: 0.003 min
Response: 2979817
Conc: 18.48 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

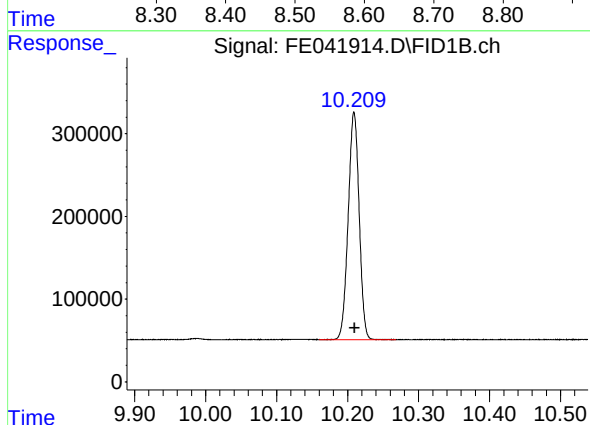
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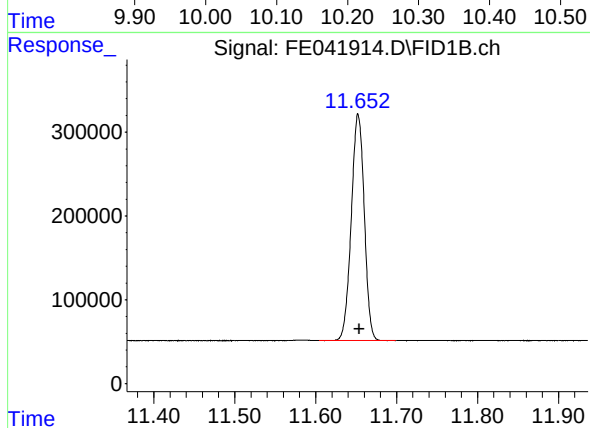
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: -0.002 min
Response: 2818429
Conc: 18.55 ug/ml



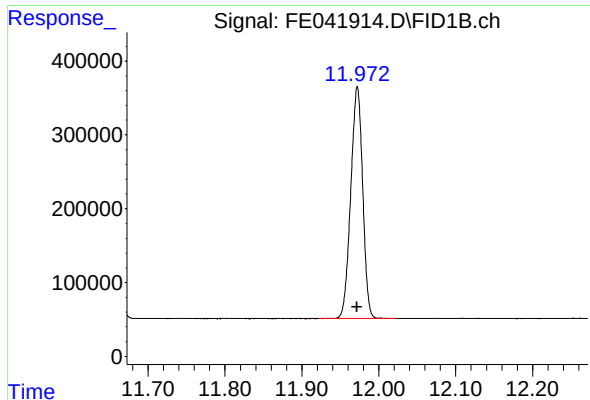
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: 0.000 min
Response: 2952687
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.652 min
Delta R.T.: -0.001 min
Response: 3013647
Conc: 18.39 ug/ml



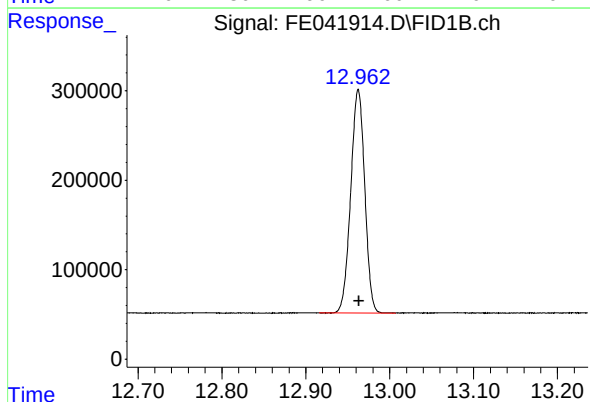
#9 ortho-Terphenyl (SURR)

R.T.: 11.972 min
Delta R.T.: 0.000 min
Response: 3378215
Conc: 18.01 ug/ml

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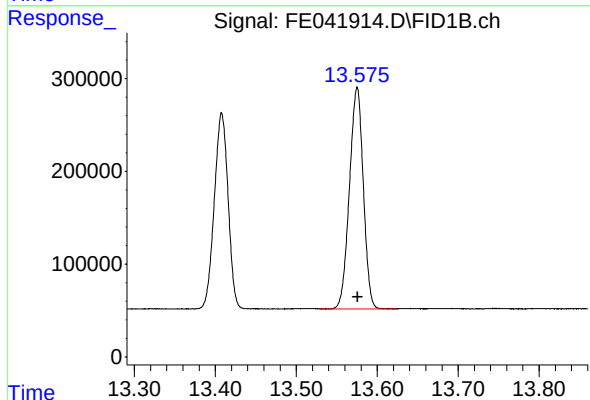
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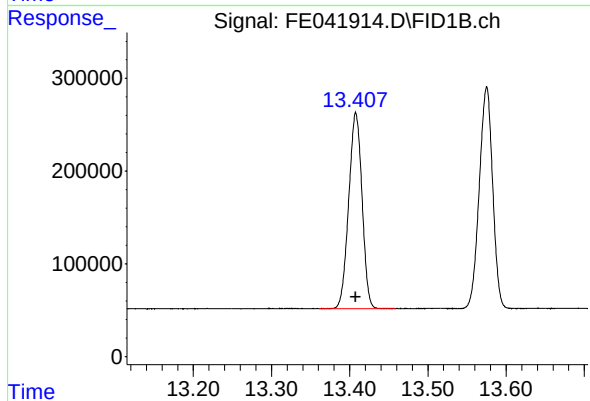
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: -0.001 min
Response: 2900476
Conc: 18.03 ug/ml



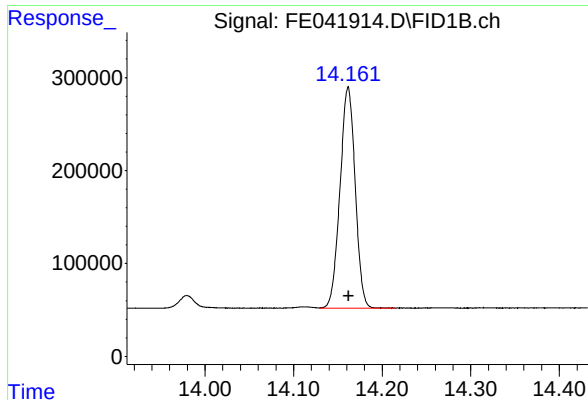
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.000 min
Response: 2841454
Conc: 17.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.000 min
Response: 2501145
Conc: 17.70 ug/ml



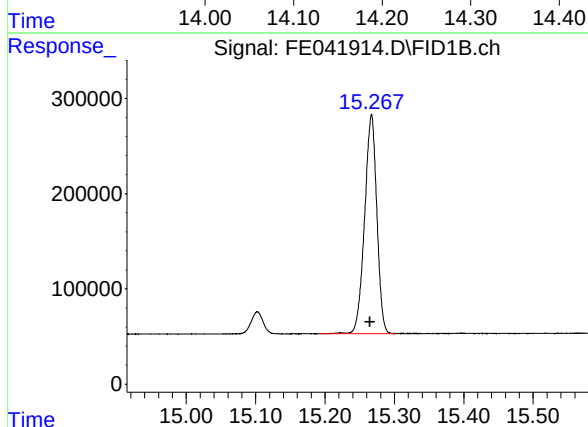
#13 n-Docosane (C22)

R.T.: 14.162 min
Delta R.T.: 0.000 min
Response: 2831250
Conc: 17.77 ug/ml

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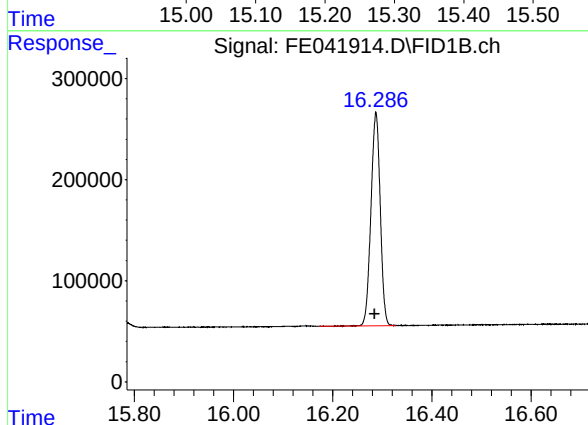
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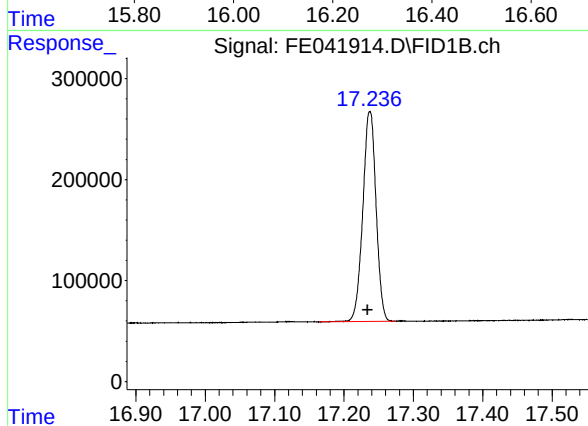
#14 n-Tetracosane (C24)

R.T.: 15.267 min
Delta R.T.: 0.002 min
Response: 2814309
Conc: 17.46 ug/ml



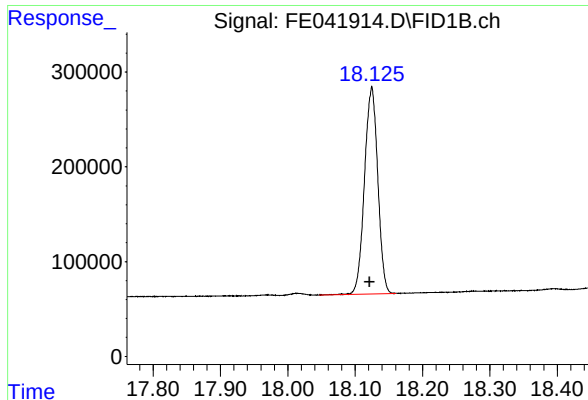
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: 0.003 min
Response: 2738254
Conc: 17.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.237 min
Delta R.T.: 0.003 min
Response: 2761255
Conc: 17.95 ug/ml



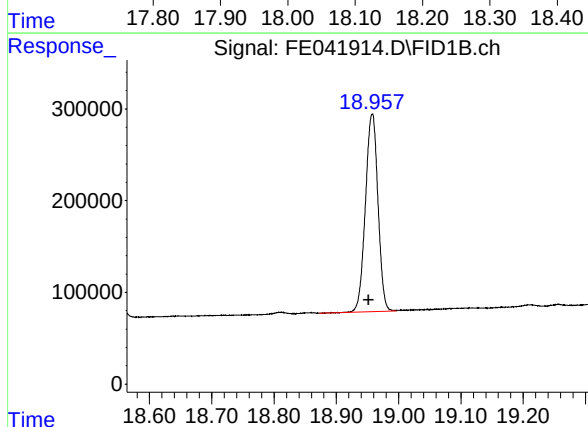
#17 n-Tricontane (C30)

R.T.: 18.125 min
Delta R.T.: 0.003 min
Response: 2996128
Conc: 19.67 ug/ml

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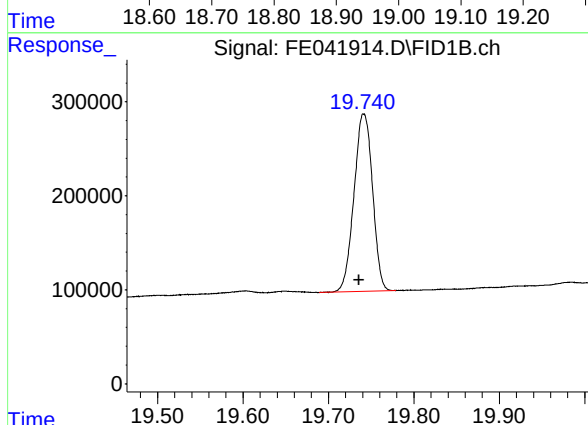
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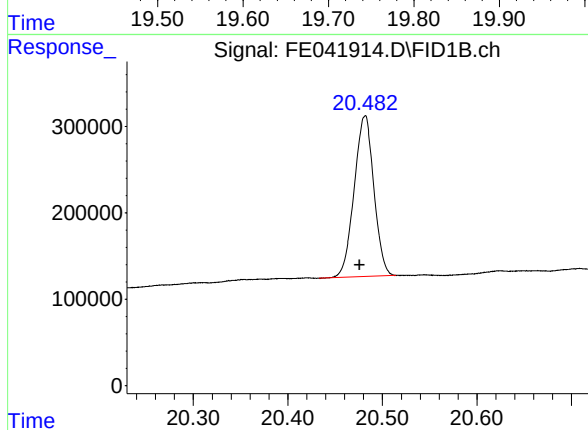
#18 n-Dotriacontane (C32)

R.T.: 18.958 min
Delta R.T.: 0.006 min
Response: 3011737
Conc: 20.22 ug/ml



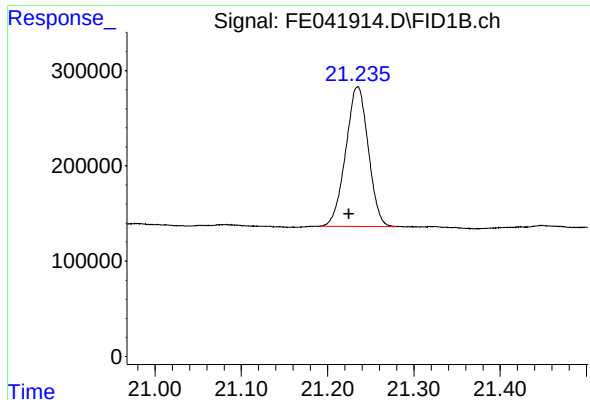
#19 n-Tetratriacontane (C34)

R.T.: 19.741 min
Delta R.T.: 0.005 min
Response: 2846784
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.482 min
Delta R.T.: 0.006 min
Response: 2690054
Conc: 20.12 ug/ml m



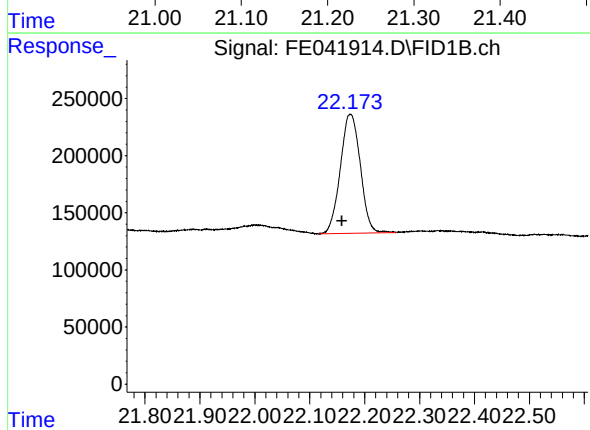
#21 n-Octatriacontane (C38)

R.T.: 21.235 min
Delta R.T.: 0.010 min
Response: 2665265
Conc: 20.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.174 min
Delta R.T.: 0.015 min
Response: 2641361
Conc: 20.86 ug/ml