

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110922AL\
 Data File : FE038671.D
 Signal(s) : FID1B.ch
 Acq On : 09 Nov 2022 15:51
 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 11/10/2022
 Supervised By :Ankita Jodhani 11/10/2022

Integration File: autoint1.e
 Quant Time: Nov 10 11:13:28 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 Qlast Update : Wed Oct 26 04:49:29 2022
 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)	11.961	2622994	15.244 ug/ml
Spiked Amount 50.000		Recovery =	30.49%
12) S 1-chlorooctadecane (S...	13.395	2059184	15.041 ug/ml
Spiked Amount 50.000		Recovery =	30.08%
Target Compounds			
1) T n-Nonane (C9)	3.359	2520793	16.367 ug/ml
2) T n-Decane (C10)	4.608	2577163	16.603 ug/ml
3) T A~Naphthalene (C11.7)	6.311	2740134	16.180 ug/ml
4) T n-Dodecane (C12)	6.770	2578124	16.504 ug/ml
5) T A~2-methylnaphthalene...	7.404	2672027	15.944 ug/ml
6) T n-Tetradecane (C14)	8.595	2554478	16.334 ug/ml
7) T n-Hexadecane (C16)	10.201	2540710	16.082 ug/ml
8) T n-Octadecane (C18)	11.642	2514016	15.695 ug/ml
10) T n-Eicosane (C20)	12.950	2464805	15.297 ug/ml
11) T n-Heneicosane (C21)	13.562	2437680	15.091 ug/ml
13) T n-Docosane (C22)	14.149	2421898	15.002 ug/ml
14) T n-Tetracosane (C24)	15.248	2408435	15.015 ug/mlm
15) T n-Hexacosane (C26)	16.271	2371144	14.928 ug/ml
16) T n-Octacosane (C28)	17.218	2428614	15.480 ug/ml
17) T n-Tricontane (C30)	18.106	2563277	16.065 ug/ml
18) T n-Dotriacontane (C32)	18.939	2832971	17.968 ug/ml
19) T n-Tetratriacontane (C34)	19.720	2320388	15.739 ug/ml
20) T n-Hexatriacontane (C36)	20.461	2747166	19.226 ug/ml
21) T n-Octatriacontane (C38)	21.204	2833895	20.982 ug/ml
22) T n-Tetracontane (C40)	22.130	2929791	23.210 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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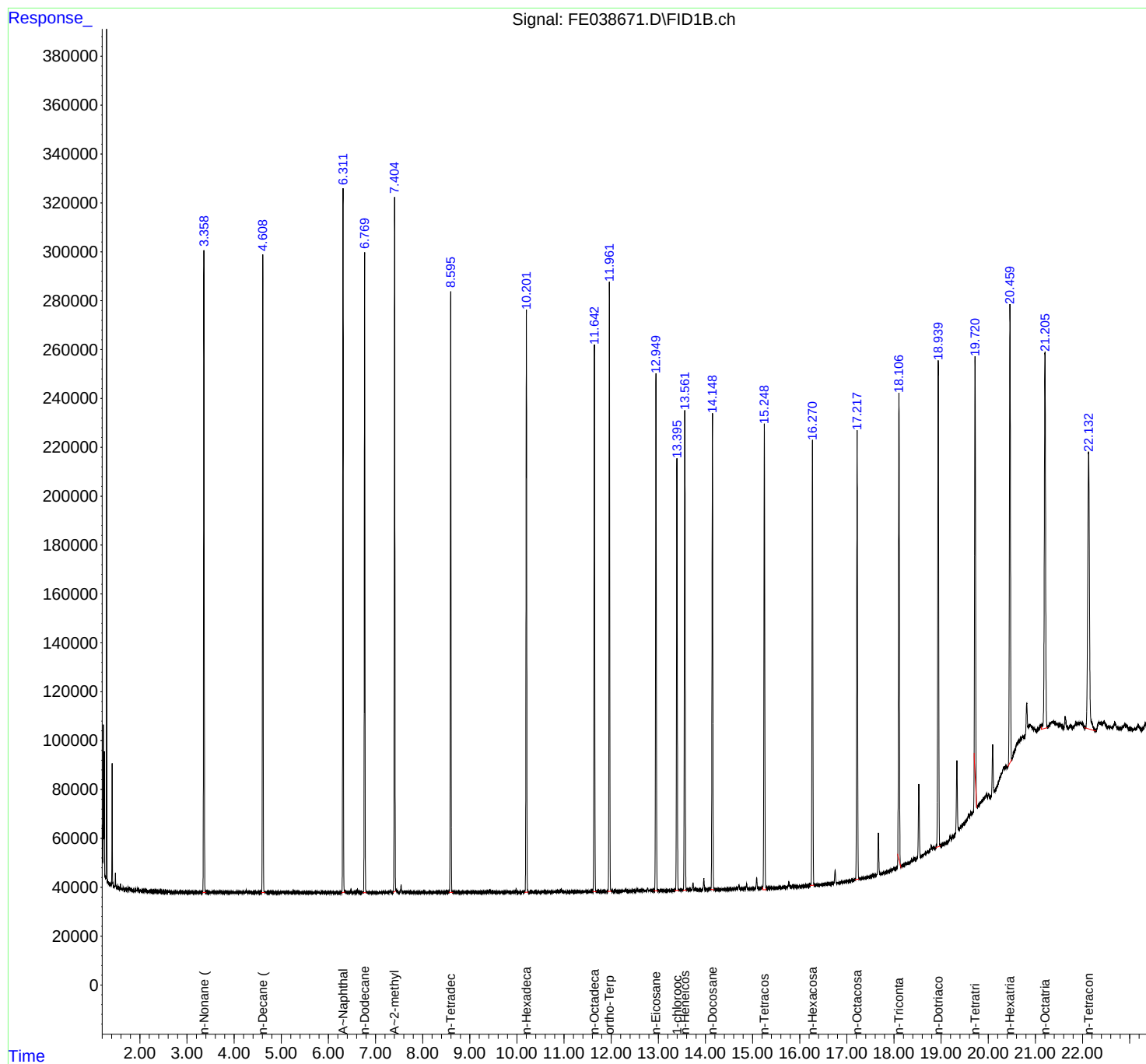
Instrument :
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20 PPM ALIPHATIC HC STD

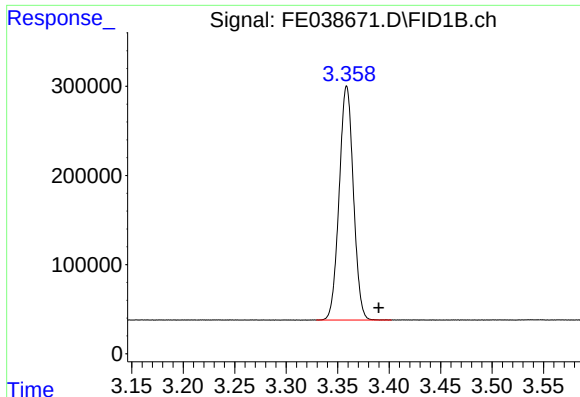
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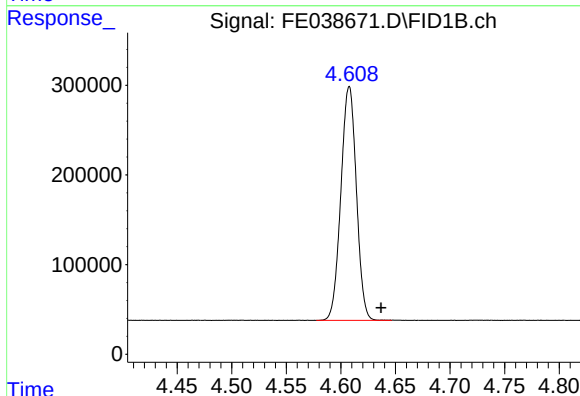
#1 n-Nonane (C9)

R.T.: 3.359 min
Delta R.T.: -0.031 min
Response: 2520793
Conc: 16.37 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

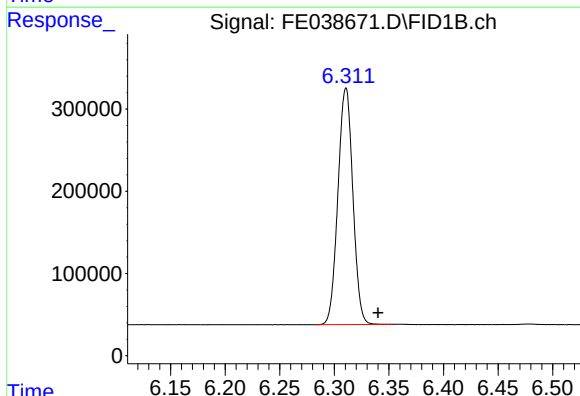
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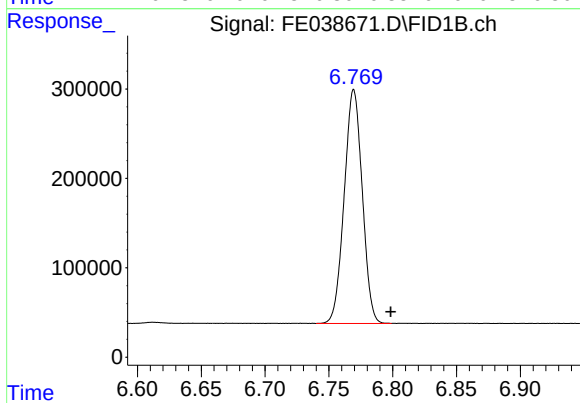
#2 n-Decane (C10)

R.T.: 4.608 min
Delta R.T.: -0.029 min
Response: 2577163
Conc: 16.60 ug/ml



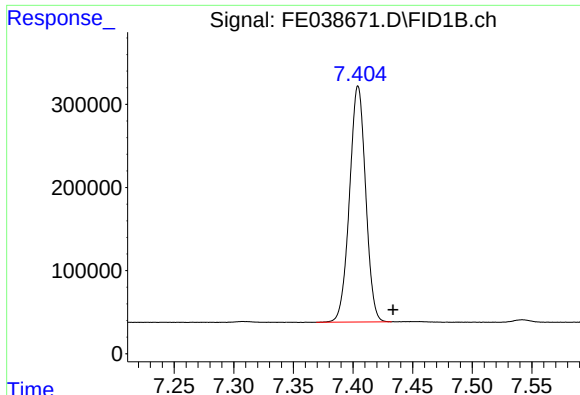
#3 A~Naphthalene (C11.7)

R.T.: 6.311 min
Delta R.T.: -0.029 min
Response: 2740134
Conc: 16.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.770 min
Delta R.T.: -0.029 min
Response: 2578124
Conc: 16.50 ug/ml



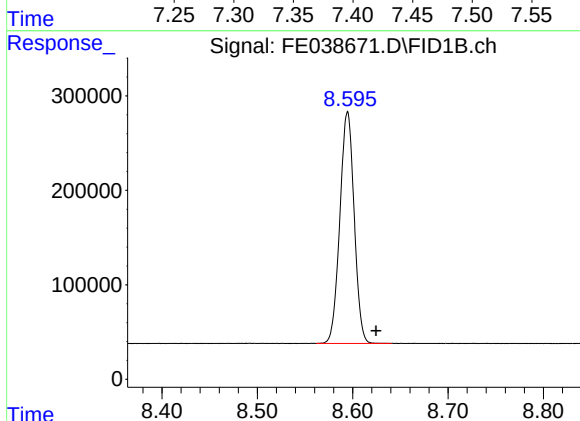
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.404 min
Delta R.T.: -0.029 min
Response: 2672027
Conc: 15.94 ug/ml

Instrument :
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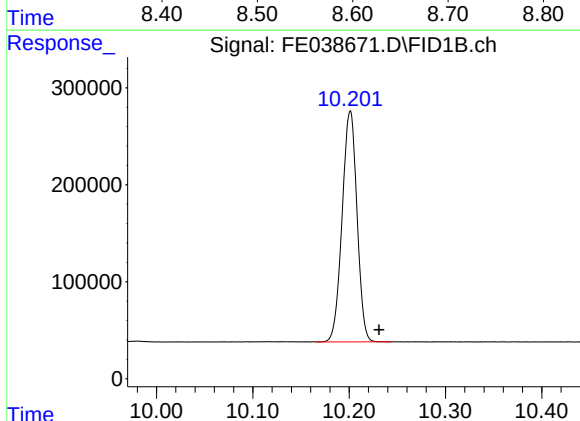
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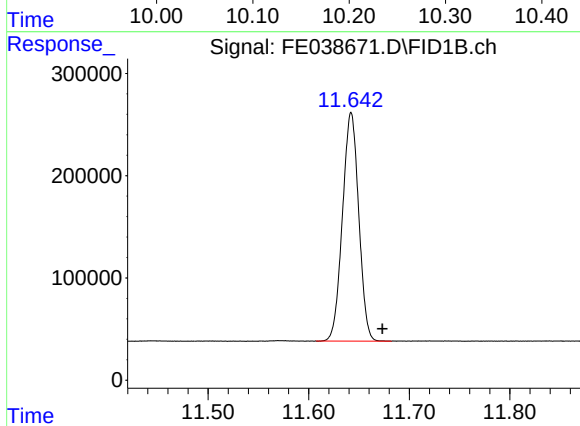
#6 n-Tetradecane (C14)

R.T.: 8.595 min
Delta R.T.: -0.030 min
Response: 2554478
Conc: 16.33 ug/ml



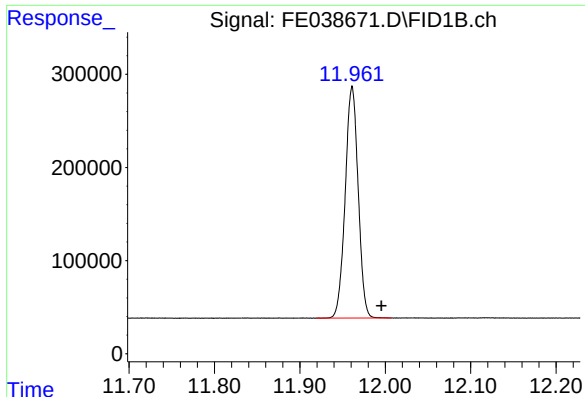
#7 n-Hexadecane (C16)

R.T.: 10.201 min
Delta R.T.: -0.030 min
Response: 2540710
Conc: 16.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.642 min
Delta R.T.: -0.031 min
Response: 2514016
Conc: 15.69 ug/ml



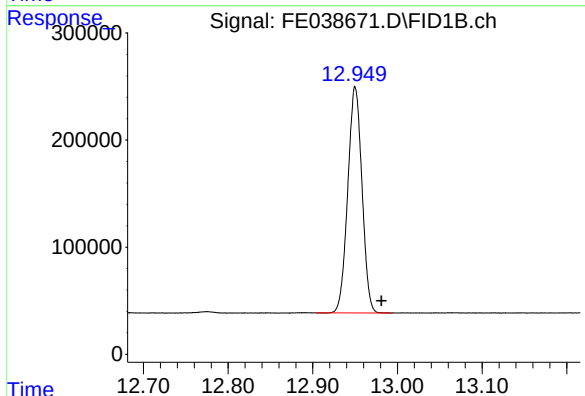
#9 ortho-Terphenyl (SURR)

R.T.: 11.961 min
Delta R.T.: -0.034 min
Response: 2622994
Conc: 15.24 ug/ml

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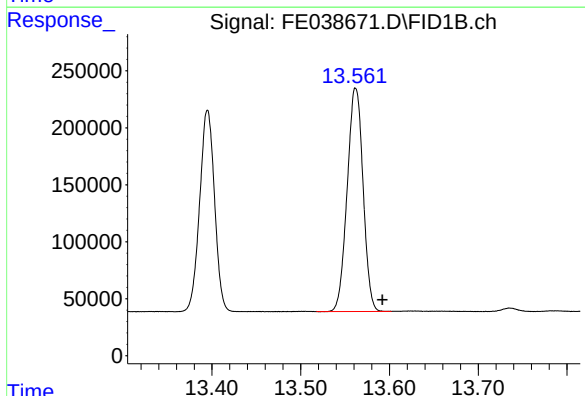
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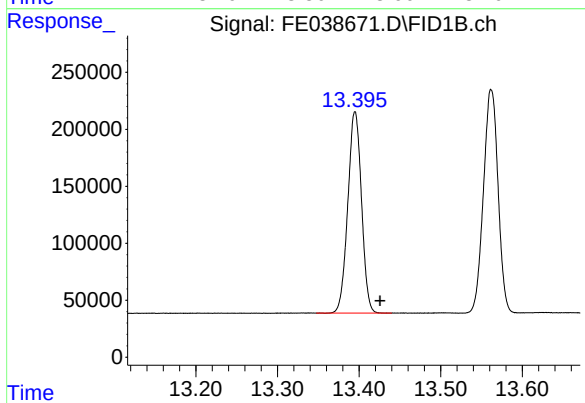
#10 n-Eicosane (C20)

R.T.: 12.950 min
Delta R.T.: -0.031 min
Response: 2464805
Conc: 15.30 ug/ml



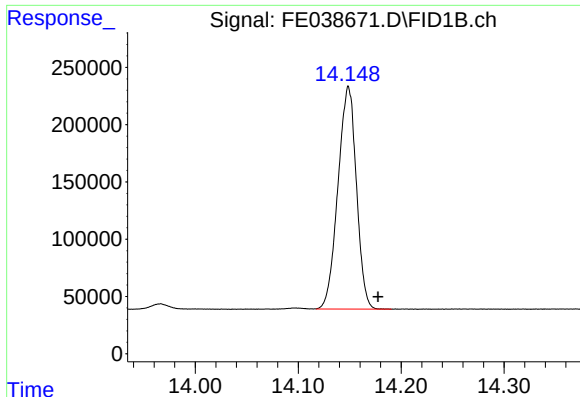
#11 n-Heneicosane (C21)

R.T.: 13.562 min
Delta R.T.: -0.030 min
Response: 2437680
Conc: 15.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.395 min
Delta R.T.: -0.031 min
Response: 2059184
Conc: 15.04 ug/ml



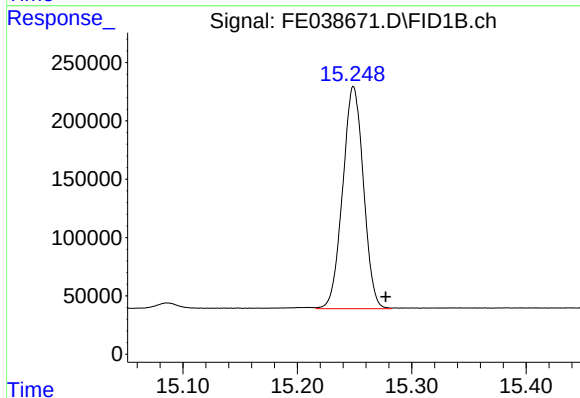
#13 n-Docosane (C22)

R.T.: 14.149 min
Delta R.T.: -0.029 min
Response: 2421898
Conc: 15.00 ug/ml

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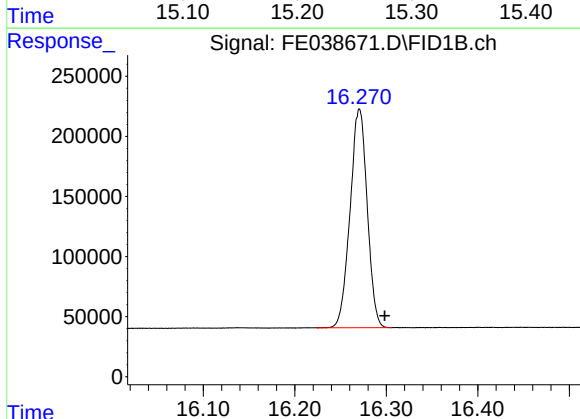
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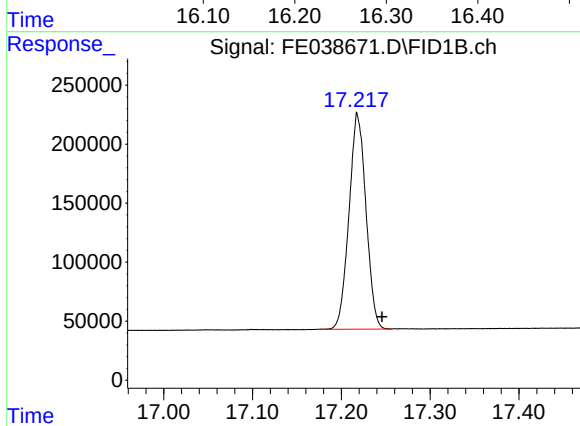
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: -0.029 min
Response: 2408435
Conc: 15.02 ug/ml m



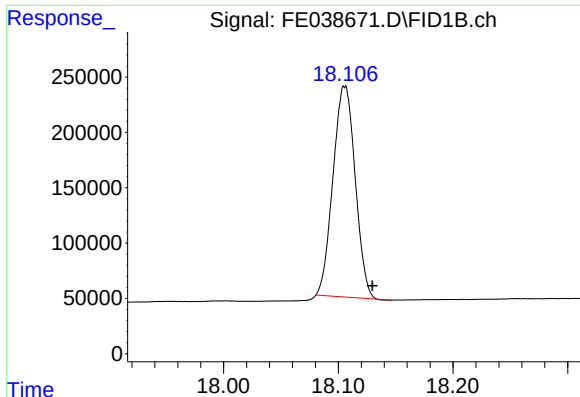
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.027 min
Response: 2371144
Conc: 14.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.218 min
Delta R.T.: -0.028 min
Response: 2428614
Conc: 15.48 ug/ml



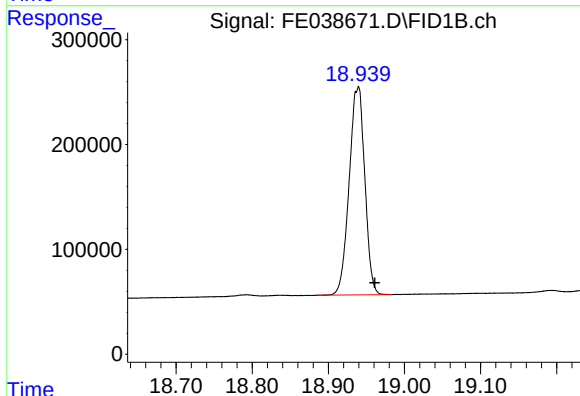
#17 n-Tricontane (C30)

R.T.: 18.106 min
Delta R.T.: -0.024 min
Response: 2563277
Conc: 16.06 ug/ml

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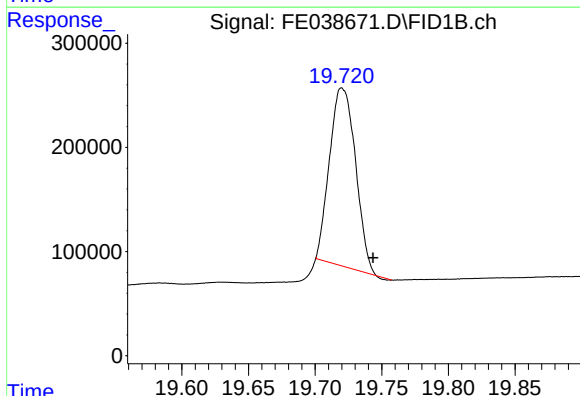
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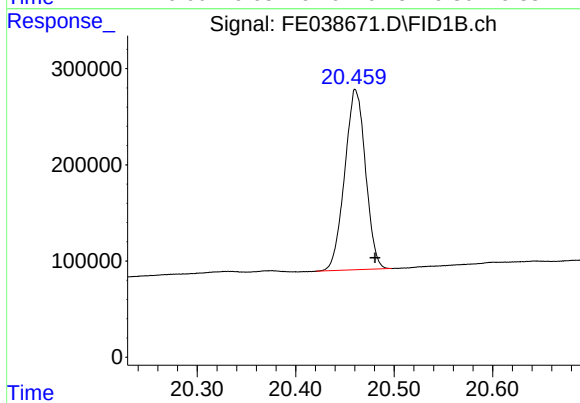
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: -0.022 min
Response: 2832971
Conc: 17.97 ug/ml



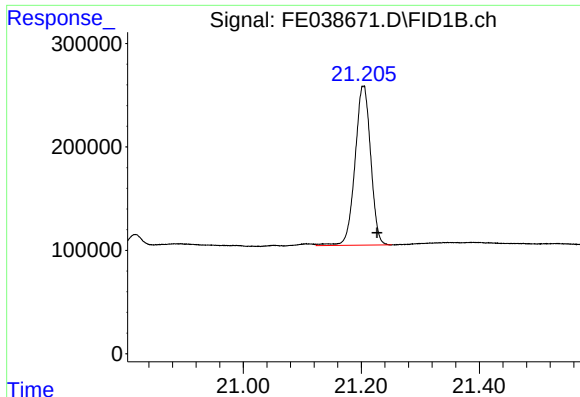
#19 n-Tetratriacontane (C34)

R.T.: 19.720 min
Delta R.T.: -0.023 min
Response: 2320388
Conc: 15.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.461 min
Delta R.T.: -0.020 min
Response: 2747166
Conc: 19.23 ug/ml



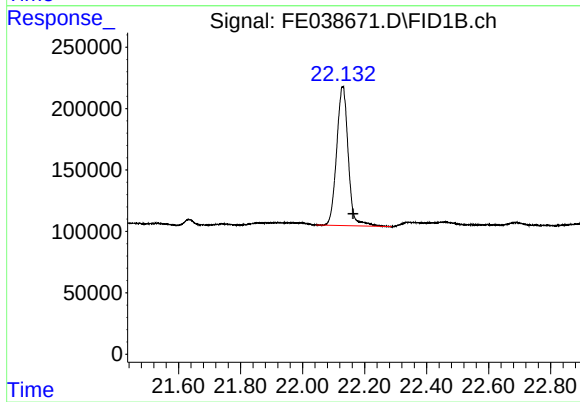
#21 n-Octatriacontane (C38)

R.T.: 21.204 min
Delta R.T.: -0.023 min
Response: 2833895
Conc: 20.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.130 min
Delta R.T.: -0.032 min
Response: 2929791
Conc: 23.21 ug/ml