

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051023AL\
 Data File : FE041833.D
 Signal(s) : FID1B.ch
 Acq On : 10 May 2023 11:05
 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 05/11/2023
 Supervised By :Ankita Jodhani 05/11/2023

Integration File: autoint1.e
 Quant Time: May 11 01:04:06 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)	11.968	3320040	17.697 ug/ml
Spiked Amount 50.000		Recovery =	35.39%
12) S 1-chlorooctadecane (S...	13.404	2455512	17.382 ug/ml
Spiked Amount 50.000		Recovery =	34.76%
Target Compounds			
1) T n-Nonane (C9)	3.348	2564512	17.446 ug/ml
2) T n-Decane (C10)	4.601	2680607	17.873 ug/ml
3) T A~Naphthalene (C11.7)	6.306	2947508	17.811 ug/ml
4) T n-Dodecane (C12)	6.769	2708158	17.812 ug/ml
5) T A~2-methylnaphthalene...	7.403	2884149	17.887 ug/ml
6) T n-Tetradecane (C14)	8.598	2721663	17.917 ug/ml
7) T n-Hexadecane (C16)	10.206	2854415	17.887 ug/ml
8) T n-Octadecane (C18)	11.649	2931439	17.884 ug/ml
10) T n-Eicosane (C20)	12.959	2836849	17.637 ug/ml
11) T n-Heneicosane (C21)	13.571	2793901	17.531 ug/ml
13) T n-Docosane (C22)	14.158	2788906	17.504 ug/ml
14) T n-Tetracosane (C24)	15.261	2802712	17.384 ug/ml
15) T n-Hexacosane (C26)	16.282	2733223	17.288 ug/ml
16) T n-Octacosane (C28)	17.232	2732131	17.756 ug/ml
17) T n-Tricontane (C30)	18.120	2878393	18.899 ug/ml
18) T n-Dotriacontane (C32)	18.951	2840243	19.065 ug/ml
19) T n-Tetratriacontane (C34)	19.735	2670236	18.954 ug/ml
20) T n-Hexatriacontane (C36)	20.474	2502375	18.712 ug/mlm
21) T n-Octatriacontane (C38)	21.224	2420914	18.322 ug/ml
22) T n-Tetracontane (C40)	22.163	2367351	18.698 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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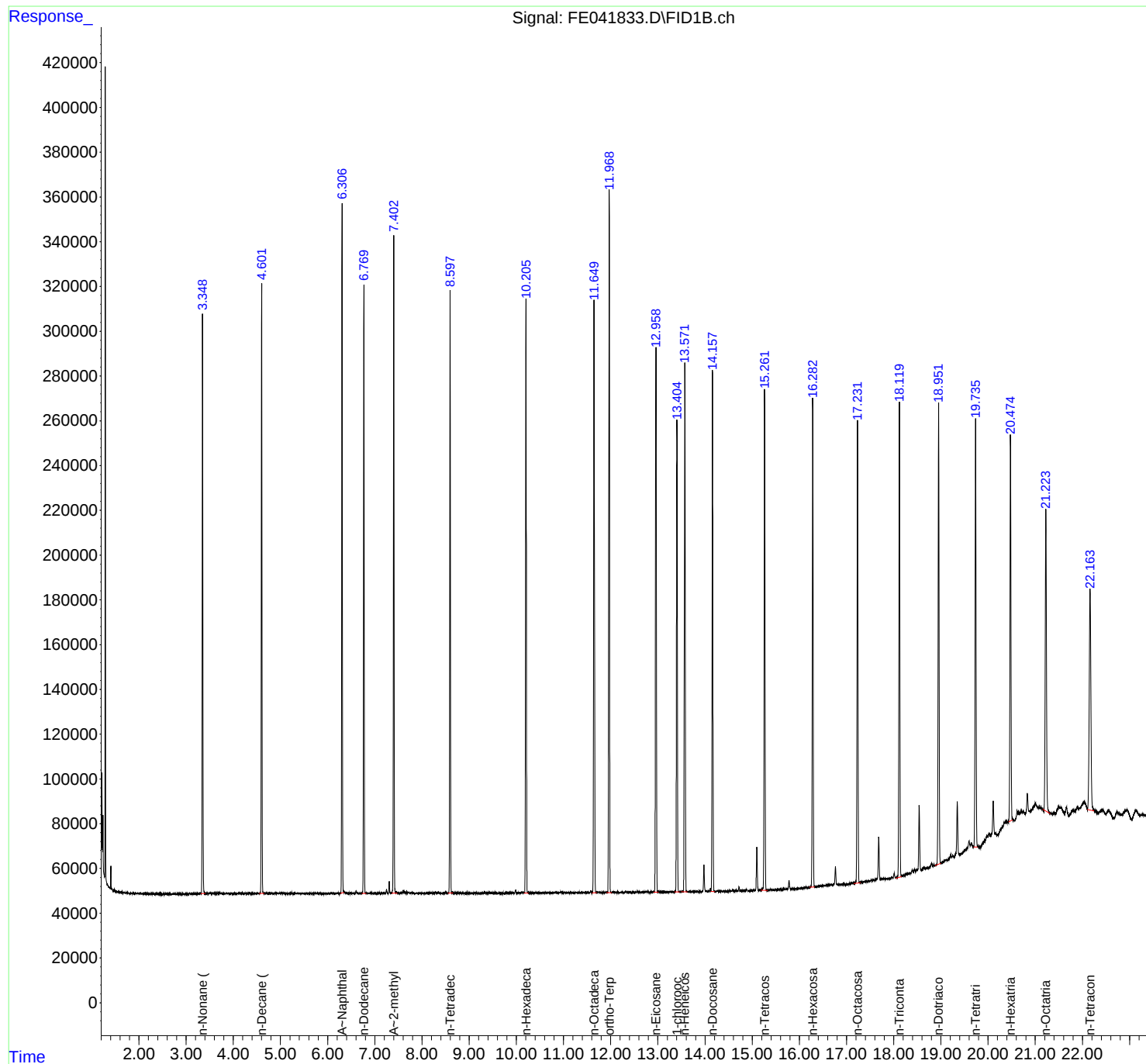
Instrument :
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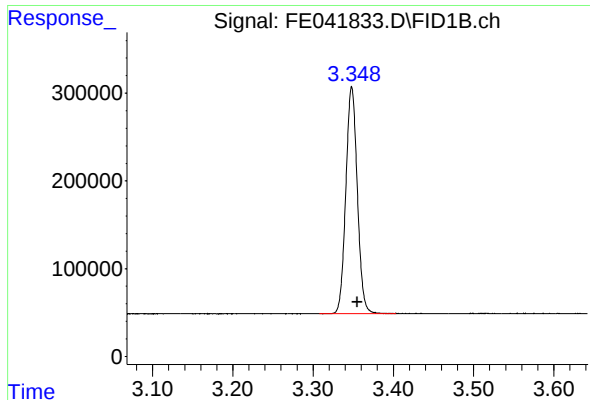
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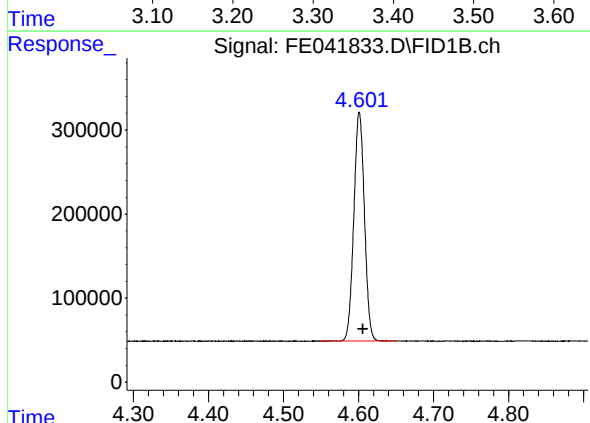
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.007 min
Response: 2564512
Conc: 17.45 ug/ml

Instrument : FID_E
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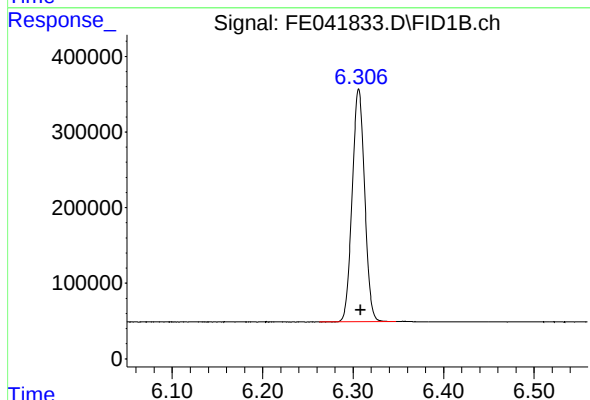
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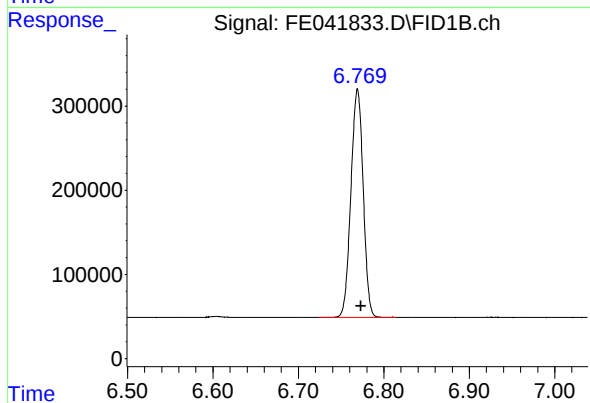
#2 n-Decane (C10)

R.T.: 4.601 min
Delta R.T.: -0.005 min
Response: 2680607
Conc: 17.87 ug/ml



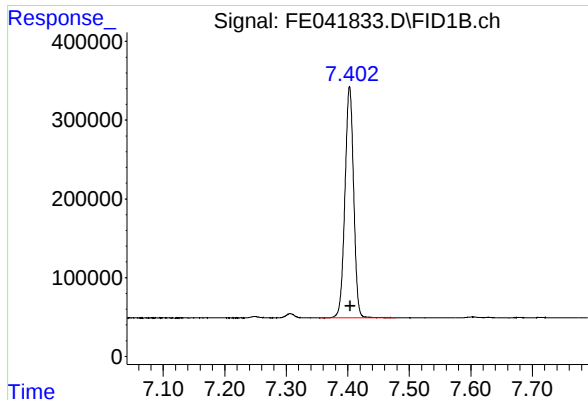
#3 A~Naphthalene (C11.7)

R.T.: 6.306 min
Delta R.T.: -0.002 min
Response: 2947508
Conc: 17.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.769 min
Delta R.T.: -0.004 min
Response: 2708158
Conc: 17.81 ug/ml



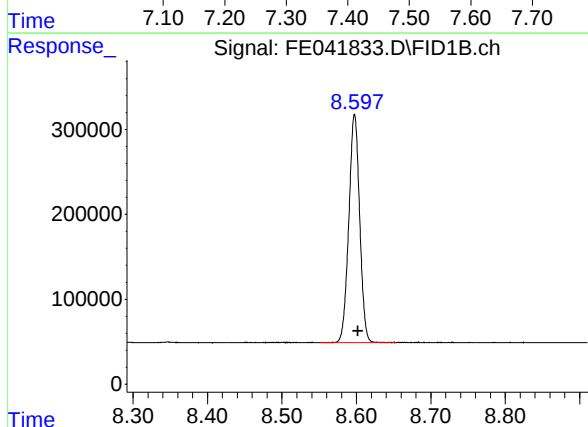
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.403 min
Delta R.T.: -0.001 min
Response: 2884149
Conc: 17.89 ug/ml

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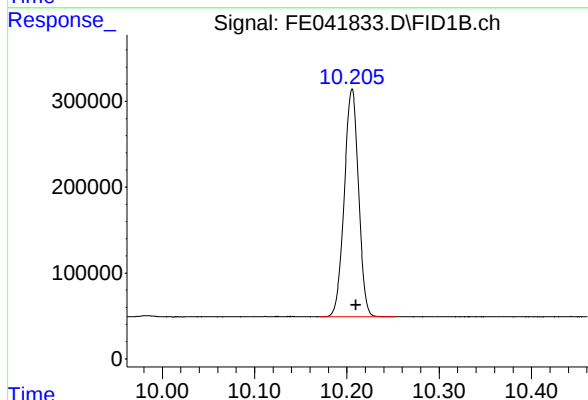
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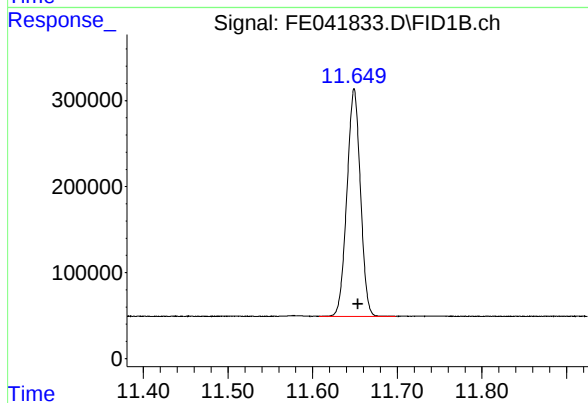
#6 n-Tetradecane (C14)

R.T.: 8.598 min
Delta R.T.: -0.005 min
Response: 2721663
Conc: 17.92 ug/ml



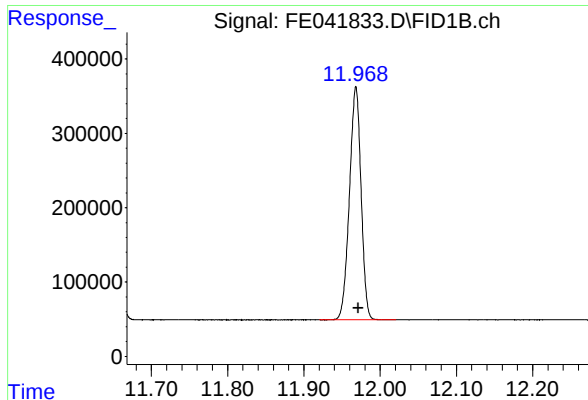
#7 n-Hexadecane (C16)

R.T.: 10.206 min
Delta R.T.: -0.004 min
Response: 2854415
Conc: 17.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.649 min
Delta R.T.: -0.005 min
Response: 2931439
Conc: 17.88 ug/ml



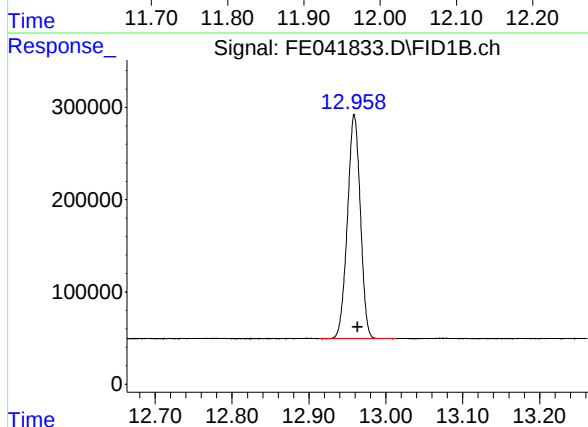
#9 ortho-Terphenyl (SURR)

R.T.: 11.968 min
Delta R.T.: -0.003 min
Response: 3320040
Conc: 17.70 ug/ml

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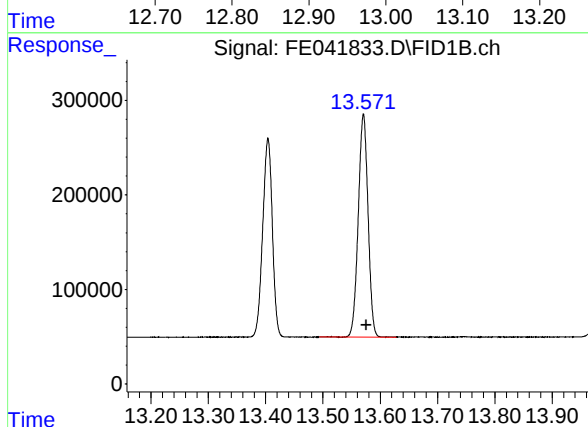
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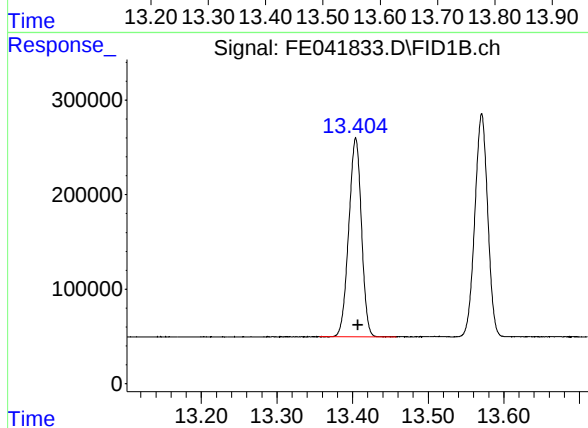
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: -0.005 min
Response: 2836849
Conc: 17.64 ug/ml



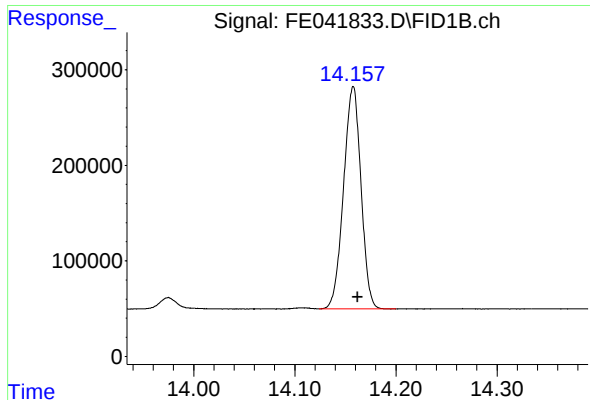
#11 n-Heneicosane (C21)

R.T.: 13.571 min
Delta R.T.: -0.005 min
Response: 2793901
Conc: 17.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.404 min
Delta R.T.: -0.003 min
Response: 2455512
Conc: 17.38 ug/ml



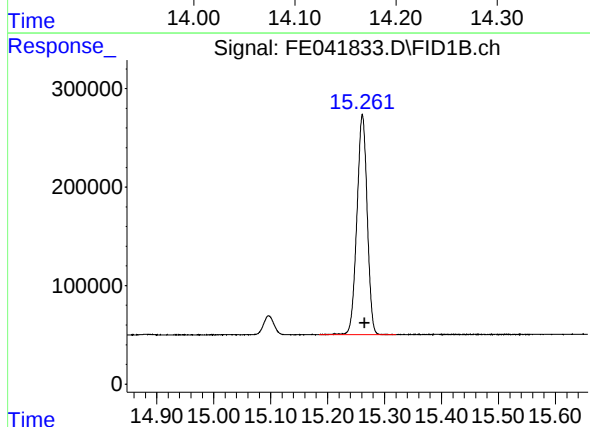
#13 n-Docosane (C22)

R.T.: 14.158 min
Delta R.T.: -0.004 min
Response: 2788906
Conc: 17.50 ug/ml

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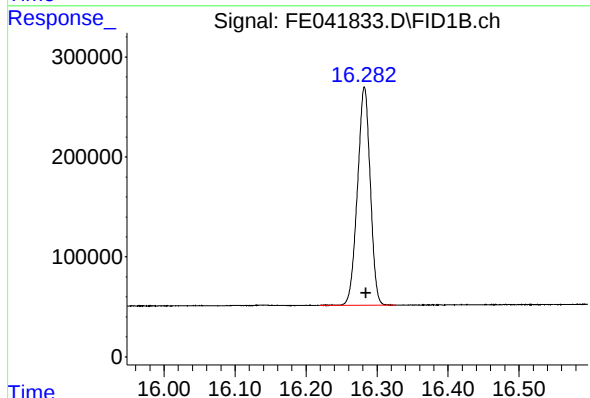
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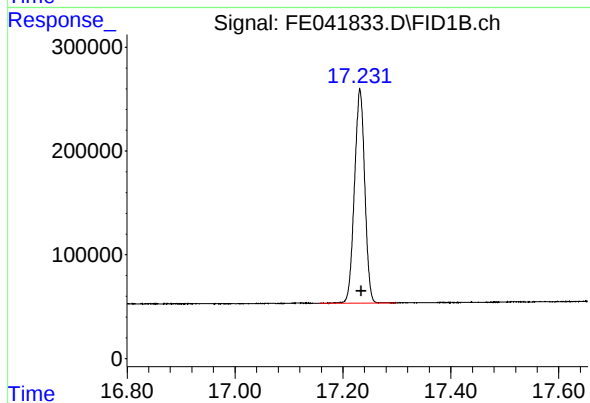
#14 n-Tetracosane (C24)

R.T.: 15.261 min
Delta R.T.: -0.004 min
Response: 2802712
Conc: 17.38 ug/ml



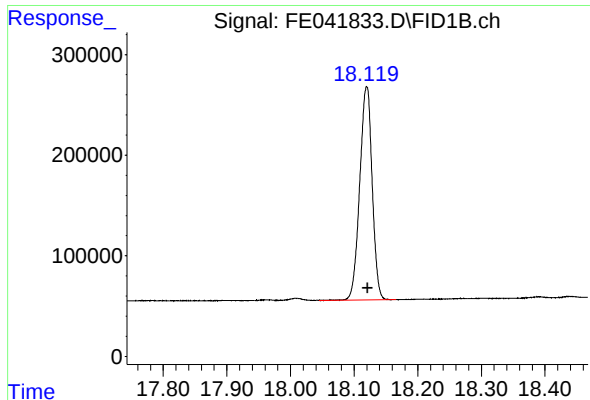
#15 n-Hexacosane (C26)

R.T.: 16.282 min
Delta R.T.: -0.002 min
Response: 2733223
Conc: 17.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.232 min
Delta R.T.: -0.002 min
Response: 2732131
Conc: 17.76 ug/ml



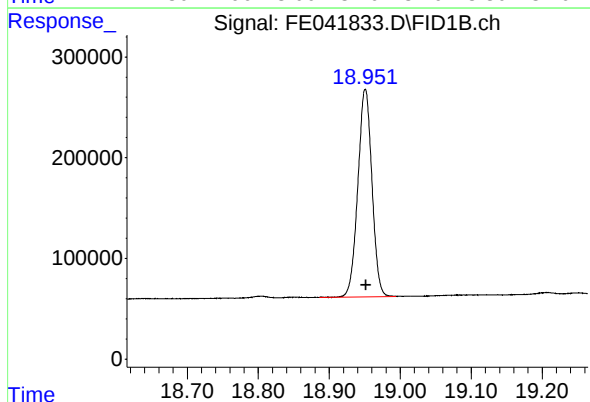
#17 n-Tricontane (C30)

R.T.: 18.120 min
Delta R.T.: -0.002 min
Response: 2878393
Conc: 18.90 ug/ml

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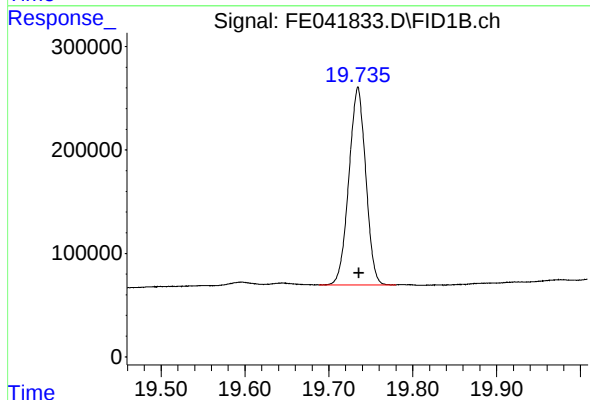
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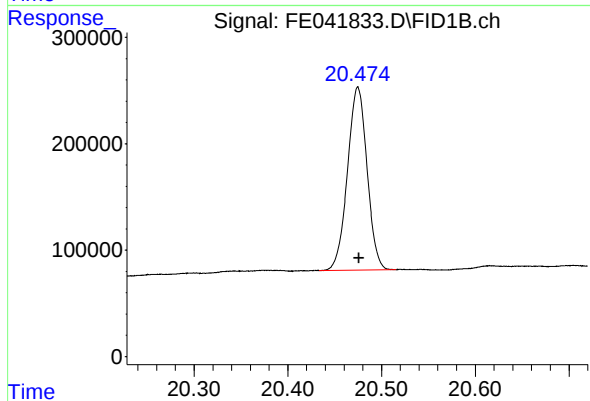
#18 n-Dotriacontane (C32)

R.T.: 18.951 min
Delta R.T.: -0.001 min
Response: 2840243
Conc: 19.06 ug/ml



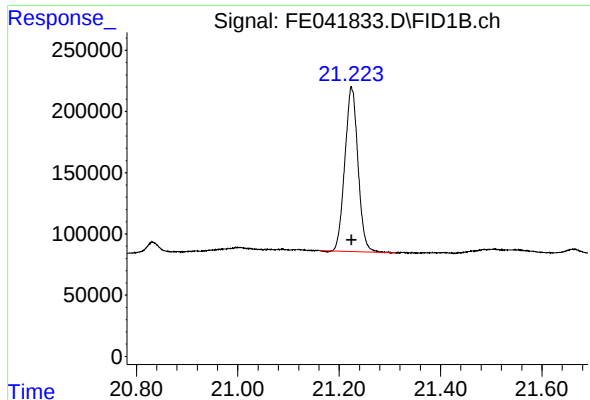
#19 n-Tetatriacontane (C34)

R.T.: 19.735 min
Delta R.T.: -0.001 min
Response: 2670236
Conc: 18.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.474 min
Delta R.T.: -0.002 min
Response: 2502375
Conc: 18.71 ug/ml m



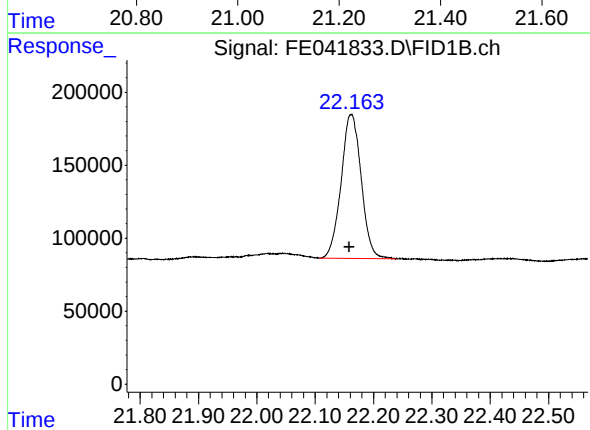
#21 n-Octatriacontane (C38)

R.T.: 21.224 min
Delta R.T.: 0.000 min
Response: 2420914
Conc: 18.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.163 min
Delta R.T.: 0.004 min
Response: 2367351
Conc: 18.70 ug/ml m