

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102522AL\
 Data File : FD044233.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2022 11:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/26/2022
 Supervised By :Ankita Jodhani 10/27/2022

Integration File: autoint1.e
 Quant Time: Oct 26 03:59:52 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 100522.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 06 01:41:44 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)	11.297	3175905	20.177 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
12) S 1-chlorooctadecane (S...	12.714	2487115	19.776 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
Target Compounds			
1) T n-Nonane (C9)	3.130	2700724	20.002 ug/ml
2) T n-Decane (C10)	4.180	2744184	20.425 ug/ml
3) T A~Naphthalene (C11.7)	5.752	2757629	20.639 ug/mlm
4) T n-Dodecane (C12)	6.178	2826449	20.341 ug/ml
5) T A~2-methylnaphthalene...	6.798	2813472	21.637 ug/mlm
6) T n-Tetradecane (C14)	7.958	2855893	20.513 ug/ml
7) T n-Hexadecane (C16)	9.545	2920094	20.702 ug/ml
8) T n-Octadecane (C18)	10.975	2973067	20.446 ug/ml
10) T n-Eicosane (C20)	12.274	2984462	20.126 ug/ml
11) T n-Heneicosane (C21)	12.880	2968106	19.783 ug/ml
13) T n-Docosane (C22)	13.461	3022626	20.104 ug/ml
14) T n-Tetracosane (C24)	14.553	2955067	19.579 ug/ml
15) T n-Hexacosane (C26)	15.562	2851612	18.834 ug/ml
16) T n-Octacosane (C28)	16.504	2751417	18.263 ug/ml
17) T n-Tricontane (C30)	17.381	2758186	17.995 ug/ml
18) T n-Dotriacontane (C32)	18.204	2709286	17.667 ug/ml
19) T n-Tetratriacontane (C34)	18.978	2535688	17.224 ug/ml
20) T n-Hexatriacontane (C36)	19.709	2479753	16.913 ug/ml
21) T n-Octatriacontane (C38)	20.400	2425939	17.389 ug/mlm
22) T n-Tetracontane (C40)	21.158	2373560	18.250 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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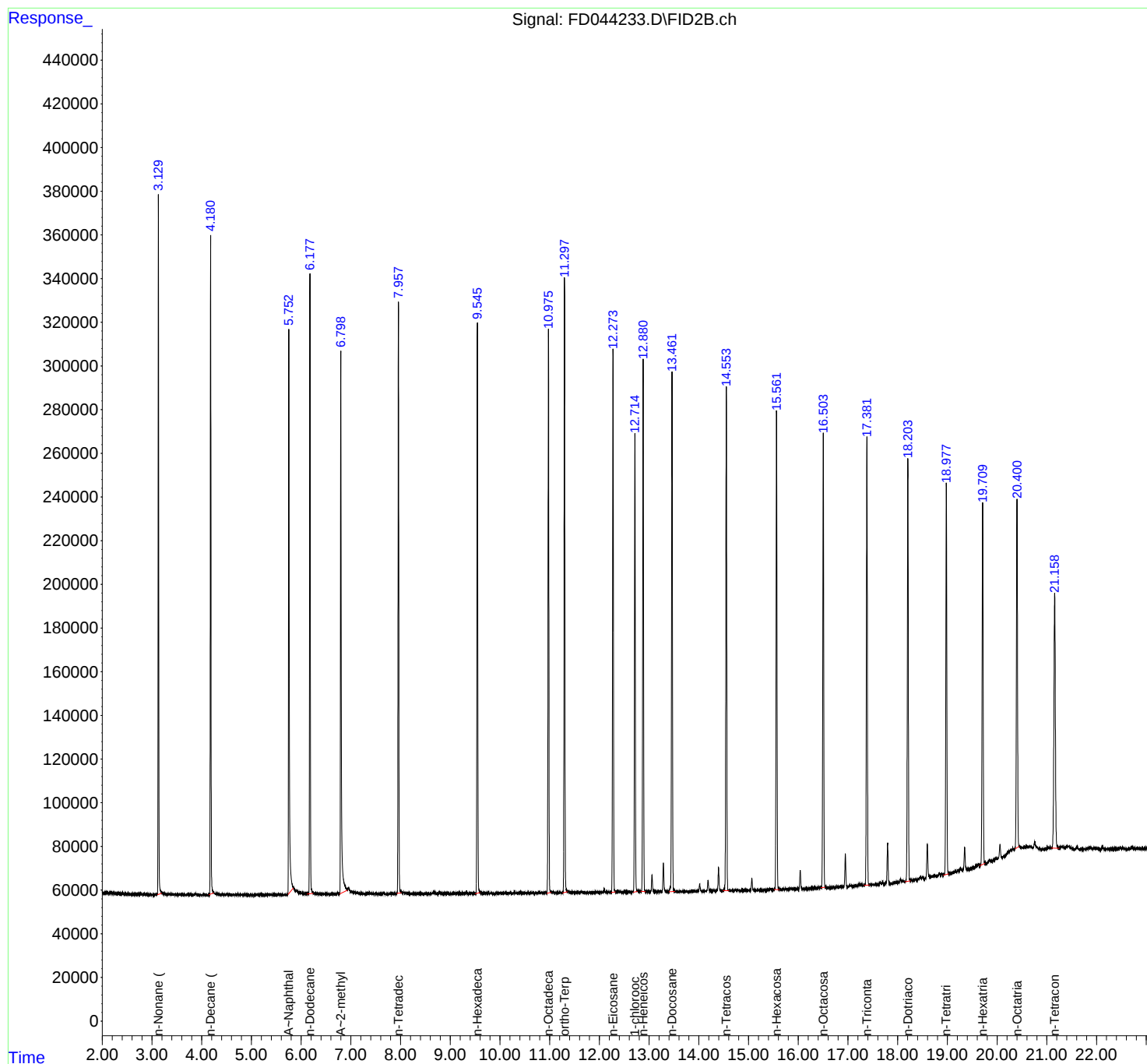
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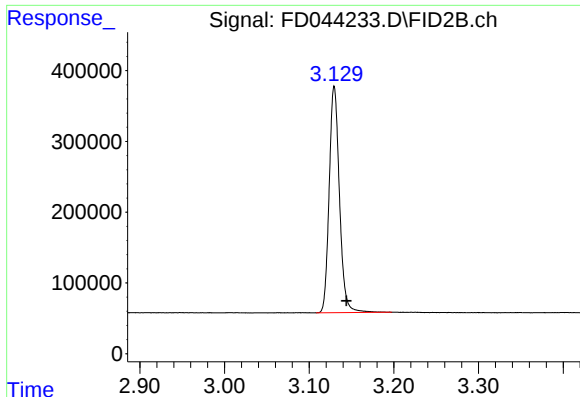
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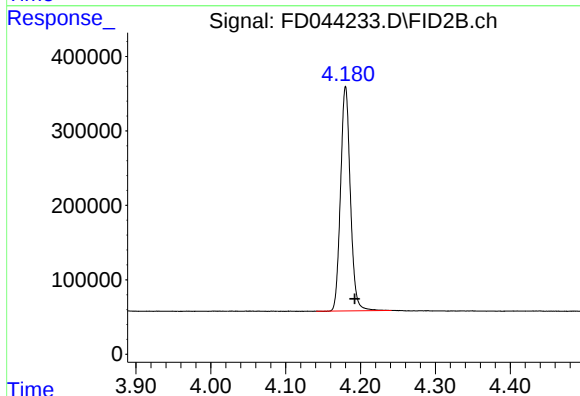
#1 n-Nonane (C9)

R.T.: 3.130 min
Delta R.T.: -0.014 min
Response: 2700724
Conc: 20.00 ug/ml

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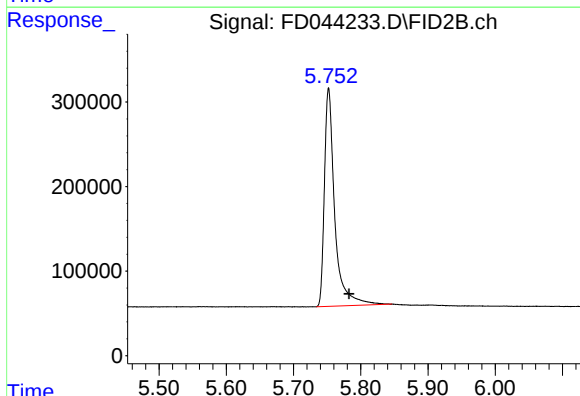
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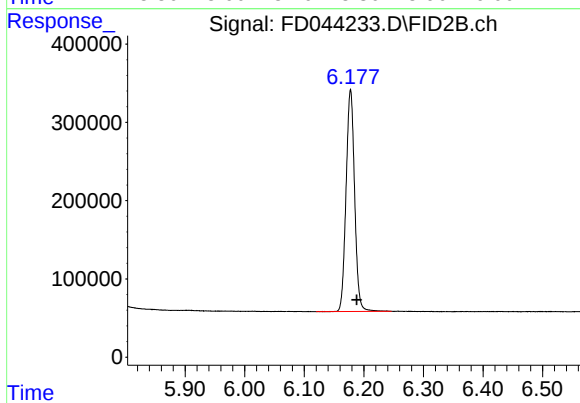
#2 n-Decane (C10)

R.T.: 4.180 min
Delta R.T.: -0.012 min
Response: 2744184
Conc: 20.43 ug/ml



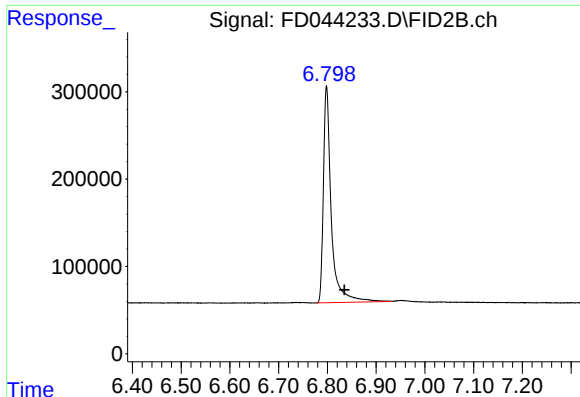
#3 A~Naphthalene (C11.7)

R.T.: 5.752 min
Delta R.T.: -0.031 min
Response: 2757629
Conc: 20.64 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.178 min
Delta R.T.: -0.010 min
Response: 2826449
Conc: 20.34 ug/ml



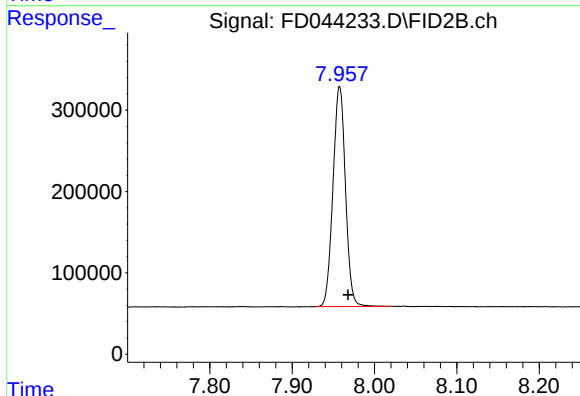
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.798 min
Delta R.T.: -0.037 min
Response: 2813472
Conc: 21.64 ug/ml

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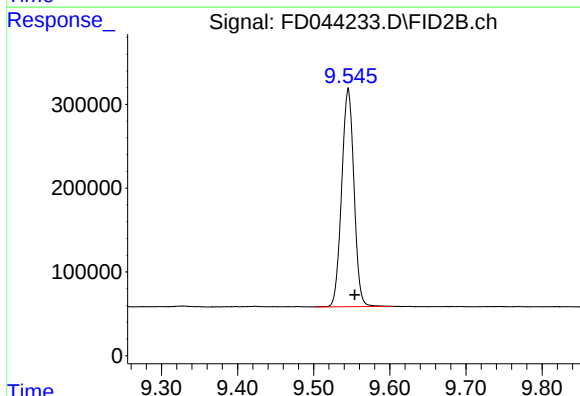
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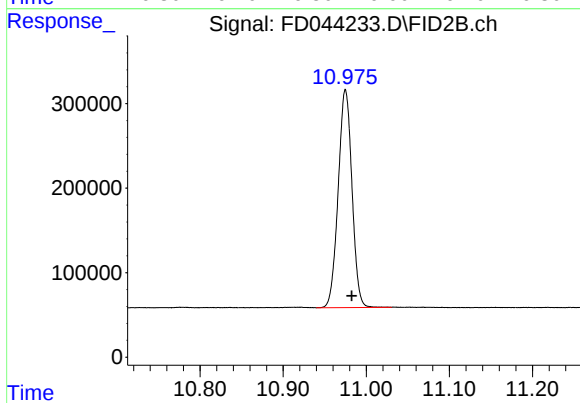
#6 n-Tetradecane (C14)

R.T.: 7.958 min
Delta R.T.: -0.010 min
Response: 2855893
Conc: 20.51 ug/ml



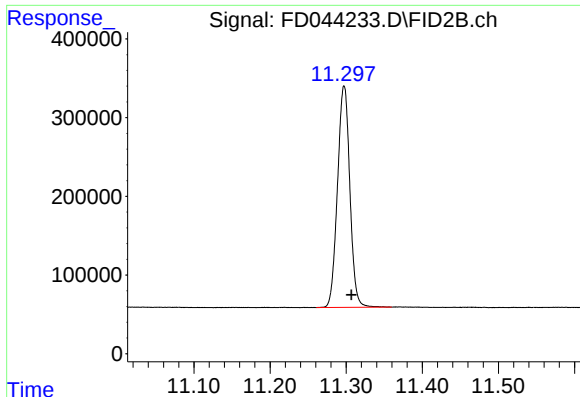
#7 n-Hexadecane (C16)

R.T.: 9.545 min
Delta R.T.: -0.009 min
Response: 2920094
Conc: 20.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.975 min
Delta R.T.: -0.008 min
Response: 2973067
Conc: 20.45 ug/ml



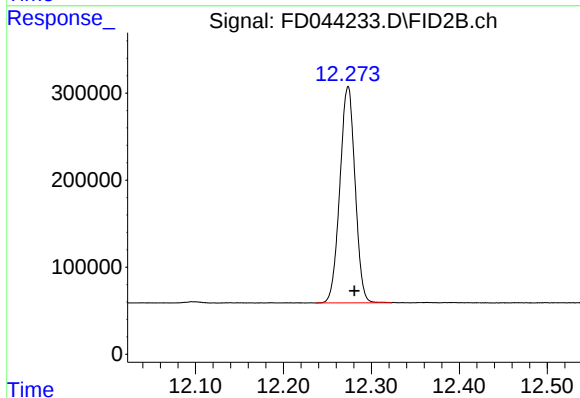
#9 ortho-Terphenyl (SURR)

R.T.: 11.297 min
Delta R.T.: -0.009 min
Response: 3175905
Conc: 20.18 ug/ml

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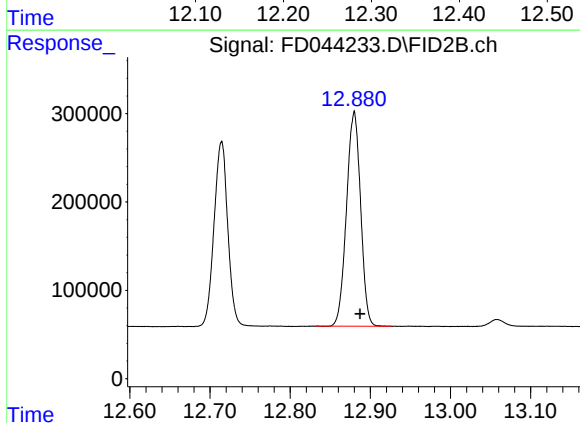
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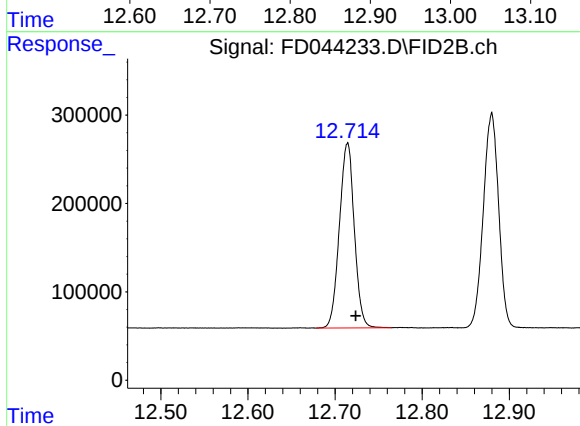
#10 n-Eicosane (C20)

R.T.: 12.274 min
Delta R.T.: -0.007 min
Response: 2984462
Conc: 20.13 ug/ml



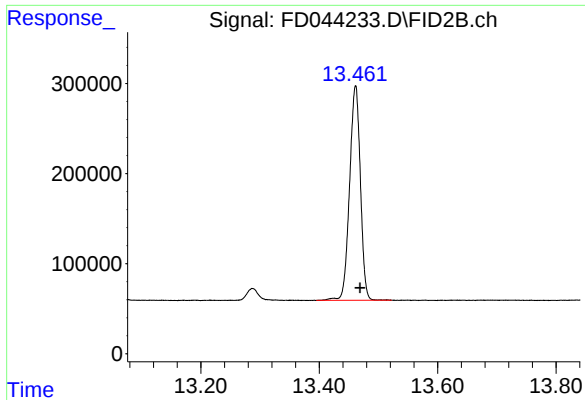
#11 n-Heneicosane (C21)

R.T.: 12.880 min
Delta R.T.: -0.007 min
Response: 2968106
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.714 min
Delta R.T.: -0.009 min
Response: 2487115
Conc: 19.78 ug/ml



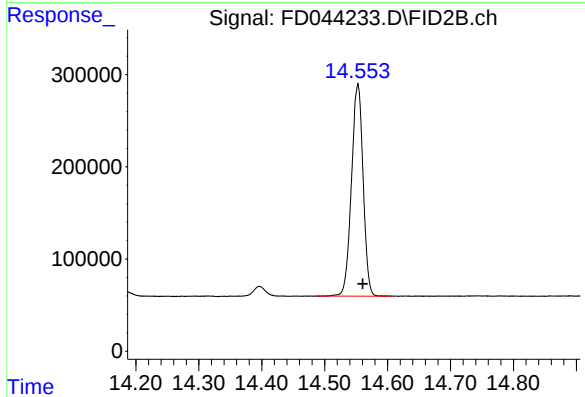
#13 n-Docosane (C22)

R.T.: 13.461 min
Delta R.T.: -0.007 min
Response: 3022626
Conc: 20.10 ug/ml

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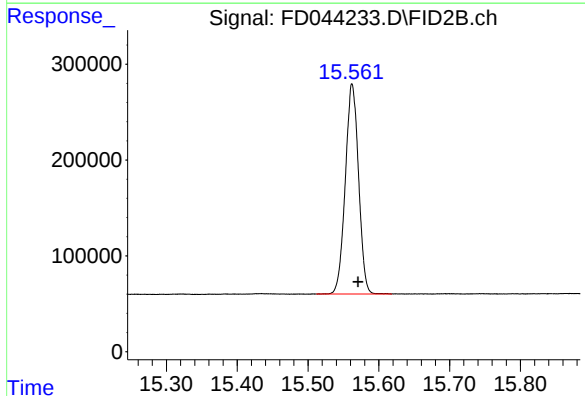
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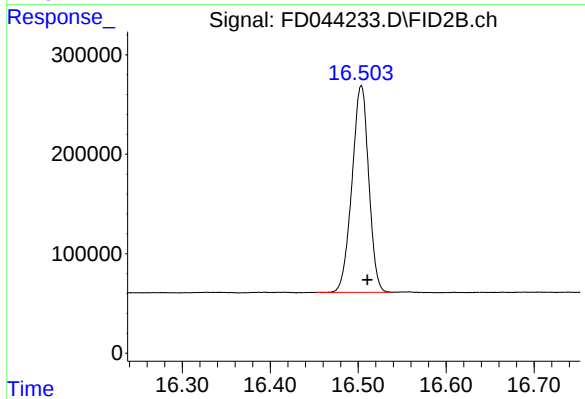
#14 n-Tetracosane (C24)

R.T.: 14.553 min
Delta R.T.: -0.008 min
Response: 2955067
Conc: 19.58 ug/ml



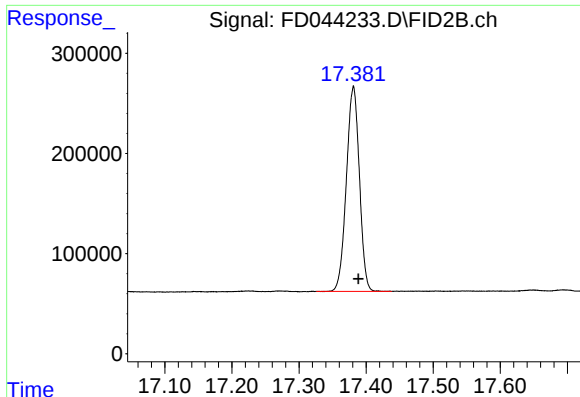
#15 n-Hexacosane (C26)

R.T.: 15.562 min
Delta R.T.: -0.008 min
Response: 2851612
Conc: 18.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.504 min
Delta R.T.: -0.007 min
Response: 2751417
Conc: 18.26 ug/ml



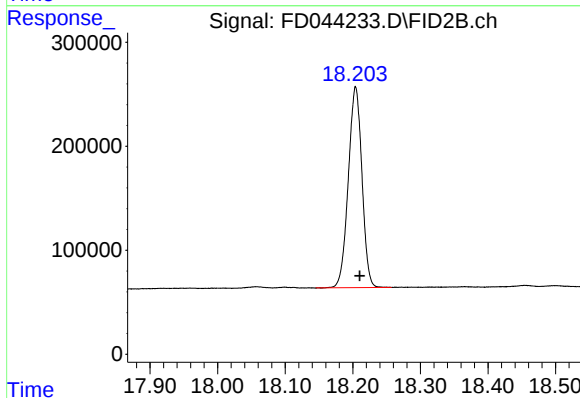
#17 n-Tricontane (C30)

R.T.: 17.381 min
Delta R.T.: -0.008 min
Response: 2758186
Conc: 18.00 ug/ml

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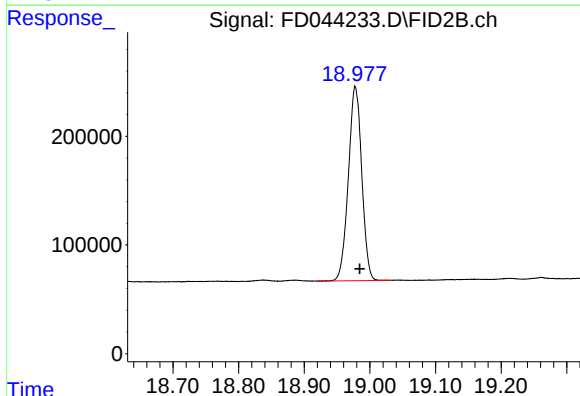
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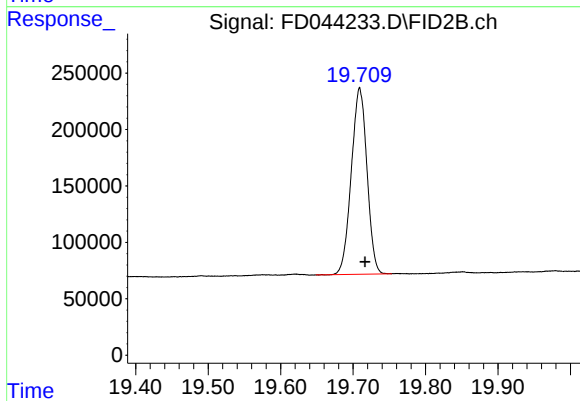
#18 n-Dotriacontane (C32)

R.T.: 18.204 min
Delta R.T.: -0.006 min
Response: 2709286
Conc: 17.67 ug/ml



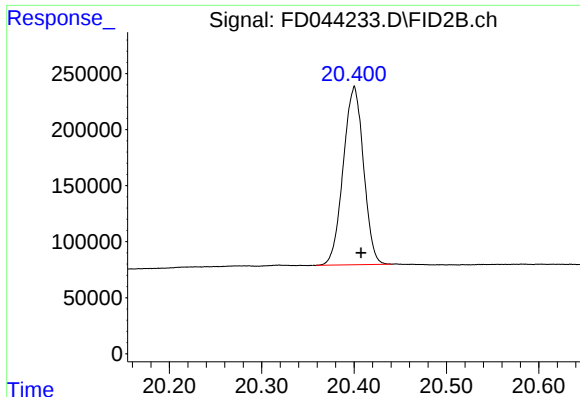
#19 n-Tetratriacontane (C34)

R.T.: 18.978 min
Delta R.T.: -0.007 min
Response: 2535688
Conc: 17.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.709 min
Delta R.T.: -0.007 min
Response: 2479753
Conc: 16.91 ug/ml



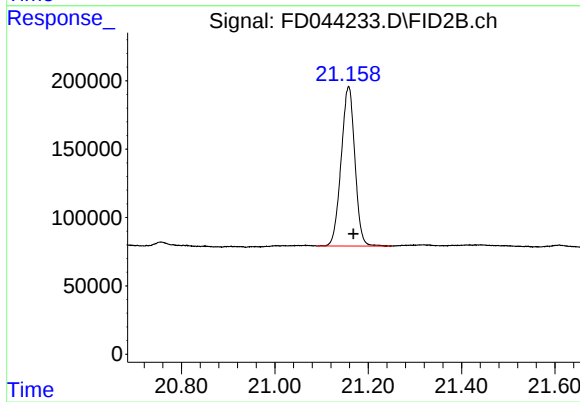
#21 n-Octatriacontane (C38)

R.T.: 20.400 min
Delta R.T.: -0.008 min
Response: 2425939
Conc: 17.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.158 min
Delta R.T.: -0.010 min
Response: 2373560
Conc: 18.25 ug/ml