

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102022AL\
 Data File : FE038251.D
 Signal(s) : FID1B.ch
 Acq On : 21 Oct 2022 00:09
 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 10/21/2022
 Supervised By :Ankita Jodhani 10/21/2022

Integration File: autoint1.e
 Quant Time: Oct 21 04:07:30 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092822.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 28 06:23:29 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)	11.601	3123140	18.057 ug/ml
Spiked Amount 50.000		Recovery =	36.11%
12) S 1-chlorooctadecane (S...	13.024	2432621	17.998 ug/ml
Spiked Amount 50.000		Recovery =	36.00%
Target Compounds			
1) T n-Nonane (C9)	2.992	2990595	20.305 ug/ml
2) T n-Decane (C10)	4.250	3085596	20.870 ug/ml
3) T A~Naphthalene (C11.7)	5.973	2904855	21.212 ug/ml
4) T n-Dodecane (C12)	6.424	3148203	20.660 ug/ml
5) T A~2-methylnaphthalene...	7.068	2772275	20.859 ug/ml
6) T n-Tetradecane (C14)	8.243	3113968	20.346 ug/ml
7) T n-Hexadecane (C16)	9.843	3093426	19.804 ug/ml
8) T n-Octadecane (C18)	11.277	3049101	19.009 ug/ml
10) T n-Eicosane (C20)	12.579	2970311	18.215 ug/ml
11) T n-Heneicosane (C21)	13.189	2926426	17.761 ug/ml
13) T n-Docosane (C22)	13.772	2887313	17.540 ug/ml
14) T n-Tetracosane (C24)	14.868	2801999	17.085 ug/ml
15) T n-Hexacosane (C26)	15.885	2755200	16.897 ug/ml
16) T n-Octacosane (C28)	16.830	2751748	17.177 ug/ml
17) T n-Tricontane (C30)	17.714	2876338	17.974 ug/ml
18) T n-Dotriacontane (C32)	18.544	2961446	18.806 ug/mlm
19) T n-Tetratriacontane (C34)	19.322	2856175	19.278 ug/mlm
20) T n-Hexatriacontane (C36)	20.060	2988743	20.731 ug/ml
21) T n-Octatriacontane (C38)	20.759	3122255	23.008 ug/mlm
22) T n-Tetracontane (C40)	21.527	2913392	22.887 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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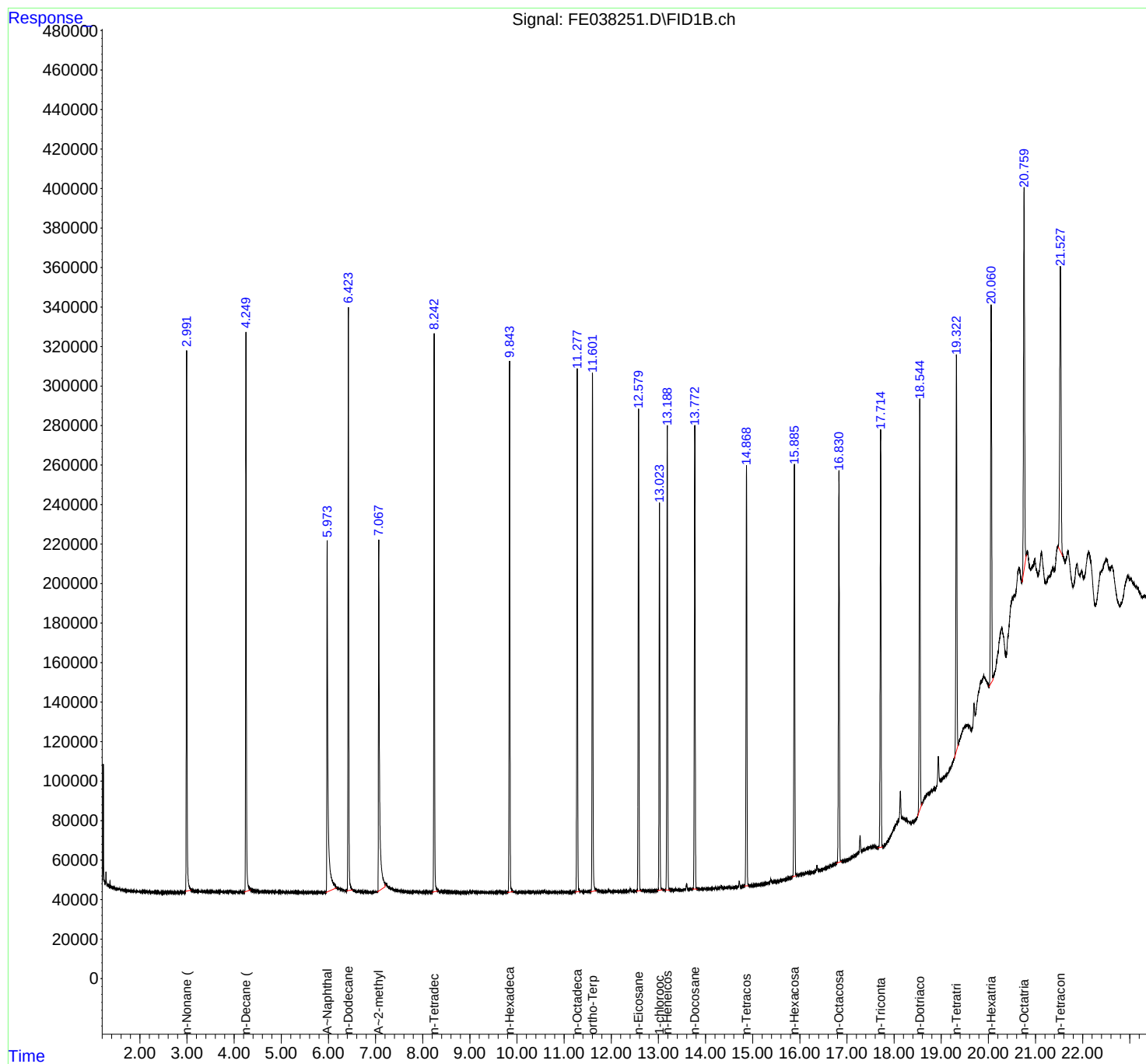
Instrument :
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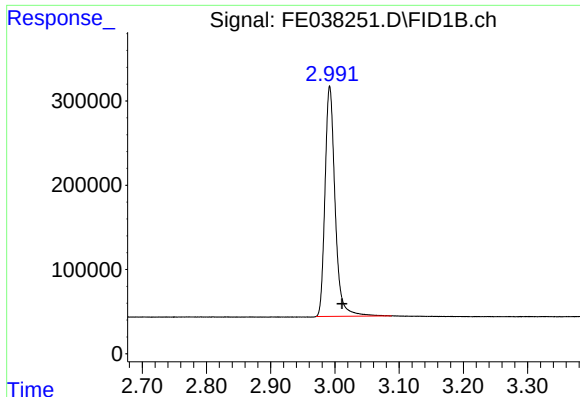
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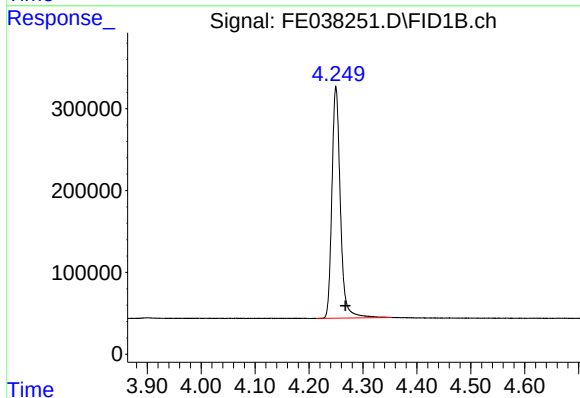
#1 n-Nonane (C9)

R.T.: 2.992 min
Delta R.T.: -0.019 min
Response: 2990595
Conc: 20.31 ug/ml

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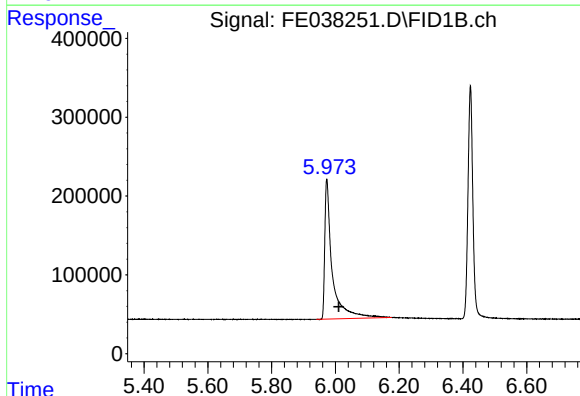
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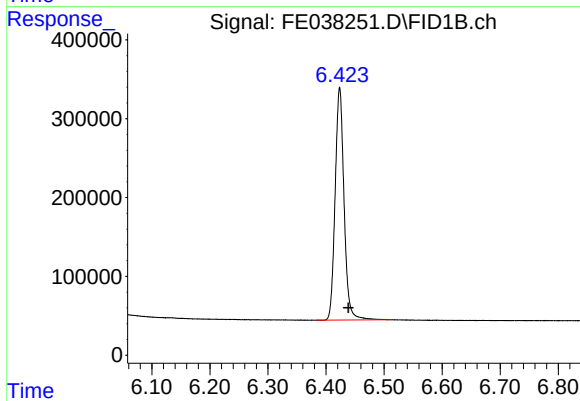
#2 n-Decane (C10)

R.T.: 4.250 min
Delta R.T.: -0.018 min
Response: 3085596
Conc: 20.87 ug/ml



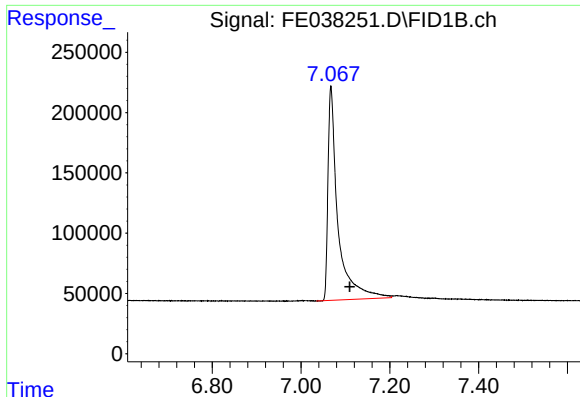
#3 A~Naphthalene (C11.7)

R.T.: 5.973 min
Delta R.T.: -0.038 min
Response: 2904855
Conc: 21.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.424 min
Delta R.T.: -0.015 min
Response: 3148203
Conc: 20.66 ug/ml



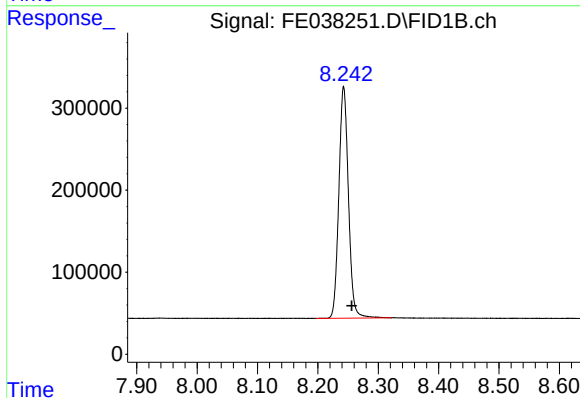
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.068 min
Delta R.T.: -0.042 min
Response: 2772275
Conc: 20.86 ug/ml

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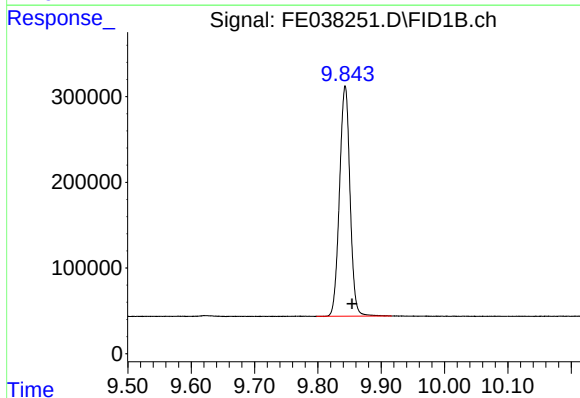
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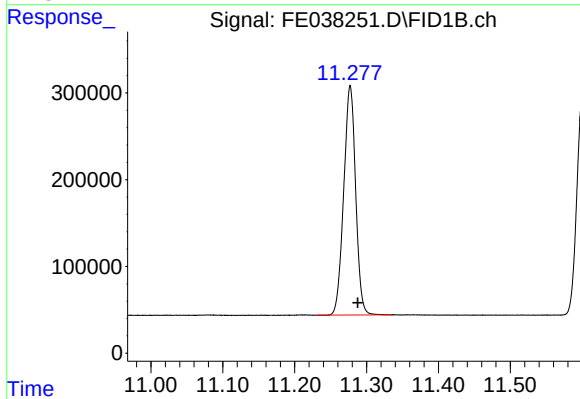
#6 n-Tetradecane (C14)

R.T.: 8.243 min
Delta R.T.: -0.013 min
Response: 3113968
Conc: 20.35 ug/ml



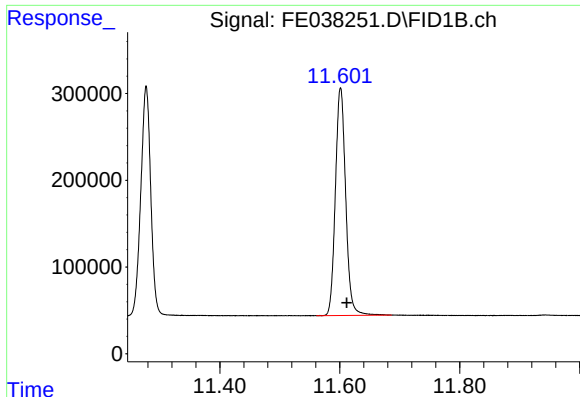
#7 n-Hexadecane (C16)

R.T.: 9.843 min
Delta R.T.: -0.011 min
Response: 3093426
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.277 min
Delta R.T.: -0.011 min
Response: 3049101
Conc: 19.01 ug/ml



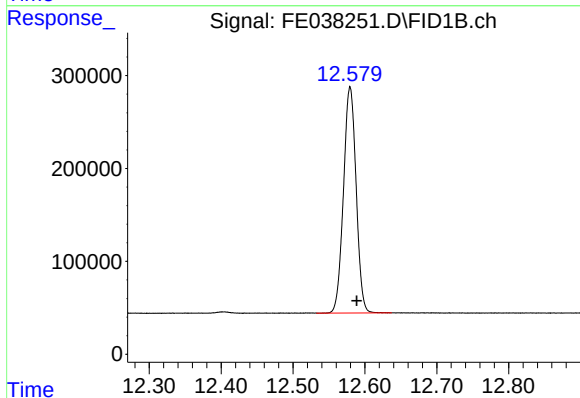
#9 ortho-Terphenyl (SURR)

R.T.: 11.601 min
Delta R.T.: -0.010 min
Response: 3123140
Conc: 18.06 ug/ml

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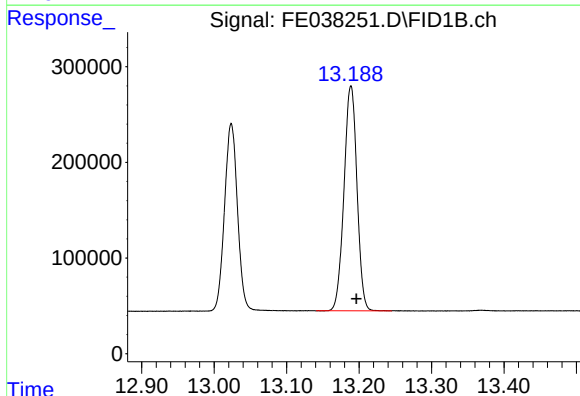
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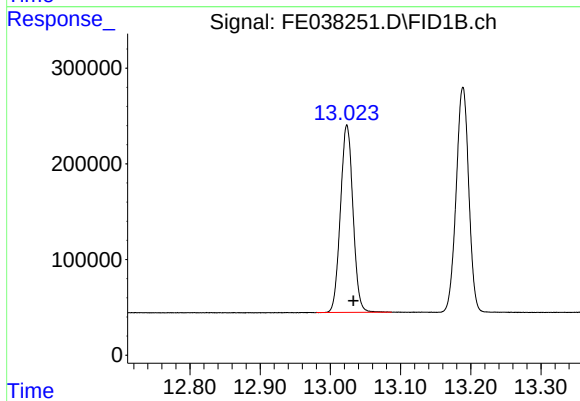
#10 n-Eicosane (C20)

R.T.: 12.579 min
Delta R.T.: -0.009 min
Response: 2970311
Conc: 18.21 ug/ml



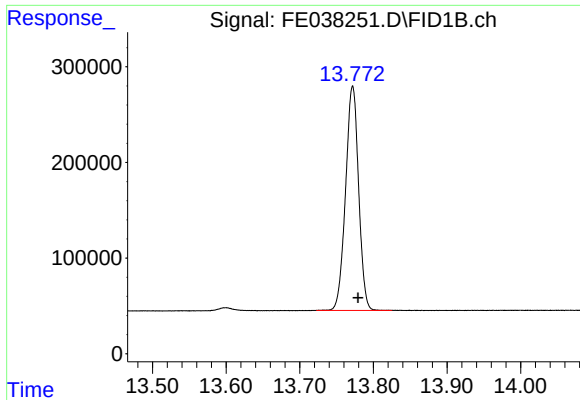
#11 n-Heneicosane (C21)

R.T.: 13.189 min
Delta R.T.: -0.007 min
Response: 2926426
Conc: 17.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.024 min
Delta R.T.: -0.009 min
Response: 2432621
Conc: 18.00 ug/ml



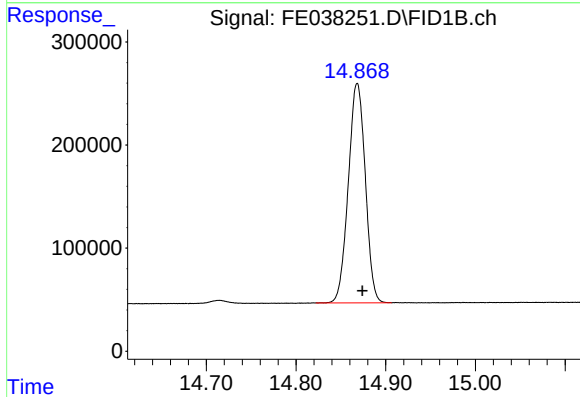
#13 n-Docosane (C22)

R.T.: 13.772 min
Delta R.T.: -0.007 min
Response: 2887313
Conc: 17.54 ug/ml

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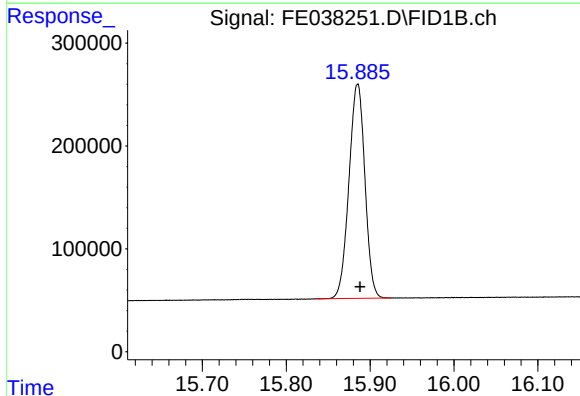
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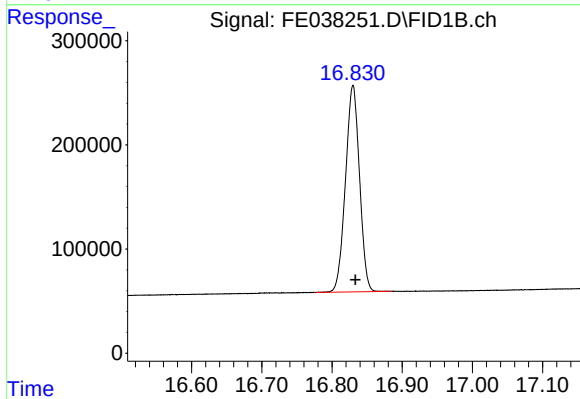
#14 n-Tetracosane (C24)

R.T.: 14.868 min
Delta R.T.: -0.006 min
Response: 2801999
Conc: 17.08 ug/ml



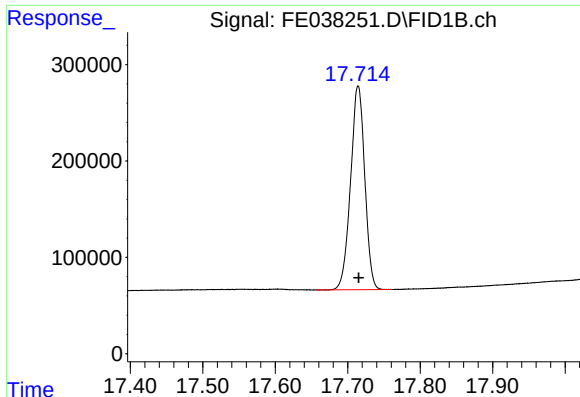
#15 n-Hexacosane (C26)

R.T.: 15.885 min
Delta R.T.: -0.003 min
Response: 2755200
Conc: 16.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: -0.004 min
Response: 2751748
Conc: 17.18 ug/ml



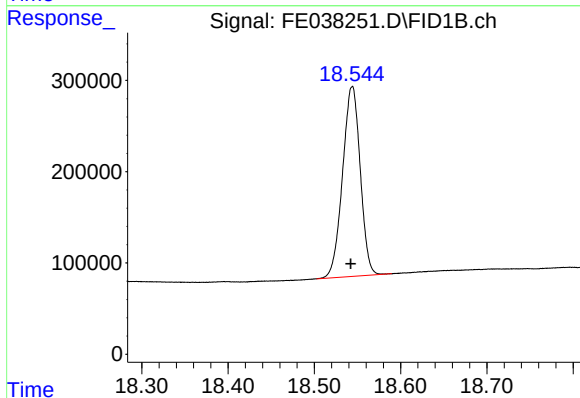
#17 n-Tricontane (C30)

R.T.: 17.714 min
Delta R.T.: 0.000 min
Response: 2876338
Conc: 17.97 ug/ml

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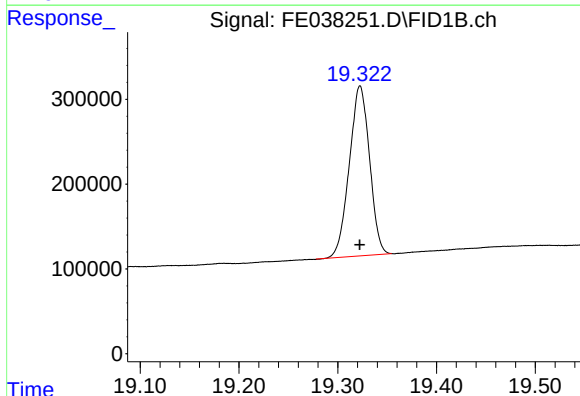
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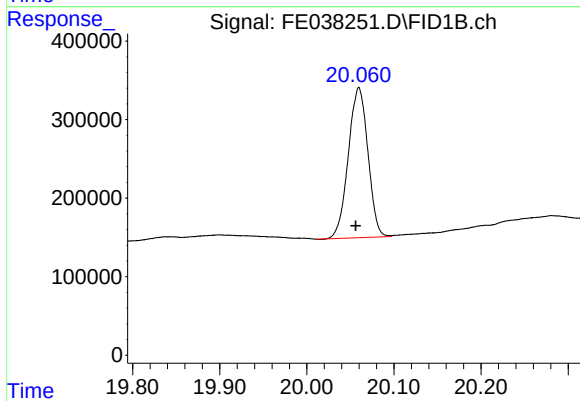
#18 n-Dotriacontane (C32)

R.T.: 18.544 min
Delta R.T.: 0.002 min
Response: 2961446
Conc: 18.81 ug/ml m



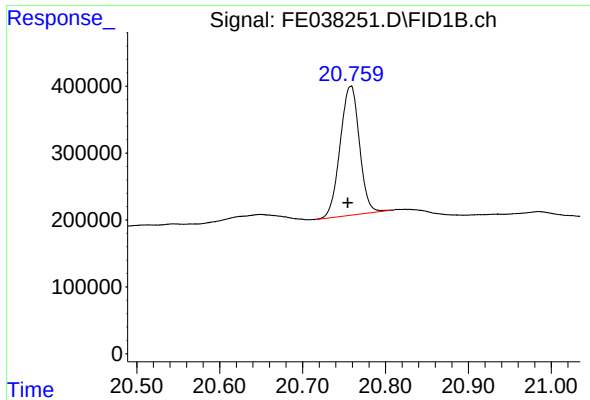
#19 n-Tetratriacontane (C34)

R.T.: 19.322 min
Delta R.T.: 0.000 min
Response: 2856175
Conc: 19.28 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.060 min
Delta R.T.: 0.004 min
Response: 2988743
Conc: 20.73 ug/ml



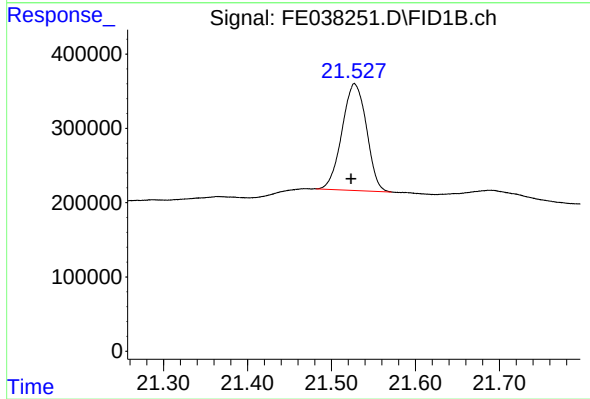
#21 n-Octatriacontane (C38)

R.T.: 20.759 min
Delta R.T.: 0.004 min
Response: 3122255
Conc: 23.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.527 min
Delta R.T.: 0.004 min
Response: 2913392
Conc: 22.89 ug/ml m