

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF100923AL\
 Data File : FF013577.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 09:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 09 23:48:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 100623.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 07 07:01:38 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)	11.873	3786980	23.474 ug/ml
Spiked Amount 50.000		Recovery =	46.95%
12) S 1-chlorooctadecane (S...	13.313	2795760	23.328 ug/ml
Spiked Amount 50.000		Recovery =	46.66%
Target Compounds			
1) T n-Nonane (C9)	3.271	2985232	23.467 ug/ml
2) T n-Decane (C10)	4.521	3052096	23.614 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3306092	23.905 ug/ml
4) T n-Dodecane (C12)	6.684	3067417	23.626 ug/ml
5) T A~2-methylnaphthalene...	7.310	3162418	23.881 ug/ml
6) T n-Tetradecane (C14)	8.510	3001846	23.573 ug/ml
7) T n-Hexadecane (C16)	10.116	3135562	23.740 ug/ml
8) T n-Octadecane (C18)	11.559	3243251	23.698 ug/ml
10) T n-Eicosane (C20)	12.869	3210680	23.585 ug/ml
11) T n-Heneicosane (C21)	13.481	3164381	23.477 ug/ml
13) T n-Docosane (C22)	14.067	3147526	23.344 ug/ml
14) T n-Tetracosane (C24)	15.172	3172580	23.222 ug/ml
15) T n-Hexacosane (C26)	16.193	3124683	22.952 ug/ml
16) T n-Octacosane (C28)	17.142	3053655	22.837 ug/ml
17) T n-Tricontane (C30)	18.031	3143272	22.689 ug/ml
18) T n-Dotriacontane (C32)	18.863	3175050	23.112 ug/ml
19) T n-Tetratriacontane (C34)	19.647	2928043	22.608 ug/ml
20) T n-Hexatriacontane (C36)	20.386	2744837	22.010 ug/mlm
21) T n-Octatriacontane (C38)	21.116	2603452	22.157 ug/ml
22) T n-Tetracontane (C40)	22.005	2505163	21.780 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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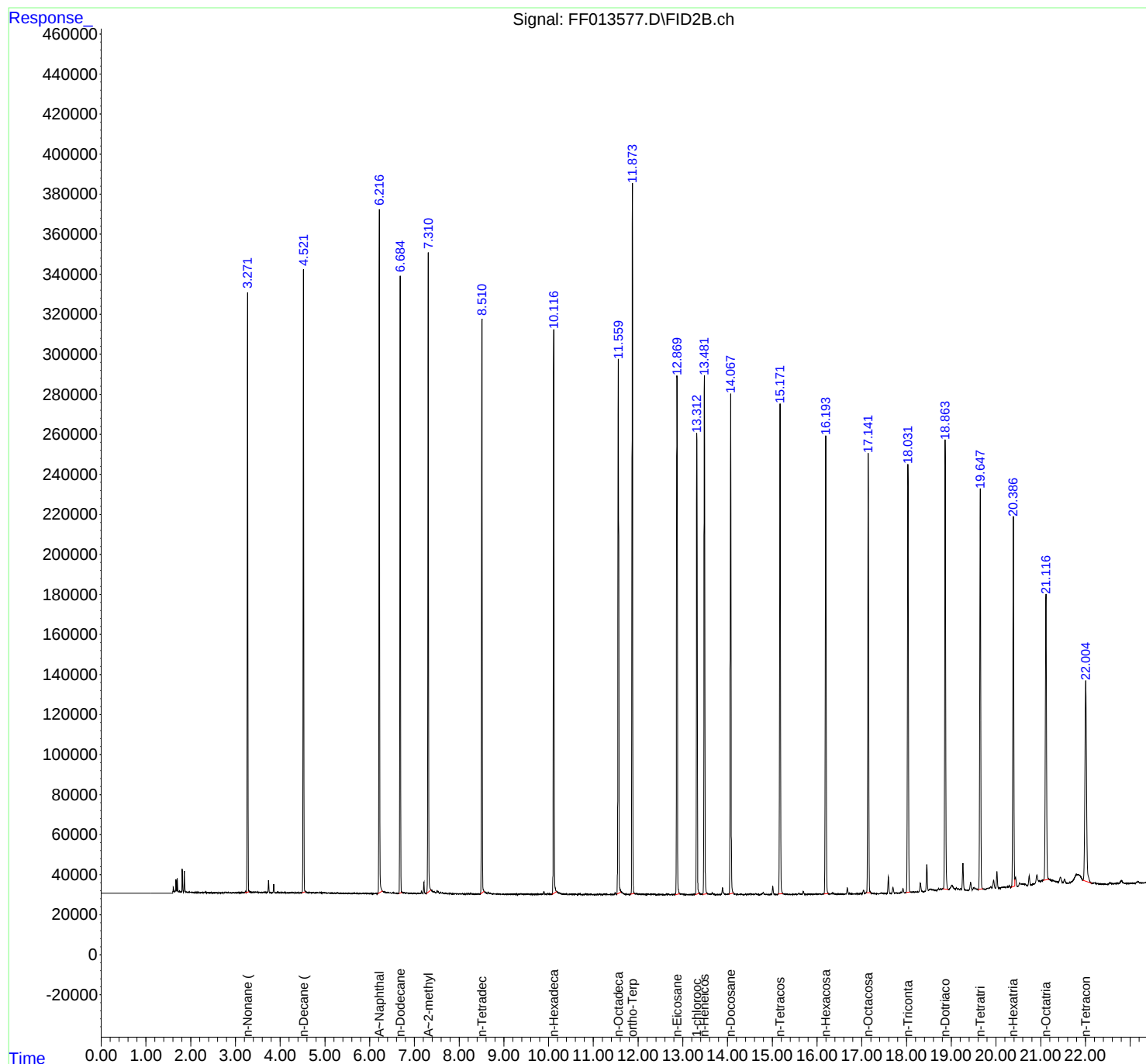
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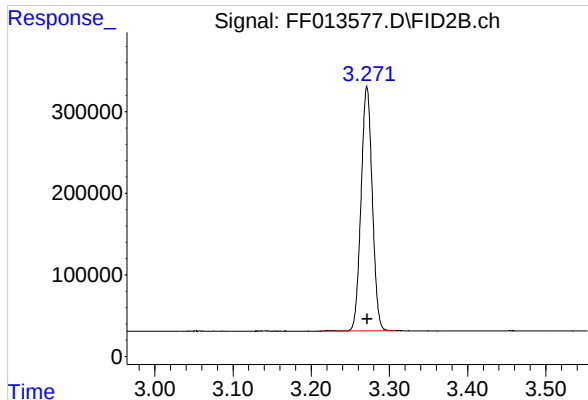
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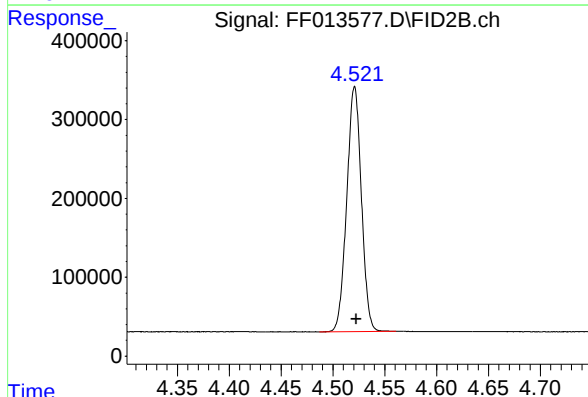
#1 n-Nonane (C9)

R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 2985232
Conc: 23.47 ug/ml

Instrument : FID_F
ClientSampleId : 20 PPM ALIPHATIC HC STD

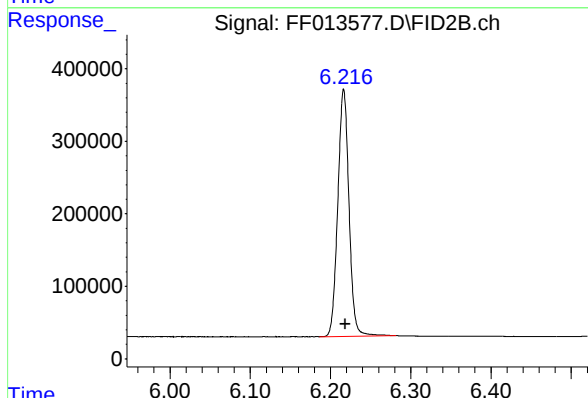
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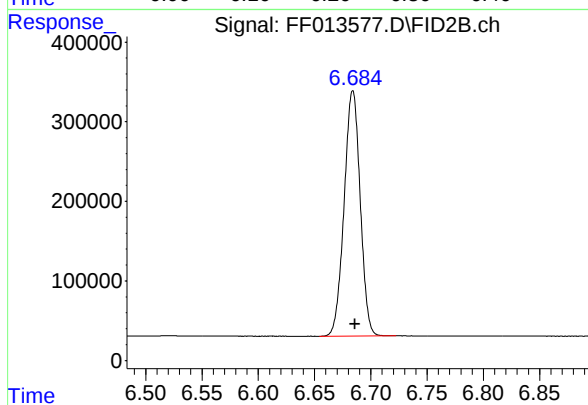
#2 n-Decane (C10)

R.T.: 4.521 min
Delta R.T.: -0.002 min
Response: 3052096
Conc: 23.61 ug/ml



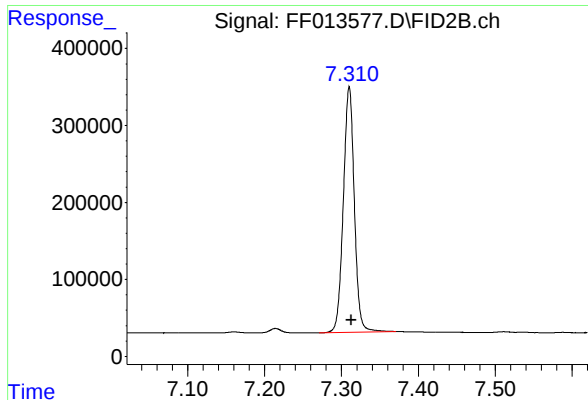
#3 n-Undecane (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.002 min
Response: 3306092
Conc: 23.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.002 min
Response: 3067417
Conc: 23.63 ug/ml



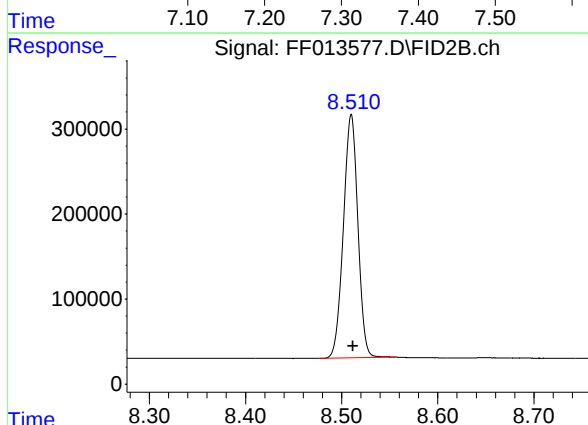
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.003 min
Response: 3162418
Conc: 23.88 ug/ml

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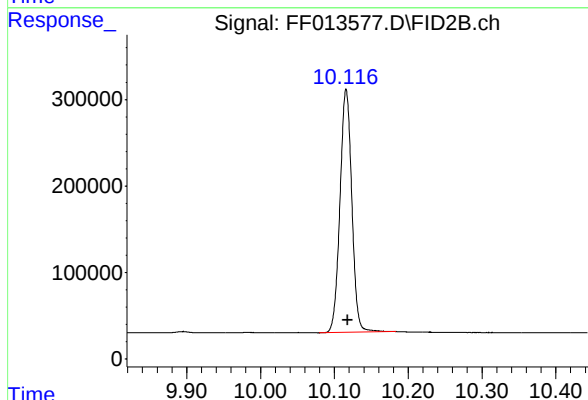
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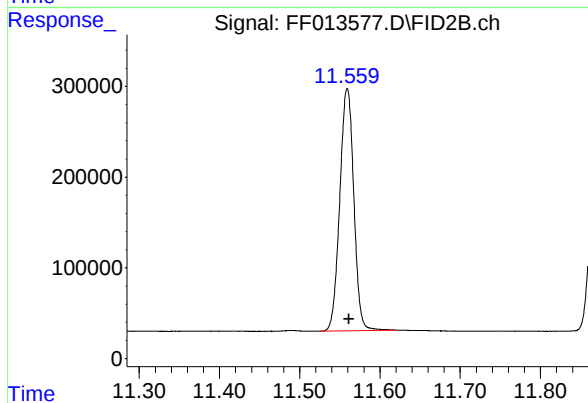
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: -0.002 min
Response: 3001846
Conc: 23.57 ug/ml



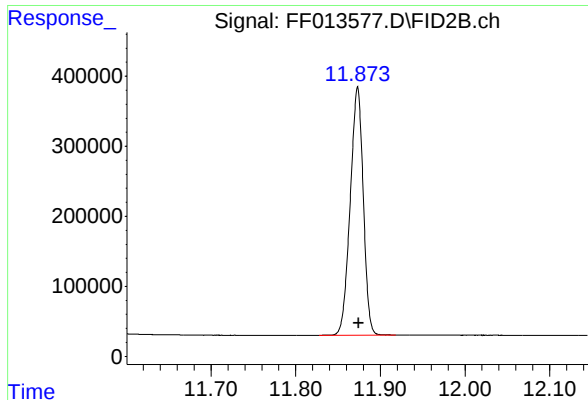
#7 n-Hexadecane (C16)

R.T.: 10.116 min
Delta R.T.: -0.002 min
Response: 3135562
Conc: 23.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.559 min
Delta R.T.: -0.002 min
Response: 3243251
Conc: 23.70 ug/ml



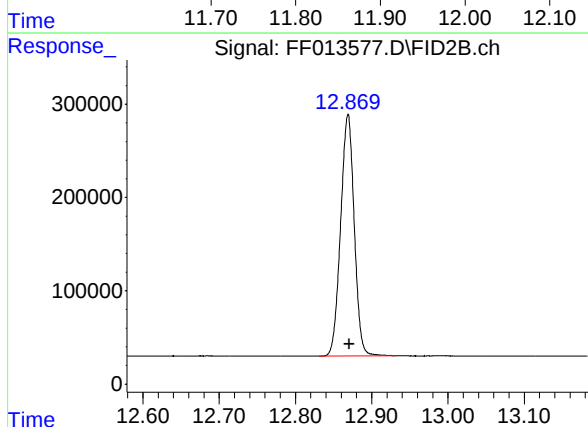
#9 ortho-Terphenyl (SURR)

R.T.: 11.873 min
Delta R.T.: -0.001 min
Response: 3786980
Conc: 23.47 ug/ml

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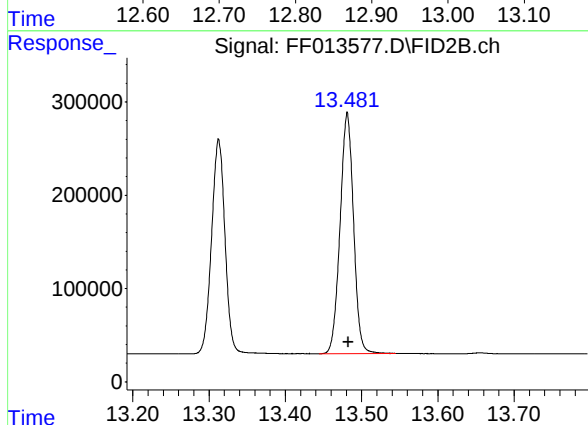
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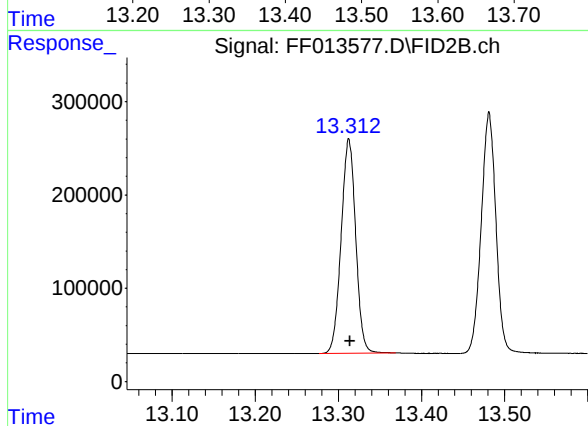
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.001 min
Response: 3210680
Conc: 23.59 ug/ml



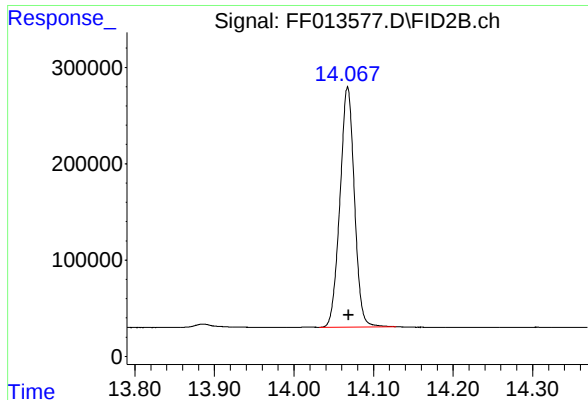
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: -0.001 min
Response: 3164381
Conc: 23.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.001 min
Response: 2795760
Conc: 23.33 ug/ml



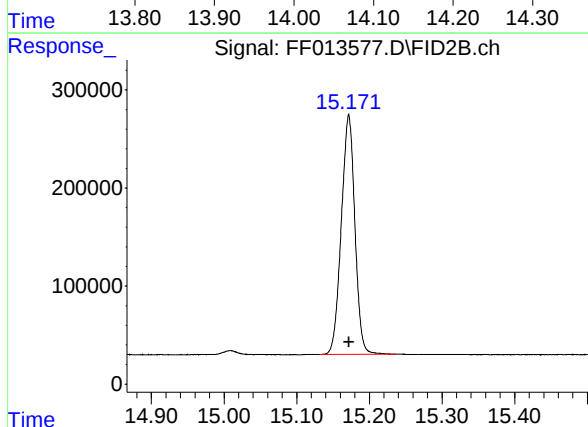
#13 n-Docosane (C22)

R.T.: 14.067 min
Delta R.T.: -0.001 min
Response: 3147526
Conc: 23.34 ug/ml

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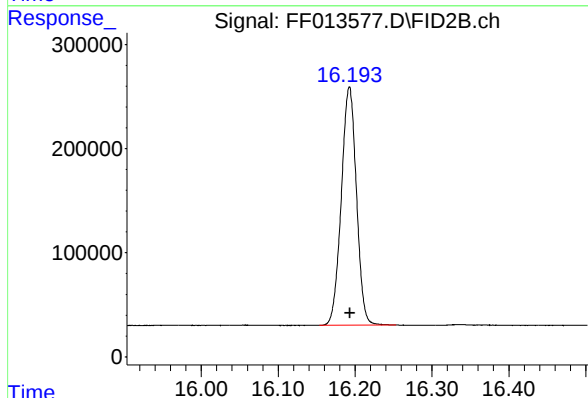
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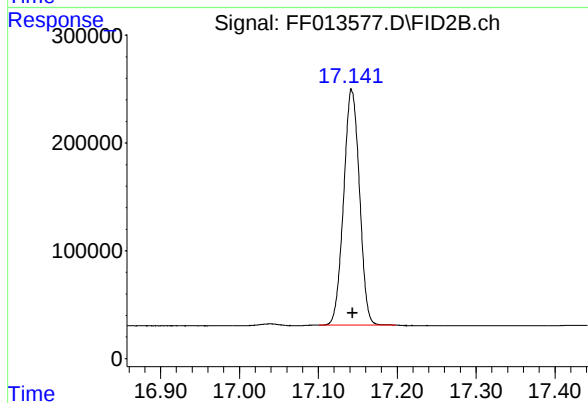
#14 n-Tetracosane (C24)

R.T.: 15.172 min
Delta R.T.: 0.000 min
Response: 3172580
Conc: 23.22 ug/ml



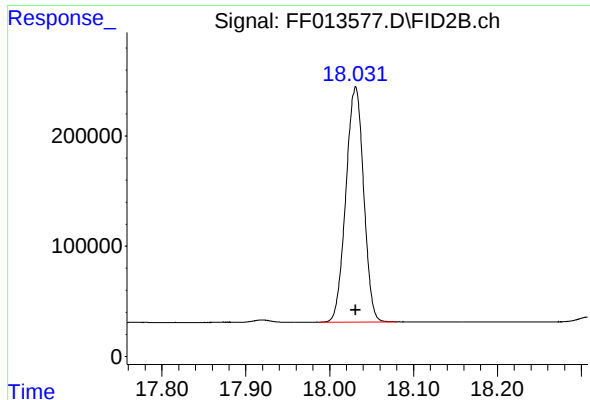
#15 n-Hexacosane (C26)

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 3124683
Conc: 22.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.142 min
Delta R.T.: -0.001 min
Response: 3053655
Conc: 22.84 ug/ml



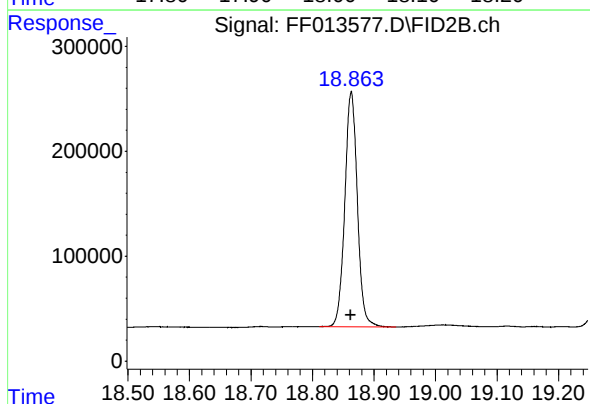
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: 0.000 min
Response: 3143272
Conc: 22.69 ug/ml

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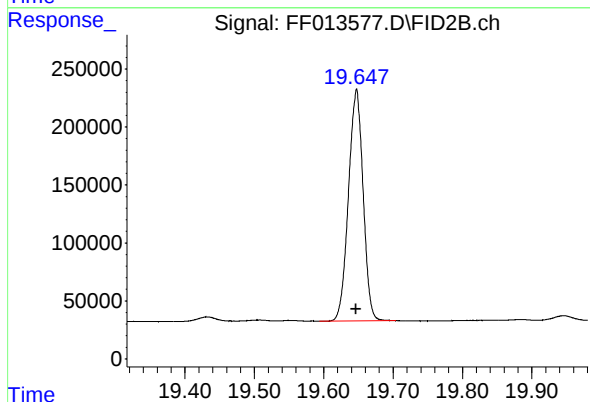
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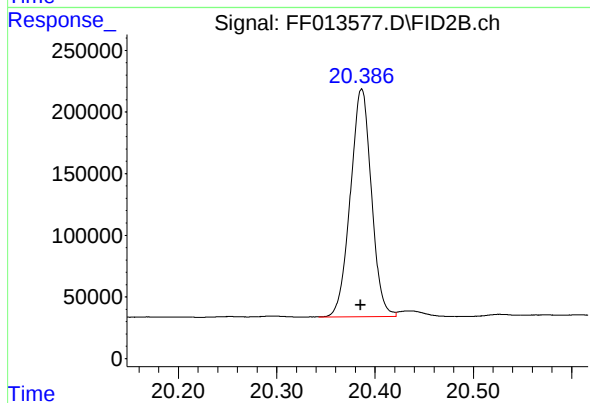
#18 n-Dotriacontane (C32)

R.T.: 18.863 min
Delta R.T.: 0.000 min
Response: 3175050
Conc: 23.11 ug/ml



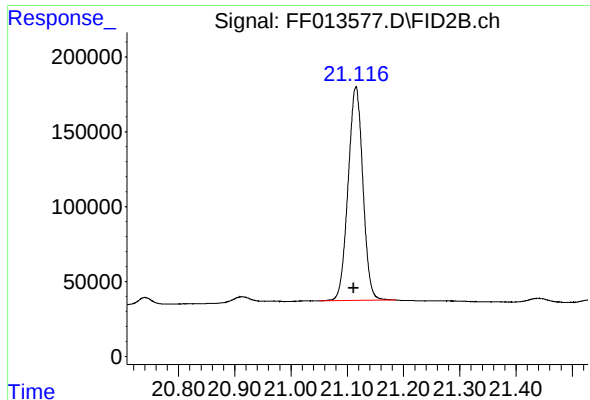
#19 n-Tetatriacontane (C34)

R.T.: 19.647 min
Delta R.T.: 0.000 min
Response: 2928043
Conc: 22.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: 0.000 min
Response: 2744837
Conc: 22.01 ug/ml m



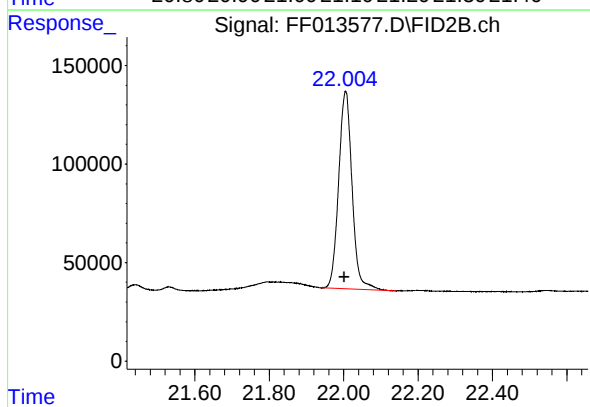
#21 n-Octatriacontane (C38)

R.T.: 21.116 min
Delta R.T.: 0.004 min
Response: 2603452
Conc: 22.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.005 min
Delta R.T.: 0.003 min
Response: 2505163
Conc: 21.78 ug/ml