

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101424AL\
 Data File : FF014674.D
 Signal(s) : FID2B.ch
 Acq On : 14 Oct 2024 21:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 02:11:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 02 12:50:54 2024
 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)	11.786	3201165	20.644 ug/ml
Spiked Amount 50.000		Recovery =	41.29%
12) S 1-chlorooctadecane (S...	13.227	2450408	20.450 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
Target Compounds			
1) T n-Nonane (C9)	3.191	2647563	21.054 ug/ml
2) T n-Decane (C10)	4.440	2684562	21.080 ug/ml
3) T A~Naphthalene (C11.7)	6.132	2828529	21.427 ug/ml
4) T n-Dodecane (C12)	6.605	2743027	21.257 ug/ml
5) T A~2-methylnaphthalene...	7.228	2635249	21.595 ug/ml
6) T n-Tetradecane (C14)	8.431	2715130	21.144 ug/ml
7) T n-Hexadecane (C16)	10.036	2783628	21.156 ug/ml
8) T n-Octadecane (C18)	11.478	2885852	20.950 ug/ml
10) T n-Eicosane (C20)	12.786	2853400	20.526 ug/ml
11) T n-Heneicosane (C21)	13.397	2821596	20.313 ug/ml
13) T n-Docosane (C22)	13.982	2808311	19.985 ug/ml
14) T n-Tetracosane (C24)	15.084	2802719	19.466 ug/ml
15) T n-Hexacosane (C26)	16.104	2740679	18.868 ug/ml
16) T n-Octacosane (C28)	17.052	2651759	17.931 ug/ml
17) T n-Tricontane (C30)	17.937	2690865	17.238 ug/ml
18) T n-Dotriacontane (C32)	18.767	2543396	16.599 ug/ml
19) T n-Tetratriacontane (C34)	19.549	2164704	16.794 ug/ml
20) T n-Hexatriacontane (C36)	20.286	2403516	23.216 ug/mlm
21) T n-Octatriacontane (C38)	21.002	1602417	17.850 ug/ml
22) T n-Tetracontane (C40)	21.861	1444933	18.461 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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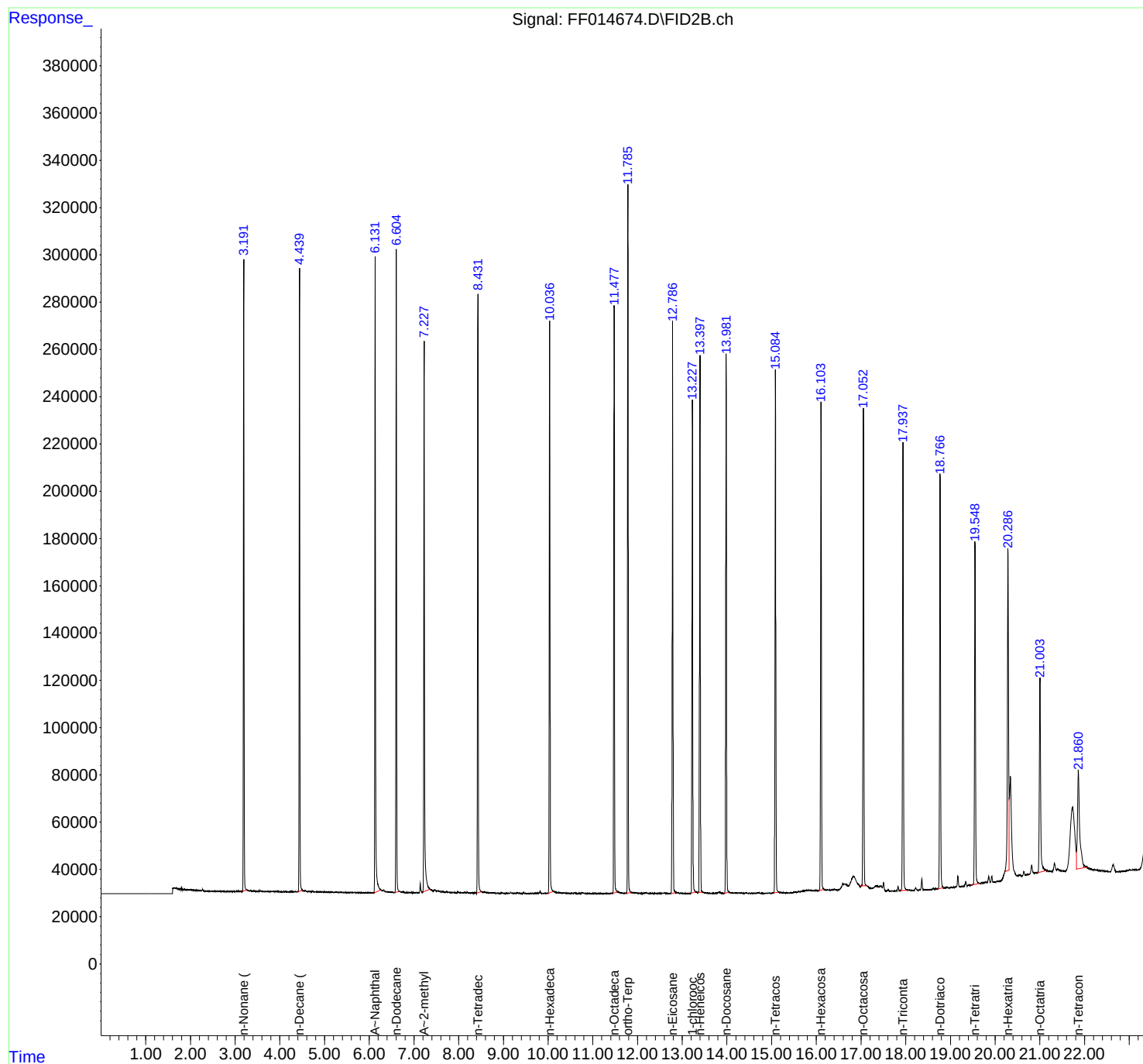
Instrument :
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20 PPM ALIPHATIC HC STD

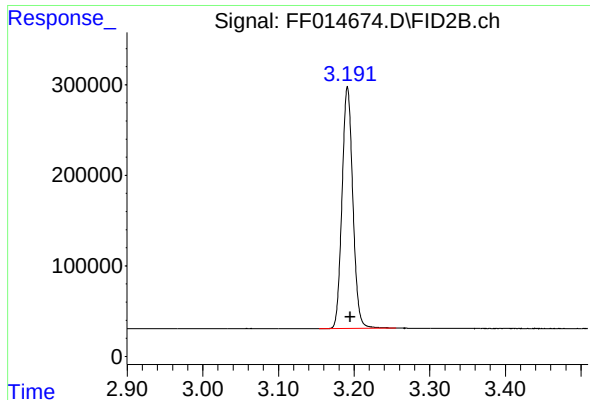
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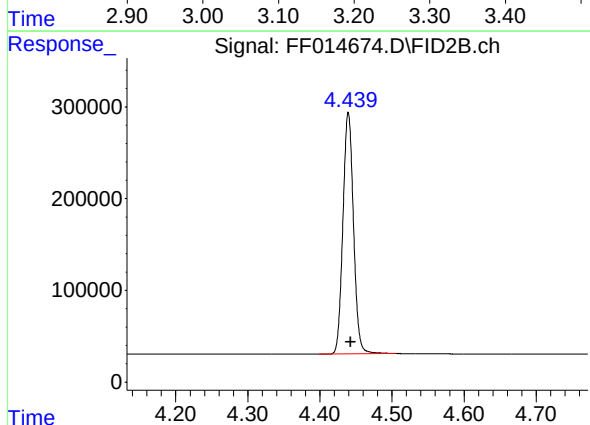
#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.004 min
Response: 2647563
Conc: 21.05 ug/ml

Instrument : FID_F
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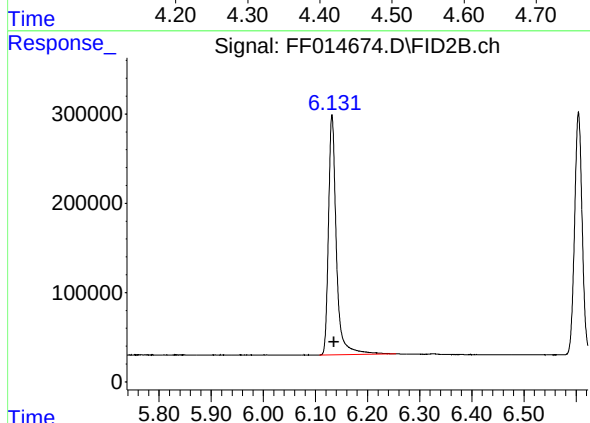
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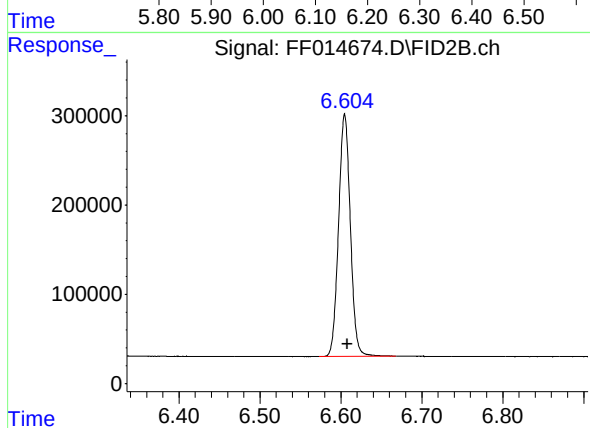
#2 n-Decane (C10)

R.T.: 4.440 min
Delta R.T.: -0.003 min
Response: 2684562
Conc: 21.08 ug/ml



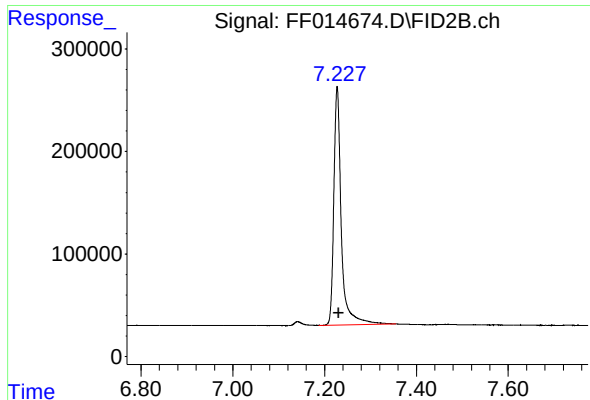
#3 A~Naphthalene (C11.7)

R.T.: 6.132 min
Delta R.T.: -0.004 min
Response: 2828529
Conc: 21.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.605 min
Delta R.T.: -0.003 min
Response: 2743027
Conc: 21.26 ug/ml



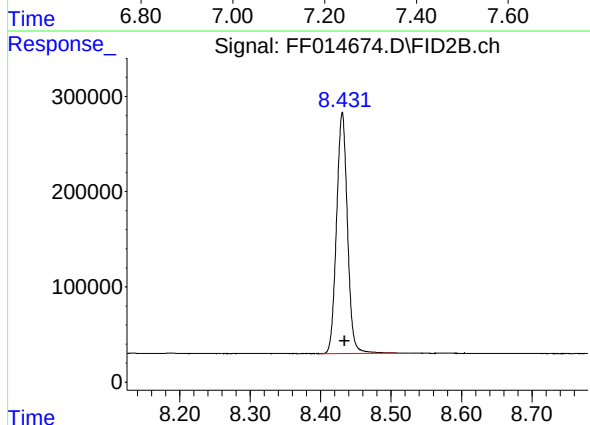
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.228 min
Delta R.T.: -0.003 min
Response: 2635249
Conc: 21.60 ug/ml

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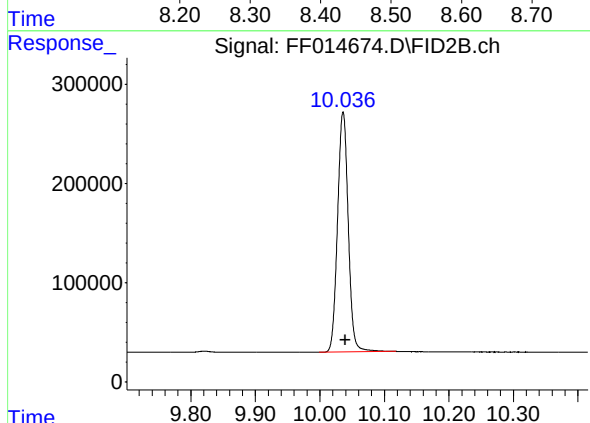
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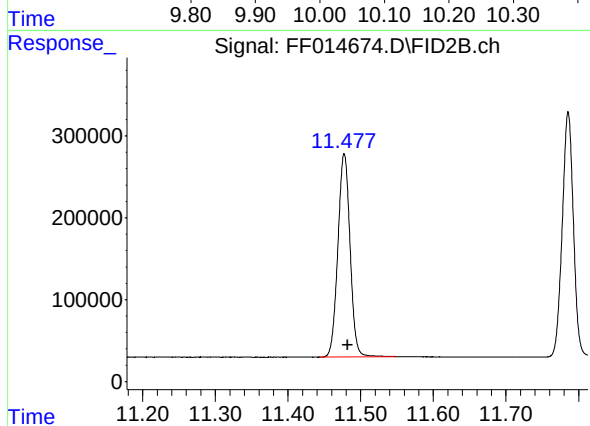
#6 n-Tetradecane (C14)

R.T.: 8.431 min
Delta R.T.: -0.004 min
Response: 2715130
Conc: 21.14 ug/ml



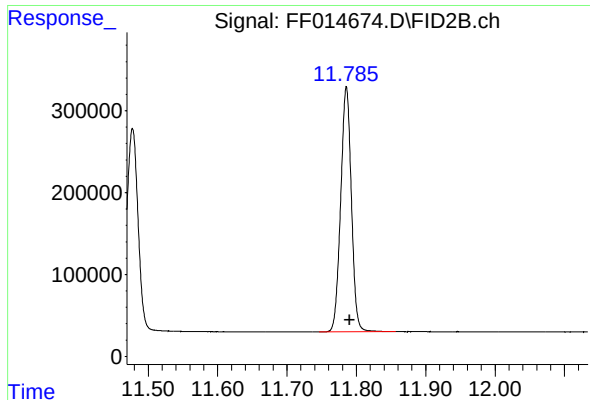
#7 n-Hexadecane (C16)

R.T.: 10.036 min
Delta R.T.: -0.004 min
Response: 2783628
Conc: 21.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.478 min
Delta R.T.: -0.004 min
Response: 2885852
Conc: 20.95 ug/ml



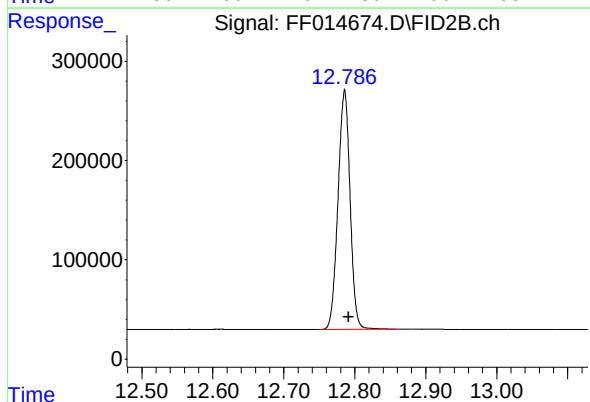
#9 ortho-Terphenyl (SURR)

R.T.: 11.786 min
Delta R.T.: -0.005 min
Response: 3201165
Conc: 20.64 ug/ml

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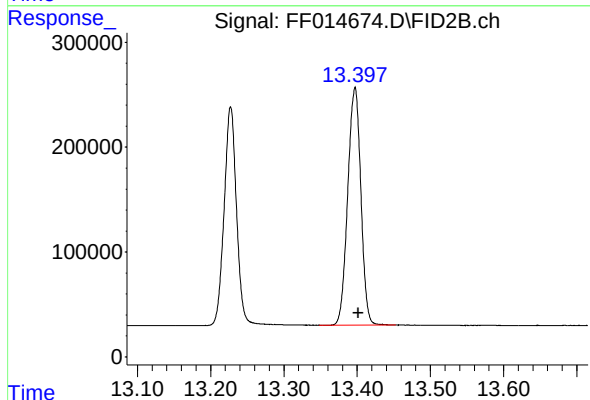
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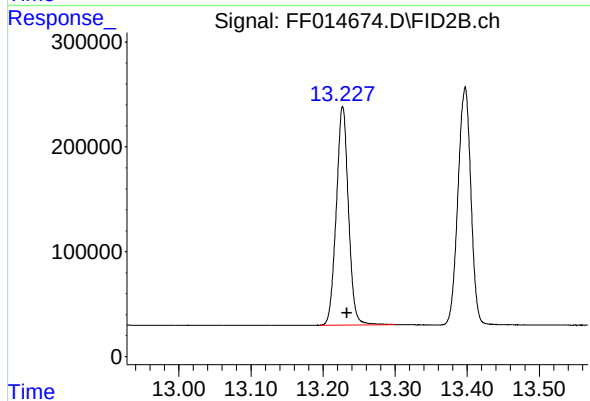
#10 n-Eicosane (C20)

R.T.: 12.786 min
Delta R.T.: -0.005 min
Response: 2853400
Conc: 20.53 ug/ml



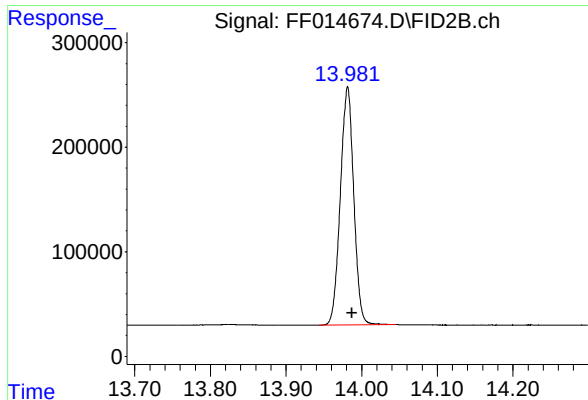
#11 n-Heneicosane (C21)

R.T.: 13.397 min
Delta R.T.: -0.005 min
Response: 2821596
Conc: 20.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.227 min
Delta R.T.: -0.006 min
Response: 2450408
Conc: 20.45 ug/ml



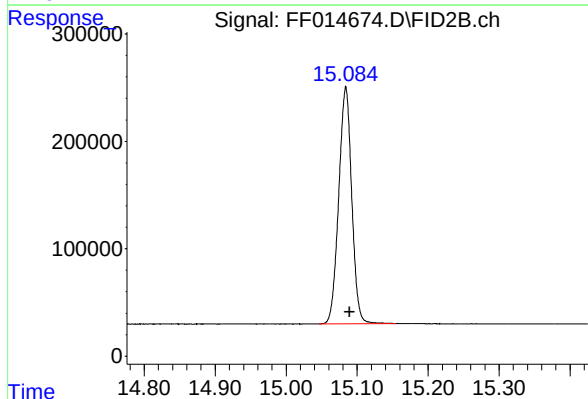
#13 n-Docosane (C22)

R.T.: 13.982 min
Delta R.T.: -0.006 min
Response: 2808311
Conc: 19.99 ug/ml

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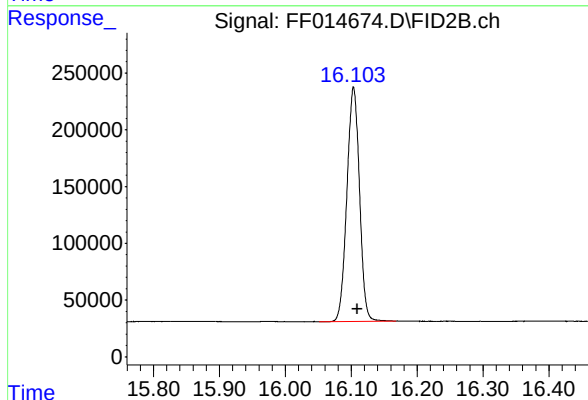
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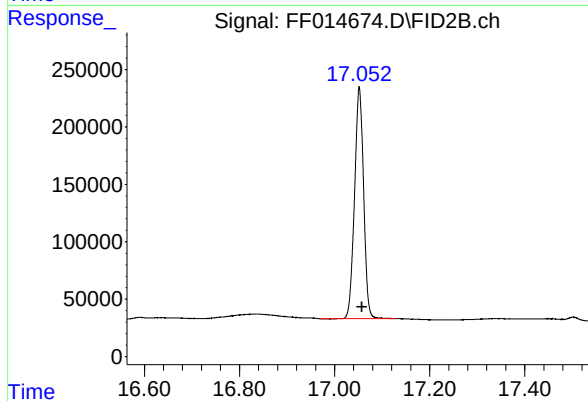
#14 n-Tetracosane (C24)

R.T.: 15.084 min
Delta R.T.: -0.005 min
Response: 2802719
Conc: 19.47 ug/ml



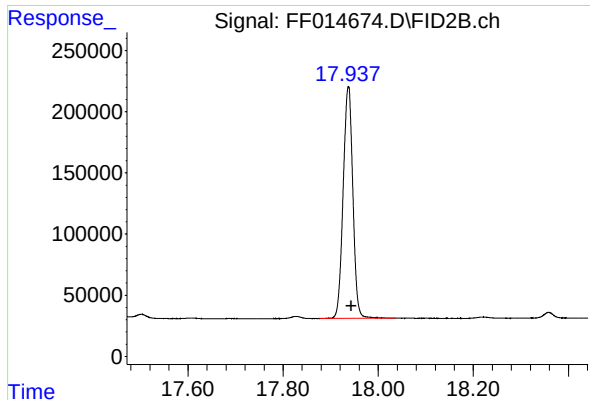
#15 n-Hexacosane (C26)

R.T.: 16.104 min
Delta R.T.: -0.006 min
Response: 2740679
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.052 min
Delta R.T.: -0.006 min
Response: 2651759
Conc: 17.93 ug/ml



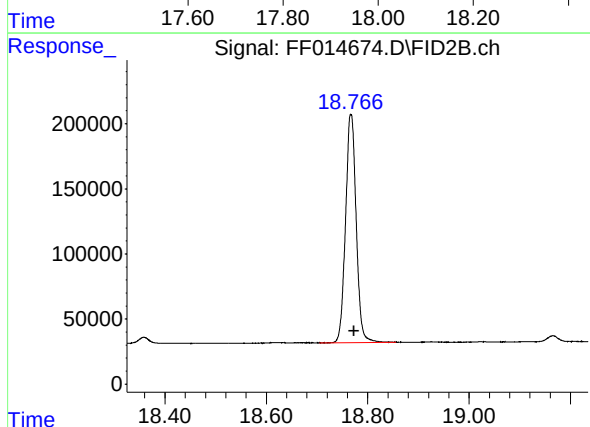
#17 n-Tricontane (C30)

R.T.: 17.937 min
Delta R.T.: -0.006 min
Response: 2690865
Conc: 17.24 ug/ml

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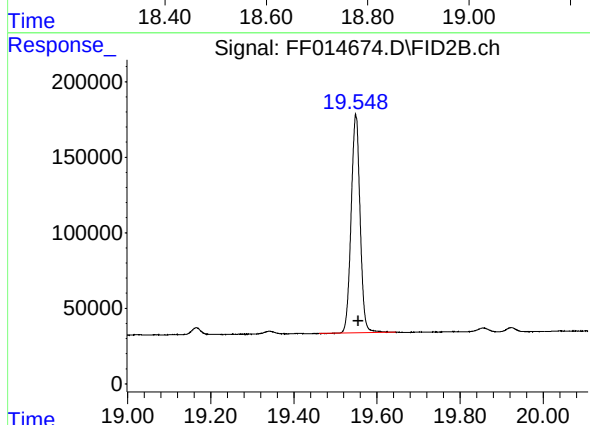
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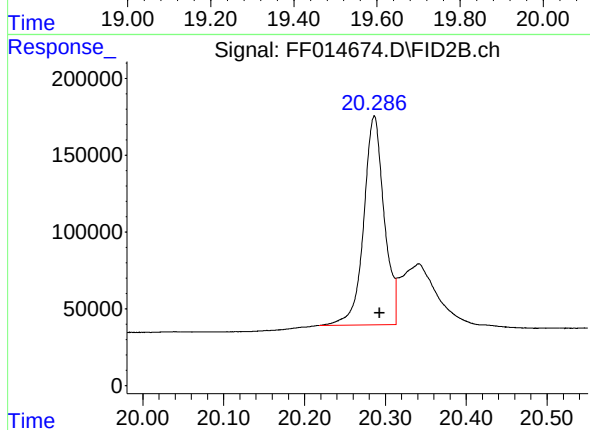
#18 n-Dotriacontane (C32)

R.T.: 18.767 min
Delta R.T.: -0.006 min
Response: 2543396
Conc: 16.60 ug/ml



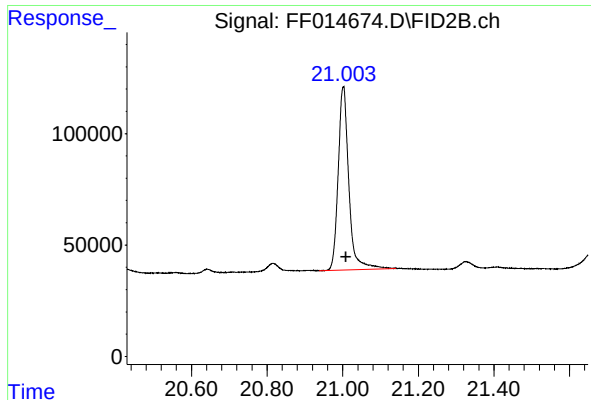
#19 n-Tetatriacontane (C34)

R.T.: 19.549 min
Delta R.T.: -0.006 min
Response: 2164704
Conc: 16.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.286 min
Delta R.T.: -0.007 min
Response: 2403516
Conc: 23.22 ug/ml m



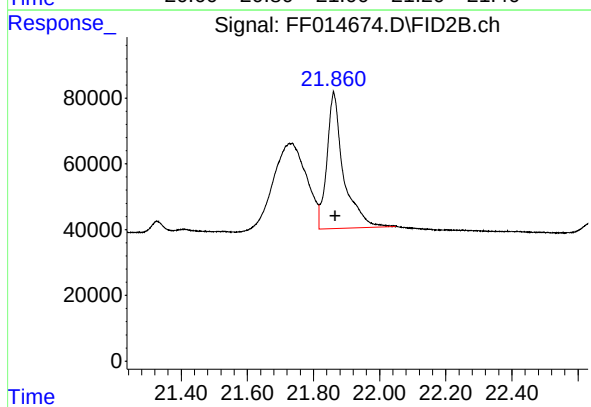
#21 n-Octatriacontane (C38)

R.T.: 21.002 min
Delta R.T.: -0.007 min
Response: 1602417
Conc: 17.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.861 min
Delta R.T.: -0.006 min
Response: 1444933
Conc: 18.46 ug/ml