

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121523AL\
 Data File : FC065474.D
 Signal(s) : FID1A.ch
 Acq On : 15 Dec 2023 11:30
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Dec 15 12:46:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:28:29 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)	11.502	4571316	19.704 ug/ml
Spiked Amount 50.000		Recovery =	39.41%
12) S 1-chlorooctadecane (S...	12.934	3336616	20.150 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
Target Compounds			
1) T n-Nonane (C9)	3.301	3932173	19.637 ug/ml
2) T n-Decane (C10)	4.360	4154251	20.669 ug/ml
3) T A~Naphthalene (C11.7)	5.941	4116099	20.273 ug/ml
4) T n-Dodecane (C12)	6.371	4180201	20.556 ug/ml
5) T A~2-methylnaphthalene...	6.995	4034168	20.756 ug/ml
6) T n-Tetradecane (C14)	8.159	4039001	20.324 ug/ml
7) T n-Hexadecane (C16)	9.753	4004953	20.218 ug/ml
8) T n-Octadecane (C18)	11.189	3949780	19.942 ug/ml
10) T n-Eicosane (C20)	12.492	3776473	19.956 ug/ml
11) T n-Heneicosane (C21)	13.100	3656948	19.792 ug/ml
13) T n-Docosane (C22)	13.684	3661829	20.297 ug/ml
14) T n-Tetracosane (C24)	14.781	3669012	21.162 ug/ml
15) T n-Hexacosane (C26)	15.799	3627011	21.782 ug/ml
16) T n-Octacosane (C28)	16.744	3691864	23.082 ug/ml
17) T n-Tricontane (C30)	17.629	3911421	24.565 ug/ml
18) T n-Dotriacontane (C32)	18.457	3899288	24.804 ug/ml
19) T n-Tetratriacontane (C34)	19.237	3576811	23.178 ug/ml
20) T n-Hexatriacontane (C36)	19.974	3347311	21.837 ug/ml
21) T n-Octatriacontane (C38)	20.693	3239630	21.305 ug/ml
22) T n-Tetracontane (C40)	21.569	3260698	21.752 ug/ml

(f)=RT Delta > 1/2 Window

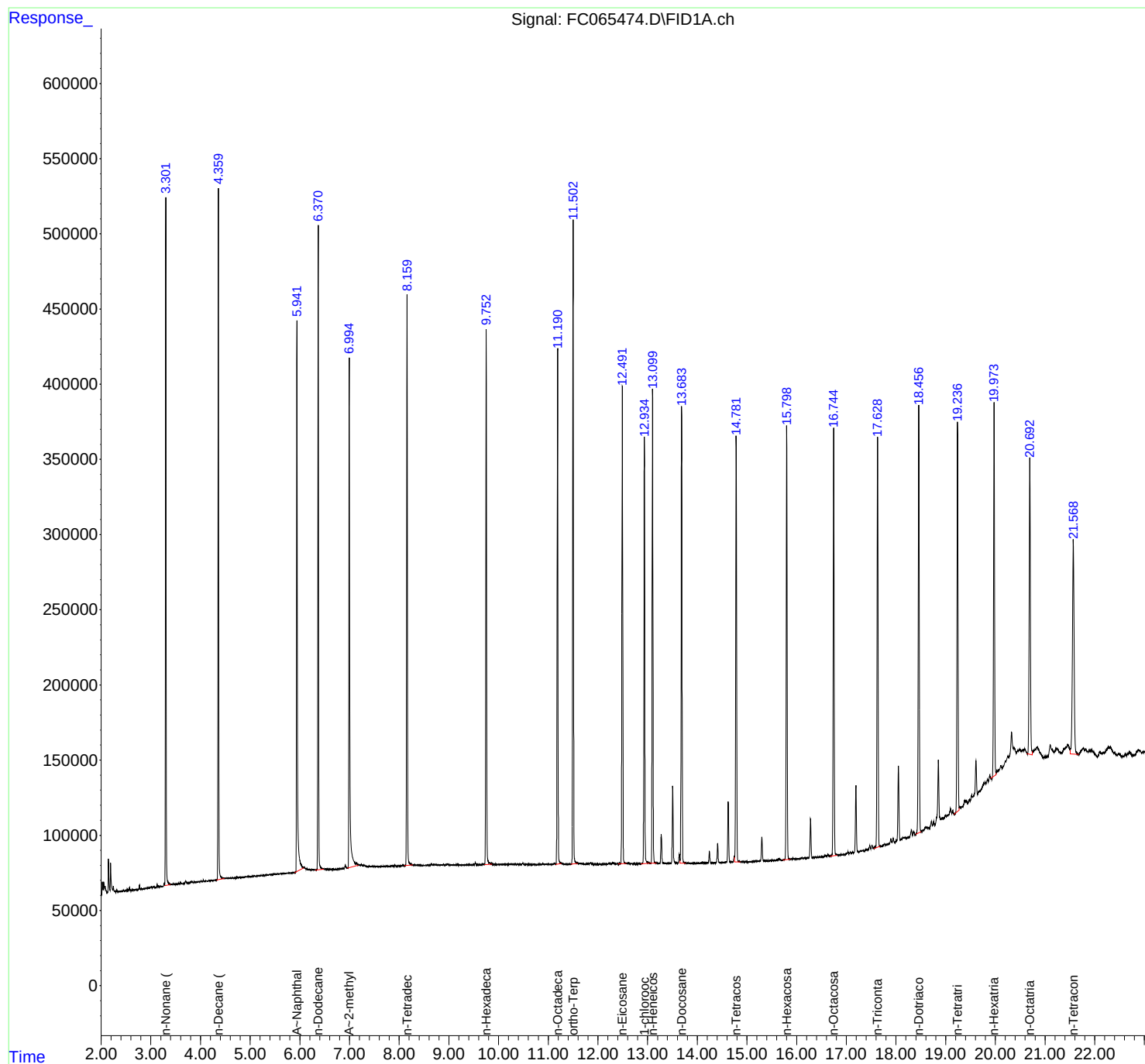
(m)=manual int.

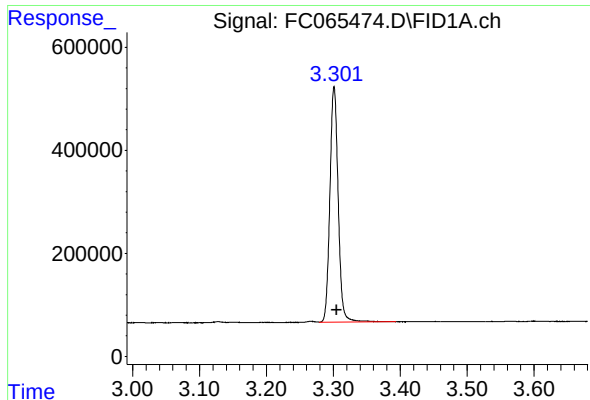
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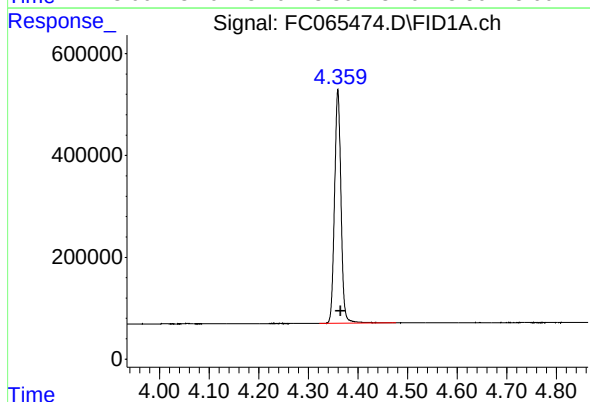




#1 n-Nonane (C9)

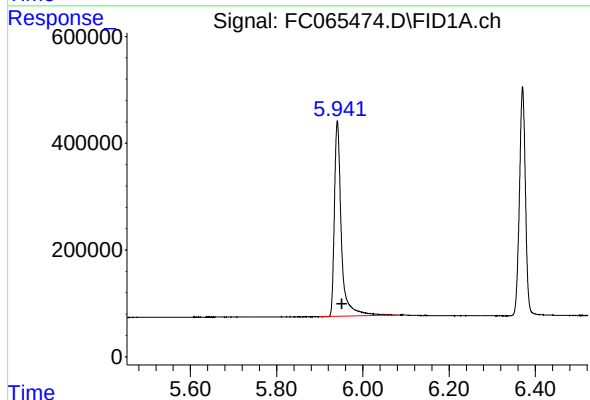
R.T.: 3.301 min
Delta R.T.: -0.004 min
Response: 3932173
Conc: 19.64 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD



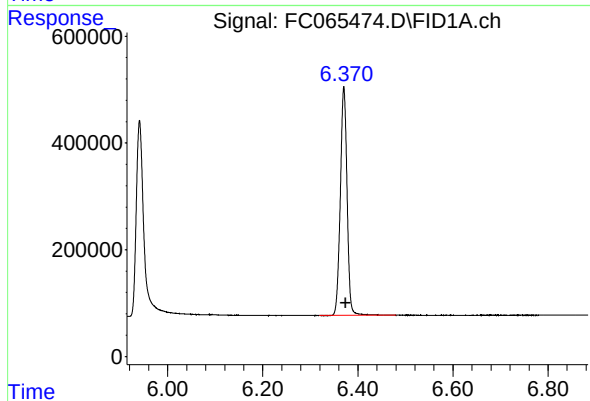
#2 n-Decane (C10)

R.T.: 4.360 min
Delta R.T.: -0.005 min
Response: 4154251
Conc: 20.67 ug/ml



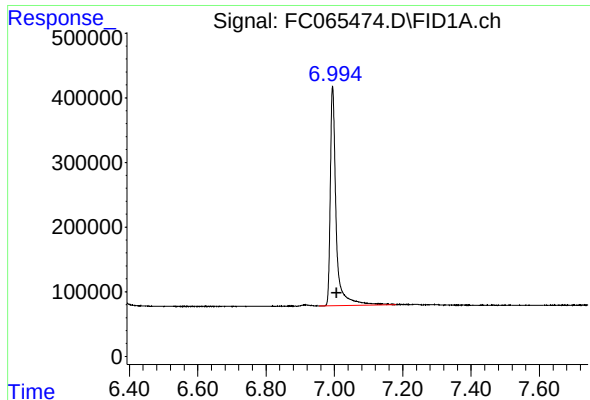
#3 A~Naphthalene (C11.7)

R.T.: 5.941 min
Delta R.T.: -0.011 min
Response: 4116099
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

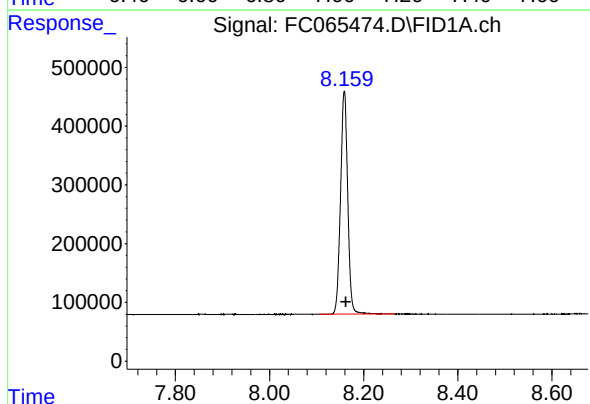
R.T.: 6.371 min
Delta R.T.: -0.004 min
Response: 4180201
Conc: 20.56 ug/ml



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

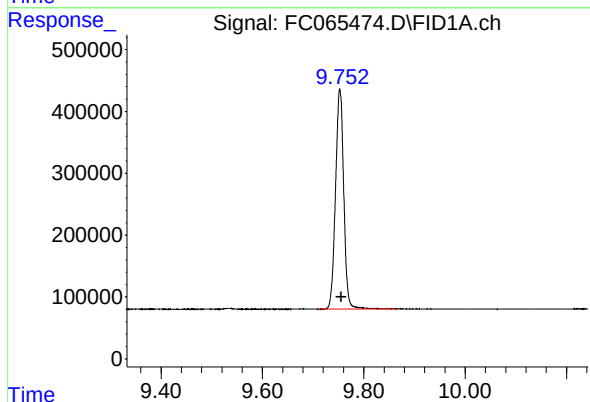
R.T.: 6.995 min
Delta R.T.: -0.012 min
Response: 4034168
Conc: 20.76 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



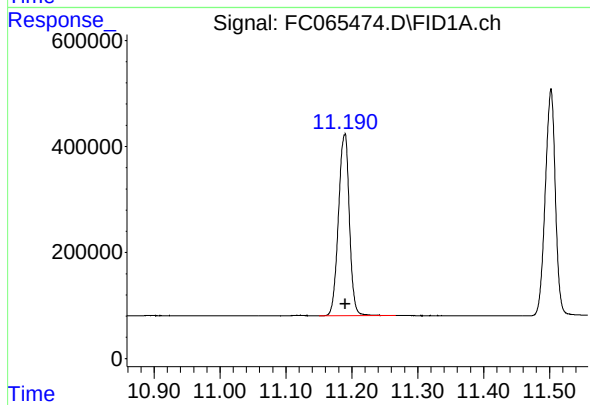
#6 n-Tetradecane (C14)

R.T.: 8.159 min
Delta R.T.: -0.003 min
Response: 4039001
Conc: 20.32 ug/ml



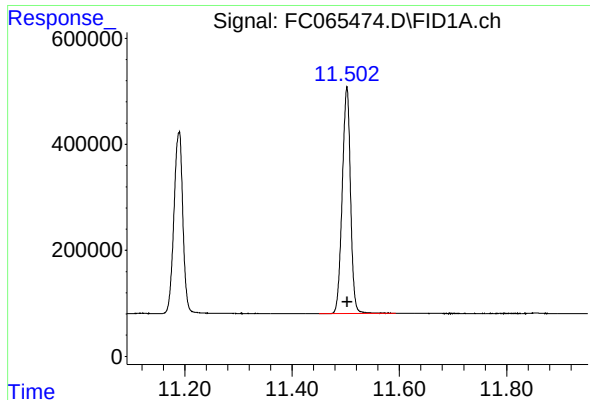
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: -0.003 min
Response: 4004953
Conc: 20.22 ug/ml



#8 n-Octadecane (C18)

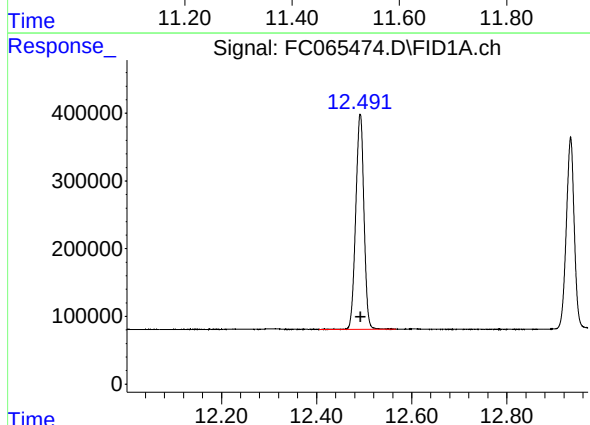
R.T.: 11.189 min
Delta R.T.: 0.000 min
Response: 3949780
Conc: 19.94 ug/ml



#9 ortho-Terphenyl (SURR)

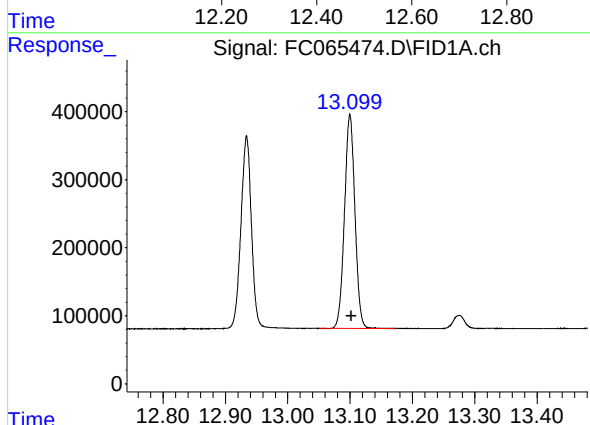
R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 4571316
Conc: 19.70 ug/ml

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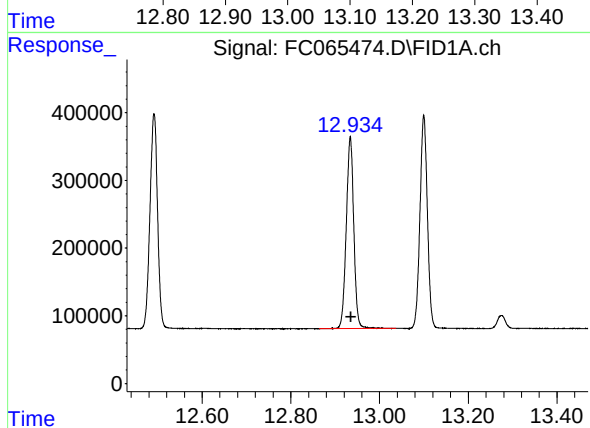
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: -0.001 min
Response: 3776473
Conc: 19.96 ug/ml



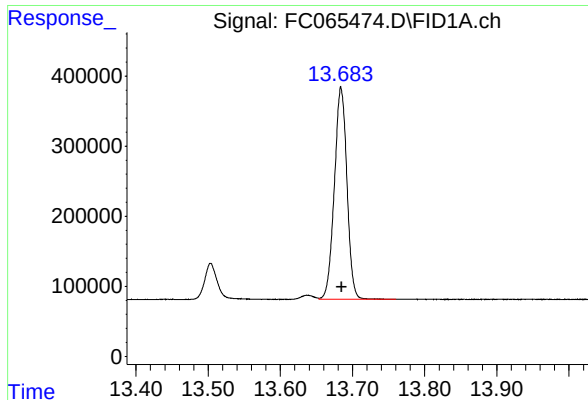
#11 n-Heneicosane (C21)

R.T.: 13.100 min
Delta R.T.: -0.002 min
Response: 3656948
Conc: 19.79 ug/ml



#12 1-chlorooctadecane (SURR)

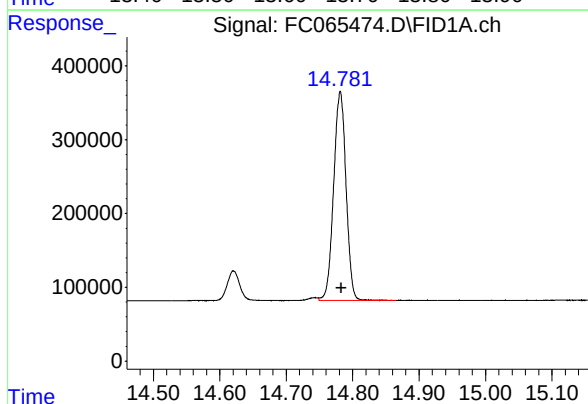
R.T.: 12.934 min
Delta R.T.: -0.002 min
Response: 3336616
Conc: 20.15 ug/ml



#13 n-Docosane (C22)

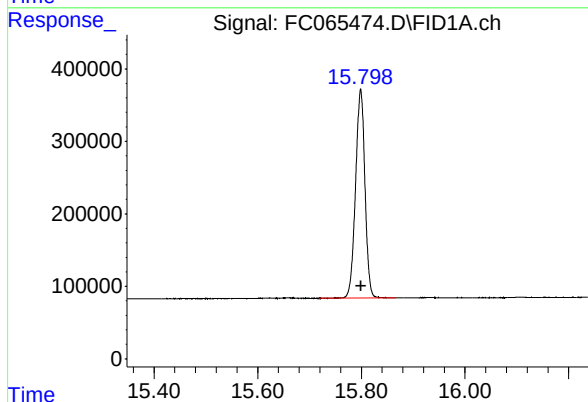
R.T.: 13.684 min
Delta R.T.: -0.001 min
Response: 3661829
Conc: 20.30 ug/ml

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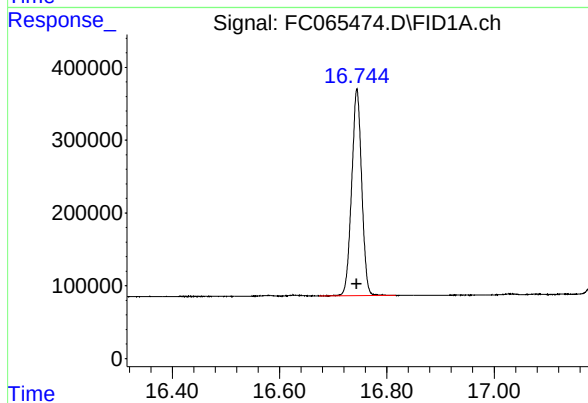
#14 n-Tetracosane (C24)

R.T.: 14.781 min
Delta R.T.: -0.001 min
Response: 3669012
Conc: 21.16 ug/ml



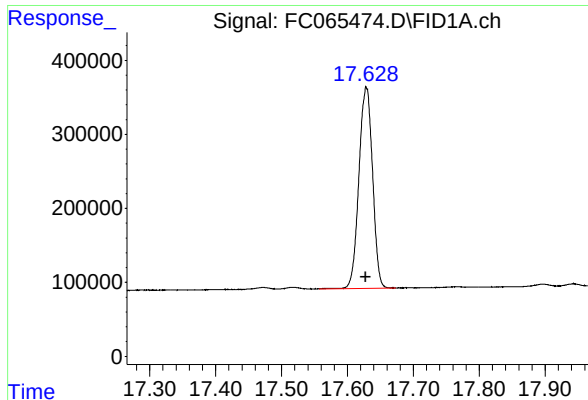
#15 n-Hexacosane (C26)

R.T.: 15.799 min
Delta R.T.: 0.000 min
Response: 3627011
Conc: 21.78 ug/ml



#16 n-Octacosane (C28)

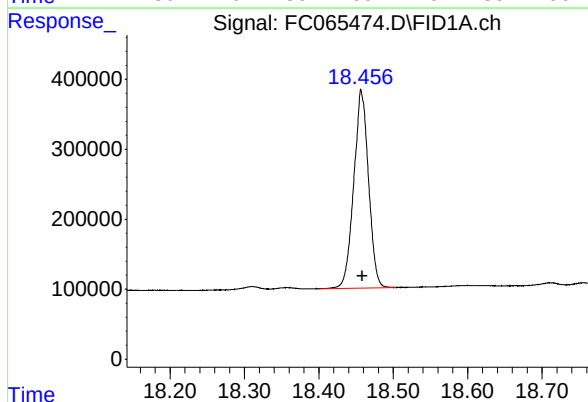
R.T.: 16.744 min
Delta R.T.: 0.000 min
Response: 3691864
Conc: 23.08 ug/ml



#17 n-Tricontane (C30)

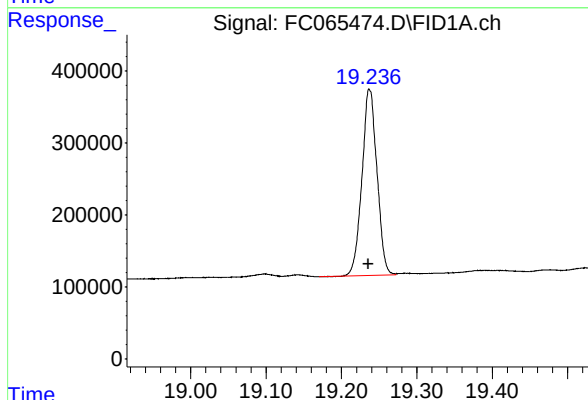
R.T.: 17.629 min
Delta R.T.: 0.000 min
Response: 3911421
Conc: 24.56 ug/ml

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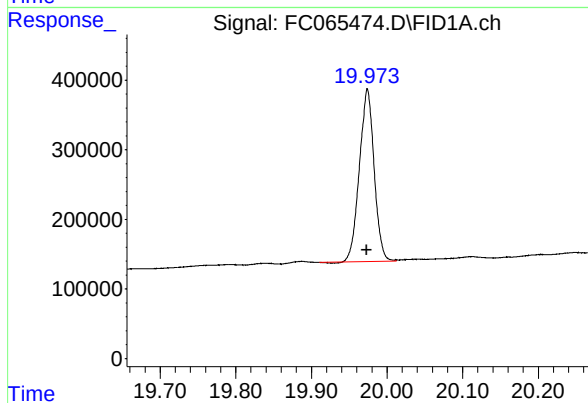
#18 n-Dotriacontane (C32)

R.T.: 18.457 min
Delta R.T.: -0.001 min
Response: 3899288
Conc: 24.80 ug/ml



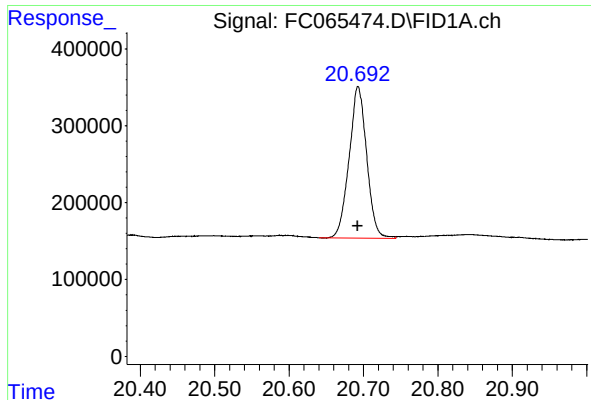
#19 n-Tetratriacontane (C34)

R.T.: 19.237 min
Delta R.T.: 0.002 min
Response: 3576811
Conc: 23.18 ug/ml



#20 n-Hexatriacontane (C36)

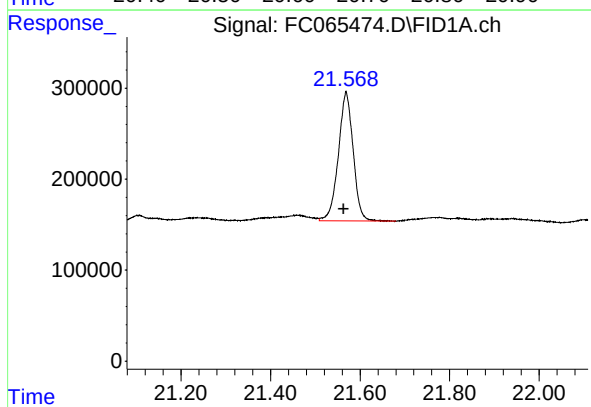
R.T.: 19.974 min
Delta R.T.: 0.000 min
Response: 3347311
Conc: 21.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.693 min
Delta R.T.: 0.000 min
Response: 3239630
Conc: 21.30 ug/ml

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FID_C
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#22 n-Tetracontane (C40)

R.T.: 21.569 min
Delta R.T.: 0.005 min
Response: 3260698
Conc: 21.75 ug/ml