

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F110623AL\
 Data File : FC065014.D
 Signal(s) : FID1A.ch
 Acq On : 06 Nov 2023 12:46
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/07/2023
 Supervised By :Ankita Jodhani 11/07/2023

Integration File: autoint1.e
 Quant Time: Nov 06 23:11:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 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)	11.511	4351843	19.774 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
12) S 1-chlorooctadecane (S...	12.943	3148429	19.916 ug/ml
Spiked Amount 50.000		Recovery =	39.83%
Target Compounds			
1) T n-Nonane (C9)	3.309	3800677	20.102 ug/ml
2) T n-Decane (C10)	4.370	3836521	20.177 ug/ml
3) T A~Naphthalene (C11.7)	5.951	3955497	20.487 ug/ml
4) T n-Dodecane (C12)	6.380	3880623	20.089 ug/ml
5) T A~2-methylnaphthalene...	7.004	3832785	20.857 ug/ml
6) T n-Tetradecane (C14)	8.167	3800461	20.141 ug/ml
7) T n-Hexadecane (C16)	9.762	3814966	20.182 ug/ml
8) T n-Octadecane (C18)	11.198	3786793	20.065 ug/ml
10) T n-Eicosane (C20)	12.501	3583988	19.935 ug/ml
11) T n-Heneicosane (C21)	13.110	3483789	19.843 ug/ml
13) T n-Docosane (C22)	13.694	3393955	19.759 ug/ml
14) T n-Tetracosane (C24)	14.792	3267841	19.620 ug/ml
15) T n-Hexacosane (C26)	15.808	3143177	19.583 ug/ml
16) T n-Octacosane (C28)	16.753	3067514	19.601 ug/ml
17) T n-Tricontane (C30)	17.638	3129824	19.760 ug/ml
18) T n-Dotriacontane (C32)	18.467	3112927	19.715 ug/ml
19) T n-Tetratriacontane (C34)	19.247	3002793	19.672 ug/mlm
20) T n-Hexatriacontane (C36)	19.983	2921566	19.363 ug/ml
21) T n-Octatriacontane (C38)	20.704	2939382	19.752 ug/ml
22) T n-Tetracontane (C40)	21.579	3264073	22.193 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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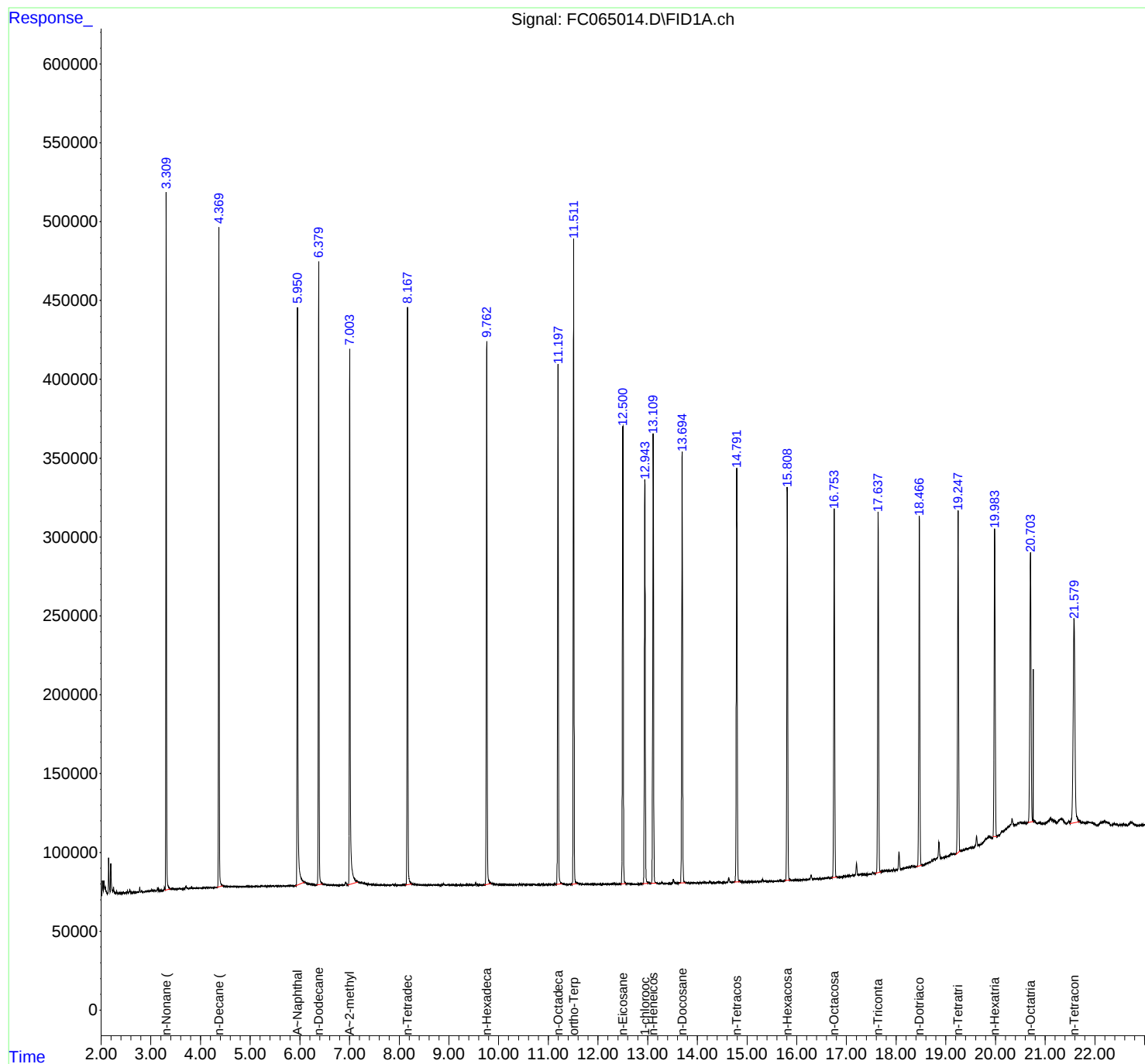
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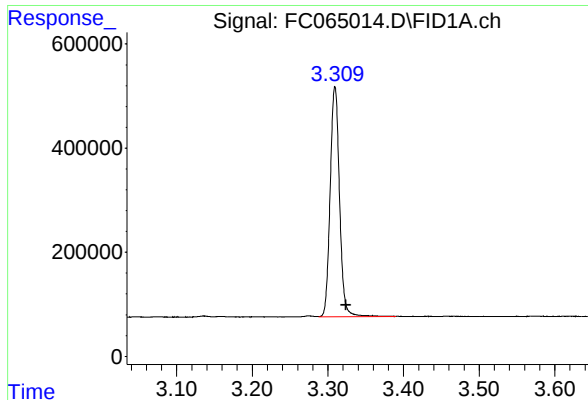
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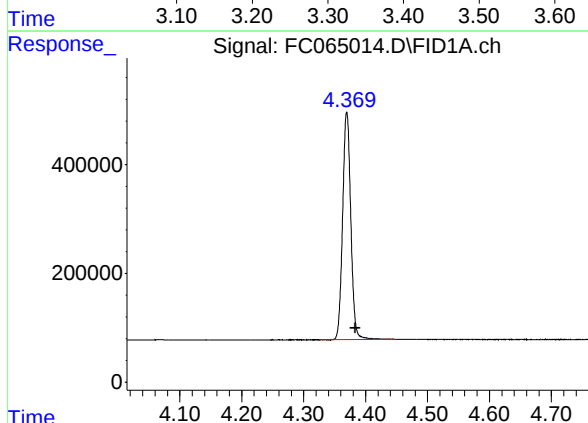
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.015 min
Response: 3800677
Conc: 20.10 ug/ml

Instrument : FID_C
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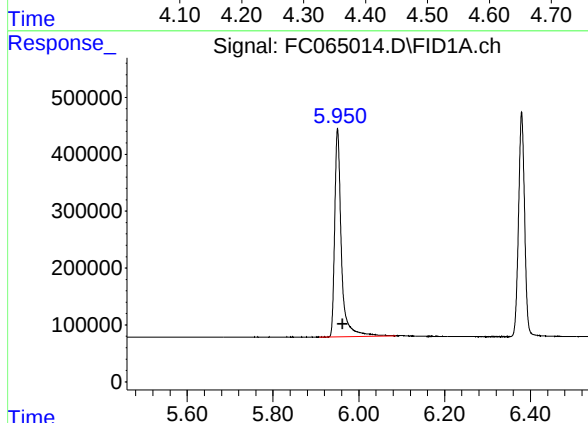
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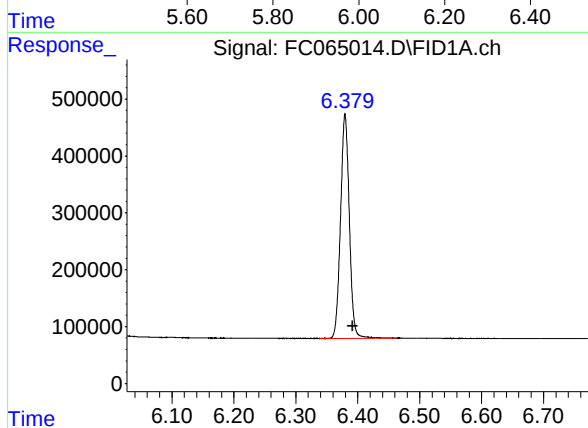
#2 n-Decane (C10)

R.T.: 4.370 min
Delta R.T.: -0.014 min
Response: 3836521
Conc: 20.18 ug/ml



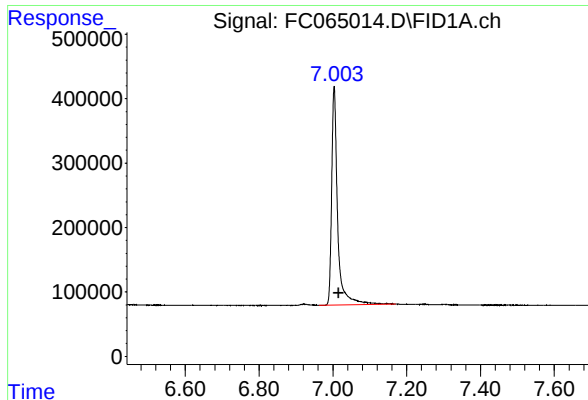
#3 A~Naphthalene (C11.7)

R.T.: 5.951 min
Delta R.T.: -0.012 min
Response: 3955497
Conc: 20.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.012 min
Response: 3880623
Conc: 20.09 ug/ml



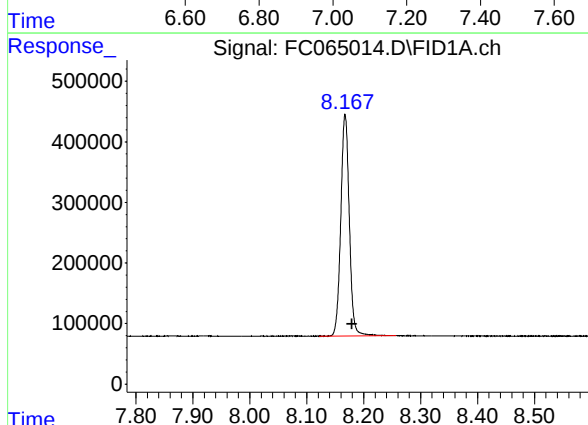
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
Delta R.T.: -0.012 min
Response: 3832785
Conc: 20.86 ug/ml

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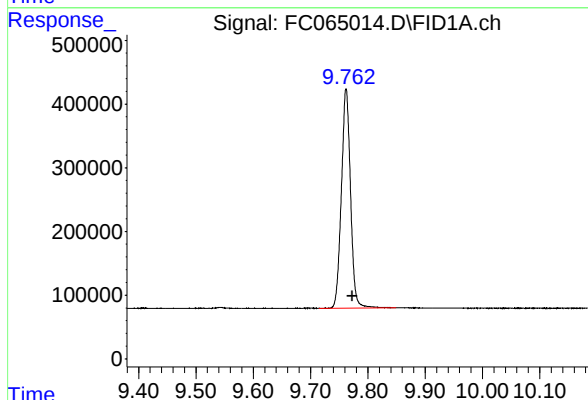
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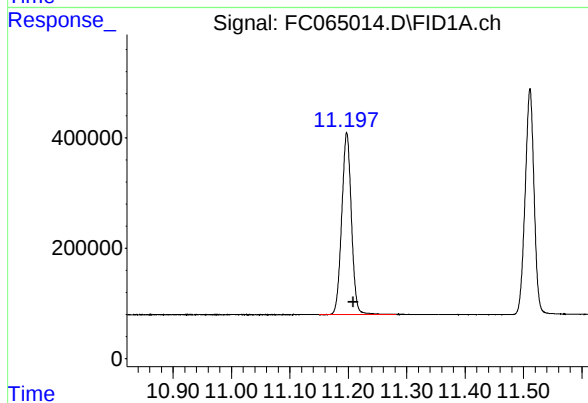
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: -0.012 min
Response: 3800461
Conc: 20.14 ug/ml



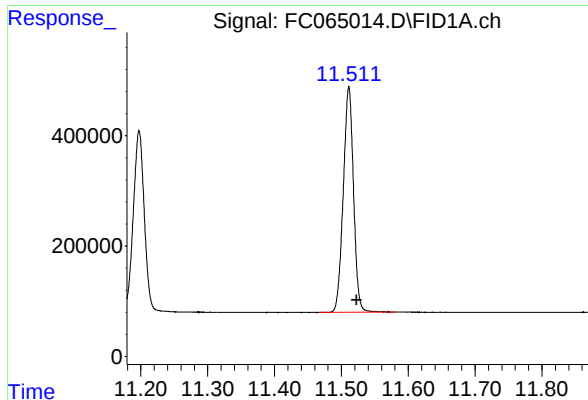
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: -0.011 min
Response: 3814966
Conc: 20.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.198 min
Delta R.T.: -0.011 min
Response: 3786793
Conc: 20.06 ug/ml



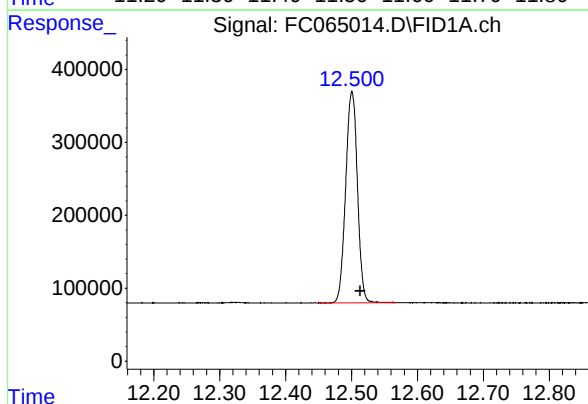
#9 ortho-Terphenyl (SURR)

R.T.: 11.511 min
Delta R.T.: -0.012 min
Response: 4351843
Conc: 19.77 ug/ml

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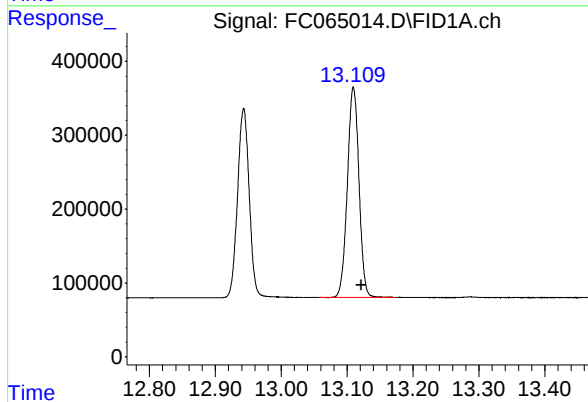
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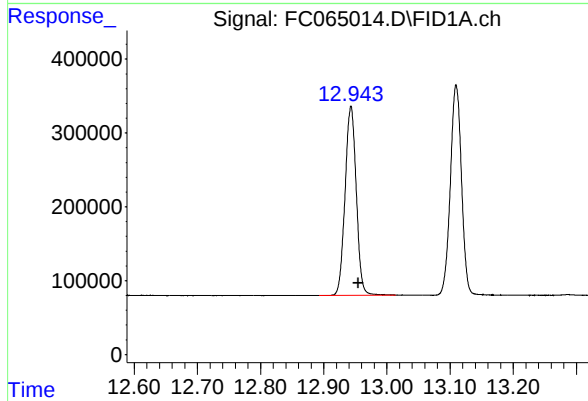
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: -0.013 min
Response: 3583988
Conc: 19.94 ug/ml



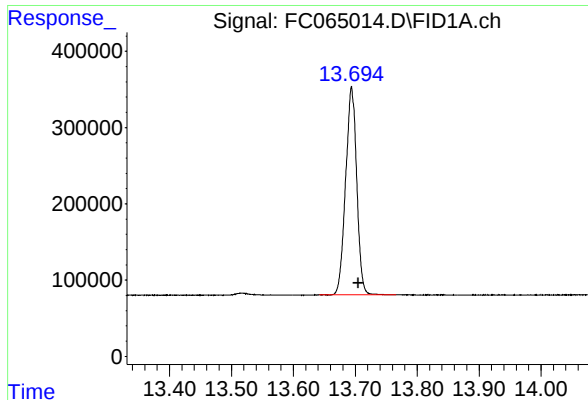
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: -0.012 min
Response: 3483789
Conc: 19.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: -0.012 min
Response: 3148429
Conc: 19.92 ug/ml



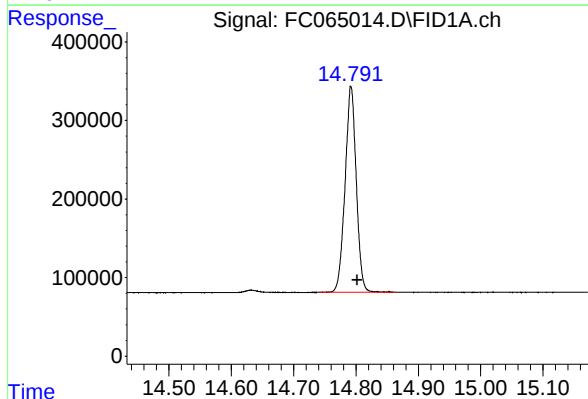
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: -0.011 min
Response: 3393955
Conc: 19.76 ug/ml

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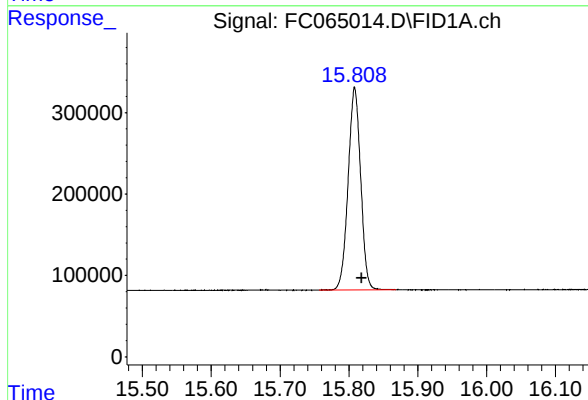
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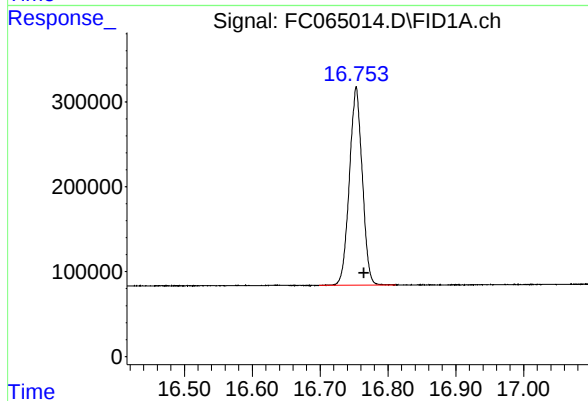
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: -0.010 min
Response: 3267841
Conc: 19.62 ug/ml



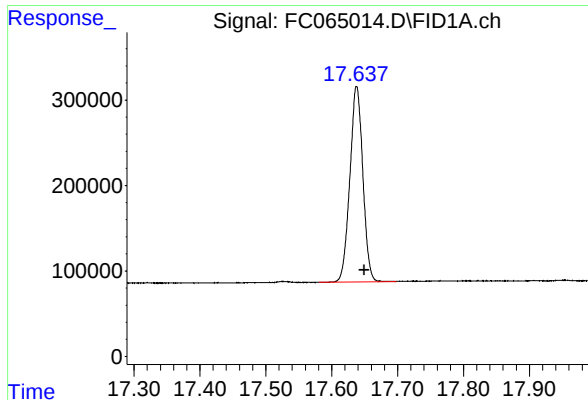
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: -0.010 min
Response: 3143177
Conc: 19.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.753 min
Delta R.T.: -0.011 min
Response: 3067514
Conc: 19.60 ug/ml



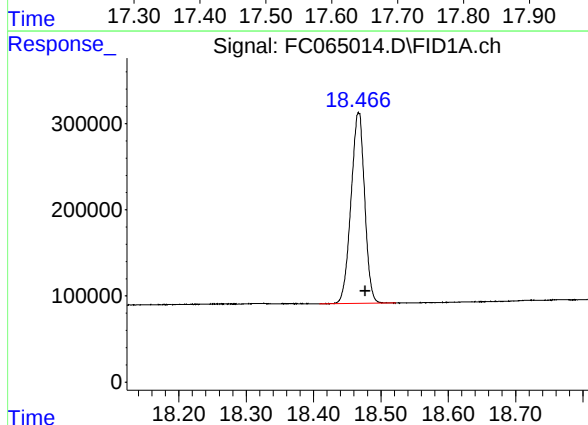
#17 n-Tricontane (C30)

R.T.: 17.638 min
Delta R.T.: -0.012 min
Response: 3129824
Conc: 19.76 ug/ml

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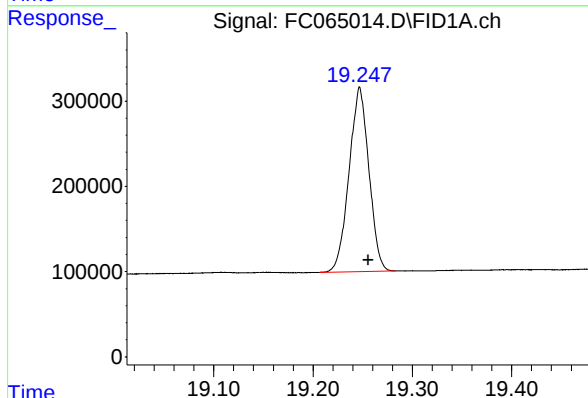
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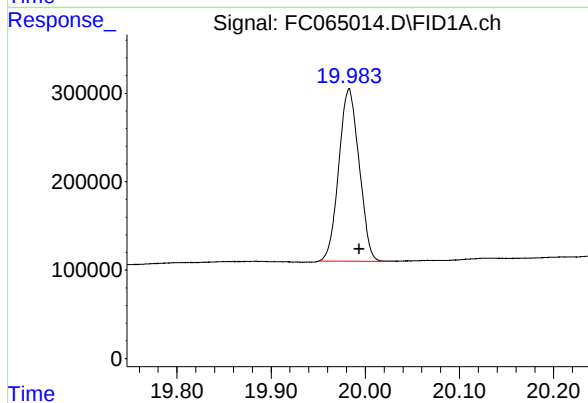
#18 n-Dotriacontane (C32)

R.T.: 18.467 min
Delta R.T.: -0.010 min
Response: 3112927
Conc: 19.72 ug/ml



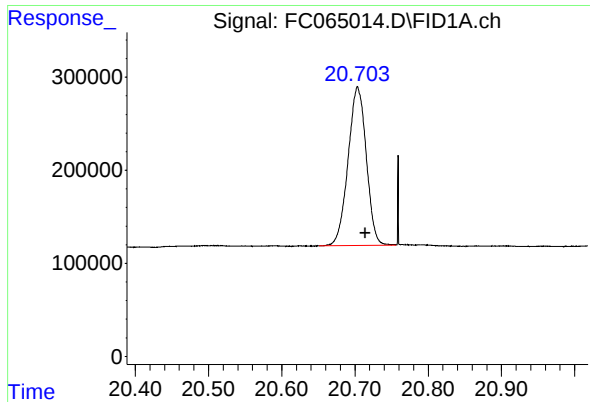
#19 n-Tetratriacontane (C34)

R.T.: 19.247 min
Delta R.T.: -0.009 min
Response: 3002793
Conc: 19.67 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.983 min
Delta R.T.: -0.011 min
Response: 2921566
Conc: 19.36 ug/ml



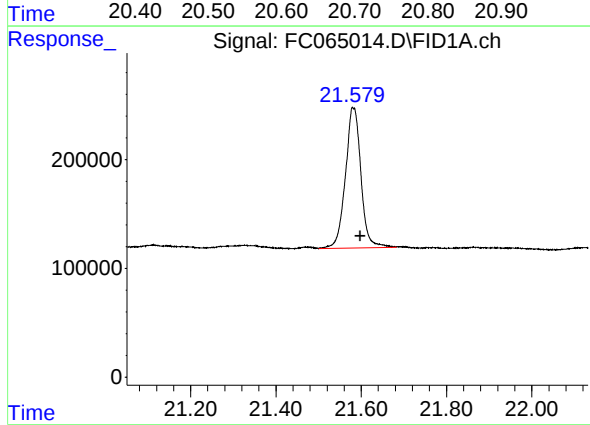
#21 n-Octatriacontane (C38)

R.T.: 20.704 min
Delta R.T.: -0.011 min
Response: 2939382
Conc: 19.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.579 min
Delta R.T.: -0.019 min
Response: 3264073
Conc: 22.19 ug/ml m