

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121223AL\
 Data File : FC065388.D
 Signal(s) : FID1A.ch
 Acq On : 12 Dec 2023 13:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2023
 Supervised By :Ankita Jodhani 12/13/2023

Integration File: autoint1.e
 Quant Time: Dec 12 22:35:14 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)	11.501	4162278	17.941 ug/ml
Spiked Amount 50.000		Recovery =	35.88%
12) S 1-chlorooctadecane (S...	12.934	2997018	18.100 ug/ml
Spiked Amount 50.000		Recovery =	36.20%
Target Compounds			
1) T n-Nonane (C9)	3.299	3362820	16.794 ug/ml
2) T n-Decane (C10)	4.359	3565806	17.741 ug/ml
3) T A~Naphthalene (C11.7)	5.940	3602669	17.745 ug/mlm
4) T n-Dodecane (C12)	6.369	3592871	17.668 ug/ml
5) T A~2-methylnaphthalene...	6.995	3492931	17.971 ug/ml
6) T n-Tetradecane (C14)	8.157	3546062	17.843 ug/ml
7) T n-Hexadecane (C16)	9.753	3605610	18.202 ug/ml
8) T n-Octadecane (C18)	11.188	3605976	18.206 ug/ml
10) T n-Eicosane (C20)	12.492	3430175	18.127 ug/ml
11) T n-Heneicosane (C21)	13.100	3332180	18.034 ug/ml
13) T n-Docosane (C22)	13.684	3278135	18.170 ug/ml
14) T n-Tetracosane (C24)	14.780	3195288	18.430 ug/ml
15) T n-Hexacosane (C26)	15.796	3108941	18.671 ug/ml
16) T n-Octacosane (C28)	16.741	3151155	19.702 ug/ml
17) T n-Tricontane (C30)	17.624	3415093	21.448 ug/ml
18) T n-Dotriacontane (C32)	18.454	3497868	22.251 ug/ml
19) T n-Tetratriacontane (C34)	19.233	3281615	21.265 ug/ml
20) T n-Hexatriacontane (C36)	19.969	3075037	20.061 ug/ml
21) T n-Octatriacontane (C38)	20.689	2915245	19.172 ug/ml
22) T n-Tetracontane (C40)	21.565	2838868	18.938 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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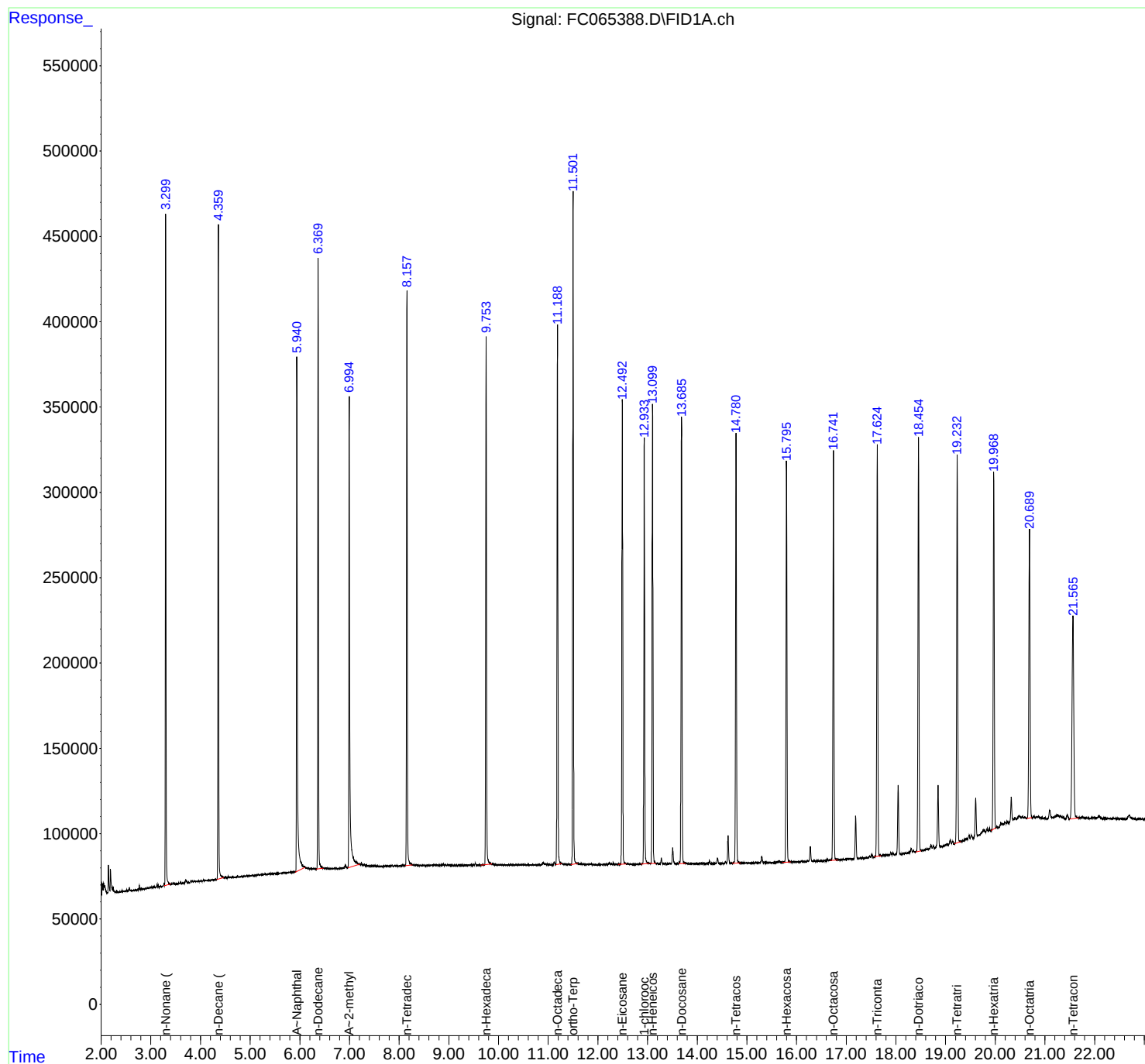
Instrument :
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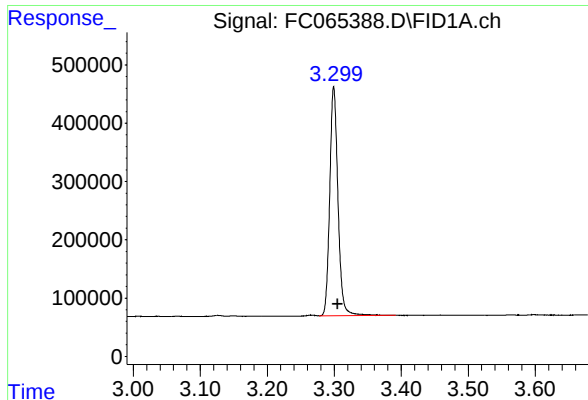
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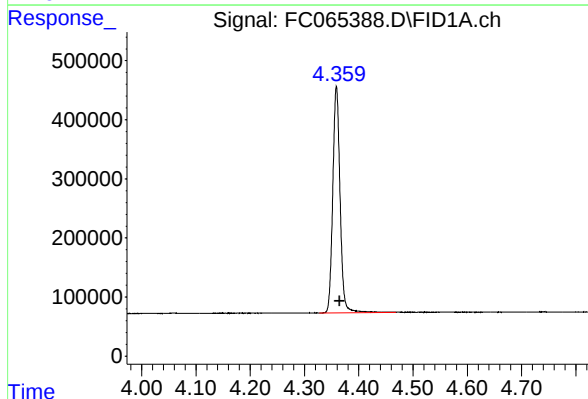
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: -0.006 min
Response: 3362820
Conc: 16.79 ug/ml

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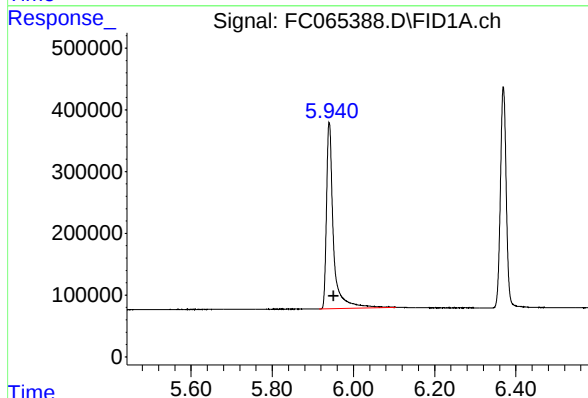
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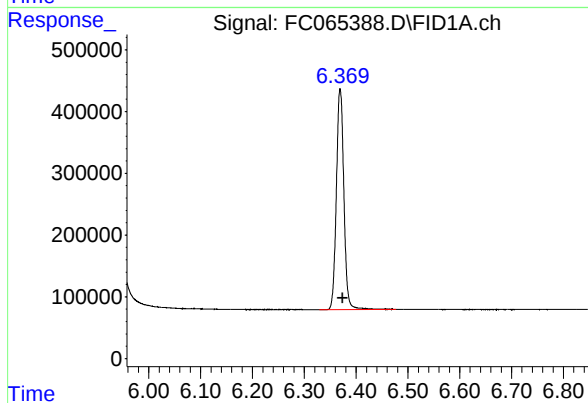
#2 n-Decane (C10)

R.T.: 4.359 min
Delta R.T.: -0.006 min
Response: 3565806
Conc: 17.74 ug/ml



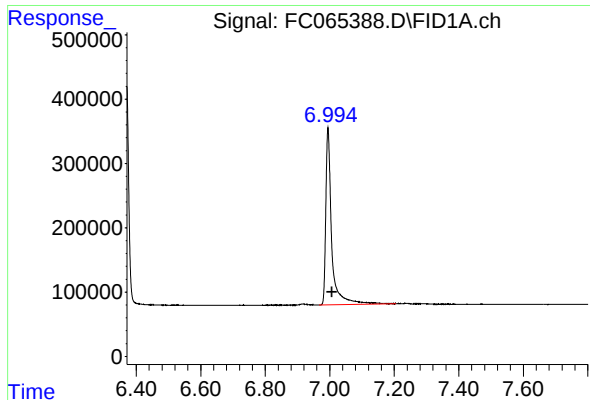
#3 A~Naphthalene (C11.7)

R.T.: 5.940 min
Delta R.T.: -0.012 min
Response: 3602669
Conc: 17.74 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.369 min
Delta R.T.: -0.005 min
Response: 3592871
Conc: 17.67 ug/ml



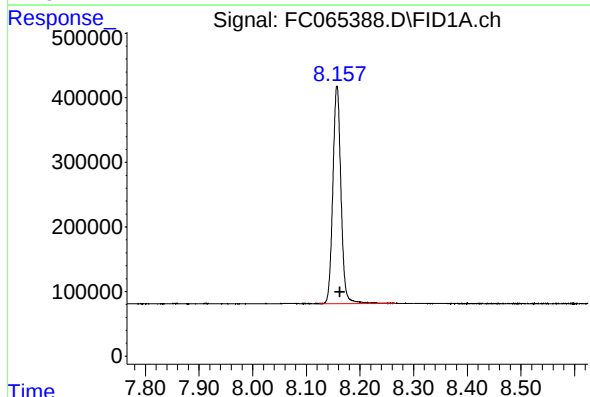
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.995 min
Delta R.T.: -0.012 min
Response: 3492931
Conc: 17.97 ug/ml

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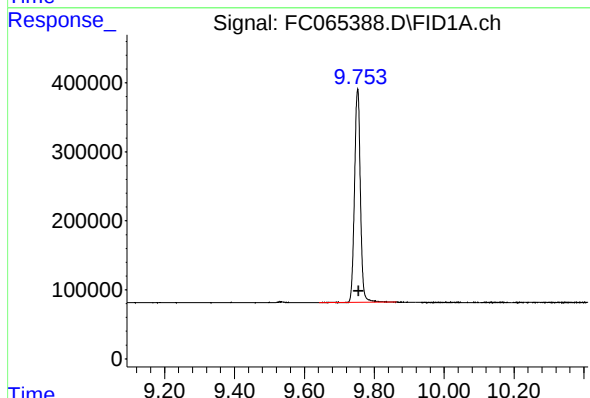
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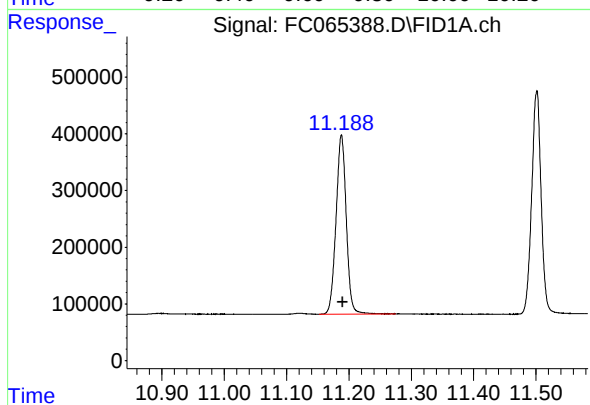
#6 n-Tetradecane (C14)

R.T.: 8.157 min
Delta R.T.: -0.005 min
Response: 3546062
Conc: 17.84 ug/ml



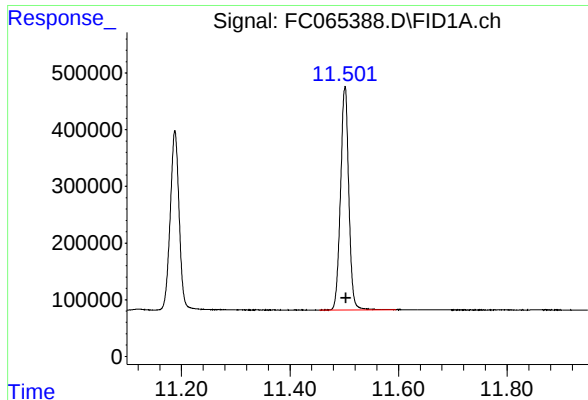
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: -0.003 min
Response: 3605610
Conc: 18.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.188 min
Delta R.T.: -0.002 min
Response: 3605976
Conc: 18.21 ug/ml



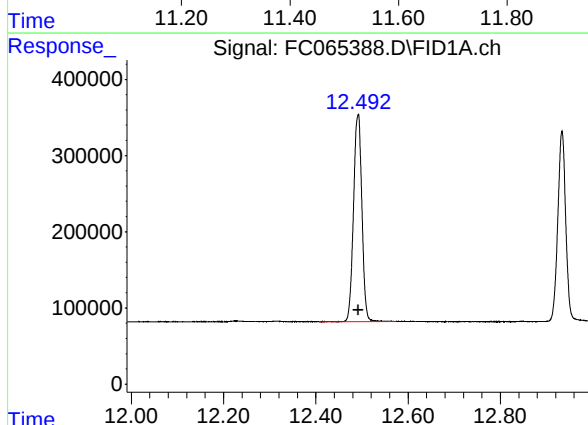
#9 ortho-Terphenyl (SURR)

R.T.: 11.501 min
Delta R.T.: -0.002 min
Response: 4162278
Conc: 17.94 ug/ml

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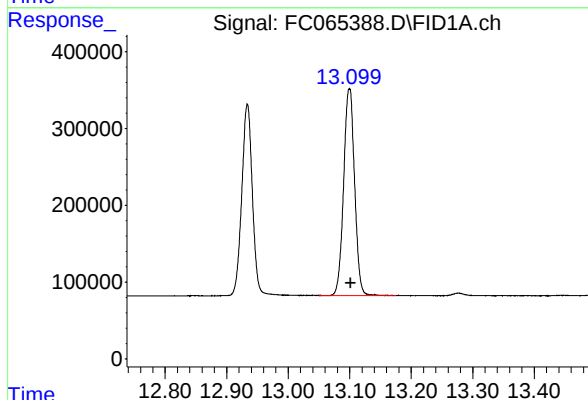
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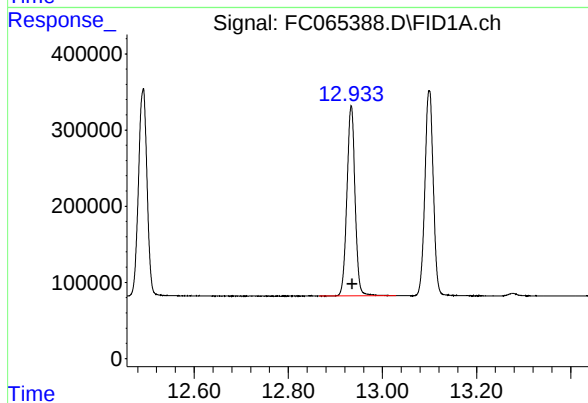
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: -0.001 min
Response: 3430175
Conc: 18.13 ug/ml



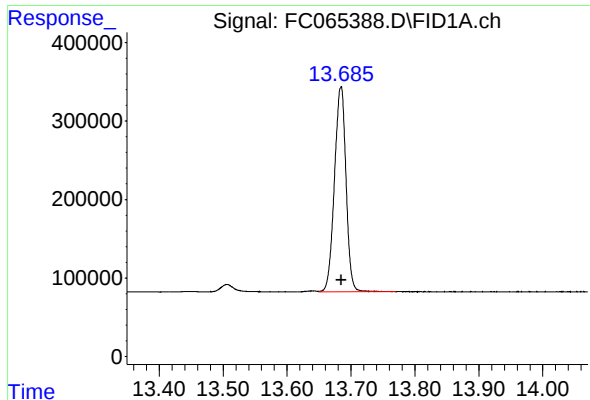
#11 n-Heneicosane (C21)

R.T.: 13.100 min
Delta R.T.: -0.002 min
Response: 3332180
Conc: 18.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.934 min
Delta R.T.: -0.002 min
Response: 2997018
Conc: 18.10 ug/ml



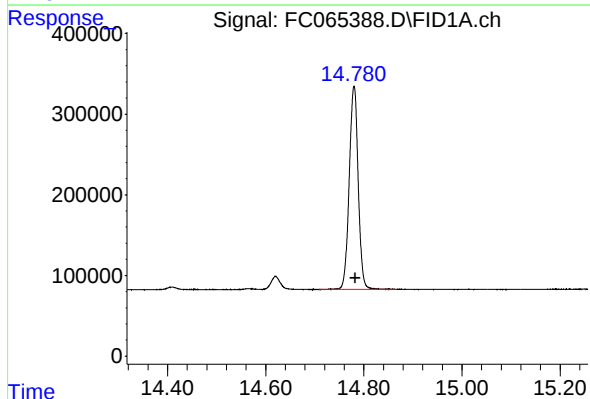
#13 n-Docosane (C22)

R.T.: 13.684 min
Delta R.T.: 0.000 min
Response: 3278135
Conc: 18.17 ug/ml

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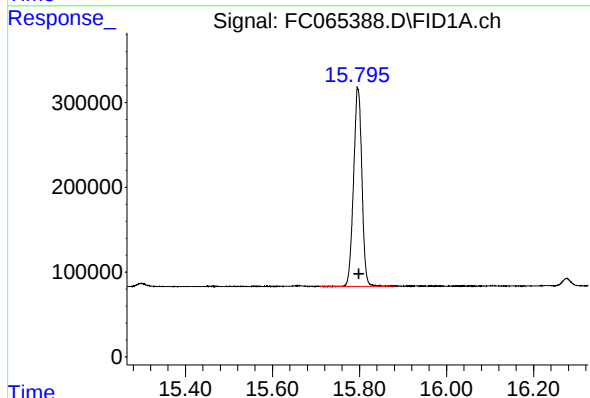
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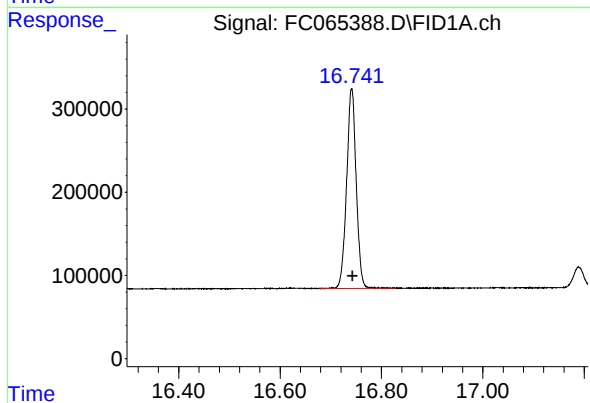
#14 n-Tetracosane (C24)

R.T.: 14.780 min
Delta R.T.: -0.003 min
Response: 3195288
Conc: 18.43 ug/ml



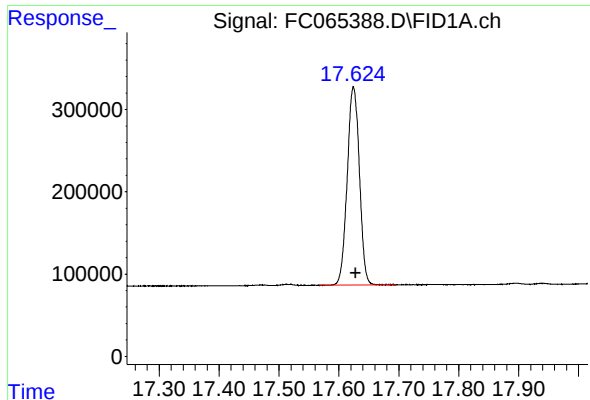
#15 n-Hexacosane (C26)

R.T.: 15.796 min
Delta R.T.: -0.003 min
Response: 3108941
Conc: 18.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.741 min
Delta R.T.: -0.002 min
Response: 3151155
Conc: 19.70 ug/ml



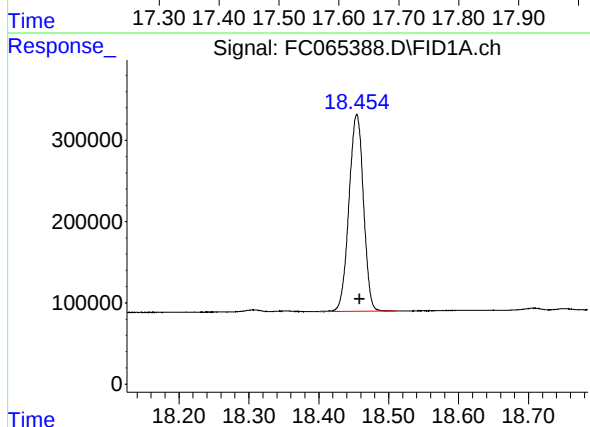
#17 n-Tricontane (C30)

R.T.: 17.624 min
Delta R.T.: -0.004 min
Response: 3415093
Conc: 21.45 ug/ml

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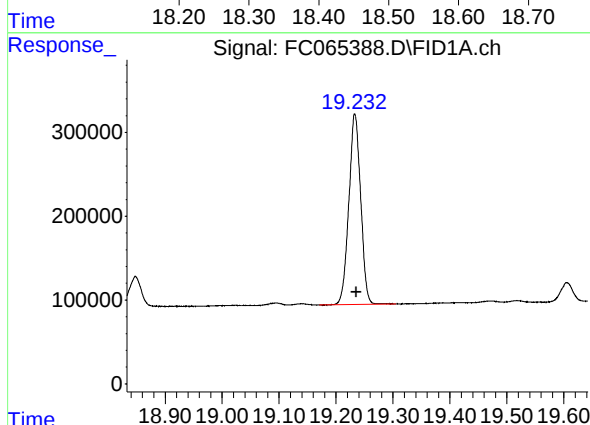
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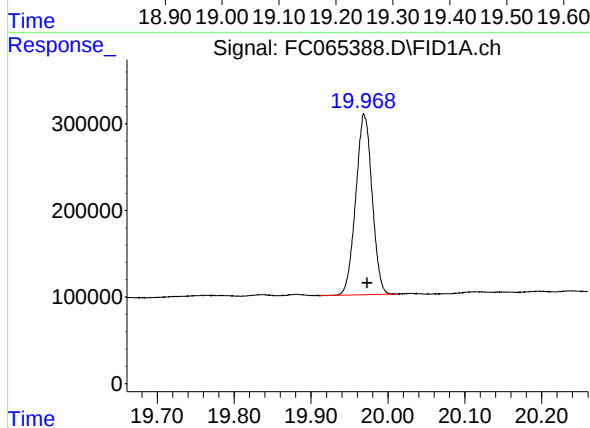
#18 n-Dotriacontane (C32)

R.T.: 18.454 min
Delta R.T.: -0.004 min
Response: 3497868
Conc: 22.25 ug/ml



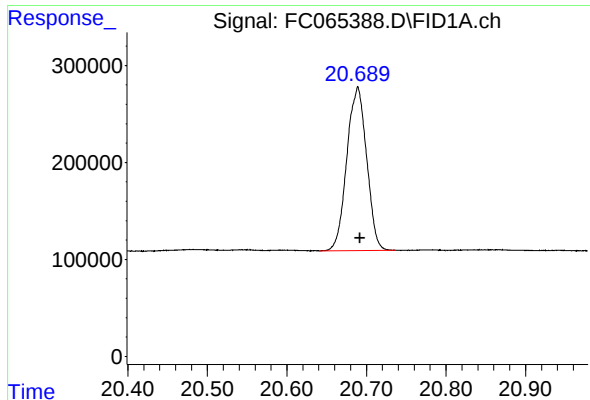
#19 n-Tetratriacontane (C34)

R.T.: 19.233 min
Delta R.T.: -0.002 min
Response: 3281615
Conc: 21.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.969 min
Delta R.T.: -0.004 min
Response: 3075037
Conc: 20.06 ug/ml



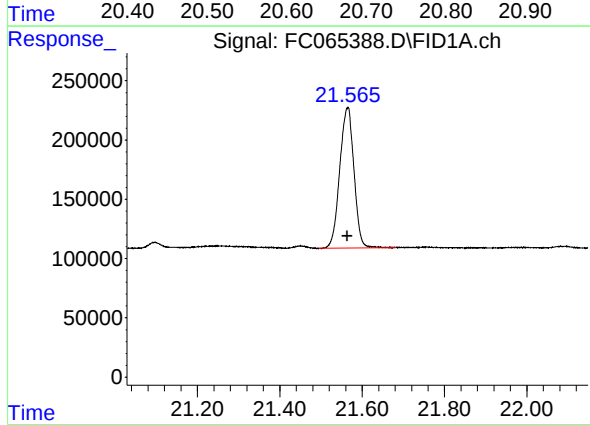
#21 n-Octatriacontane (C38)

R.T.: 20.689 min
Delta R.T.: -0.003 min
Response: 2915245
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.565 min
Delta R.T.: 0.002 min
Response: 2838868
Conc: 18.94 ug/ml