

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121423AL\
 Data File : FC065459.D
 Signal(s) : FID1A.ch
 Acq On : 14 Dec 2023 23:45
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :Ankita Jodhani 12/15/2023

Integration File: autoint1.e
 Quant Time: Dec 15 04:38:17 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)	11.504	4436259	19.122 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
12) S 1-chlorooctadecane (S...	12.938	3264449	19.715 ug/ml
Spiked Amount 50.000		Recovery =	39.43%
Target Compounds			
1) T n-Nonane (C9)	3.301	3777900	18.867 ug/ml
2) T n-Decane (C10)	4.360	3971863	19.761 ug/ml
3) T A~Naphthalene (C11.7)	5.943	4006513	19.734 ug/ml
4) T n-Dodecane (C12)	6.373	4020993	19.773 ug/ml
5) T A~2-methylnaphthalene...	6.998	3871222	19.918 ug/ml
6) T n-Tetradecane (C14)	8.162	3899203	19.620 ug/ml
7) T n-Hexadecane (C16)	9.756	3874642	19.560 ug/ml
8) T n-Octadecane (C18)	11.190	3857535	19.476 ug/ml
10) T n-Eicosane (C20)	12.494	3683682	19.466 ug/ml
11) T n-Heneicosane (C21)	13.103	3554164	19.235 ug/ml
13) T n-Docosane (C22)	13.687	3563972	19.755 ug/ml
14) T n-Tetracosane (C24)	14.785	3559364	20.530 ug/ml
15) T n-Hexacosane (C26)	15.800	3530195	21.201 ug/ml
16) T n-Octacosane (C28)	16.746	3590171	22.447 ug/ml
17) T n-Tricontane (C30)	17.631	3799376	23.861 ug/ml
18) T n-Dotriacontane (C32)	18.460	3811571	24.246 ug/ml
19) T n-Tetratriacontane (C34)	19.239	3439742	22.290 ug/mlm
20) T n-Hexatriacontane (C36)	19.977	3314937	21.626 ug/mlm
21) T n-Octatriacontane (C38)	20.694	3452092	22.702 ug/mlm
22) T n-Tetracontane (C40)	21.575	3429982	22.881 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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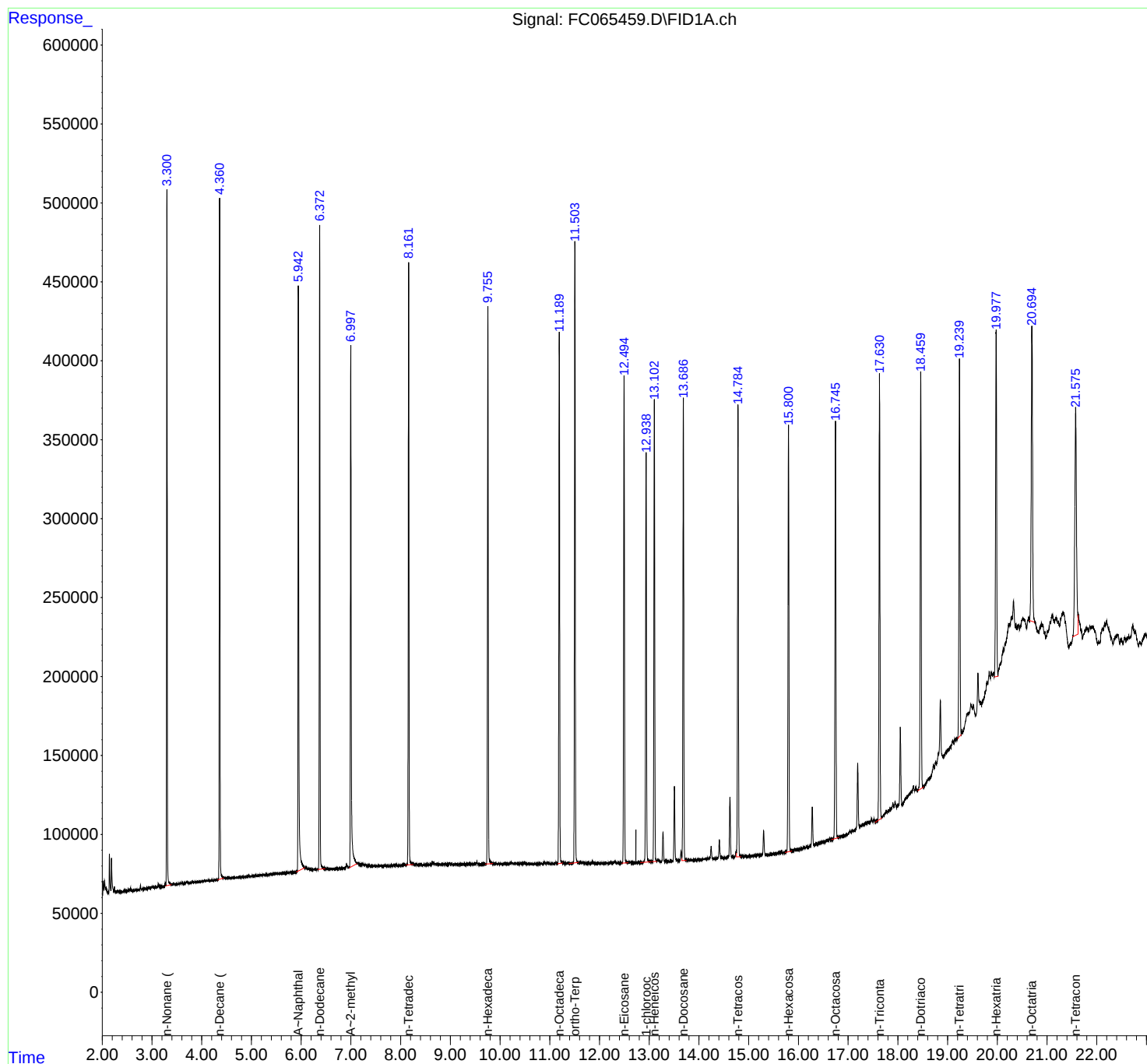
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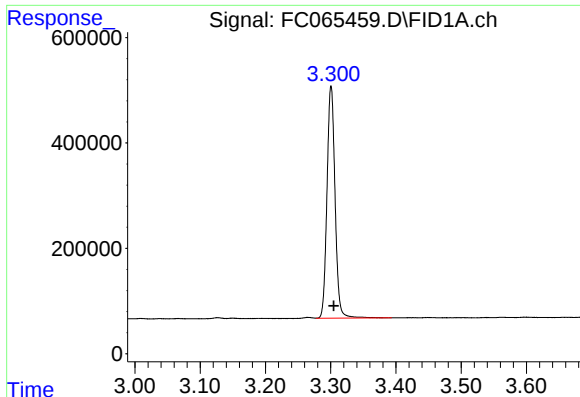
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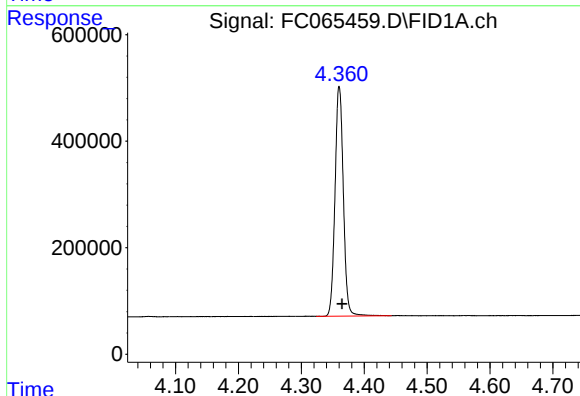
#1 n-Nonane (C9)

R.T.: 3.301 min
Delta R.T.: -0.004 min
Response: 3777900
Conc: 18.87 ug/ml

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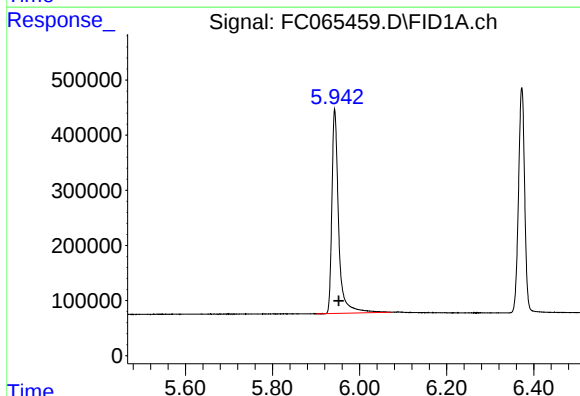
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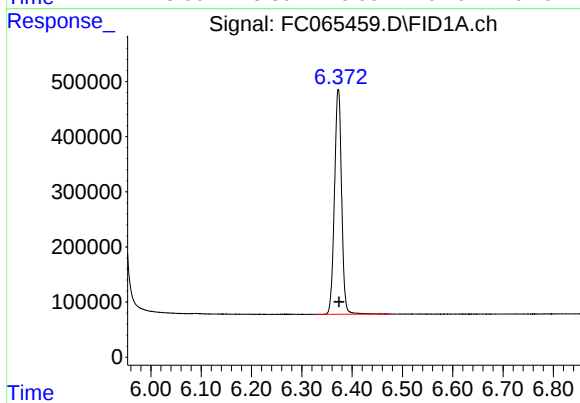
#2 n-Decane (C10)

R.T.: 4.360 min
Delta R.T.: -0.005 min
Response: 3971863
Conc: 19.76 ug/ml



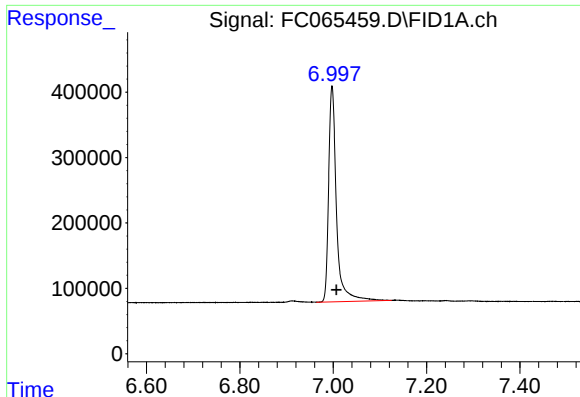
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min
Delta R.T.: -0.009 min
Response: 4006513
Conc: 19.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.373 min
Delta R.T.: -0.002 min
Response: 4020993
Conc: 19.77 ug/ml



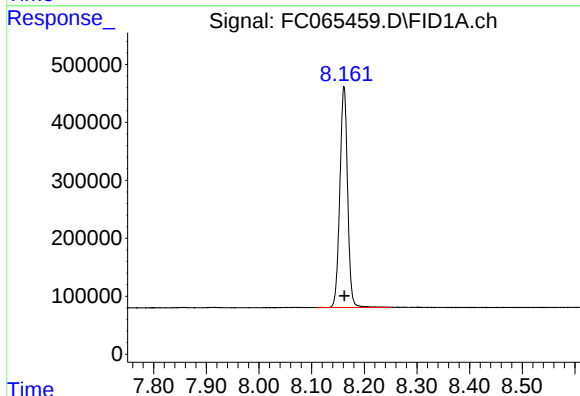
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.998 min
Delta R.T.: -0.009 min
Response: 3871222
Conc: 19.92 ug/ml

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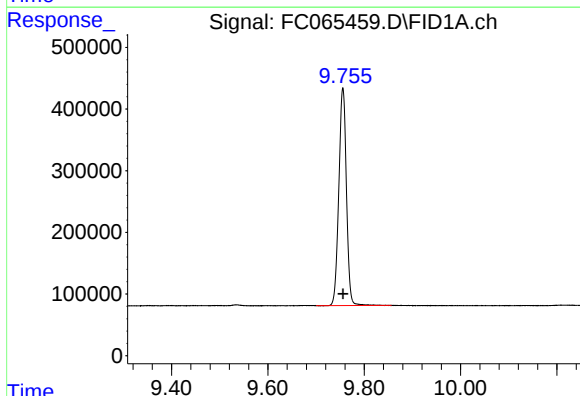
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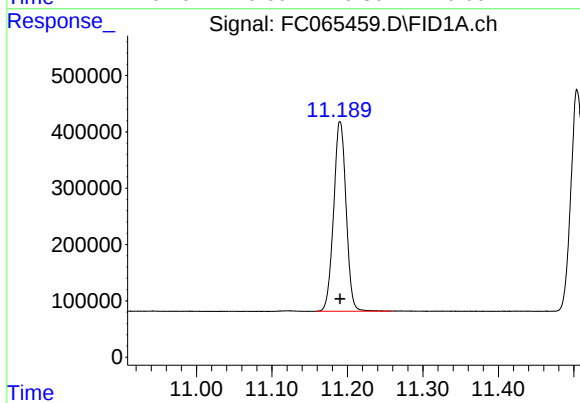
#6 n-Tetradecane (C14)

R.T.: 8.162 min
Delta R.T.: 0.000 min
Response: 3899203
Conc: 19.62 ug/ml



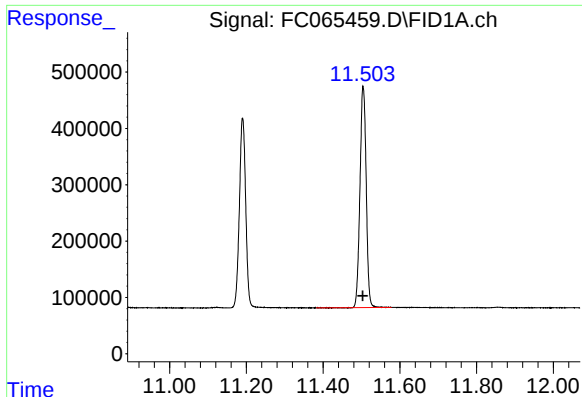
#7 n-Hexadecane (C16)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 3874642
Conc: 19.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.190 min
Delta R.T.: 0.000 min
Response: 3857535
Conc: 19.48 ug/ml



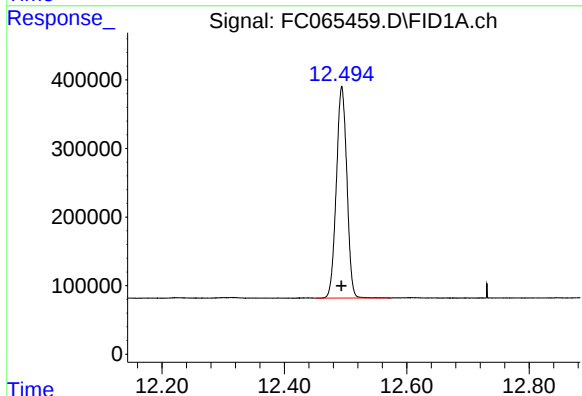
#9 ortho-Terphenyl (SURR)

R.T.: 11.504 min
Delta R.T.: 0.001 min
Response: 4436259
Conc: 19.12 ug/ml

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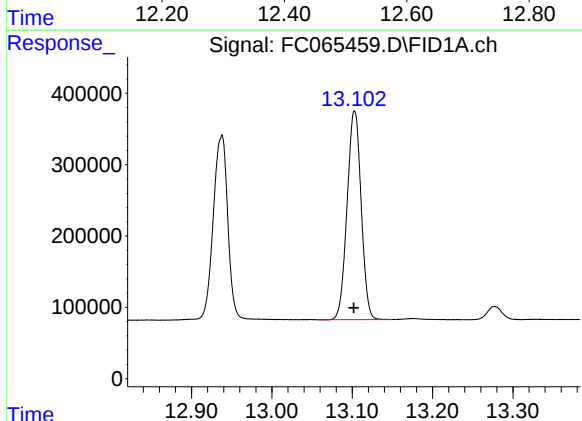
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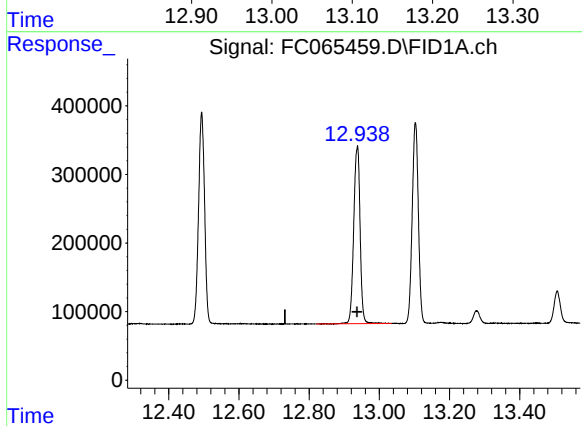
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.001 min
Response: 3683682
Conc: 19.47 ug/ml



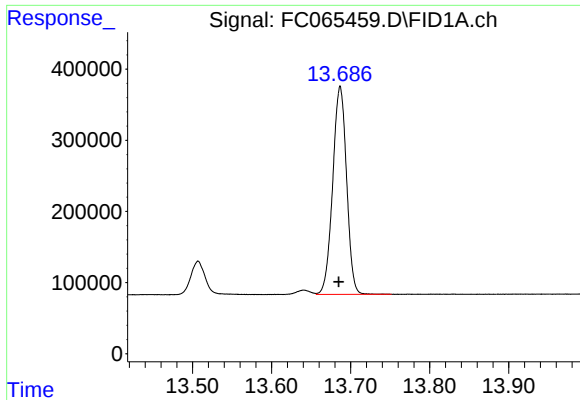
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 3554164
Conc: 19.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.002 min
Response: 3264449
Conc: 19.71 ug/ml



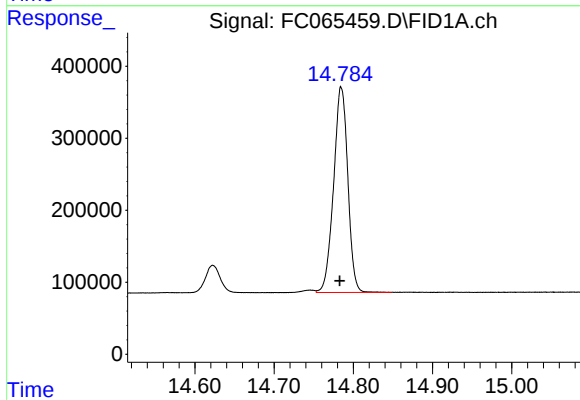
#13 n-Docosane (C22)

R.T.: 13.687 min
Delta R.T.: 0.002 min
Response: 3563972
Conc: 19.75 ug/ml

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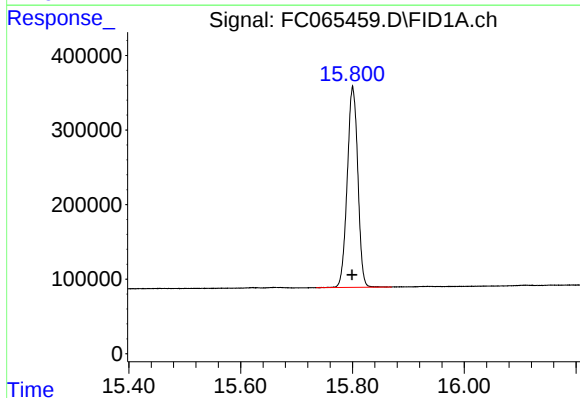
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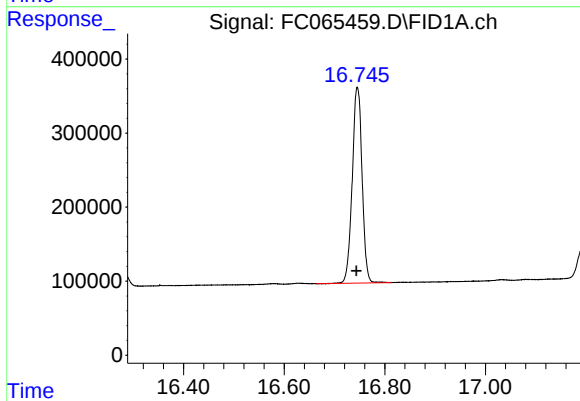
#14 n-Tetracosane (C24)

R.T.: 14.785 min
Delta R.T.: 0.002 min
Response: 3559364
Conc: 20.53 ug/ml



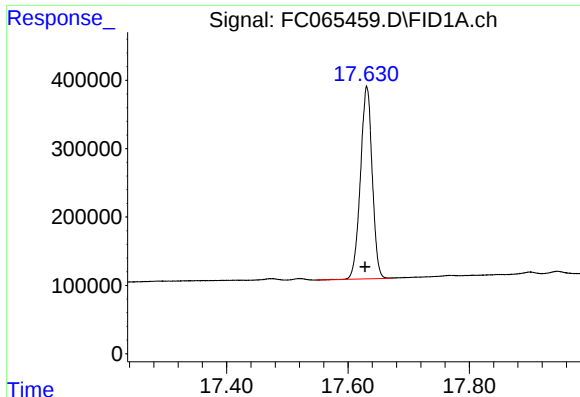
#15 n-Hexacosane (C26)

R.T.: 15.800 min
Delta R.T.: 0.001 min
Response: 3530195
Conc: 21.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.746 min
Delta R.T.: 0.002 min
Response: 3590171
Conc: 22.45 ug/ml



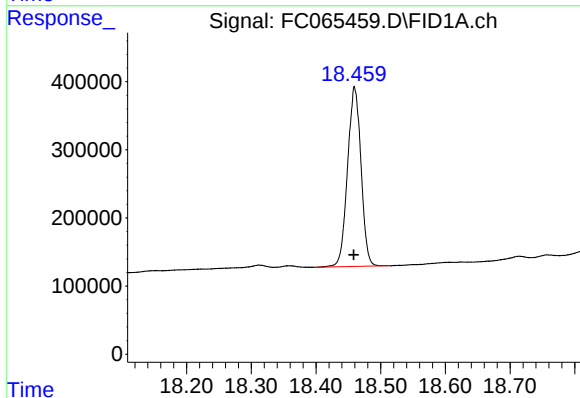
#17 n-Tricontane (C30)

R.T.: 17.631 min
Delta R.T.: 0.003 min
Response: 3799376
Conc: 23.86 ug/ml

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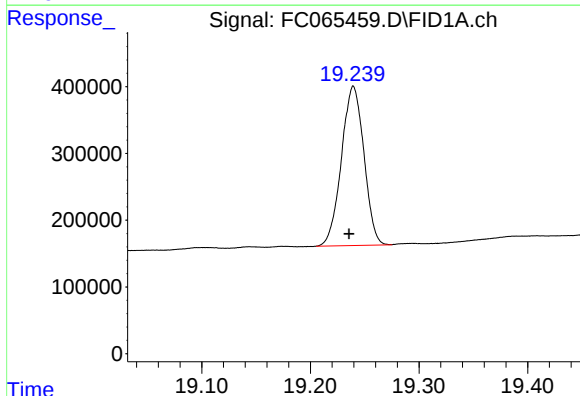
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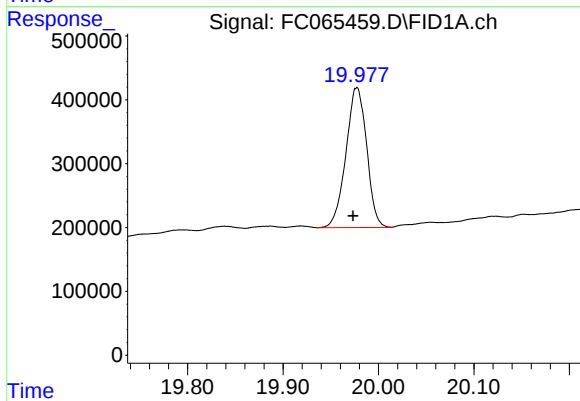
#18 n-Dotriacontane (C32)

R.T.: 18.460 min
Delta R.T.: 0.001 min
Response: 3811571
Conc: 24.25 ug/ml



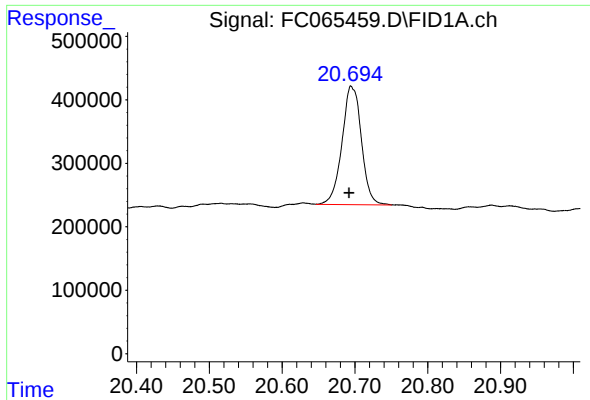
#19 n-Tetratriacontane (C34)

R.T.: 19.239 min
Delta R.T.: 0.004 min
Response: 3439742
Conc: 22.29 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.977 min
Delta R.T.: 0.004 min
Response: 3314937
Conc: 21.63 ug/ml m



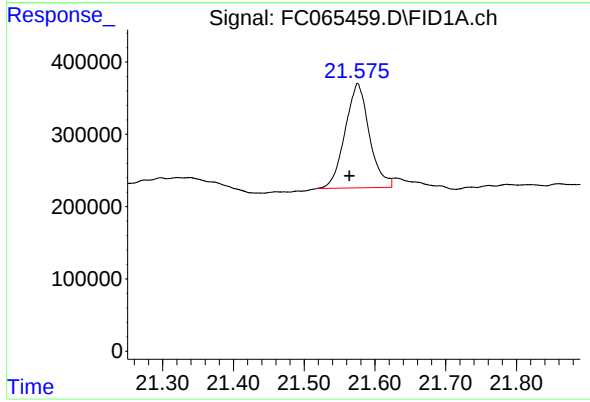
#21 n-Octatriacontane (C38)

R.T.: 20.694 min
Delta R.T.: 0.002 min
Response: 3452092
Conc: 22.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.575 min
Delta R.T.: 0.011 min
Response: 3429982
Conc: 22.88 ug/ml m