

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021424AL\
 Data File : FC065755.D
 Signal(s) : FID1A.ch
 Acq On : 14 Feb 2024 20:22
 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 02/15/2024
 Supervised By :Ankita Jodhani 02/15/2024

Integration File: autoint1.e
 Quant Time: Feb 14 22:43:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:26:08 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)	11.499	3439104	20.049 ug/ml
Spiked Amount 50.000		Recovery =	40.10%
12) S 1-chlorooctadecane (S...	12.930	2563162	20.367 ug/ml
Spiked Amount 50.000		Recovery =	40.73%
Target Compounds			
1) T n-Nonane (C9)	3.290	3009041	20.029 ug/ml
2) T n-Decane (C10)	4.353	3068691	20.183 ug/ml
3) T A~Naphthalene (C11.7)	5.940	3078241	19.961 ug/ml
4) T n-Dodecane (C12)	6.366	3091649	20.200 ug/ml
5) T A~2-methylnaphthalene...	6.995	2921096	20.514 ug/ml
6) T n-Tetradecane (C14)	8.156	3016518	20.318 ug/ml
7) T n-Hexadecane (C16)	9.751	3082080	20.552 ug/ml
8) T n-Octadecane (C18)	11.185	3144987	20.389 ug/ml
10) T n-Eicosane (C20)	12.488	3049883	20.281 ug/ml
11) T n-Heneicosane (C21)	13.096	3023166	20.214 ug/ml
13) T n-Docosane (C22)	13.679	3022627	20.378 ug/ml
14) T n-Tetracosane (C24)	14.776	3032705	20.397 ug/ml
15) T n-Hexacosane (C26)	15.791	3031953	20.460 ug/ml
16) T n-Octacosane (C28)	16.736	3049842	20.785 ug/ml
17) T n-Tricontane (C30)	17.619	3209637	21.381 ug/ml
18) T n-Dotriacontane (C32)	18.449	3201984	21.652 ug/ml
19) T n-Tetratriacontane (C34)	19.228	3100359	21.390 ug/mlm
20) T n-Hexatriacontane (C36)	19.965	2956834	20.831 ug/mlm
21) T n-Octatriacontane (C38)	20.681	2878435	20.335 ug/ml
22) T n-Tetracontane (C40)	21.554	2806709	20.122 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

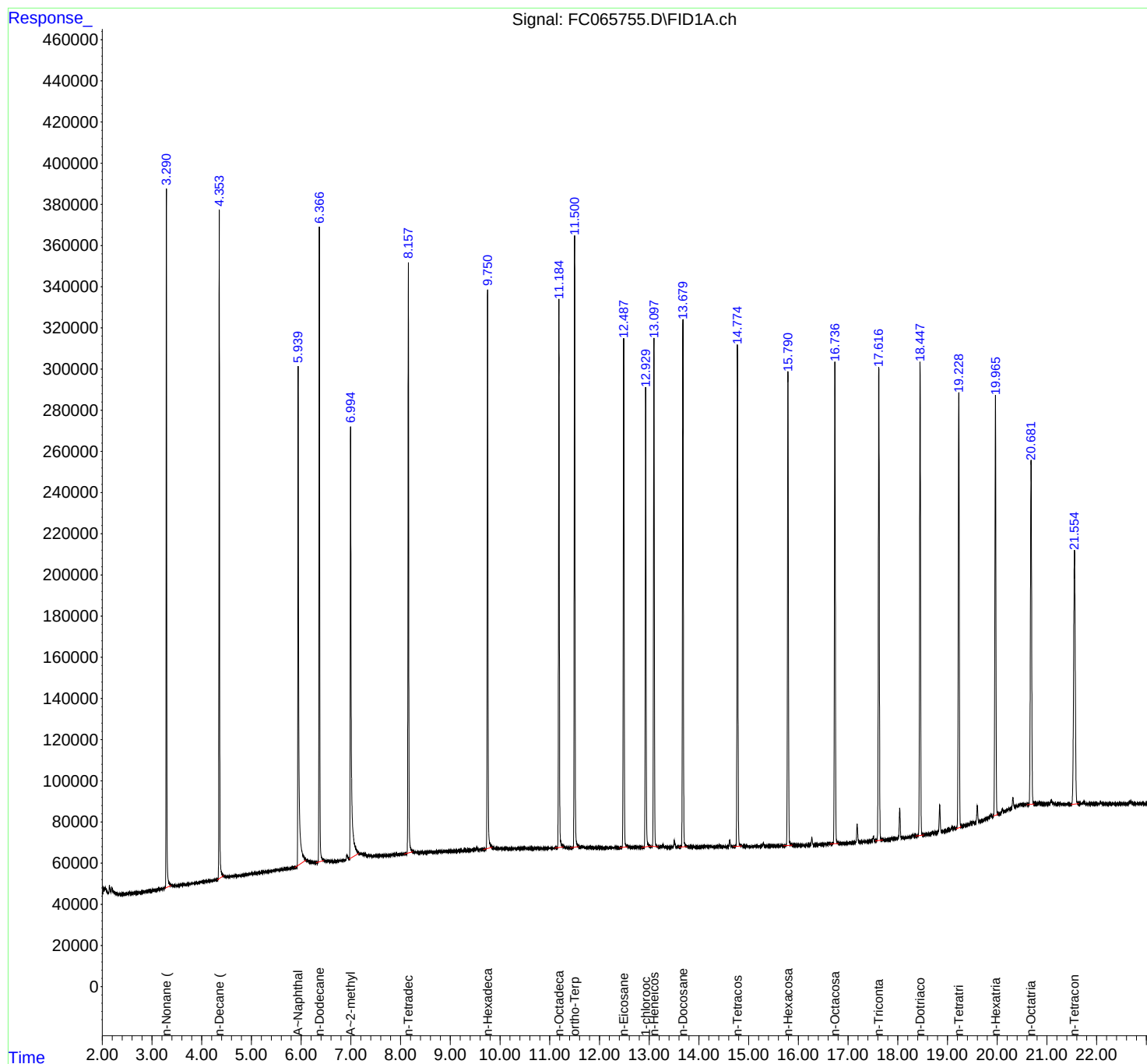
Instrument :
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20 PPM ALIPHATIC HC STD

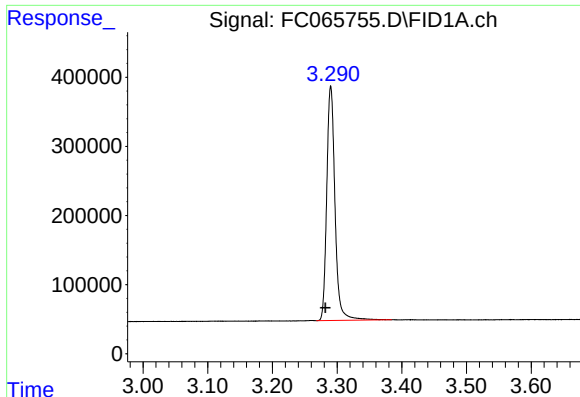
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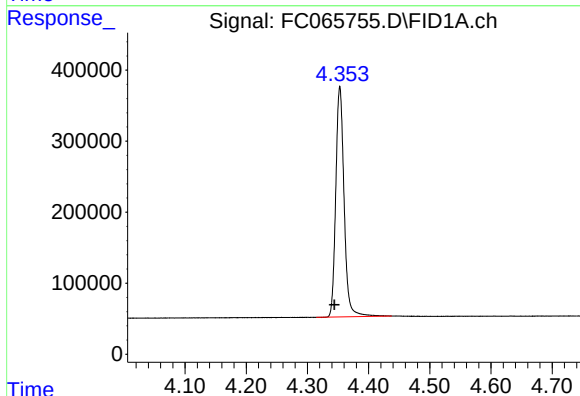
#1 n-Nonane (C9)

R.T.: 3.290 min
Delta R.T.: 0.008 min
Response: 3009041
Conc: 20.03 ug/ml

Instrument :
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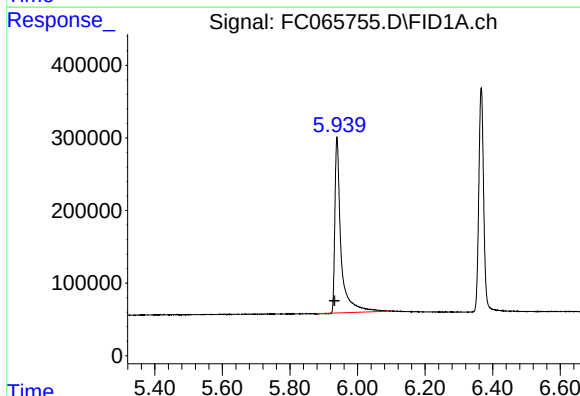
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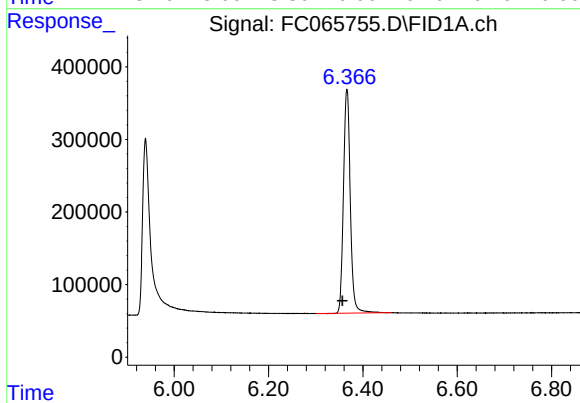
#2 n-Decane (C10)

R.T.: 4.353 min
Delta R.T.: 0.009 min
Response: 3068691
Conc: 20.18 ug/ml



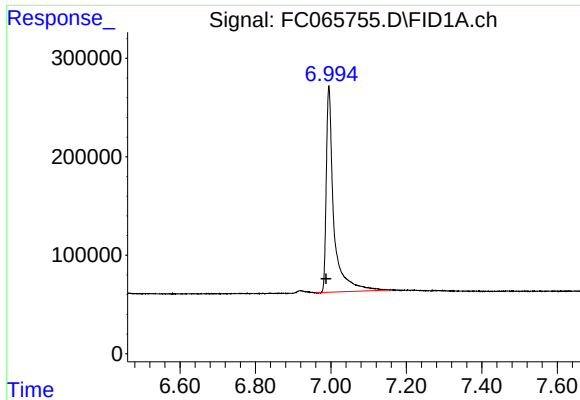
#3 A~Naphthalene (C11.7)

R.T.: 5.940 min
Delta R.T.: 0.008 min
Response: 3078241
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.366 min
Delta R.T.: 0.009 min
Response: 3091649
Conc: 20.20 ug/ml



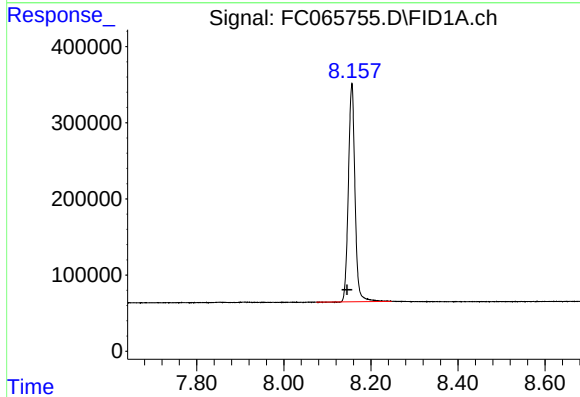
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.995 min
Delta R.T.: 0.008 min
Response: 2921096
Conc: 20.51 ug/ml

Instrument :
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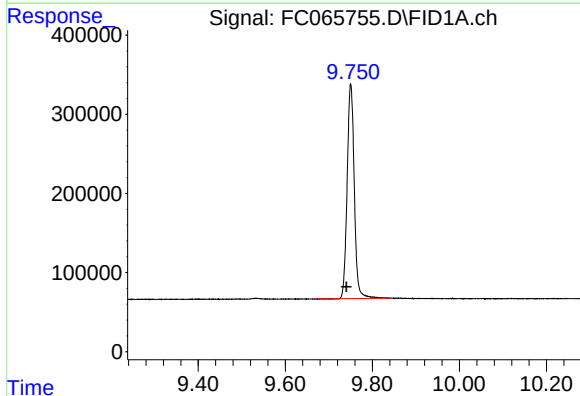
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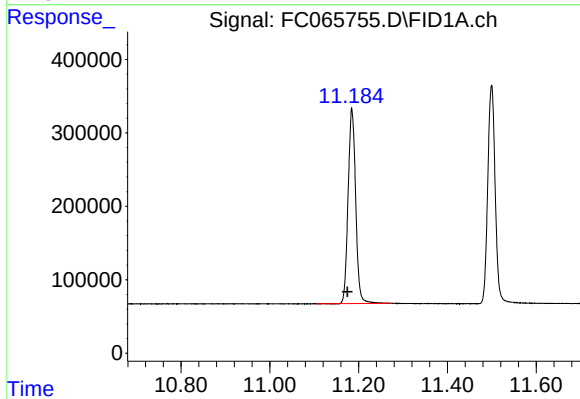
#6 n-Tetradecane (C14)

R.T.: 8.156 min
Delta R.T.: 0.011 min
Response: 3016518
Conc: 20.32 ug/ml



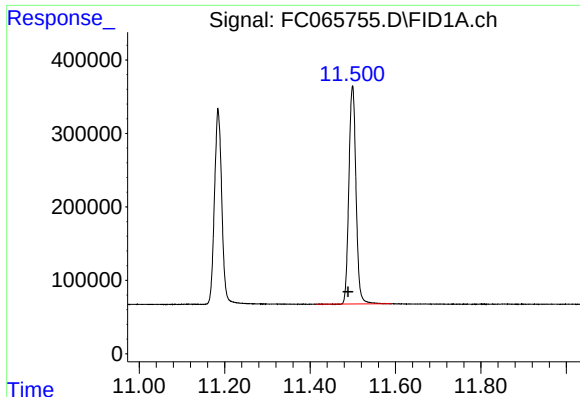
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.010 min
Response: 3082080
Conc: 20.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: 0.010 min
Response: 3144987
Conc: 20.39 ug/ml



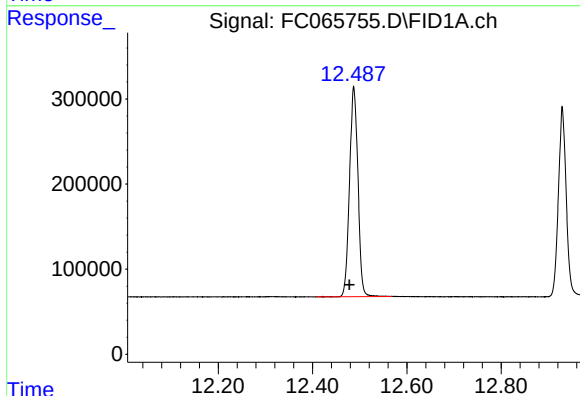
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: 0.011 min
Response: 3439104
Conc: 20.05 ug/ml

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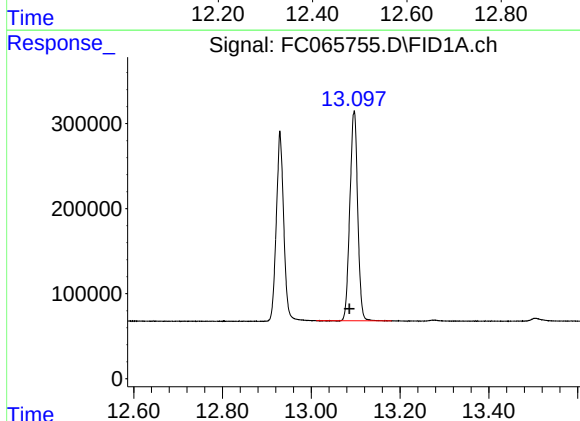
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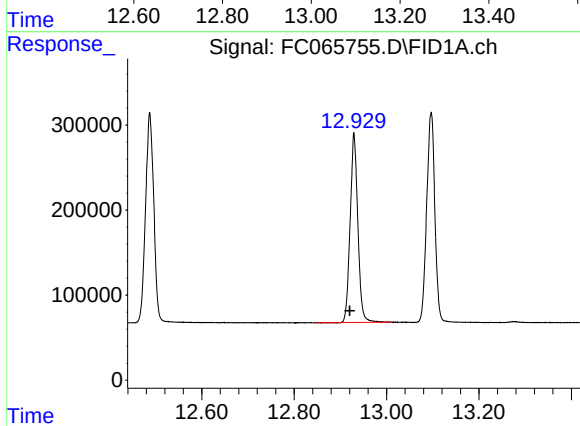
#10 n-Eicosane (C20)

R.T.: 12.488 min
Delta R.T.: 0.010 min
Response: 3049883
Conc: 20.28 ug/ml



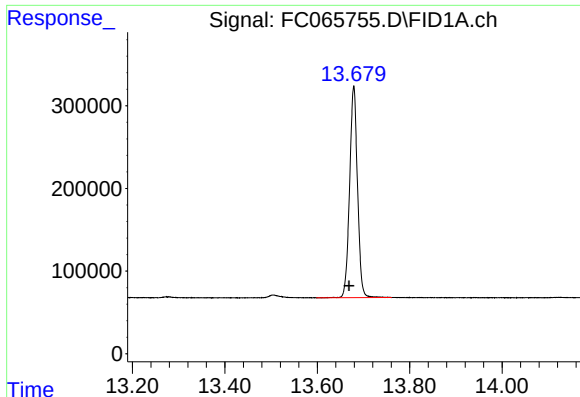
#11 n-Heneicosane (C21)

R.T.: 13.096 min
Delta R.T.: 0.010 min
Response: 3023166
Conc: 20.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.010 min
Response: 2563162
Conc: 20.37 ug/ml



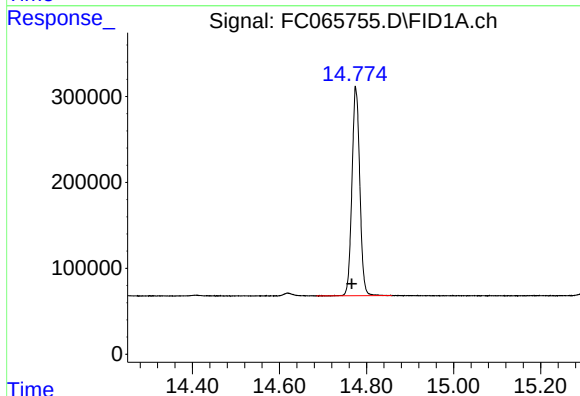
#13 n-Docosane (C22)

R.T.: 13.679 min
Delta R.T.: 0.010 min
Response: 3022627
Conc: 20.38 ug/ml

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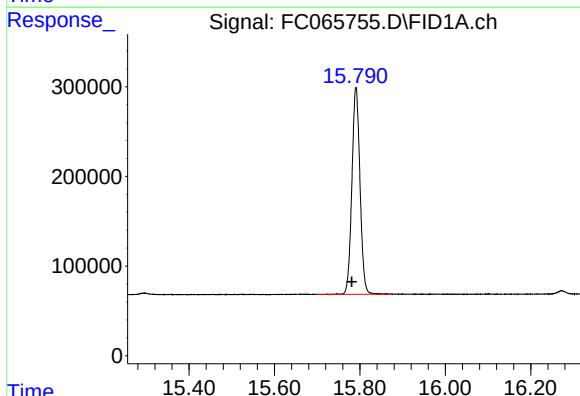
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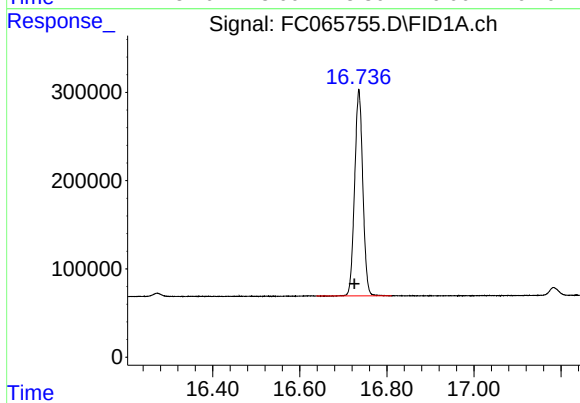
#14 n-Tetracosane (C24)

R.T.: 14.776 min
Delta R.T.: 0.010 min
Response: 3032705
Conc: 20.40 ug/ml



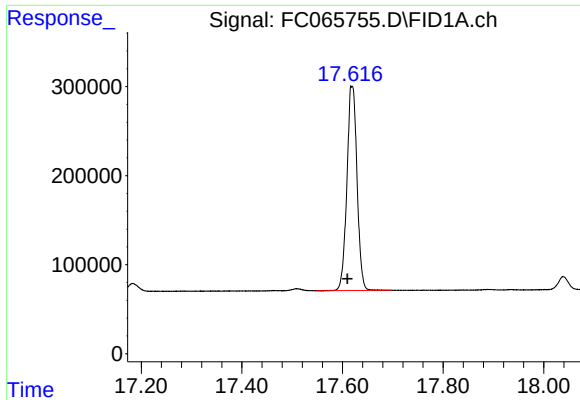
#15 n-Hexacosane (C26)

R.T.: 15.791 min
Delta R.T.: 0.010 min
Response: 3031953
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.736 min
Delta R.T.: 0.010 min
Response: 3049842
Conc: 20.79 ug/ml



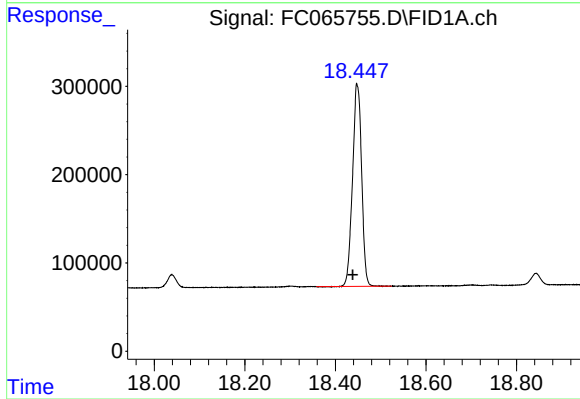
#17 n-Tricontane (C30)

R.T.: 17.619 min
Delta R.T.: 0.009 min
Response: 3209637
Conc: 21.38 ug/ml

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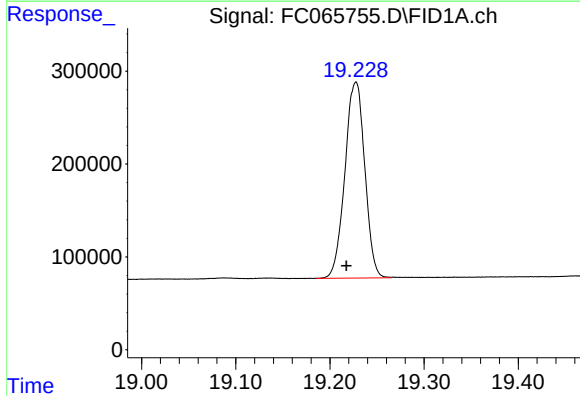
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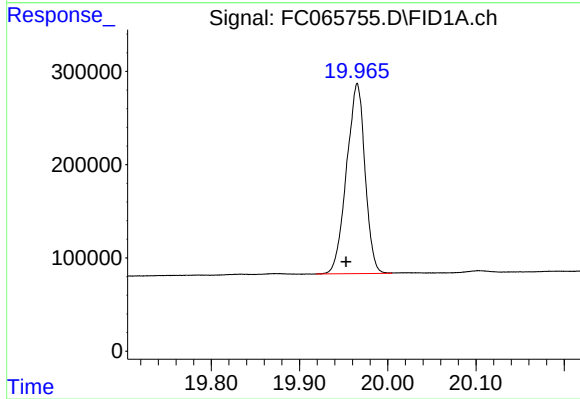
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: 0.011 min
Response: 3201984
Conc: 21.65 ug/ml



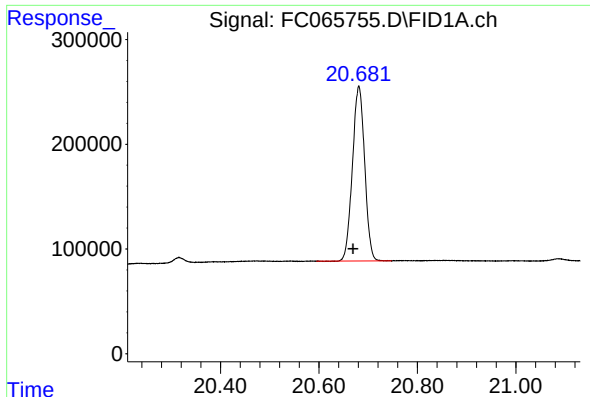
#19 n-Tetratriacontane (C34)

R.T.: 19.228 min
Delta R.T.: 0.010 min
Response: 3100359
Conc: 21.39 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: 0.012 min
Response: 2956834
Conc: 20.83 ug/ml m



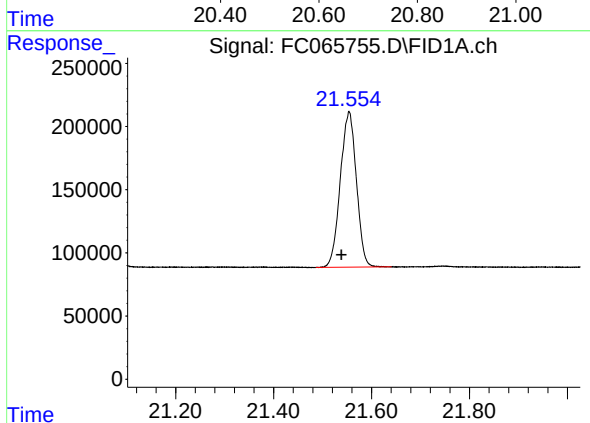
#21 n-Octatriacontane (C38)

R.T.: 20.681 min
Delta R.T.: 0.012 min
Response: 2878435
Conc: 20.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.554 min
Delta R.T.: 0.015 min
Response: 2806709
Conc: 20.12 ug/ml m