

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111023AL\
 Data File : FC065103.D
 Signal(s) : FID1A.ch
 Acq On : 10 Nov 2023 12:18
 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 11/13/2023
 Supervised By :Ankita Jodhani 11/13/2023

Integration File: autoint1.e
 Quant Time: Nov 11 01:55:43 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)	11.507	4512236	20.502 ug/ml
Spiked Amount 50.000		Recovery =	41.00%
12) S 1-chlorooctadecane (S...	12.939	3245853	20.532 ug/ml
Spiked Amount 50.000		Recovery =	41.06%
Target Compounds			
1) T n-Nonane (C9)	3.306	3874332	20.492 ug/ml
2) T n-Decane (C10)	4.366	3928926	20.663 ug/ml
3) T A~Naphthalene (C11.7)	5.947	3975405	20.590 ug/ml
4) T n-Dodecane (C12)	6.377	3976761	20.586 ug/ml
5) T A~2-methylnaphthalene...	7.002	3785984	20.603 ug/ml
6) T n-Tetradecane (C14)	8.165	3893928	20.637 ug/ml
7) T n-Hexadecane (C16)	9.758	3930849	20.796 ug/ml
8) T n-Octadecane (C18)	11.194	3907646	20.705 ug/ml
10) T n-Eicosane (C20)	12.496	3701457	20.589 ug/ml
11) T n-Heneicosane (C21)	13.106	3606852	20.544 ug/ml
13) T n-Docosane (C22)	13.689	3541052	20.615 ug/ml
14) T n-Tetracosane (C24)	14.789	3413718	20.496 ug/ml
15) T n-Hexacosane (C26)	15.804	3296886	20.540 ug/ml
16) T n-Octacosane (C28)	16.750	3256157	20.806 ug/ml
17) T n-Tricontane (C30)	17.633	3371906	21.288 ug/ml
18) T n-Dotriacontane (C32)	18.462	3382957	21.425 ug/ml
19) T n-Tetratriacontane (C34)	19.241	3261960	21.370 ug/ml
20) T n-Hexatriacontane (C36)	19.976	3161504	20.954 ug/mlm
21) T n-Octatriacontane (C38)	20.696	3081231	20.705 ug/ml
22) T n-Tetracontane (C40)	21.574	3040347	20.671 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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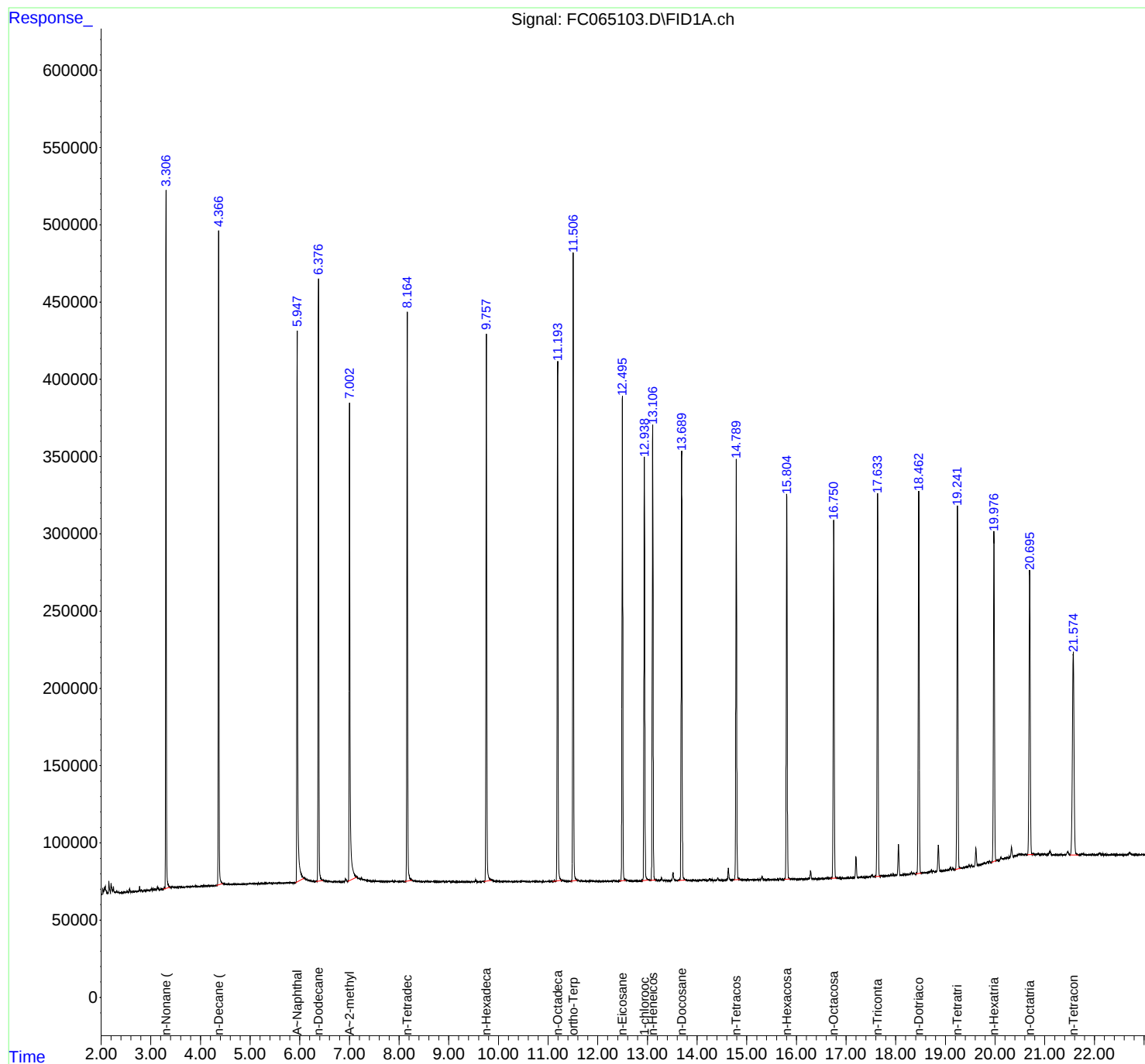
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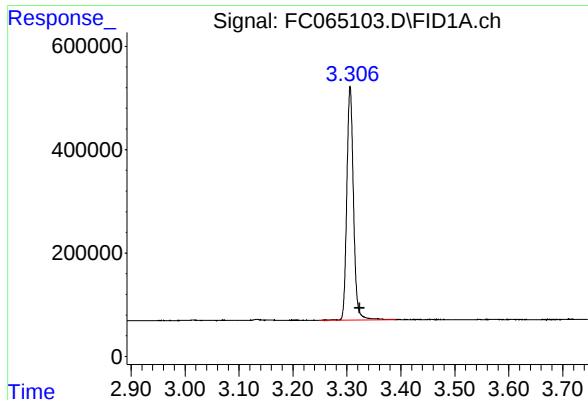
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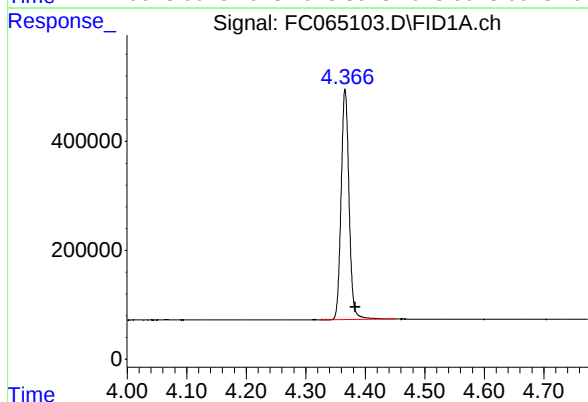
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.018 min
Response: 3874332
Conc: 20.49 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

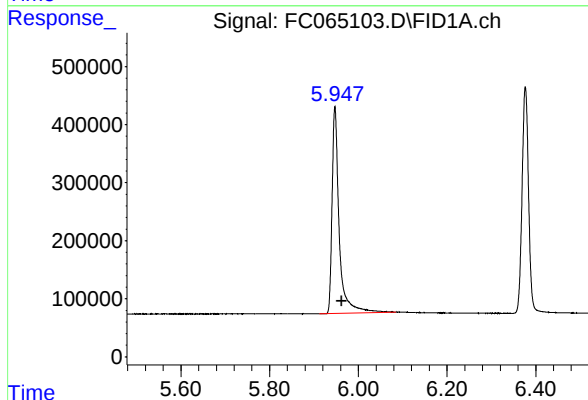
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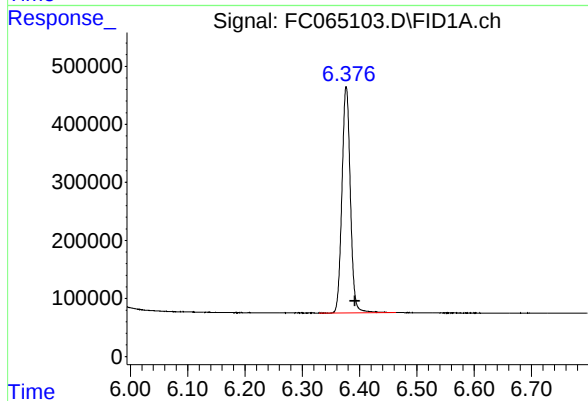
#2 n-Decane (C10)

R.T.: 4.366 min
Delta R.T.: -0.017 min
Response: 3928926
Conc: 20.66 ug/ml



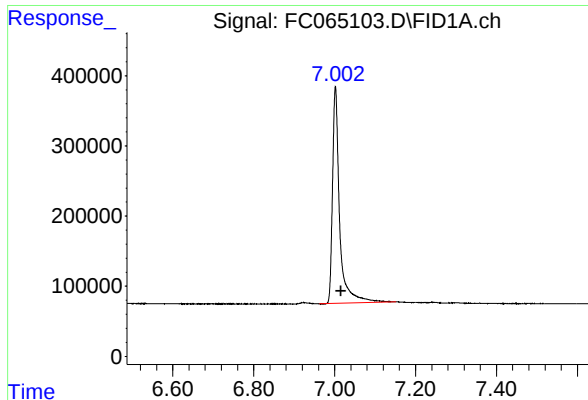
#3 A~Naphthalene (C11.7)

R.T.: 5.947 min
Delta R.T.: -0.015 min
Response: 3975405
Conc: 20.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.377 min
Delta R.T.: -0.015 min
Response: 3976761
Conc: 20.59 ug/ml



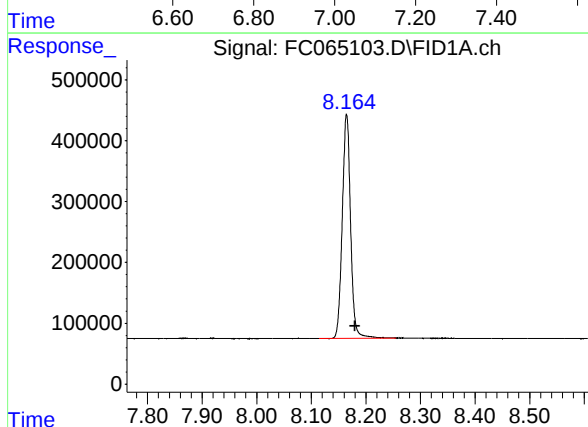
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.014 min
Response: 3785984
Conc: 20.60 ug/ml

Instrument :
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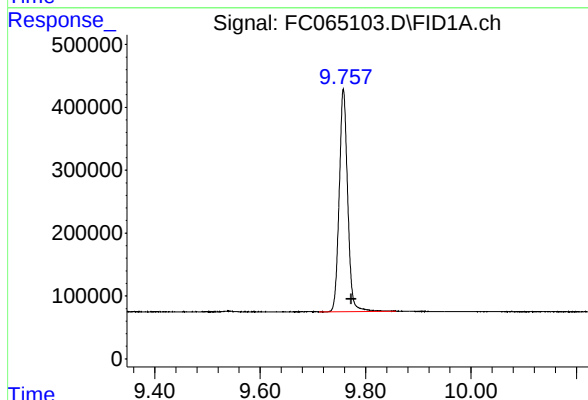
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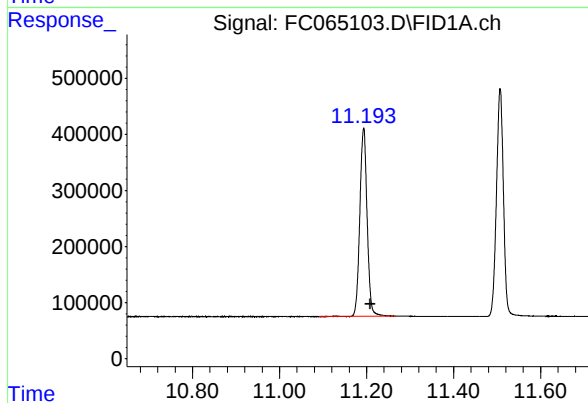
#6 n-Tetradecane (C14)

R.T.: 8.165 min
Delta R.T.: -0.015 min
Response: 3893928
Conc: 20.64 ug/ml



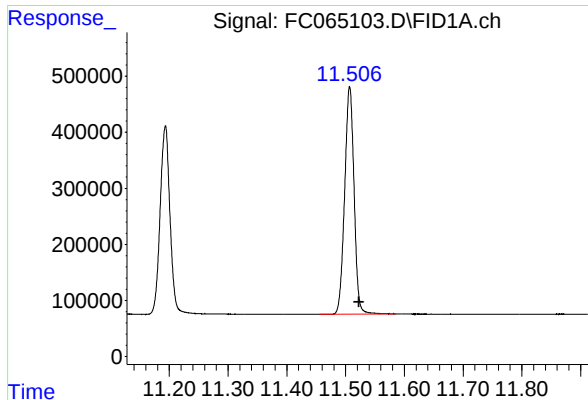
#7 n-Hexadecane (C16)

R.T.: 9.758 min
Delta R.T.: -0.015 min
Response: 3930849
Conc: 20.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.194 min
Delta R.T.: -0.015 min
Response: 3907646
Conc: 20.71 ug/ml



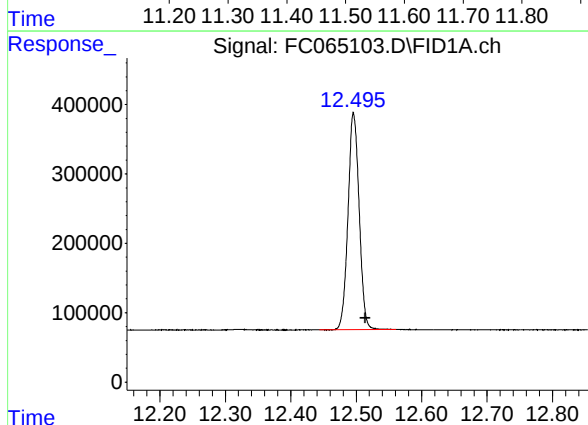
#9 ortho-Terphenyl (SURR)

R.T.: 11.507 min
Delta R.T.: -0.016 min
Response: 4512236
Conc: 20.50 ug/ml

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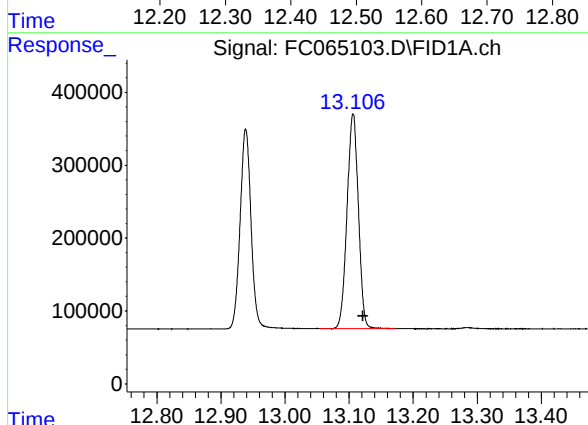
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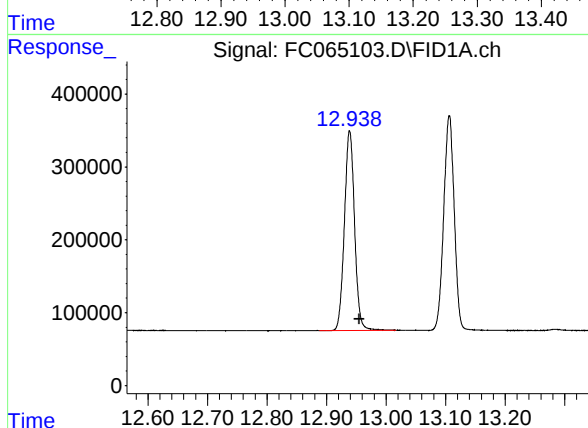
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.018 min
Response: 3701457
Conc: 20.59 ug/ml



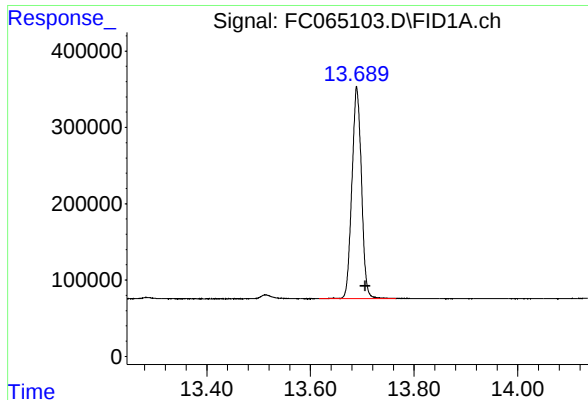
#11 n-Heneicosane (C21)

R.T.: 13.106 min
Delta R.T.: -0.015 min
Response: 3606852
Conc: 20.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: -0.016 min
Response: 3245853
Conc: 20.53 ug/ml



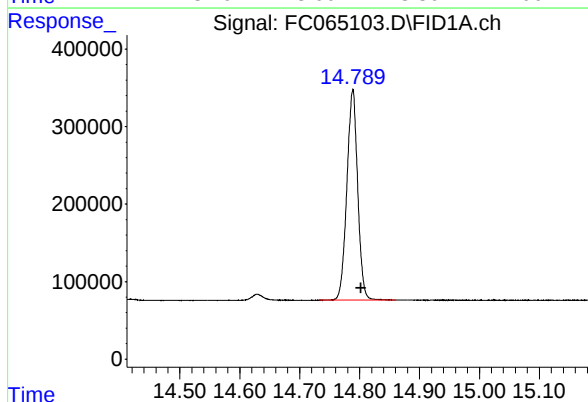
#13 n-Docosane (C22)

R.T.: 13.689 min
Delta R.T.: -0.016 min
Response: 3541052
Conc: 20.61 ug/ml

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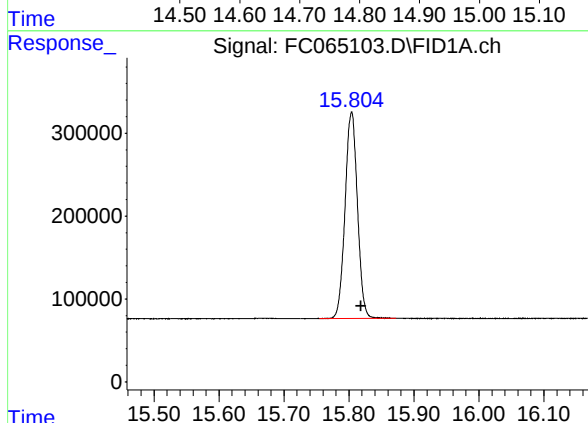
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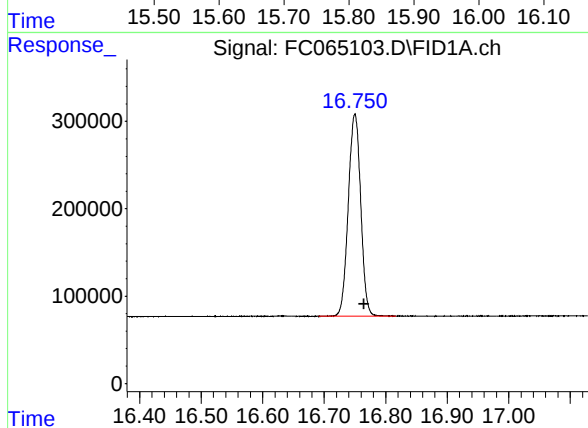
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: -0.014 min
Response: 3413718
Conc: 20.50 ug/ml



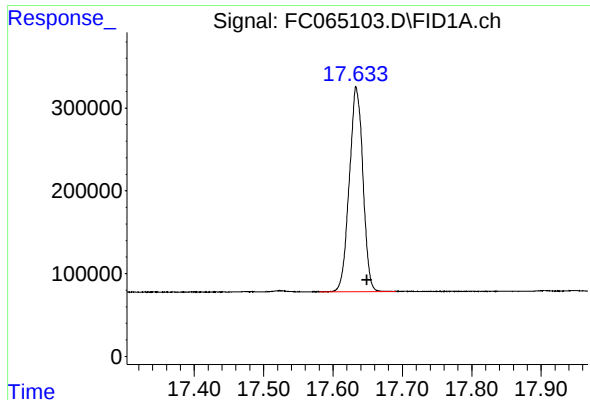
#15 n-Hexacosane (C26)

R.T.: 15.804 min
Delta R.T.: -0.014 min
Response: 3296886
Conc: 20.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.750 min
Delta R.T.: -0.015 min
Response: 3256157
Conc: 20.81 ug/ml



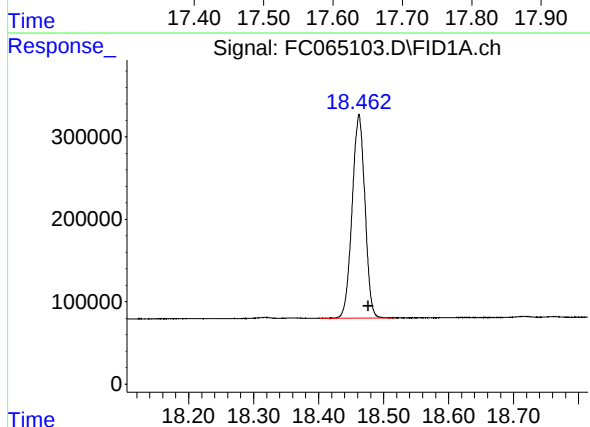
#17 n-Tricontane (C30)

R.T.: 17.633 min
Delta R.T.: -0.016 min
Response: 3371906
Conc: 21.29 ug/ml

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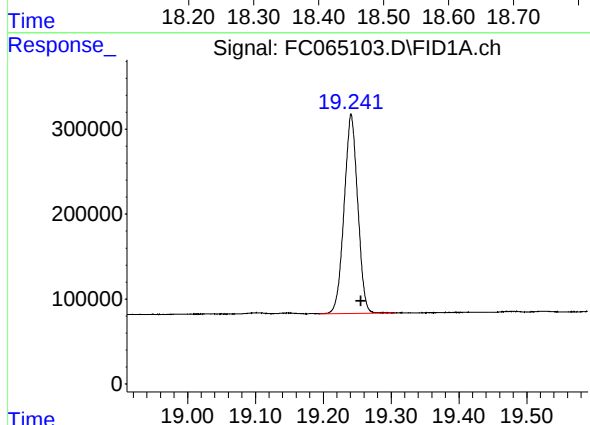
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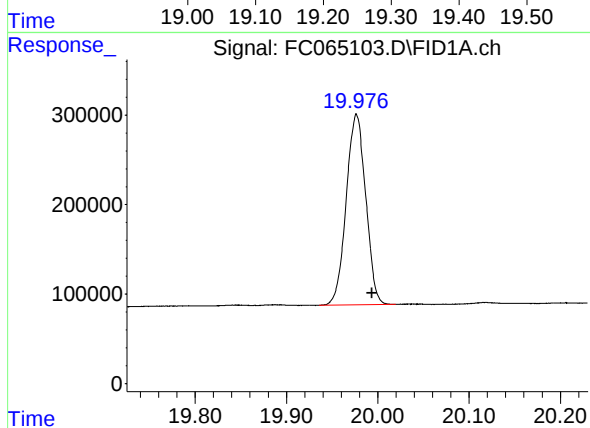
#18 n-Dotriacontane (C32)

R.T.: 18.462 min
Delta R.T.: -0.015 min
Response: 3382957
Conc: 21.43 ug/ml



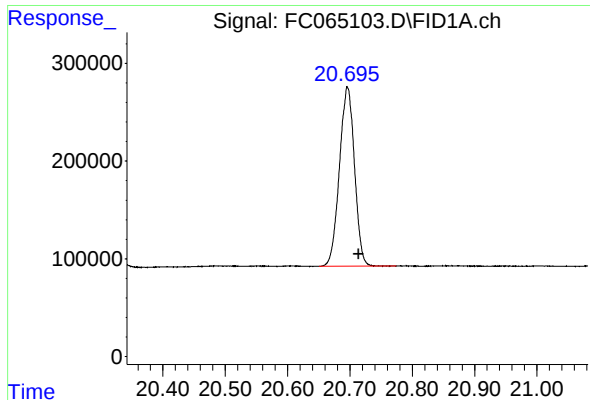
#19 n-Tetatriacontane (C34)

R.T.: 19.241 min
Delta R.T.: -0.015 min
Response: 3261960
Conc: 21.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.976 min
Delta R.T.: -0.018 min
Response: 3161504
Conc: 20.95 ug/ml m



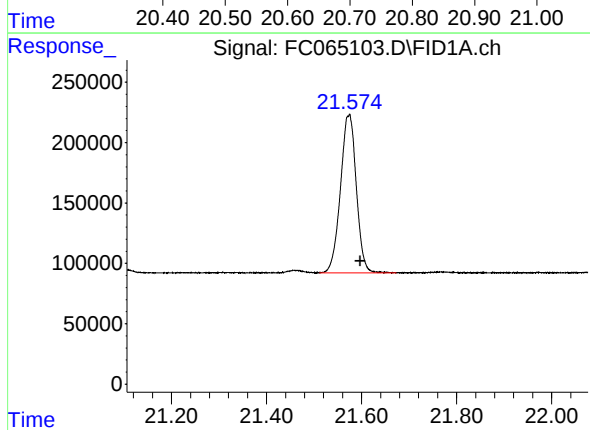
#21 n-Octatriacontane (C38)

R.T.: 20.696 min
Delta R.T.: -0.018 min
Response: 3081231
Conc: 20.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.574 min
Delta R.T.: -0.023 min
Response: 3040347
Conc: 20.67 ug/ml m