

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071123AL\
 Data File : FC064095.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jul 2023 14:11
 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 07/12/2023
 Supervised By :Ankita Jodhani 07/12/2023

Integration File: autoint1.e
 Quant Time: Jul 12 01:57:32 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062423.M
 Quant Title : GC Extractables
 QLast Update : Sun Jun 25 04:03:48 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)	11.519	3611411	18.600 ug/ml
Spiked Amount 50.000		Recovery =	37.20%
12) S 1-chlorooctadecane (S...	12.954	2599929	18.687 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.306	3210455	18.001 ug/ml
2) T n-Decane (C10)	4.368	3264608	18.041 ug/ml
3) T A~Naphthalene (C11.7)	5.948	3377995	18.110 ug/ml
4) T n-Dodecane (C12)	6.381	3270590	18.155 ug/ml
5) T A~2-methylnaphthalene...	7.003	3197869	18.171 ug/ml
6) T n-Tetradecane (C14)	8.172	3183537	18.403 ug/ml
7) T n-Hexadecane (C16)	9.769	3209966	18.479 ug/ml
8) T n-Octadecane (C18)	11.207	3214536	18.652 ug/ml
10) T n-Eicosane (C20)	12.512	3035938	18.597 ug/ml
11) T n-Heneicosane (C21)	13.123	2949187	18.407 ug/ml
13) T n-Docosane (C22)	13.707	2922739	18.600 ug/ml
14) T n-Tetracosane (C24)	14.806	2866079	18.183 ug/ml
15) T n-Hexacosane (C26)	15.824	2801872	18.545 ug/ml
16) T n-Octacosane (C28)	16.771	2737858	18.170 ug/ml
17) T n-Tricontane (C30)	17.657	2793177	17.890 ug/ml
18) T n-Dotriacontane (C32)	18.484	2778027	17.585 ug/ml
19) T n-Tetratriacontane (C34)	19.266	2757293	17.919 ug/ml
20) T n-Hexatriacontane (C36)	20.003	2704635	18.319 ug/mlm
21) T n-Octatriacontane (C38)	20.726	2719651	18.360 ug/ml
22) T n-Tetracontane (C40)	21.611	2698584	18.514 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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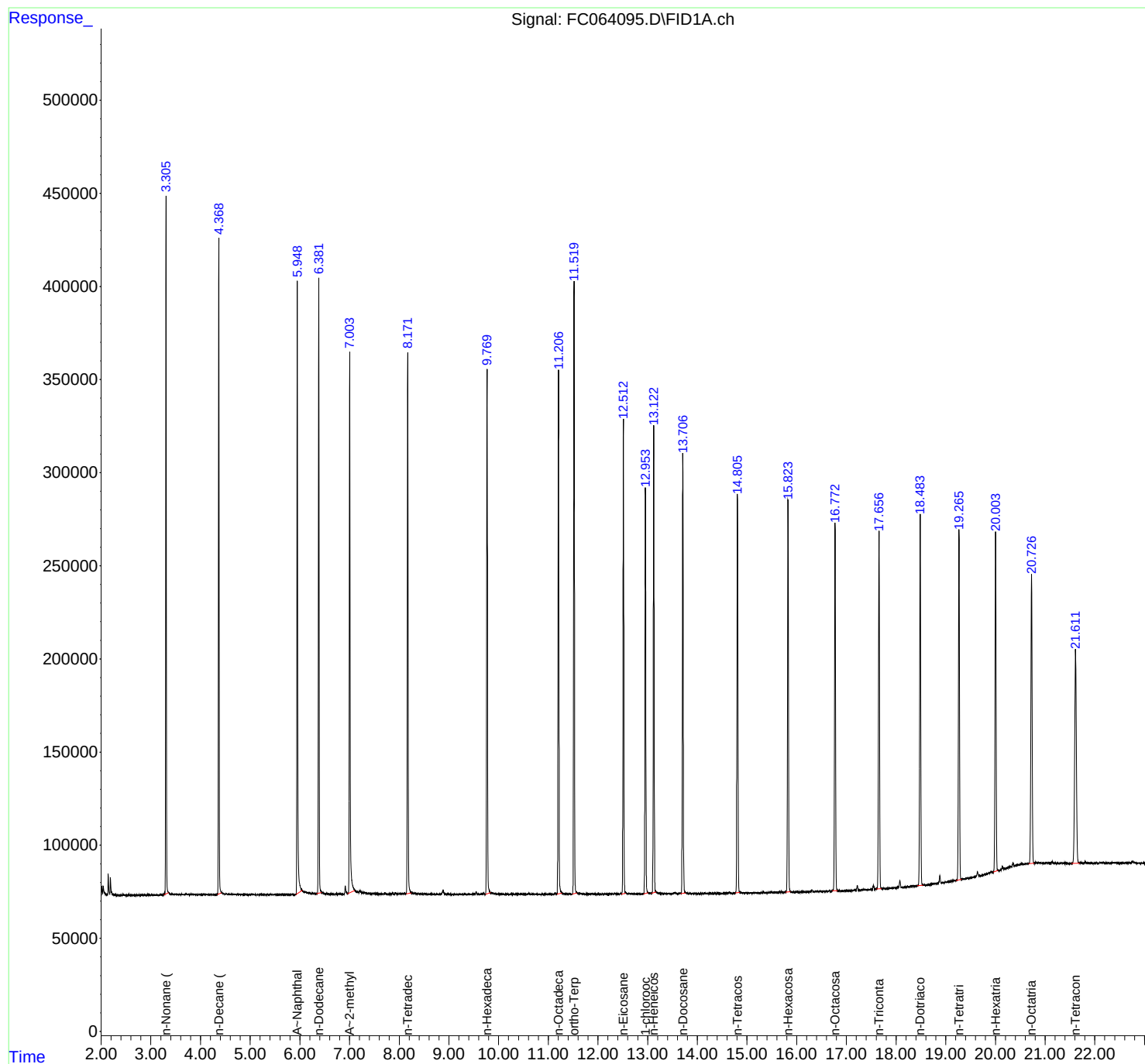
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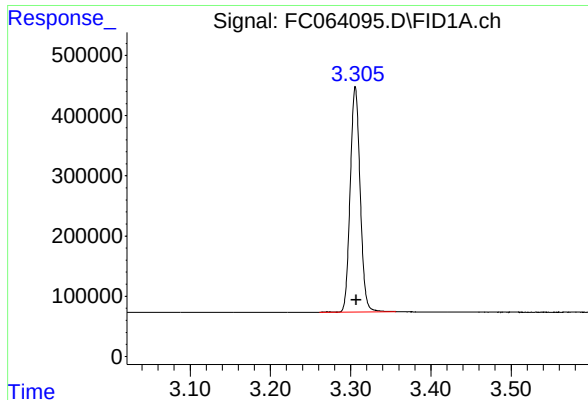
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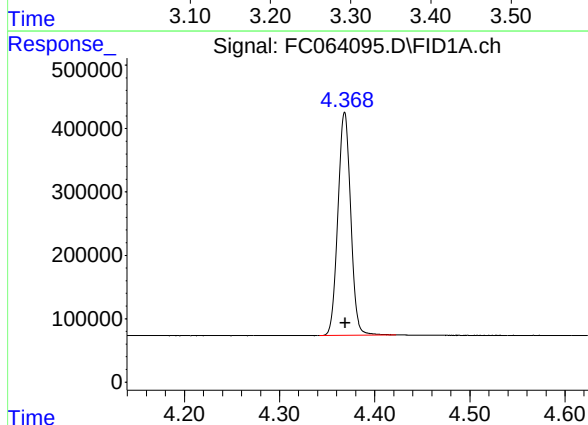
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.001 min
Response: 3210455
Conc: 18.00 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

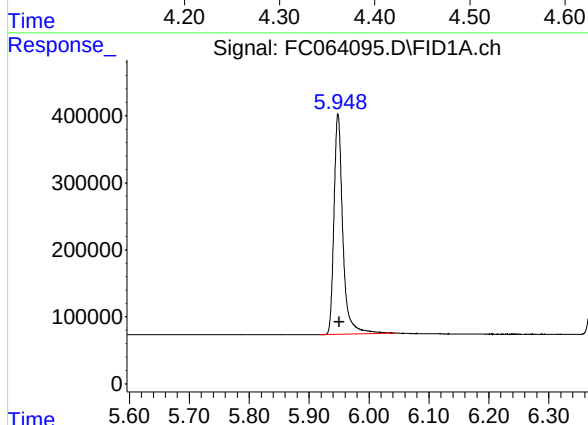
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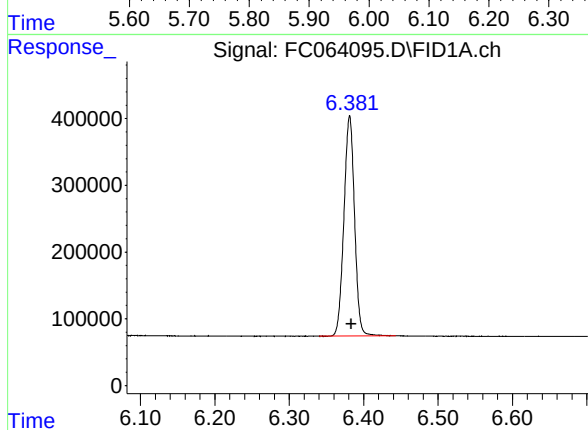
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 3264608
Conc: 18.04 ug/ml



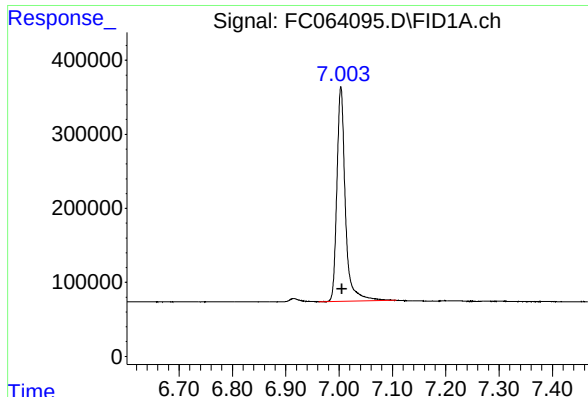
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: -0.002 min
Response: 3377995
Conc: 18.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.381 min
Delta R.T.: -0.002 min
Response: 3270590
Conc: 18.15 ug/ml



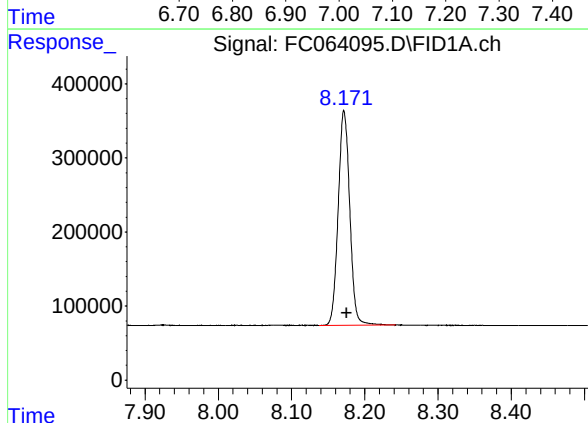
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.003 min
Delta R.T.: -0.002 min
Response: 3197869
Conc: 18.17 ug/ml

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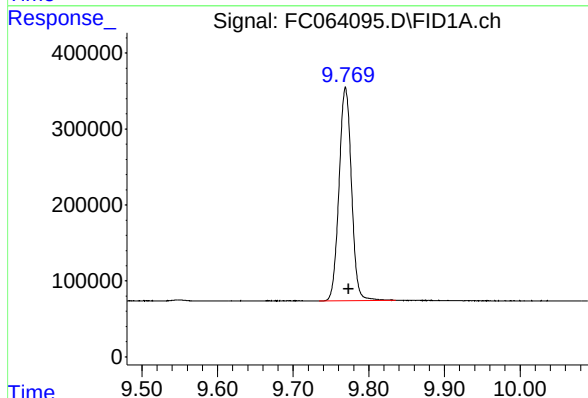
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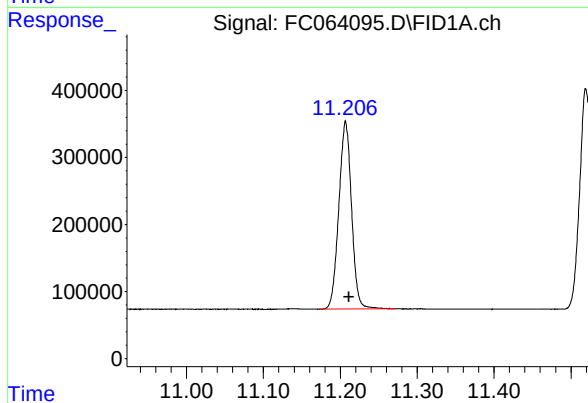
#6 n-Tetradecane (C14)

R.T.: 8.172 min
Delta R.T.: -0.004 min
Response: 3183537
Conc: 18.40 ug/ml



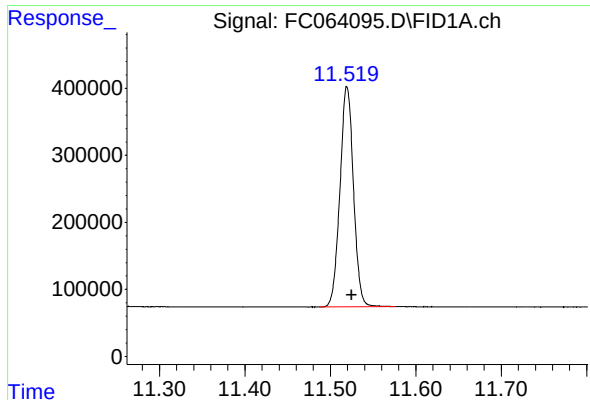
#7 n-Hexadecane (C16)

R.T.: 9.769 min
Delta R.T.: -0.004 min
Response: 3209966
Conc: 18.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.207 min
Delta R.T.: -0.004 min
Response: 3214536
Conc: 18.65 ug/ml



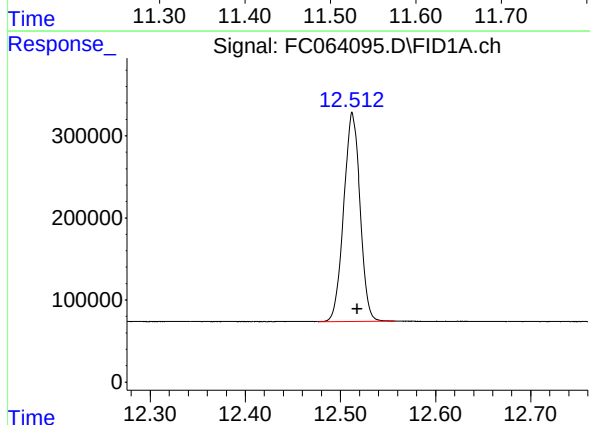
#9 ortho-Terphenyl (SURR)

R.T.: 11.519 min
Delta R.T.: -0.006 min
Response: 3611411
Conc: 18.60 ug/ml

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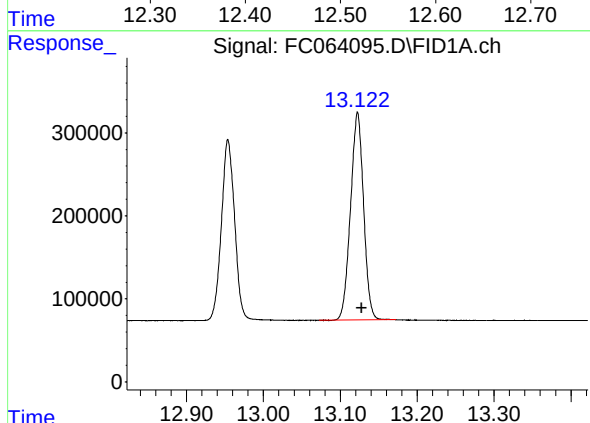
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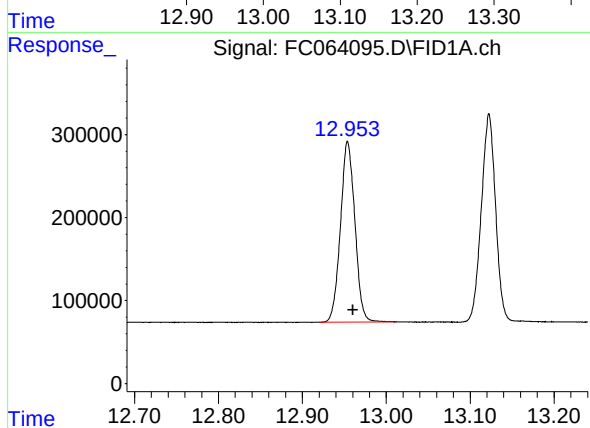
#10 n-Eicosane (C20)

R.T.: 12.512 min
Delta R.T.: -0.006 min
Response: 3035938
Conc: 18.60 ug/ml



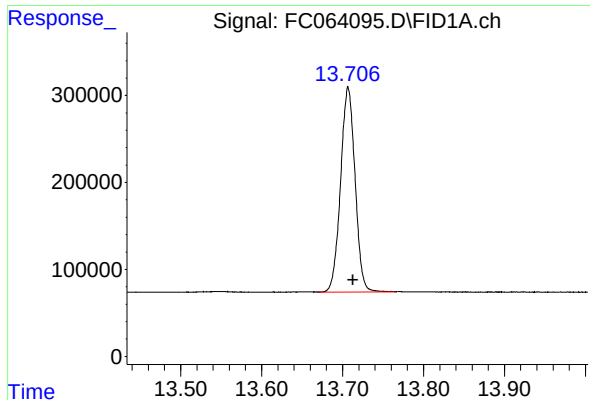
#11 n-Heneicosane (C21)

R.T.: 13.123 min
Delta R.T.: -0.005 min
Response: 2949187
Conc: 18.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.954 min
Delta R.T.: -0.007 min
Response: 2599929
Conc: 18.69 ug/ml



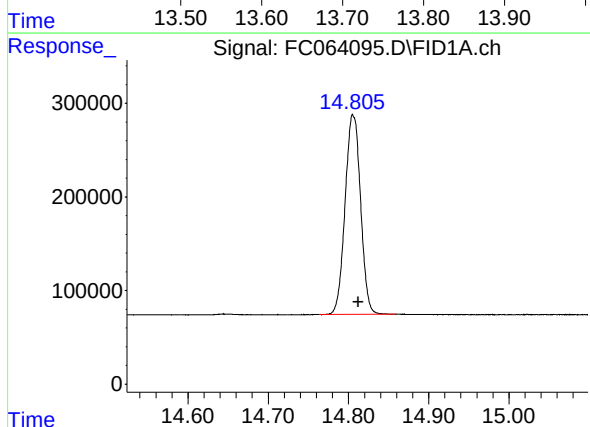
#13 n-Docosane (C22)

R.T.: 13.707 min
Delta R.T.: -0.006 min
Response: 2922739
Conc: 18.60 ug/ml

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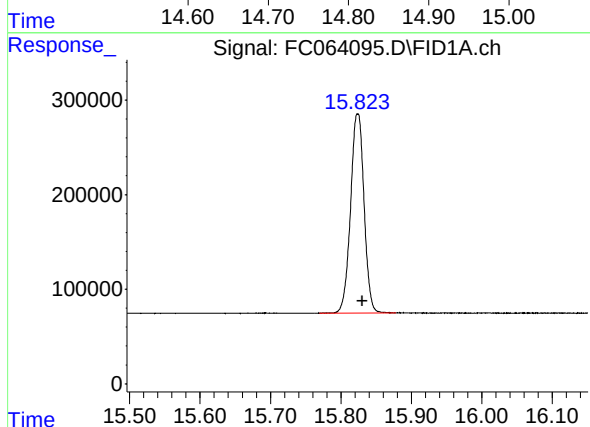
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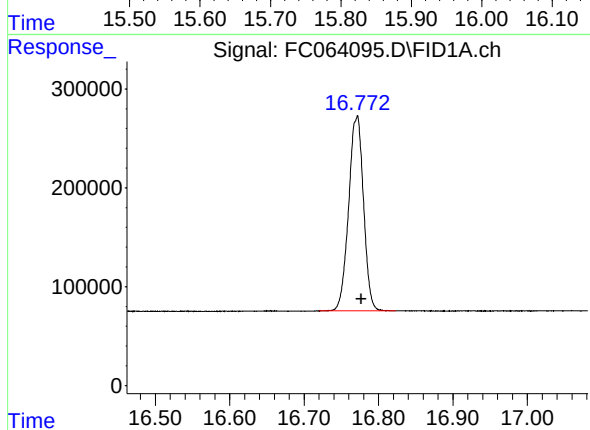
#14 n-Tetracosane (C24)

R.T.: 14.806 min
Delta R.T.: -0.007 min
Response: 2866079
Conc: 18.18 ug/ml



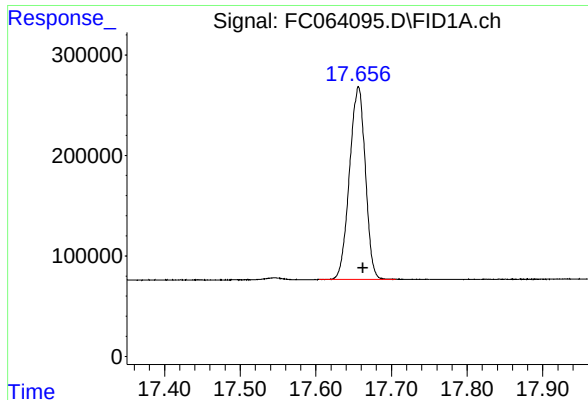
#15 n-Hexacosane (C26)

R.T.: 15.824 min
Delta R.T.: -0.006 min
Response: 2801872
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.771 min
Delta R.T.: -0.006 min
Response: 2737858
Conc: 18.17 ug/ml



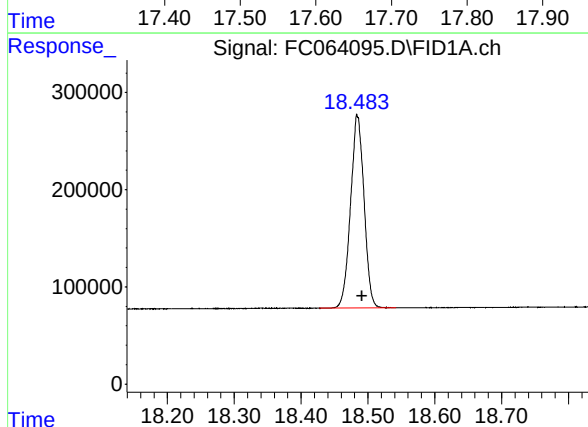
#17 n-Tricontane (C30)

R.T.: 17.657 min
Delta R.T.: -0.006 min
Response: 2793177
Conc: 17.89 ug/ml

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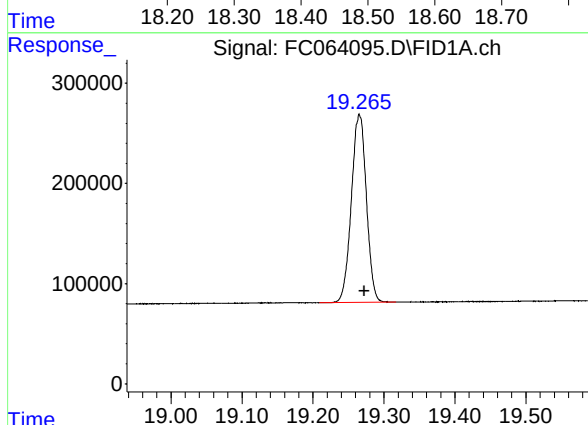
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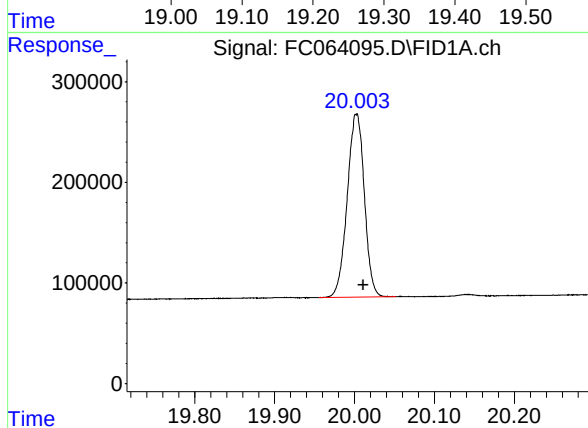
#18 n-Dotriacontane (C32)

R.T.: 18.484 min
Delta R.T.: -0.007 min
Response: 2778027
Conc: 17.58 ug/ml



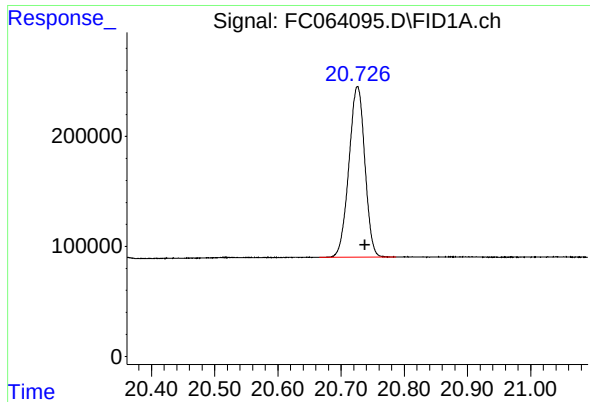
#19 n-Tetratriacontane (C34)

R.T.: 19.266 min
Delta R.T.: -0.007 min
Response: 2757293
Conc: 17.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: -0.008 min
Response: 2704635
Conc: 18.32 ug/ml m



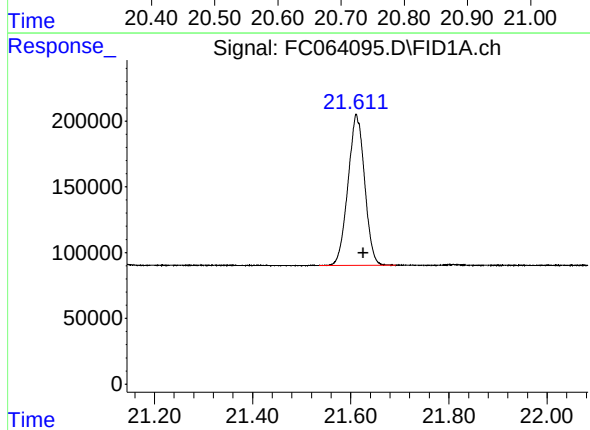
#21 n-Octatriacontane (C38)

R.T.: 20.726 min
Delta R.T.: -0.011 min
Response: 2719651
Conc: 18.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: -0.014 min
Response: 2698584
Conc: 18.51 ug/ml