

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070323AL\
 Data File : FC064030.D
 Signal(s) : FID1A.ch
 Acq On : 03 Jul 2023 08:58
 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 07/05/2023
 Supervised By :Ankita Jodhani 07/05/2023

Integration File: autoint1.e
 Quant Time: Jul 04 05:52:39 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)	11.523	3857789	19.869 ug/ml
Spiked Amount 50.000		Recovery =	39.74%
12) S 1-chlorooctadecane (S...	12.958	2732076	19.637 ug/ml
Spiked Amount 50.000		Recovery =	39.27%
Target Compounds			
1) T n-Nonane (C9)	3.305	3548061	19.894 ug/ml
2) T n-Decane (C10)	4.368	3627752	20.048 ug/ml
3) T A~Naphthalene (C11.7)	5.948	3716234	19.923 ug/ml
4) T n-Dodecane (C12)	6.382	3586466	19.908 ug/ml
5) T A~2-methylnaphthalene...	7.004	3501345	19.895 ug/ml
6) T n-Tetradecane (C14)	8.173	3425070	19.799 ug/ml
7) T n-Hexadecane (C16)	9.771	3444310	19.828 ug/ml
8) T n-Octadecane (C18)	11.209	3414003	19.809 ug/ml
10) T n-Eicosane (C20)	12.516	3218038	19.713 ug/ml
11) T n-Heneicosane (C21)	13.126	3135883	19.572 ug/ml
13) T n-Docosane (C22)	13.710	3094653	19.694 ug/ml
14) T n-Tetracosane (C24)	14.808	3050890	19.356 ug/ml
15) T n-Hexacosane (C26)	15.826	2994828	19.822 ug/ml
16) T n-Octacosane (C28)	16.771	2965556	19.681 ug/ml
17) T n-Tricontane (C30)	17.658	3087734	19.777 ug/ml
18) T n-Dotriacontane (C32)	18.489	3097780	19.609 ug/ml
19) T n-Tetratriacontane (C34)	19.269	3042806	19.774 ug/ml
20) T n-Hexatriacontane (C36)	20.003	2952169	19.996 ug/mlm
21) T n-Octatriacontane (C38)	20.732	2948879	19.908 ug/ml
22) T n-Tetracontane (C40)	21.619	2851417	19.563 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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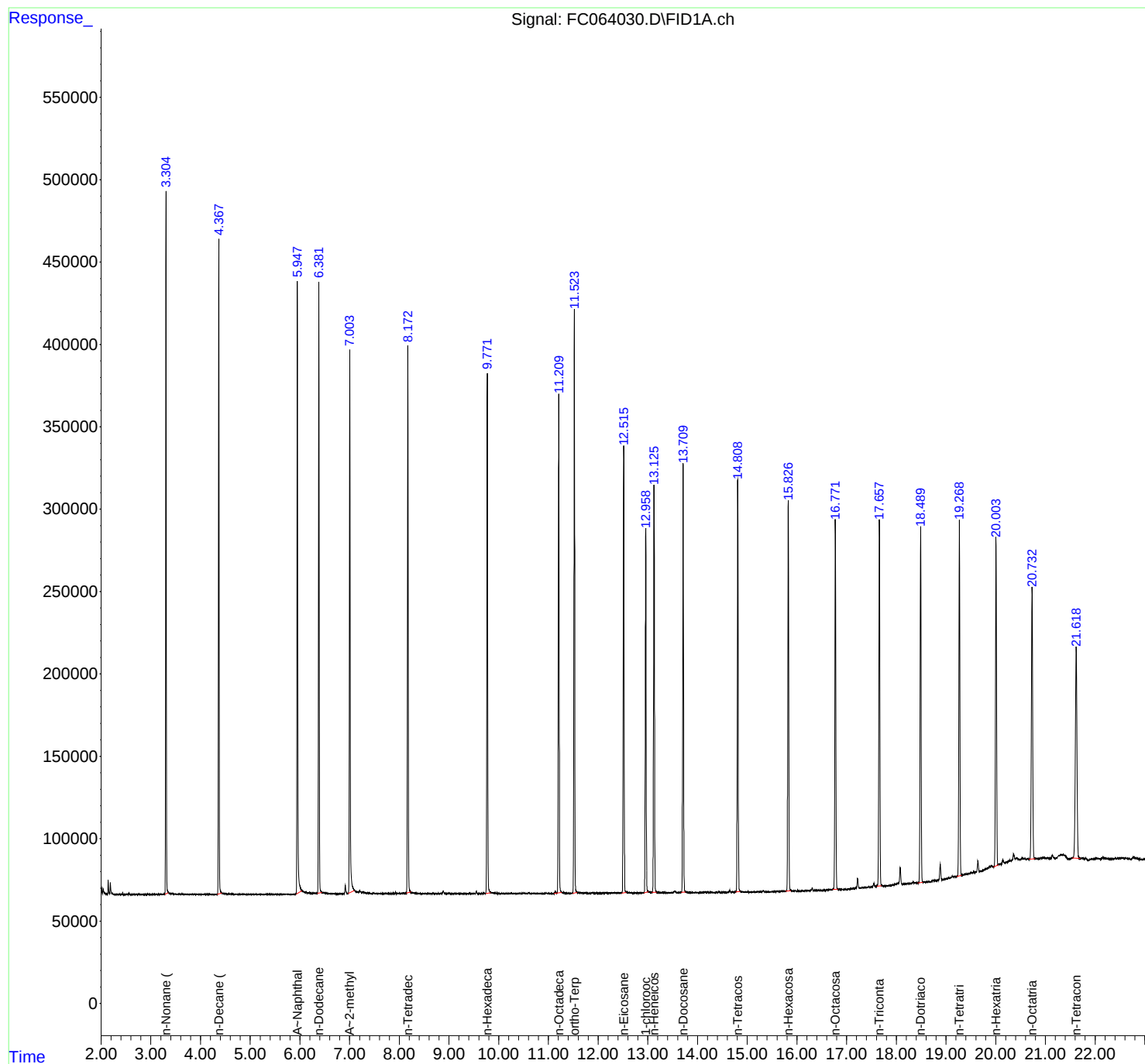
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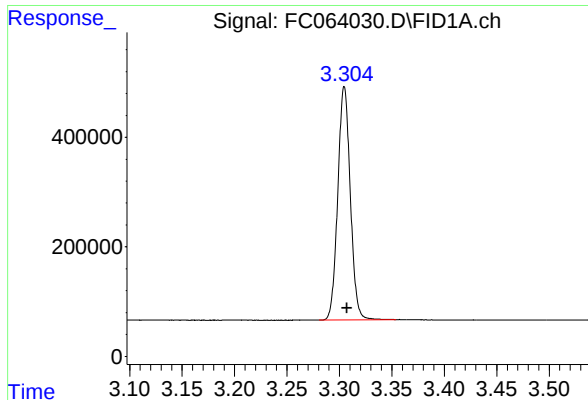
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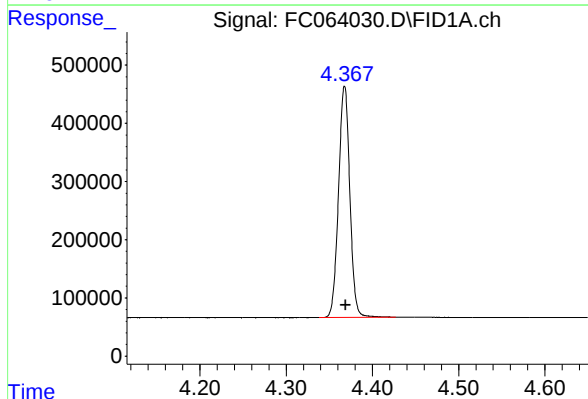
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: -0.002 min
Response: 3548061
Conc: 19.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

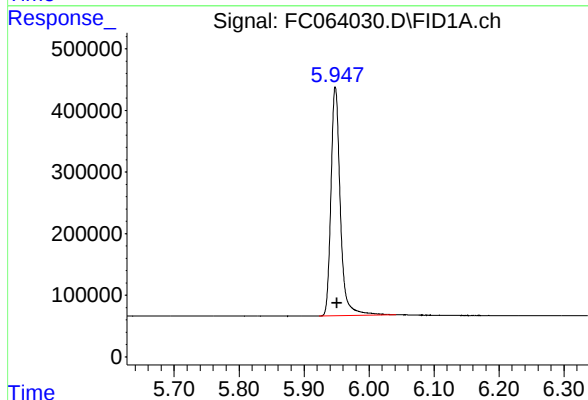
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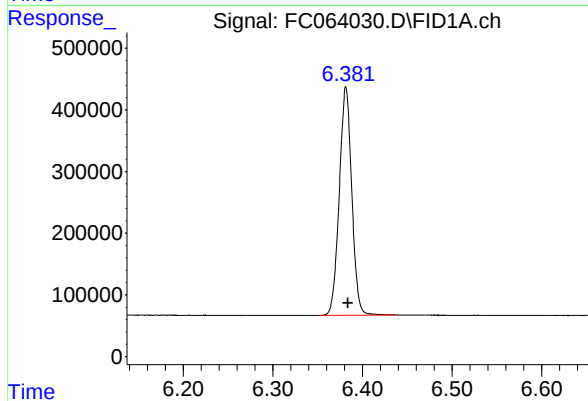
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: -0.001 min
Response: 3627752
Conc: 20.05 ug/ml



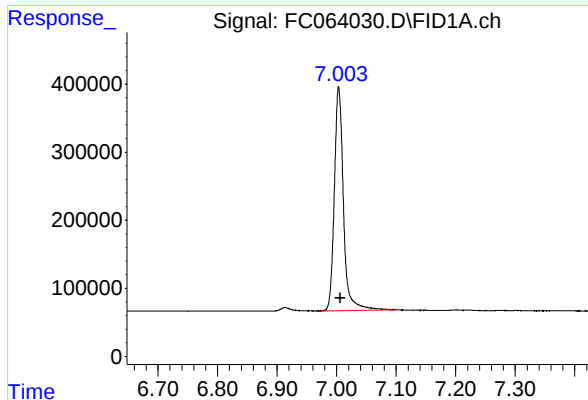
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: -0.002 min
Response: 3716234
Conc: 19.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: -0.002 min
Response: 3586466
Conc: 19.91 ug/ml



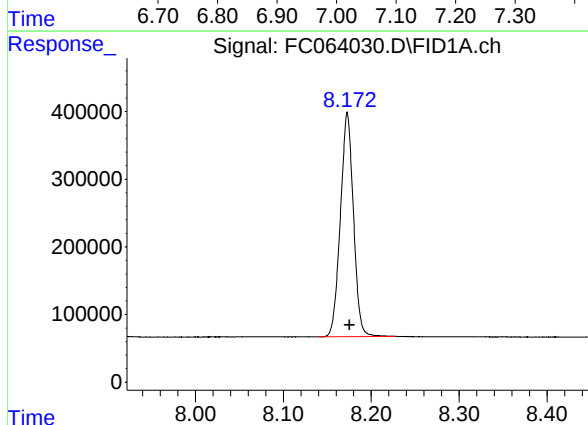
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
 Delta R.T.: -0.002 min
 Response: 3501345
 Conc: 19.90 ug/ml

Instrument : FID_C
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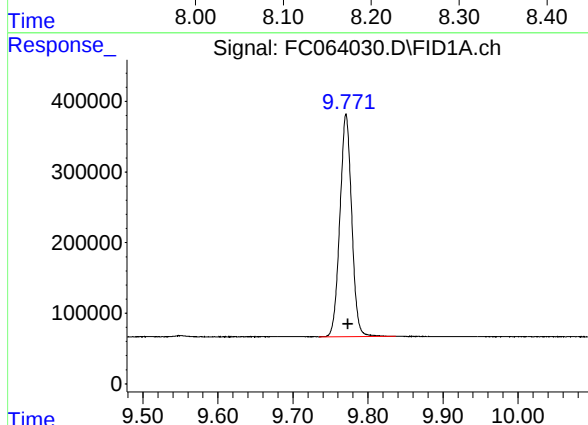
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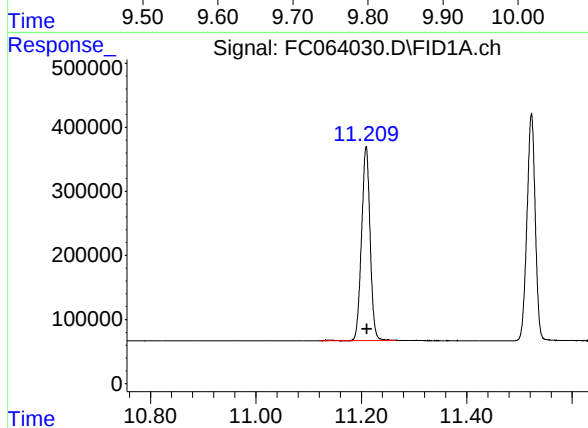
#6 n-Tetradecane (C14)

R.T.: 8.173 min
 Delta R.T.: -0.002 min
 Response: 3425070
 Conc: 19.80 ug/ml



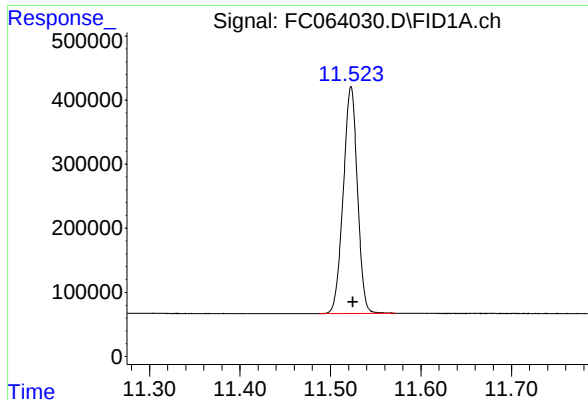
#7 n-Hexadecane (C16)

R.T.: 9.771 min
 Delta R.T.: -0.002 min
 Response: 3444310
 Conc: 19.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.209 min
 Delta R.T.: -0.002 min
 Response: 3414003
 Conc: 19.81 ug/ml



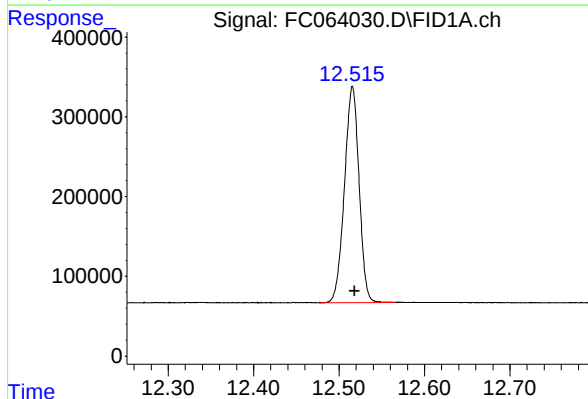
#9 ortho-Terphenyl (SURR)

R.T.: 11.523 min
Delta R.T.: -0.002 min
Response: 3857789
Conc: 19.87 ug/ml

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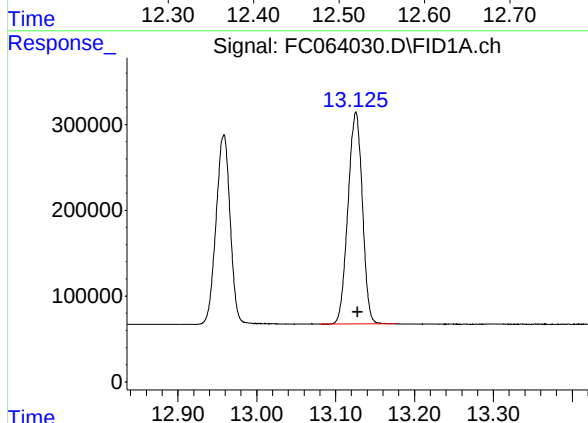
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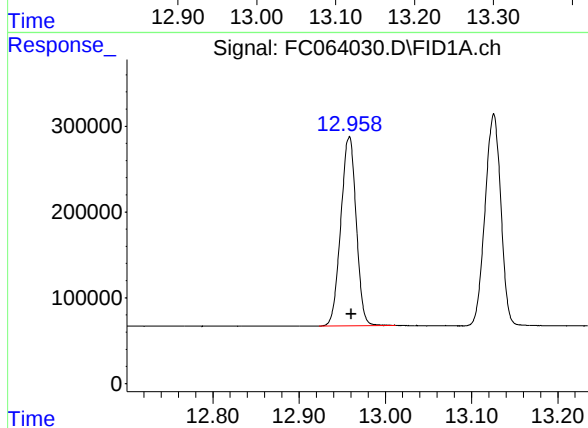
#10 n-Eicosane (C20)

R.T.: 12.516 min
Delta R.T.: -0.002 min
Response: 3218038
Conc: 19.71 ug/ml



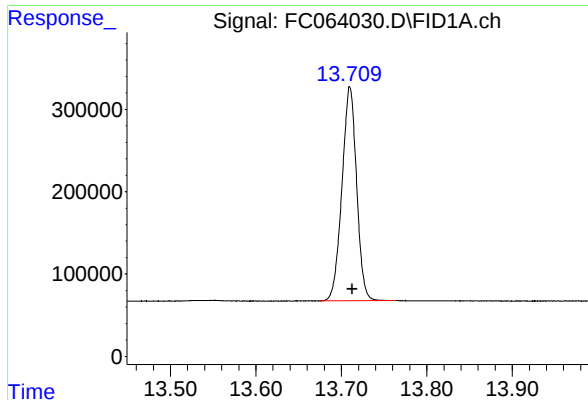
#11 n-Heneicosane (C21)

R.T.: 13.126 min
Delta R.T.: -0.002 min
Response: 3135883
Conc: 19.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.958 min
Delta R.T.: -0.002 min
Response: 2732076
Conc: 19.64 ug/ml



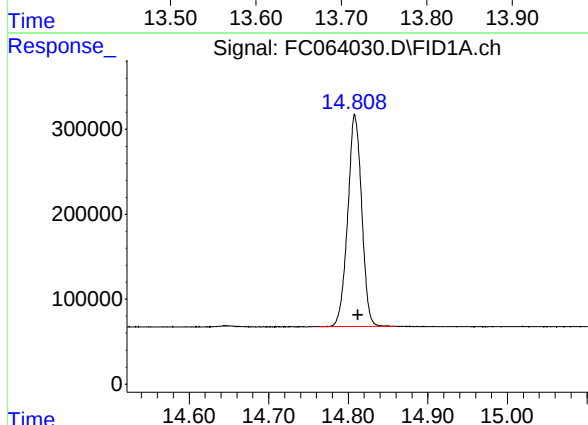
#13 n-Docosane (C22)

R.T.: 13.710 min
Delta R.T.: -0.003 min
Response: 3094653
Conc: 19.69 ug/ml

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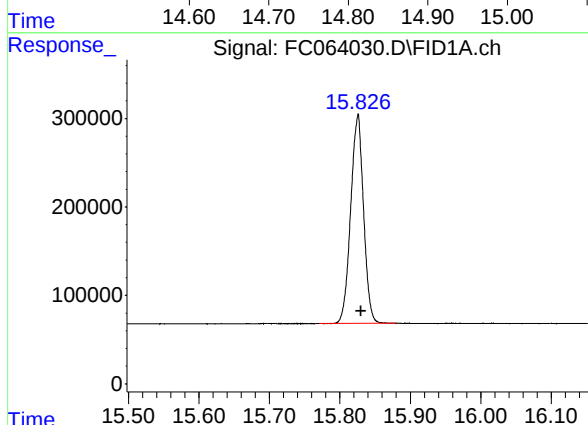
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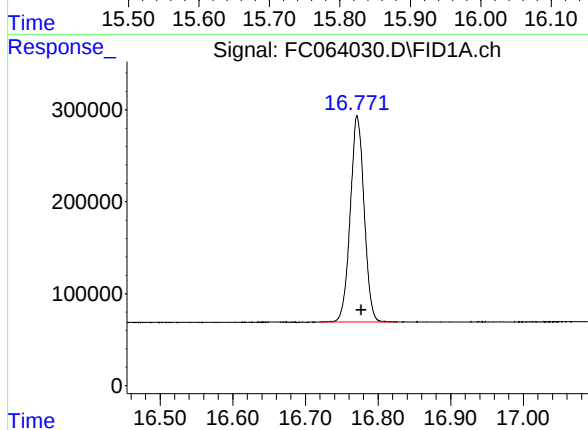
#14 n-Tetracosane (C24)

R.T.: 14.808 min
Delta R.T.: -0.004 min
Response: 3050890
Conc: 19.36 ug/ml



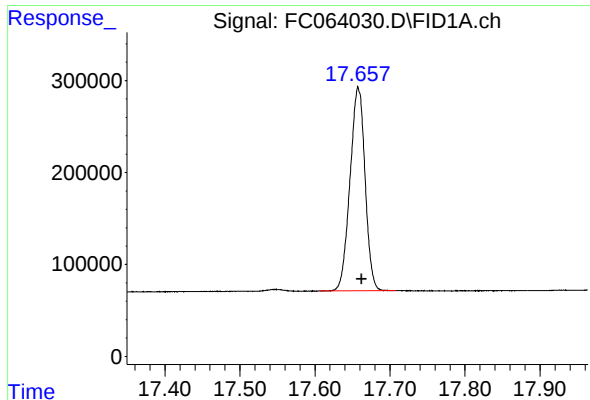
#15 n-Hexacosane (C26)

R.T.: 15.826 min
Delta R.T.: -0.004 min
Response: 2994828
Conc: 19.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.771 min
Delta R.T.: -0.006 min
Response: 2965556
Conc: 19.68 ug/ml



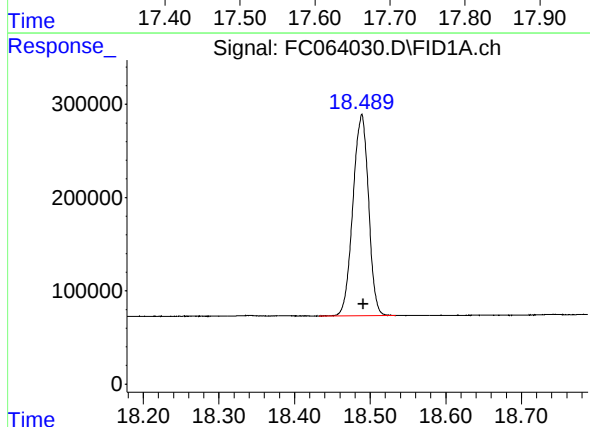
#17 n-Tricontane (C30)

R.T.: 17.658 min
Delta R.T.: -0.004 min
Response: 3087734
Conc: 19.78 ug/ml

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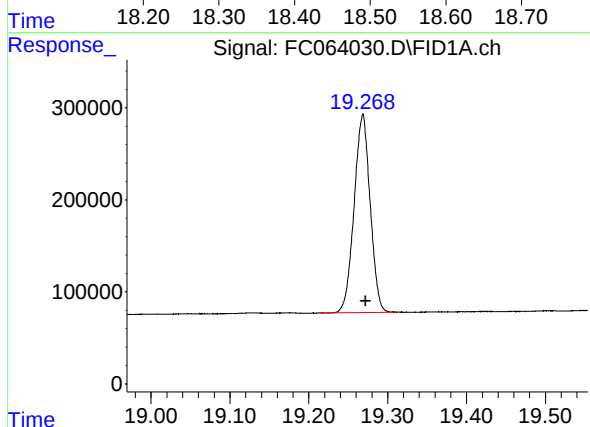
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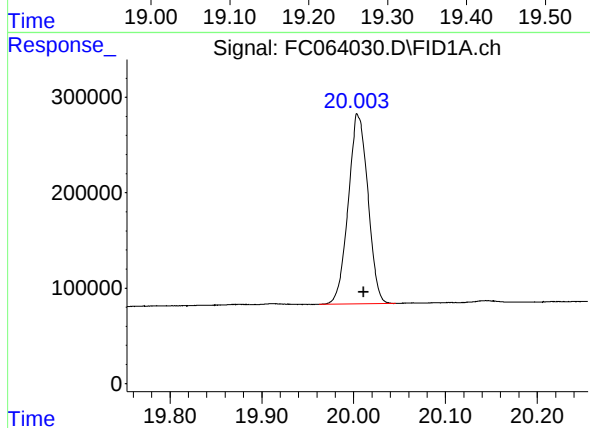
#18 n-Dotriacontane (C32)

R.T.: 18.489 min
Delta R.T.: -0.002 min
Response: 3097780
Conc: 19.61 ug/ml



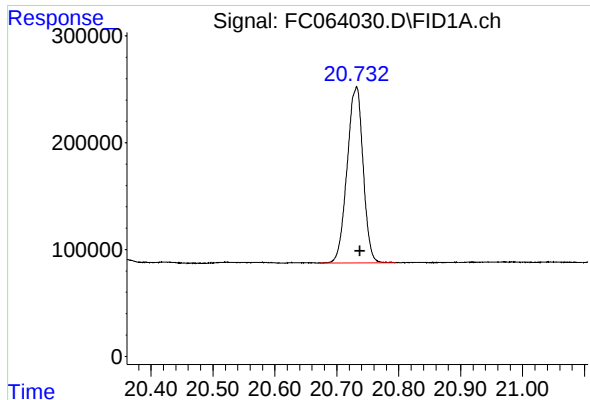
#19 n-Tetatriacontane (C34)

R.T.: 19.269 min
Delta R.T.: -0.004 min
Response: 3042806
Conc: 19.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.003 min
Delta R.T.: -0.008 min
Response: 2952169
Conc: 20.00 ug/ml m



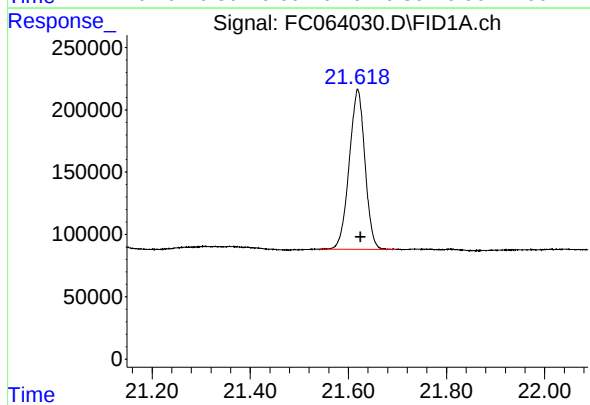
#21 n-Octatriacontane (C38)

R.T.: 20.732 min
Delta R.T.: -0.005 min
Response: 2948879
Conc: 19.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.619 min
Delta R.T.: -0.006 min
Response: 2851417
Conc: 19.56 ug/ml