

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082123AL\
 Data File : FC064383.D
 Signal(s) : FID1A.ch
 Acq On : 21 Aug 2023 20:53
 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 08/22/2023
 Supervised By :Ankita Jodhani 08/22/2023

Integration File: autoint1.e
 Quant Time: Aug 22 00:35:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081823.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 18 14:31:35 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)	11.510	4221036	19.882 ug/ml
Spiked Amount 50.000		Recovery =	39.76%
12) S 1-chlorooctadecane (S...	12.943	3054248	20.032 ug/ml
Spiked Amount 50.000		Recovery =	40.06%
Target Compounds			
1) T n-Nonane (C9)	3.307	3499584	19.828 ug/ml
2) T n-Decane (C10)	4.365	3486869	19.877 ug/ml
3) T A~Naphthalene (C11.7)	5.944	3644621	19.600 ug/ml
4) T n-Dodecane (C12)	6.375	3577432	20.070 ug/ml
5) T A~2-methylnaphthalene...	6.998	3513594	19.752 ug/mlm
6) T n-Tetradecane (C14)	8.164	3461284	19.840 ug/ml
7) T n-Hexadecane (C16)	9.759	3458537	20.013 ug/ml
8) T n-Octadecane (C18)	11.196	3484800	19.904 ug/ml
10) T n-Eicosane (C20)	12.500	3364627	19.890 ug/ml
11) T n-Heneicosane (C21)	13.111	3309431	19.828 ug/ml
13) T n-Docosane (C22)	13.695	3262553	20.002 ug/ml
14) T n-Tetracosane (C24)	14.794	3186867	20.012 ug/ml
15) T n-Hexacosane (C26)	15.810	3095111	20.033 ug/ml
16) T n-Octacosane (C28)	16.757	2988491	20.186 ug/ml
17) T n-Tricontane (C30)	17.639	2962384	20.281 ug/ml
18) T n-Dotriacontane (C32)	18.469	2869779	20.316 ug/ml
19) T n-Tetratriacontane (C34)	19.248	2714820	20.318 ug/ml
20) T n-Hexatriacontane (C36)	19.985	2588497	20.229 ug/ml
21) T n-Octatriacontane (C38)	20.705	2474191	20.149 ug/ml
22) T n-Tetracontane (C40)	21.583	2355453	20.283 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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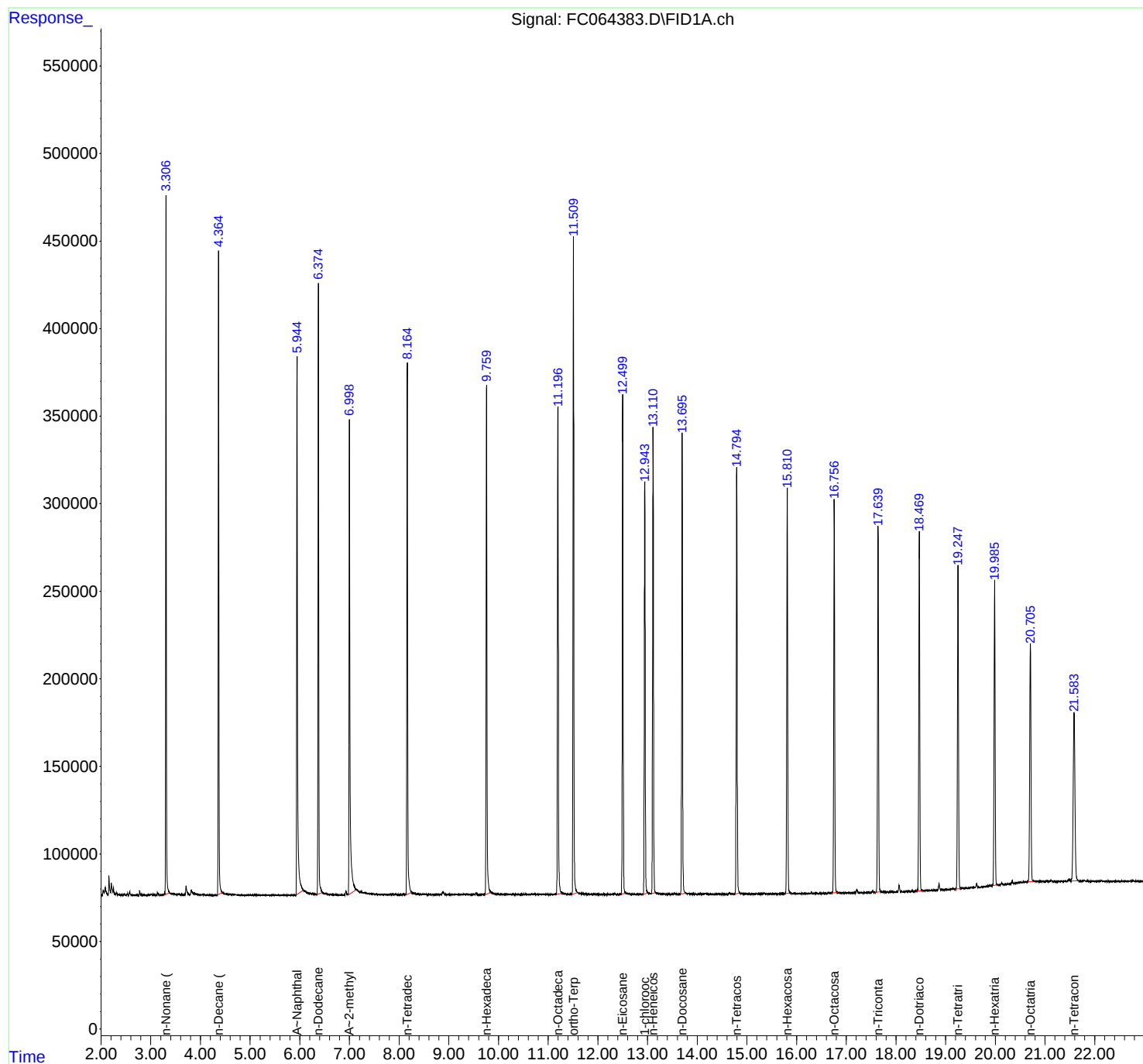
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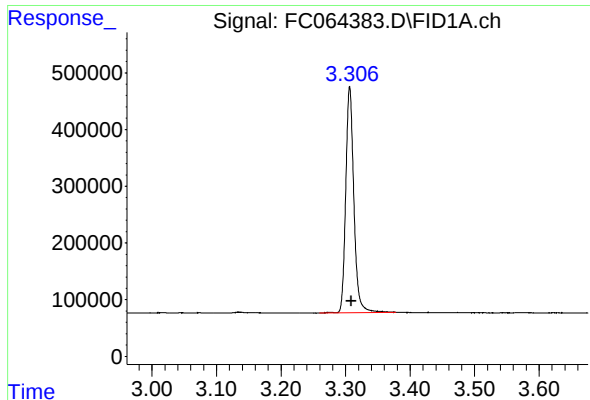
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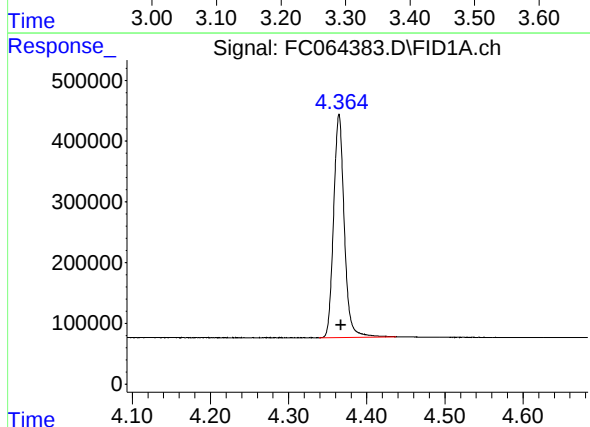
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.002 min
Response: 3499584
Conc: 19.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

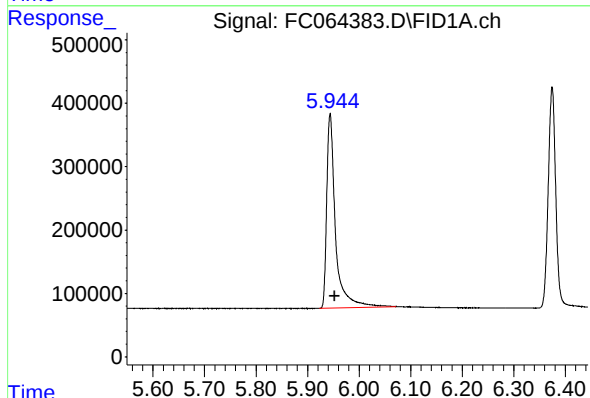
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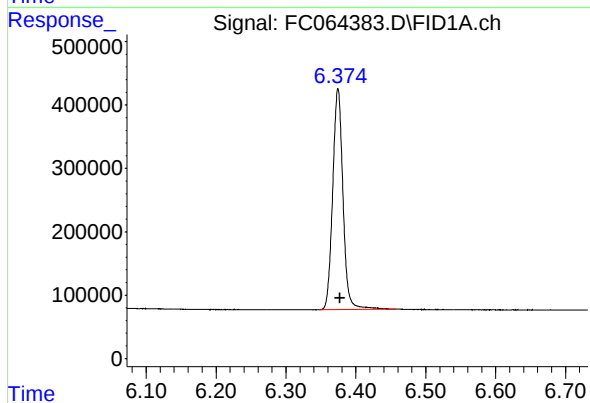
#2 n-Decane (C10)

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 3486869
Conc: 19.88 ug/ml



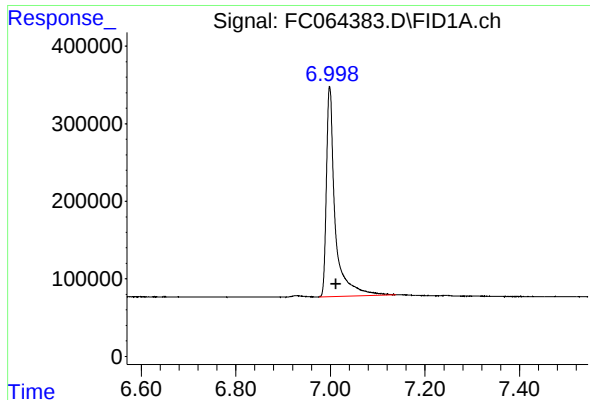
#3 A~Naphthalene (C11.7)

R.T.: 5.944 min
Delta R.T.: -0.009 min
Response: 3644621
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min
Delta R.T.: -0.003 min
Response: 3577432
Conc: 20.07 ug/ml



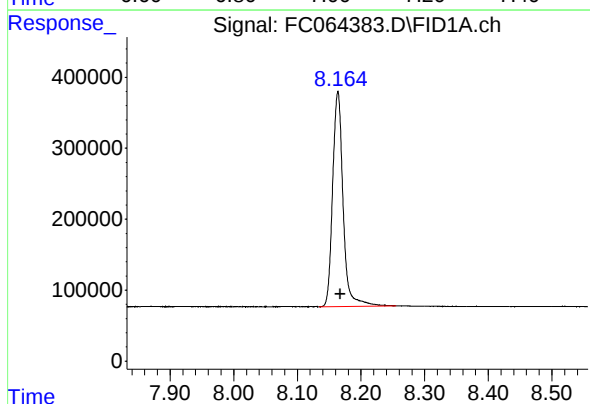
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.998 min
Delta R.T.: -0.014 min
Response: 3513594
Conc: 19.75 ug/ml

Instrument :
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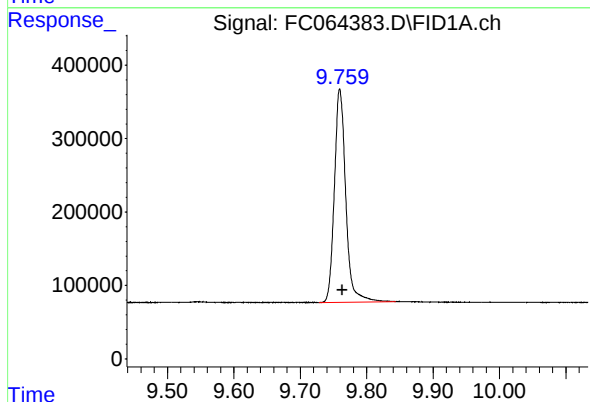
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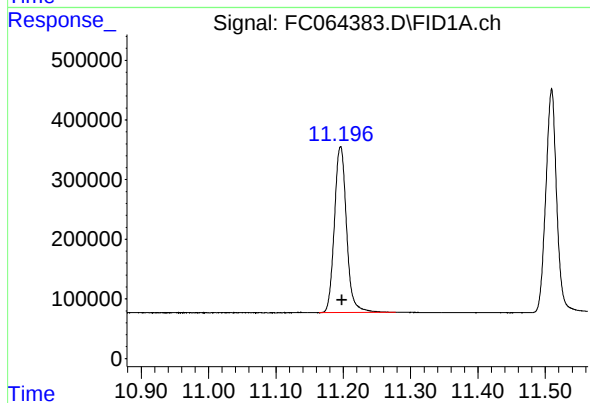
#6 n-Tetradecane (C14)

R.T.: 8.164 min
Delta R.T.: -0.004 min
Response: 3461284
Conc: 19.84 ug/ml



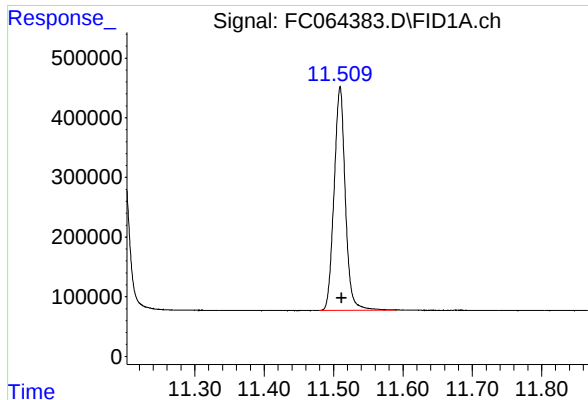
#7 n-Hexadecane (C16)

R.T.: 9.759 min
Delta R.T.: -0.004 min
Response: 3458537
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.002 min
Response: 3484800
Conc: 19.90 ug/ml



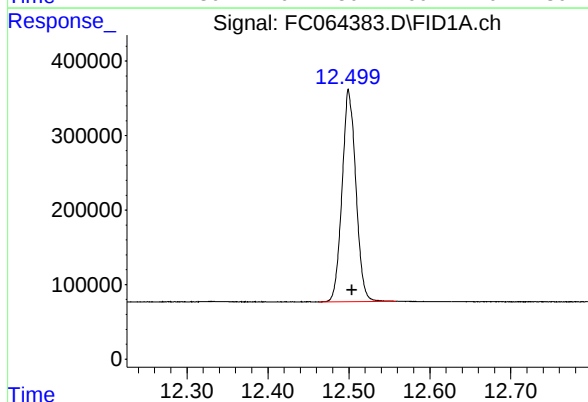
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.003 min
Response: 4221036
Conc: 19.88 ug/ml

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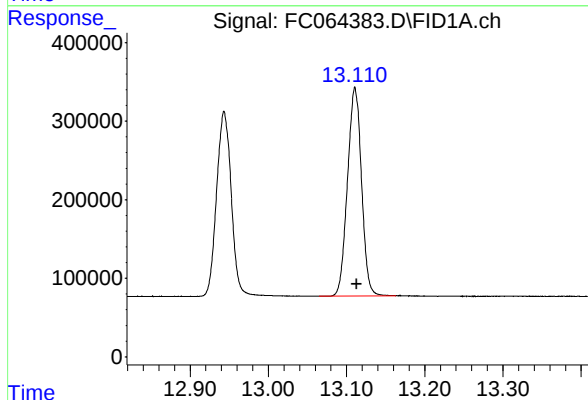
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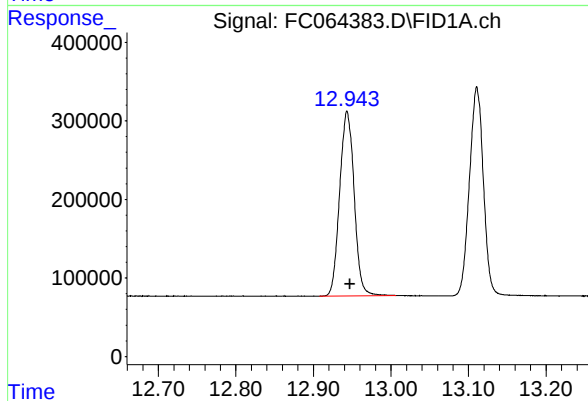
#10 n-Eicosane (C20)

R.T.: 12.500 min
Delta R.T.: -0.004 min
Response: 3364627
Conc: 19.89 ug/ml



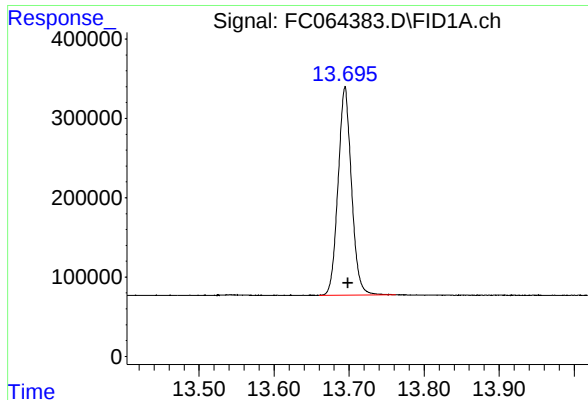
#11 n-Heneicosane (C21)

R.T.: 13.111 min
Delta R.T.: -0.002 min
Response: 3309431
Conc: 19.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: -0.004 min
Response: 3054248
Conc: 20.03 ug/ml



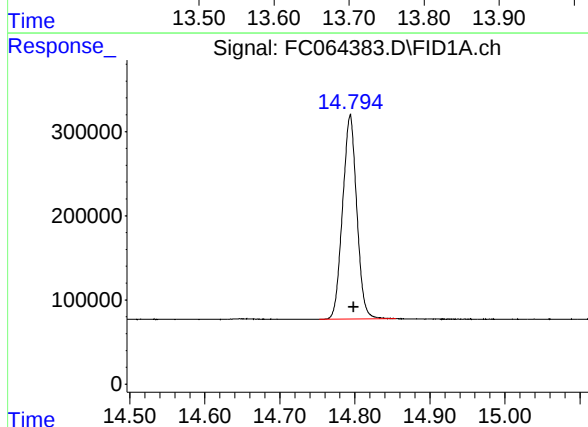
#13 n-Docosane (C22)

R.T.: 13.695 min
Delta R.T.: -0.004 min
Response: 3262553
Conc: 20.00 ug/ml

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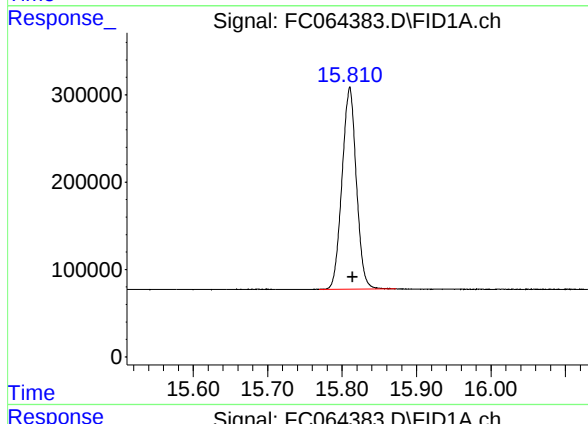
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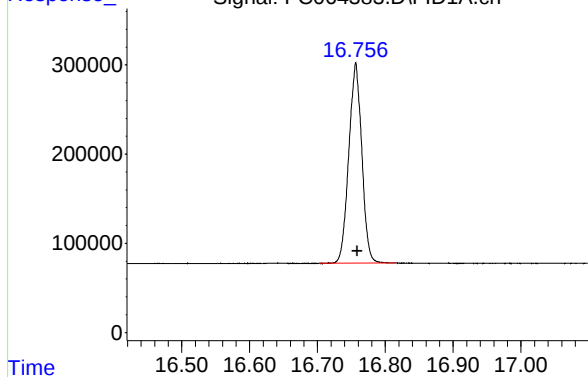
#14 n-Tetracosane (C24)

R.T.: 14.794 min
Delta R.T.: -0.005 min
Response: 3186867
Conc: 20.01 ug/ml



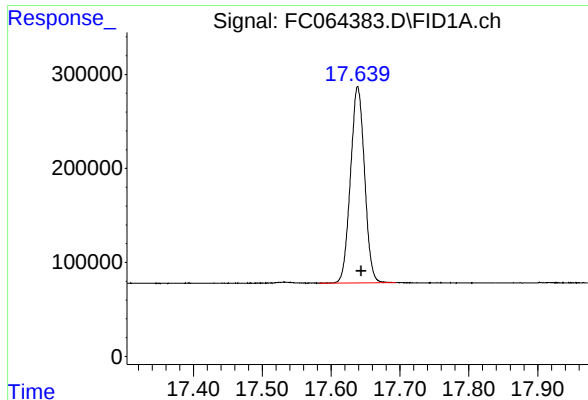
#15 n-Hexacosane (C26)

R.T.: 15.810 min
Delta R.T.: -0.004 min
Response: 3095111
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.757 min
Delta R.T.: -0.002 min
Response: 2988491
Conc: 20.19 ug/ml



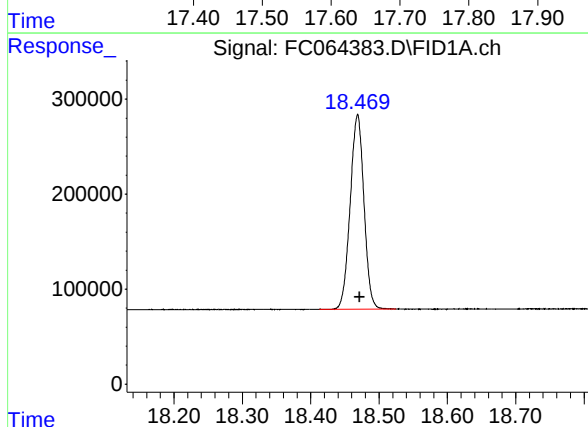
#17 n-Tricontane (C30)

R.T.: 17.639 min
Delta R.T.: -0.005 min
Response: 2962384
Conc: 20.28 ug/ml

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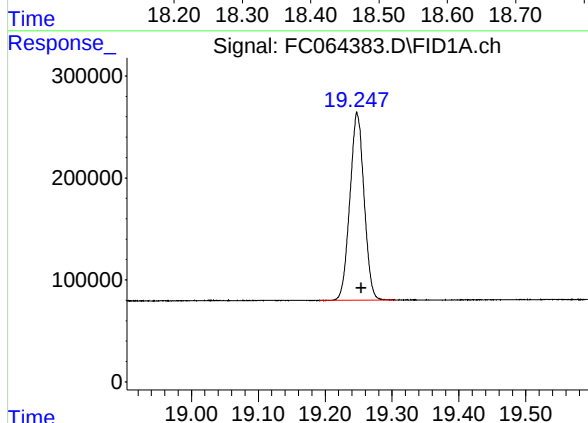
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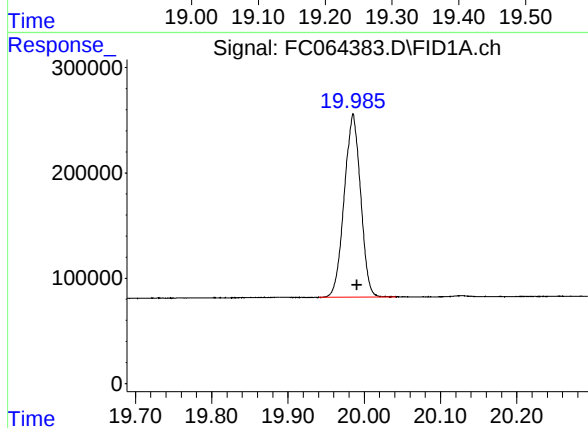
#18 n-Dotriacontane (C32)

R.T.: 18.469 min
Delta R.T.: -0.003 min
Response: 2869779
Conc: 20.32 ug/ml



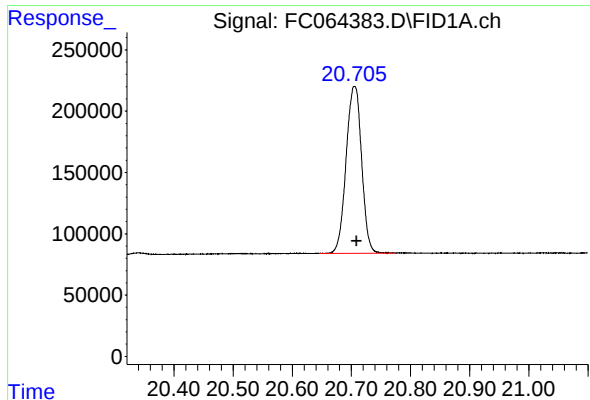
#19 n-Tetatriacontane (C34)

R.T.: 19.248 min
Delta R.T.: -0.006 min
Response: 2714820
Conc: 20.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.985 min
Delta R.T.: -0.005 min
Response: 2588497
Conc: 20.23 ug/ml



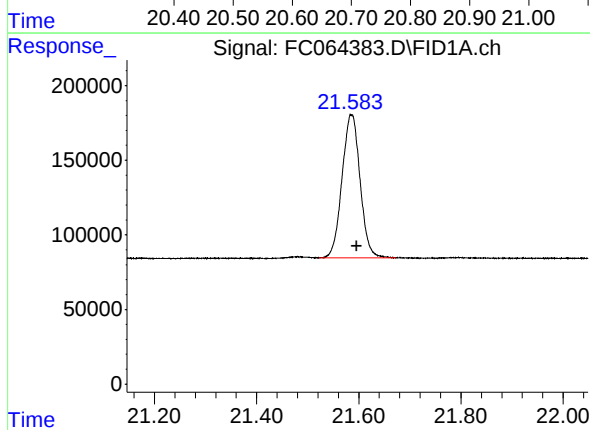
#21 n-Octatriacontane (C38)

R.T.: 20.705 min
Delta R.T.: -0.003 min
Response: 2474191
Conc: 20.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.583 min
Delta R.T.: -0.013 min
Response: 2355453
Conc: 20.28 ug/ml m