

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071723AL\
 Data File : FC064129.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2023 19:33
 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 07/18/2023
 Supervised By :Ankita Jodhani 07/18/2023

Integration File: autoint1.e
 Quant Time: Jul 18 01:51:14 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	3834813	19.750 ug/ml
Spiked Amount 50.000		Recovery =	39.50%
12) S 1-chlorooctadecane (S...	12.954	2756497	19.812 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
Target Compounds			
1) T n-Nonane (C9)	3.303	3430299	19.233 ug/ml
2) T n-Decane (C10)	4.367	3493513	19.306 ug/ml
3) T A~Naphthalene (C11.7)	5.947	3583221	19.210 ug/ml
4) T n-Dodecane (C12)	6.380	3488541	19.365 ug/ml
5) T A~2-methylnaphthalene...	7.002	3409609	19.374 ug/ml
6) T n-Tetradecane (C14)	8.171	3379232	19.534 ug/ml
7) T n-Hexadecane (C16)	9.768	3415486	19.662 ug/ml
8) T n-Octadecane (C18)	11.206	3412910	19.803 ug/ml
10) T n-Eicosane (C20)	12.512	3218628	19.716 ug/ml
11) T n-Heneicosane (C21)	13.122	3137672	19.583 ug/ml
13) T n-Docosane (C22)	13.706	3087893	19.651 ug/ml
14) T n-Tetracosane (C24)	14.805	3039681	19.285 ug/ml
15) T n-Hexacosane (C26)	15.821	2973655	19.682 ug/ml
16) T n-Octacosane (C28)	16.769	2931039	19.452 ug/ml
17) T n-Tricontane (C30)	17.655	3043015	19.491 ug/ml
18) T n-Dotriacontane (C32)	18.483	3054827	19.337 ug/ml
19) T n-Tetratriacontane (C34)	19.264	2985503	19.402 ug/ml
20) T n-Hexatriacontane (C36)	20.000	2907378	19.693 ug/mlm
21) T n-Octatriacontane (C38)	20.723	2919366	19.708 ug/ml
22) T n-Tetracontane (C40)	21.607	2918054	20.020 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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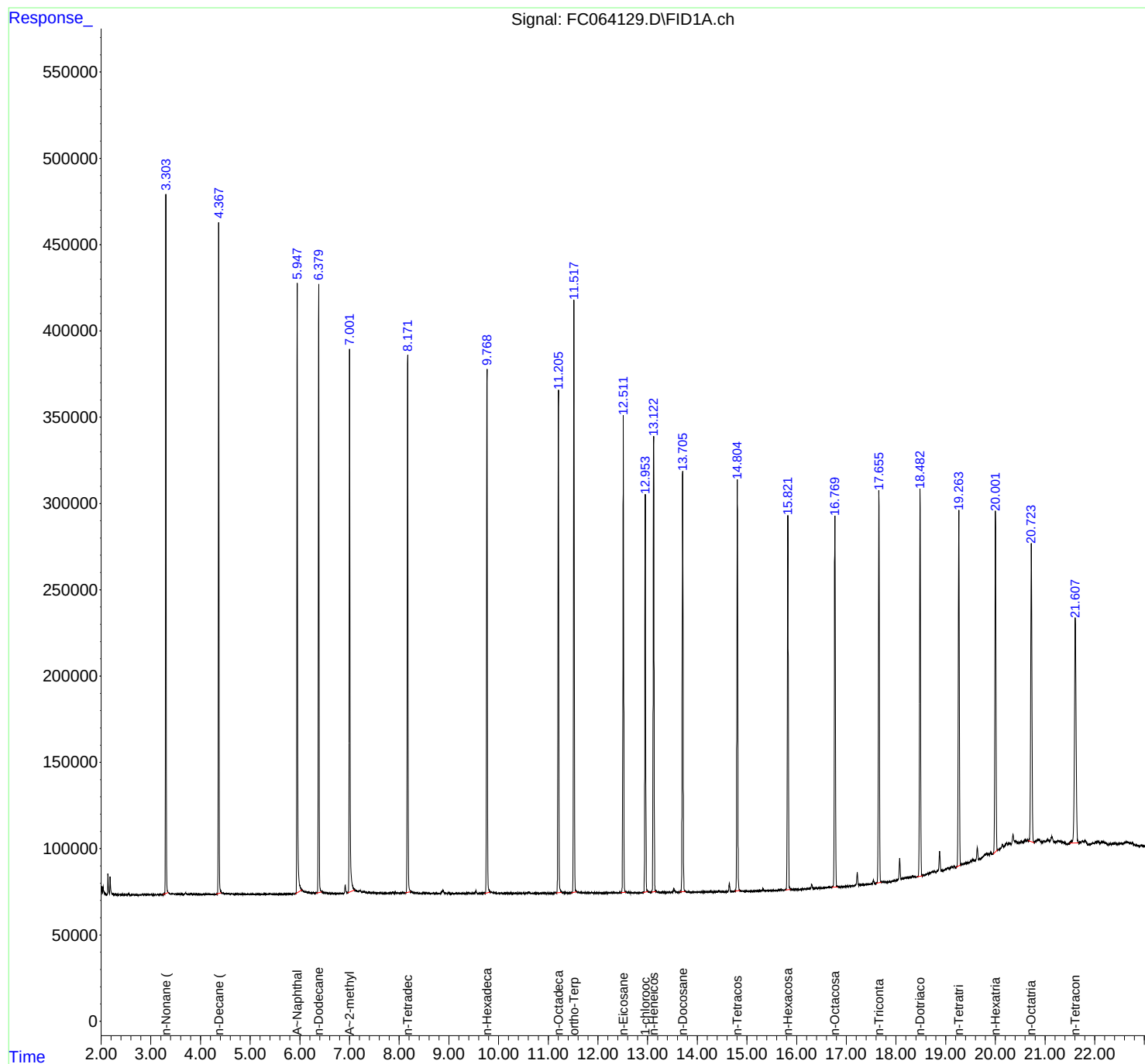
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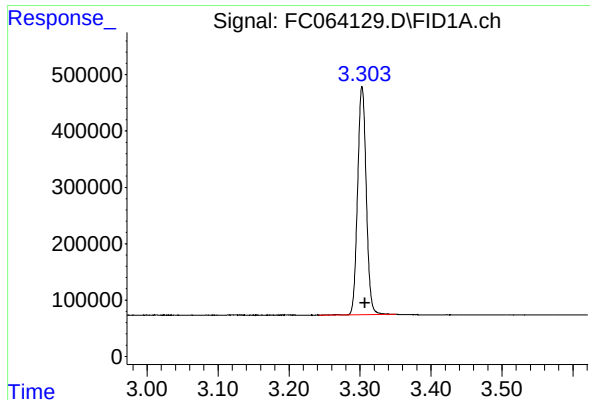
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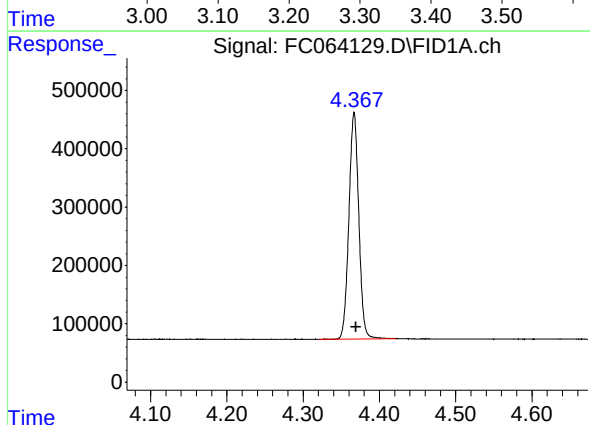
#1 n-Nonane (C9)

R.T.: 3.303 min
Delta R.T.: -0.004 min
Response: 3430299
Conc: 19.23 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

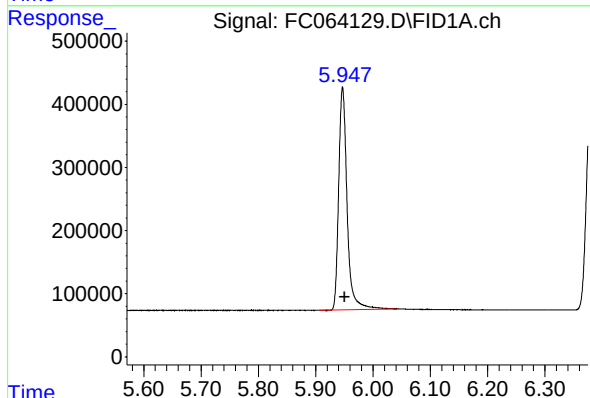
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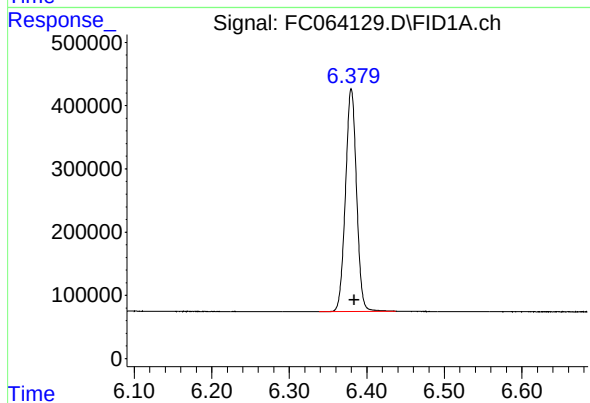
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 3493513
Conc: 19.31 ug/ml



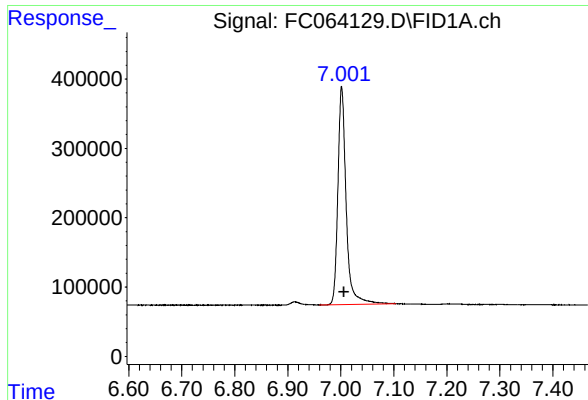
#3 A~Naphthalene (C11.7)

R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 3583221
Conc: 19.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.004 min
Response: 3488541
Conc: 19.36 ug/ml



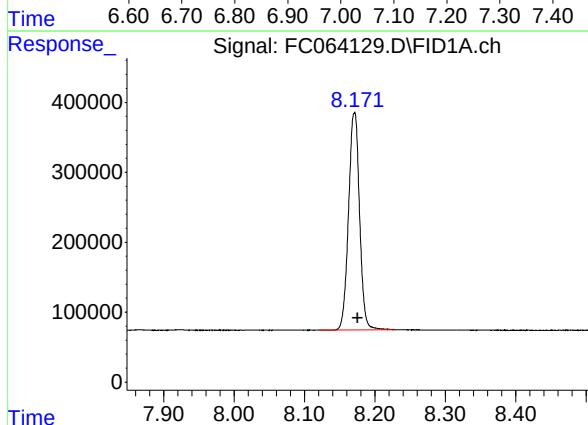
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.004 min
Response: 3409609
Conc: 19.37 ug/ml

Instrument :
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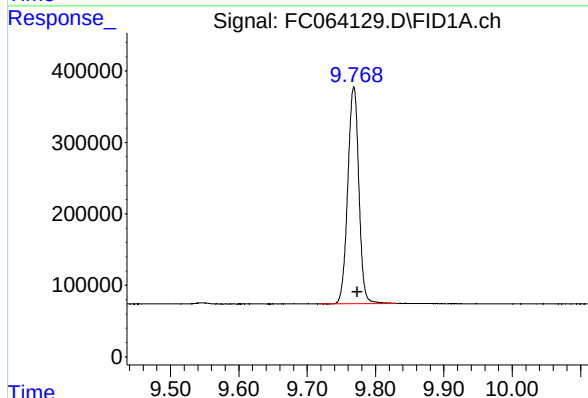
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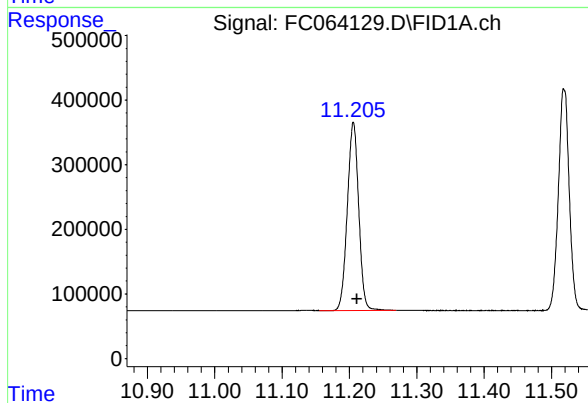
#6 n-Tetradecane (C14)

R.T.: 8.171 min
Delta R.T.: -0.004 min
Response: 3379232
Conc: 19.53 ug/ml



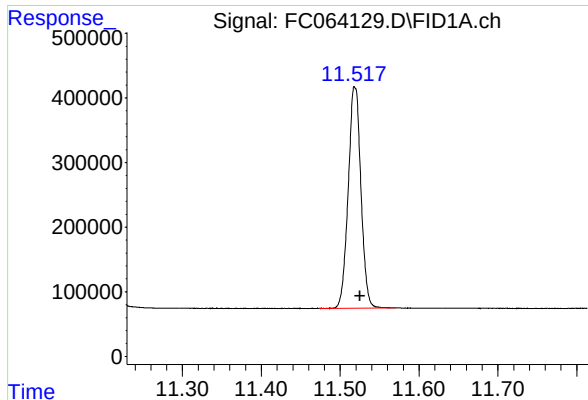
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: -0.005 min
Response: 3415486
Conc: 19.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.206 min
Delta R.T.: -0.005 min
Response: 3412910
Conc: 19.80 ug/ml



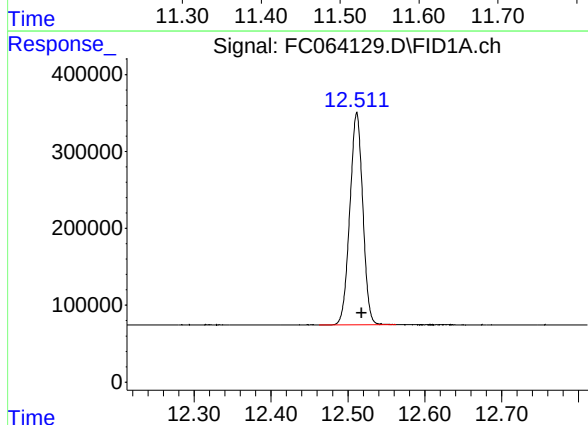
#9 ortho-Terphenyl (SURR)

R.T.: 11.519 min
Delta R.T.: -0.006 min
Response: 3834813
Conc: 19.75 ug/ml

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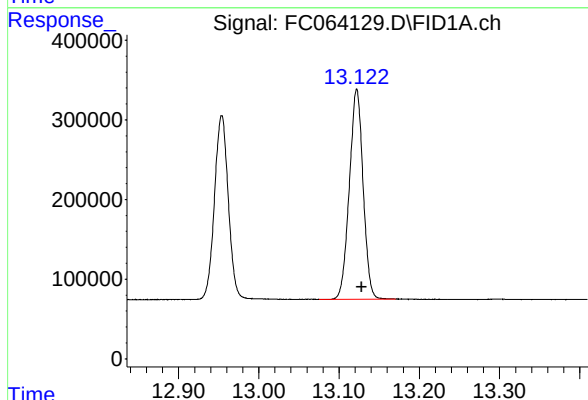
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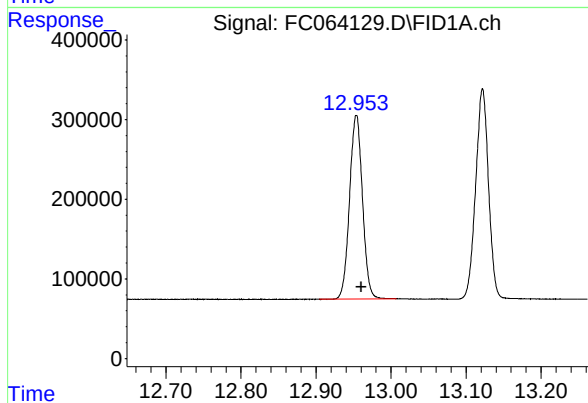
#10 n-Eicosane (C20)

R.T.: 12.512 min
Delta R.T.: -0.007 min
Response: 3218628
Conc: 19.72 ug/ml



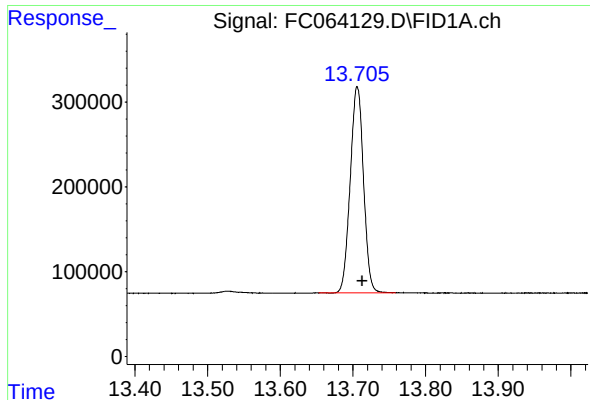
#11 n-Heneicosane (C21)

R.T.: 13.122 min
Delta R.T.: -0.006 min
Response: 3137672
Conc: 19.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.954 min
Delta R.T.: -0.007 min
Response: 2756497
Conc: 19.81 ug/ml



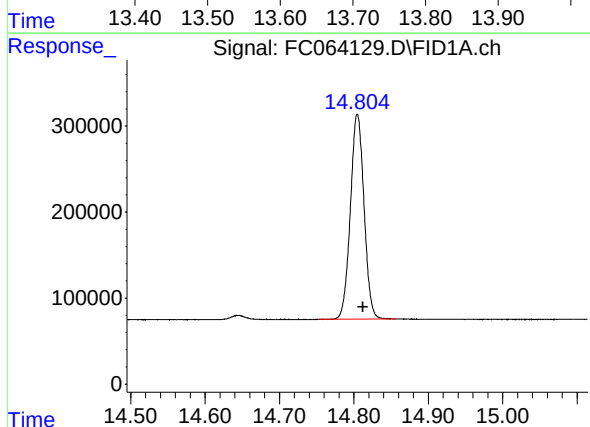
#13 n-Docosane (C22)

R.T.: 13.706 min
Delta R.T.: -0.007 min
Response: 3087893
Conc: 19.65 ug/ml

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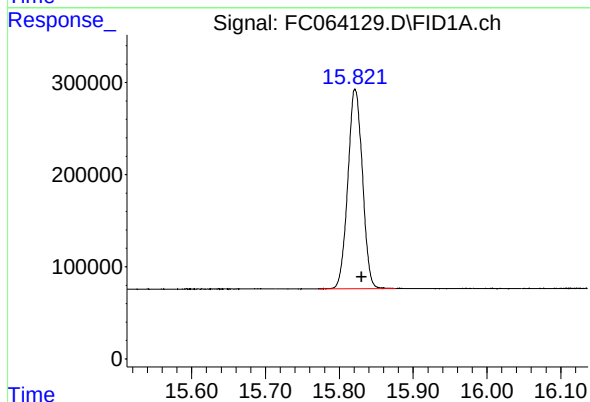
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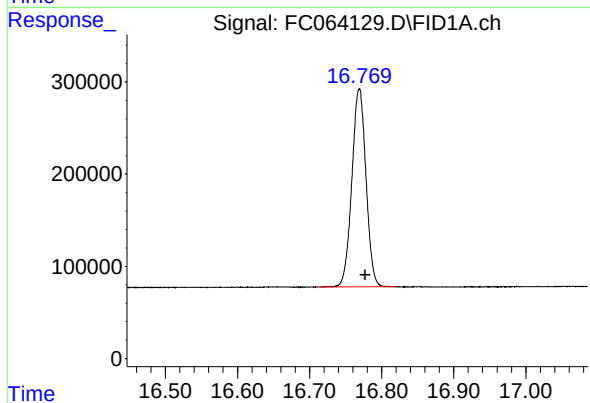
#14 n-Tetracosane (C24)

R.T.: 14.805 min
Delta R.T.: -0.008 min
Response: 3039681
Conc: 19.28 ug/ml



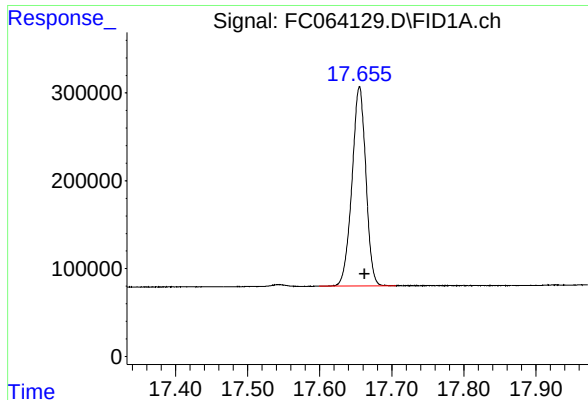
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: -0.009 min
Response: 2973655
Conc: 19.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.769 min
Delta R.T.: -0.008 min
Response: 2931039
Conc: 19.45 ug/ml



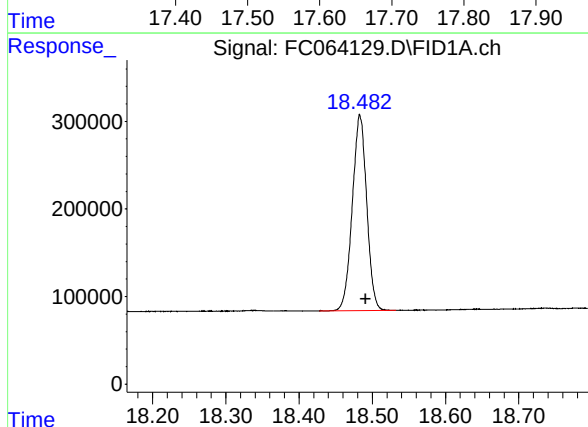
#17 n-Tricontane (C30)

R.T.: 17.655 min
Delta R.T.: -0.007 min
Response: 3043015
Conc: 19.49 ug/ml

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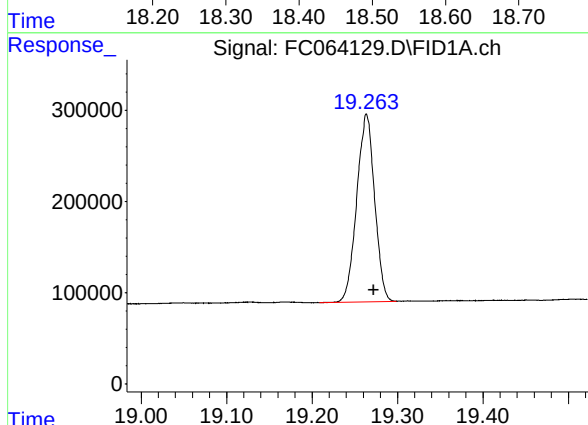
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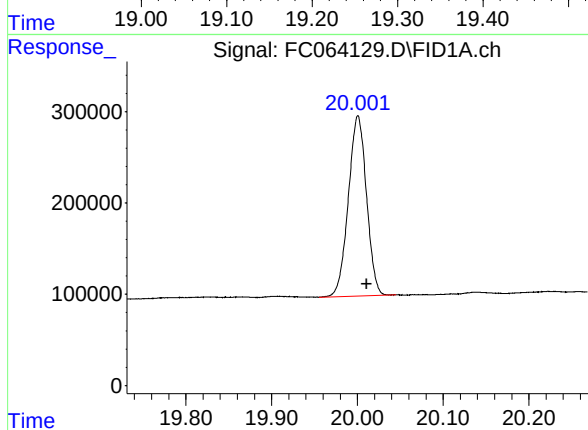
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: -0.008 min
Response: 3054827
Conc: 19.34 ug/ml



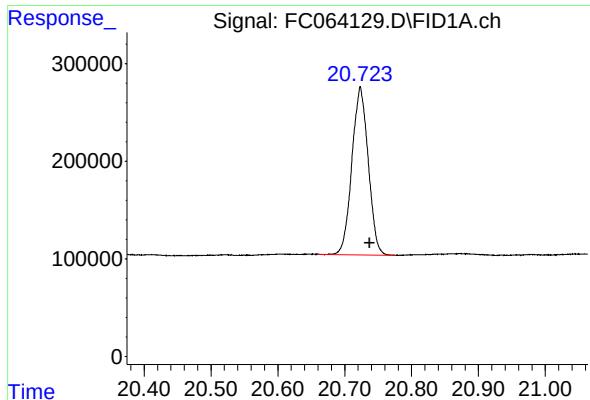
#19 n-Tetatriacontane (C34)

R.T.: 19.264 min
Delta R.T.: -0.008 min
Response: 2985503
Conc: 19.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: -0.010 min
Response: 2907378
Conc: 19.69 ug/ml m



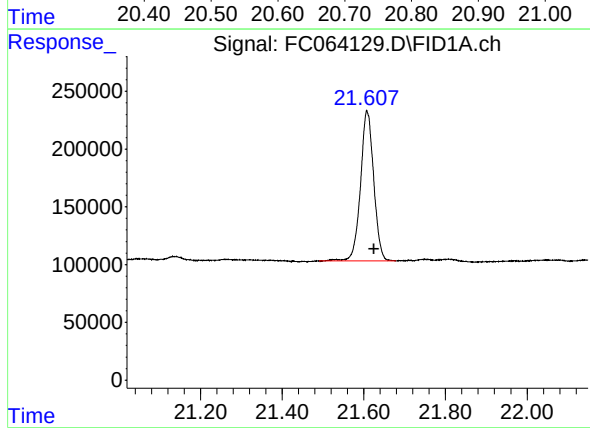
#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: -0.014 min
Response: 2919366
Conc: 19.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.607 min
Delta R.T.: -0.018 min
Response: 2918054
Conc: 20.02 ug/ml