

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071723AL\
 Data File : FC064117.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2023 10:08
 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 01:43:27 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)	11.520	3740991	19.267 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	12.954	2630337	18.906 ug/ml
Spiked Amount 50.000		Recovery =	37.81%
Target Compounds			
1) T n-Nonane (C9)	3.306	3351118	18.790 ug/ml
2) T n-Decane (C10)	4.367	3393182	18.752 ug/ml
3) T A~Naphthalene (C11.7)	5.948	3469843	18.602 ug/ml
4) T n-Dodecane (C12)	6.380	3374796	18.733 ug/ml
5) T A~2-methylnaphthalene...	7.002	3261615	18.533 ug/ml
6) T n-Tetradecane (C14)	8.171	3258948	18.839 ug/ml
7) T n-Hexadecane (C16)	9.768	3288806	18.933 ug/ml
8) T n-Octadecane (C18)	11.206	3287246	19.073 ug/ml
10) T n-Eicosane (C20)	12.511	3109367	19.047 ug/ml
11) T n-Heneicosane (C21)	13.121	3042052	18.986 ug/ml
13) T n-Docosane (C22)	13.705	2994915	19.059 ug/ml
14) T n-Tetracosane (C24)	14.805	2959811	18.778 ug/ml
15) T n-Hexacosane (C26)	15.821	2896271	19.170 ug/ml
16) T n-Octacosane (C28)	16.768	2852002	18.927 ug/ml
17) T n-Tricontane (C30)	17.653	2972723	19.040 ug/ml
18) T n-Dotriacontane (C32)	18.483	2980720	18.868 ug/ml
19) T n-Tetratriacontane (C34)	19.262	2913181	18.932 ug/ml
20) T n-Hexatriacontane (C36)	19.997	2800911	18.971 ug/mlm
21) T n-Octatriacontane (C38)	20.722	2770161	18.701 ug/ml
22) T n-Tetracontane (C40)	21.608	2683247	18.409 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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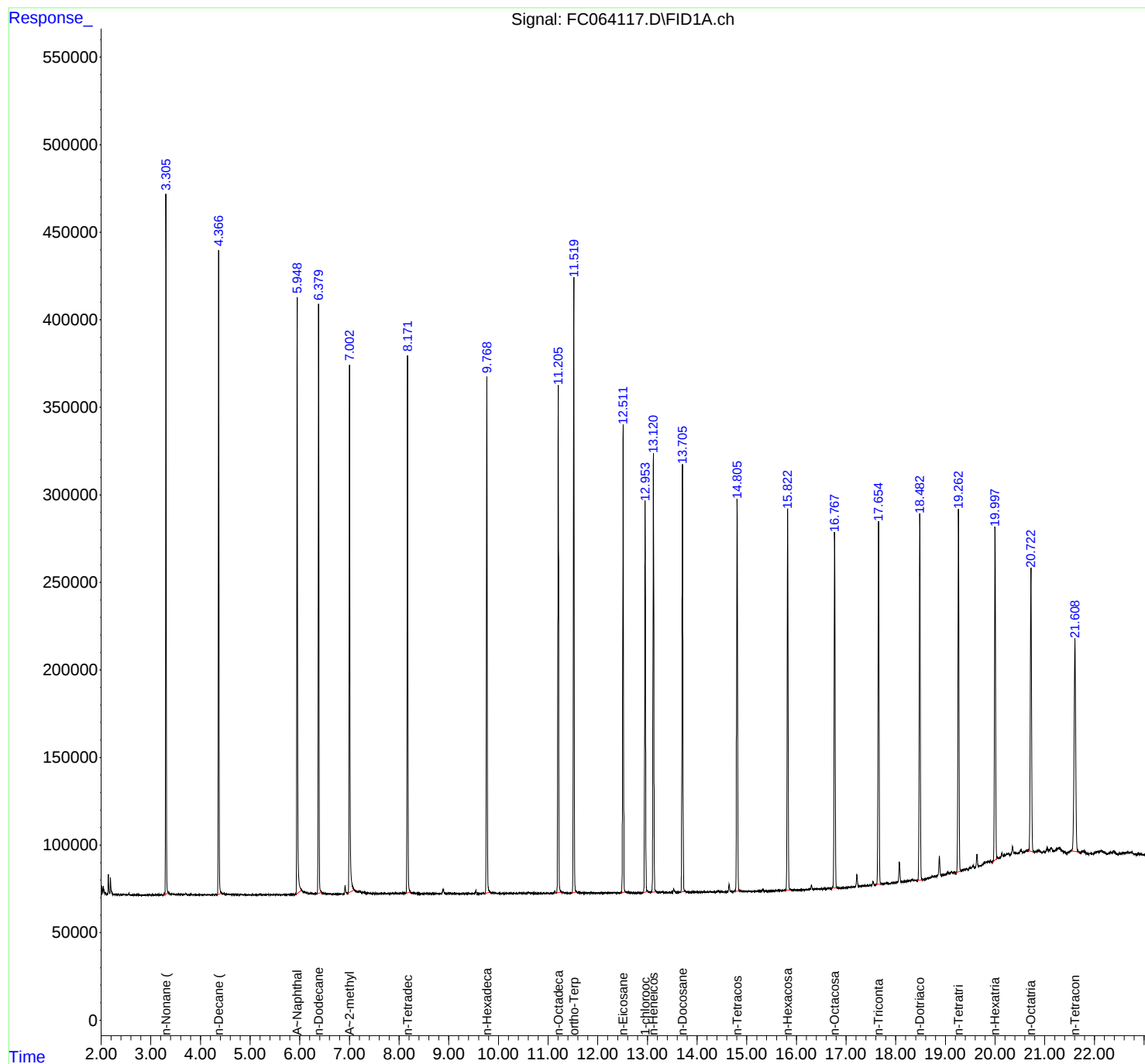
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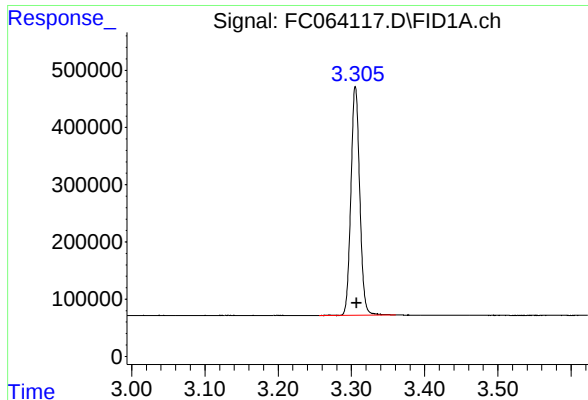
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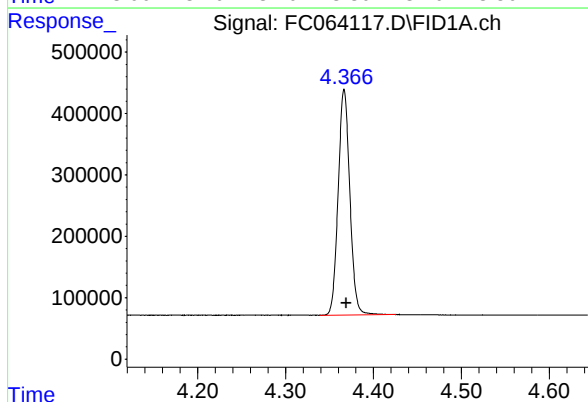
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.001 min
Response: 3351118
Conc: 18.79 ug/ml

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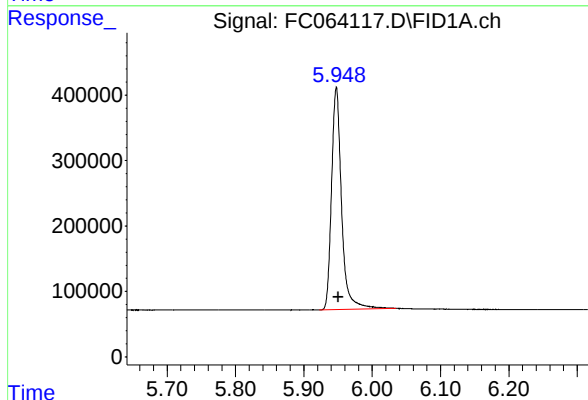
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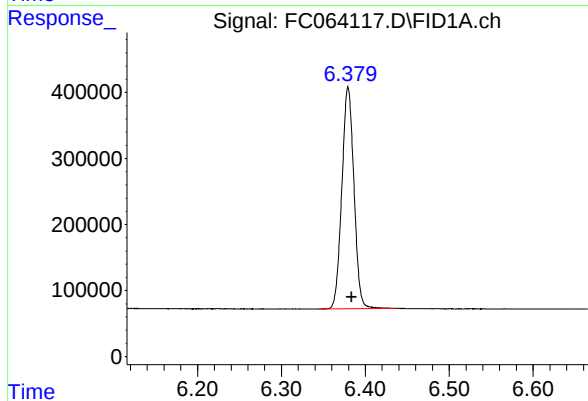
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 3393182
Conc: 18.75 ug/ml



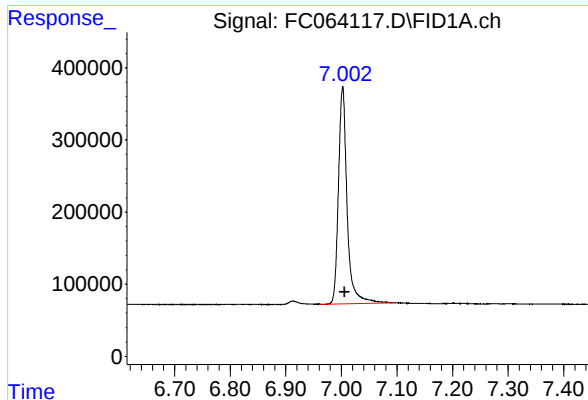
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: -0.003 min
Response: 3469843
Conc: 18.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.004 min
Response: 3374796
Conc: 18.73 ug/ml



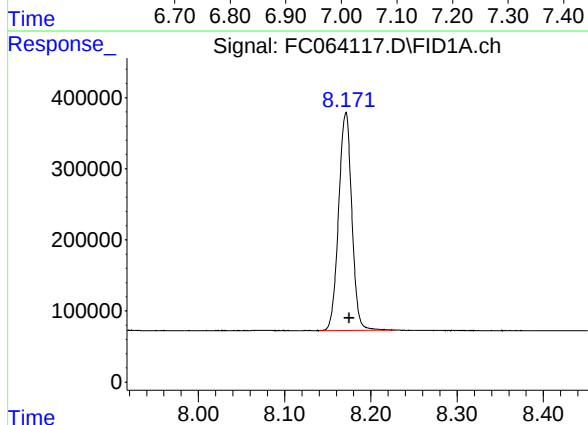
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 3261615
Conc: 18.53 ug/ml

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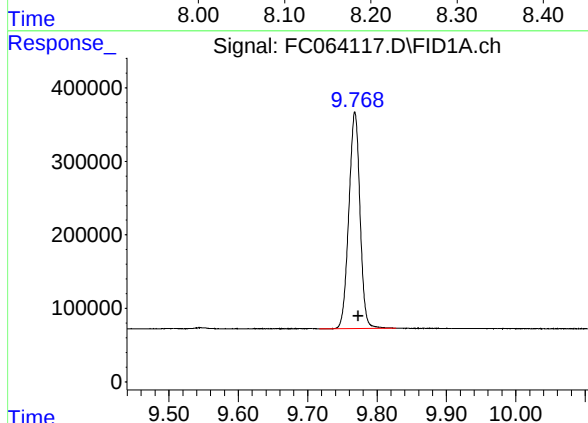
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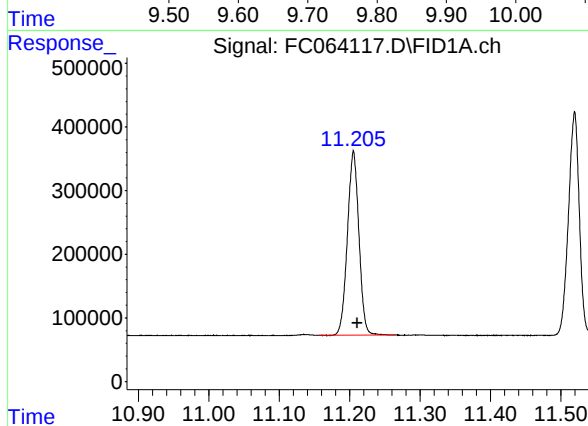
#6 n-Tetradecane (C14)

R.T.: 8.171 min
Delta R.T.: -0.004 min
Response: 3258948
Conc: 18.84 ug/ml



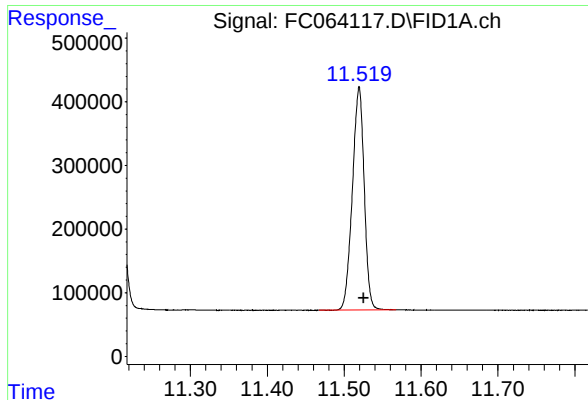
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: -0.005 min
Response: 3288806
Conc: 18.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.206 min
Delta R.T.: -0.006 min
Response: 3287246
Conc: 19.07 ug/ml



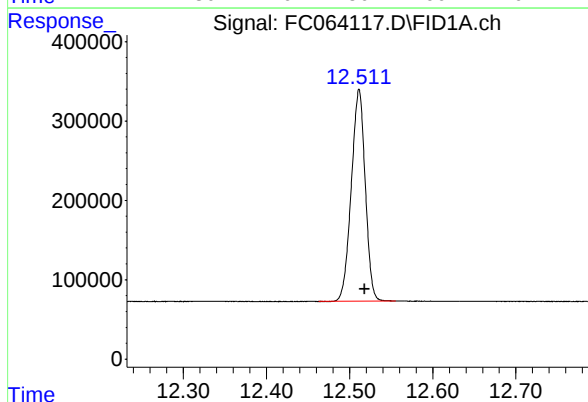
#9 ortho-Terphenyl (SURR)

R.T.: 11.520 min
Delta R.T.: -0.006 min
Response: 3740991
Conc: 19.27 ug/ml

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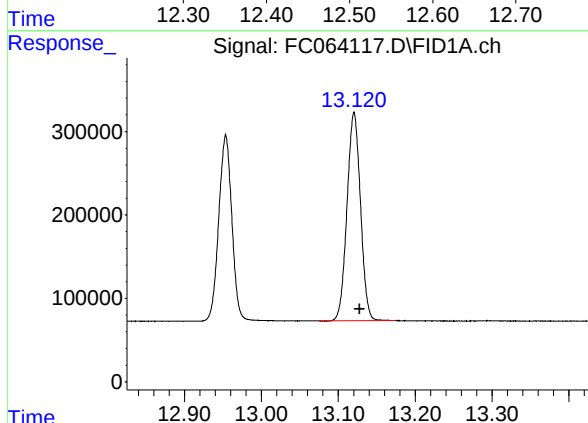
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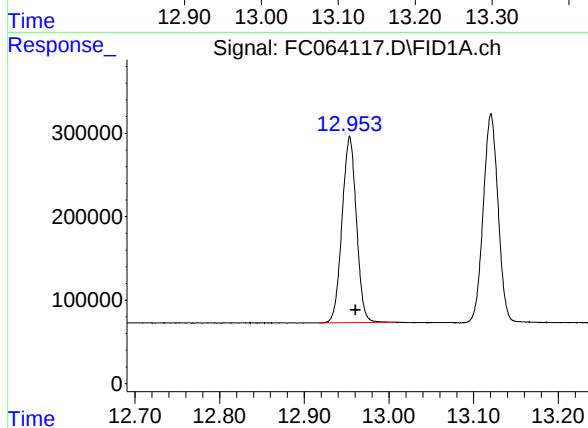
#10 n-Eicosane (C20)

R.T.: 12.511 min
Delta R.T.: -0.007 min
Response: 3109367
Conc: 19.05 ug/ml



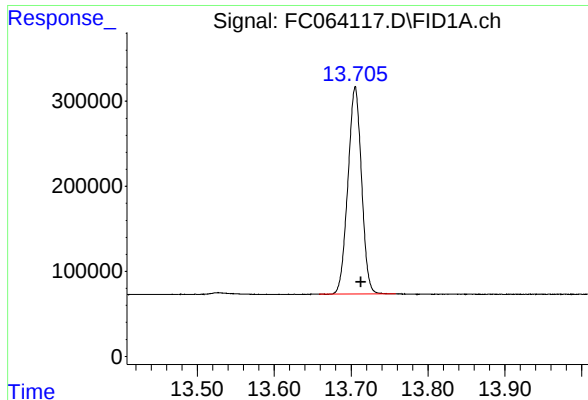
#11 n-Heneicosane (C21)

R.T.: 13.121 min
Delta R.T.: -0.007 min
Response: 3042052
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.954 min
Delta R.T.: -0.007 min
Response: 2630337
Conc: 18.91 ug/ml



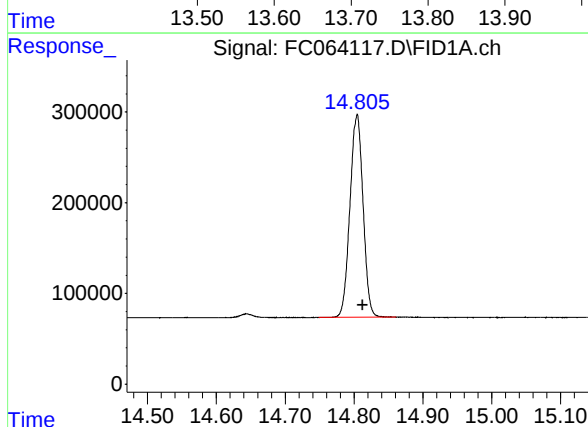
#13 n-Docosane (C22)

R.T.: 13.705 min
Delta R.T.: -0.007 min
Response: 2994915
Conc: 19.06 ug/ml

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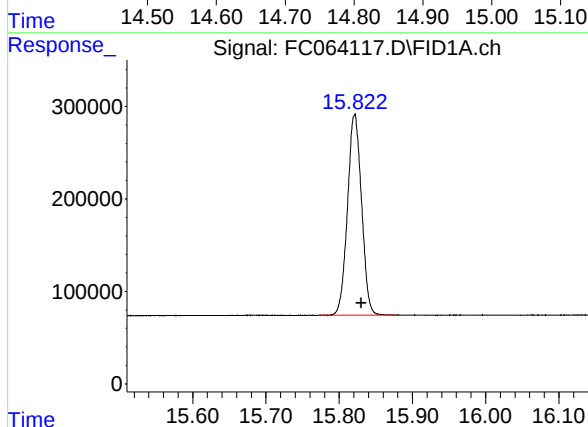
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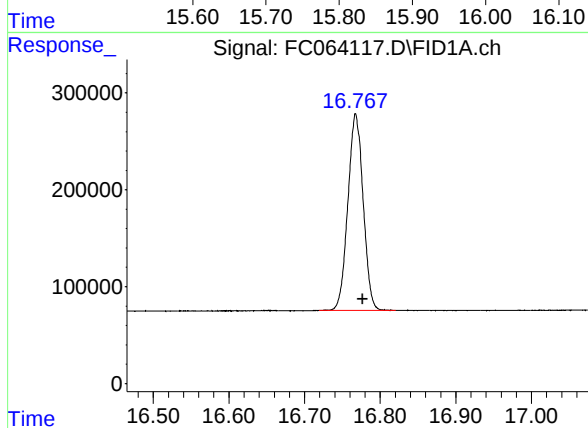
#14 n-Tetracosane (C24)

R.T.: 14.805 min
Delta R.T.: -0.008 min
Response: 2959811
Conc: 18.78 ug/ml



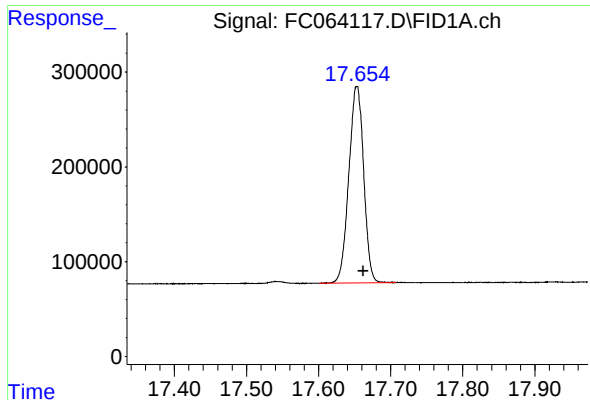
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: -0.009 min
Response: 2896271
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.768 min
Delta R.T.: -0.009 min
Response: 2852002
Conc: 18.93 ug/ml



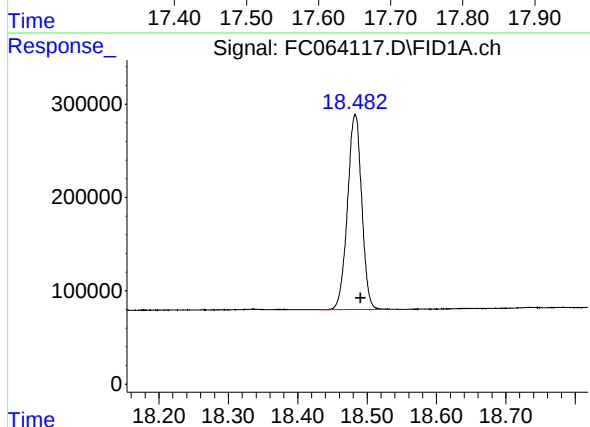
#17 n-Tricontane (C30)

R.T.: 17.653 min
Delta R.T.: -0.009 min
Response: 2972723
Conc: 19.04 ug/ml

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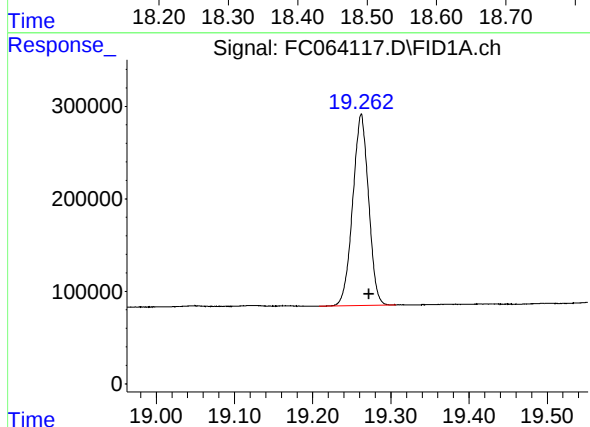
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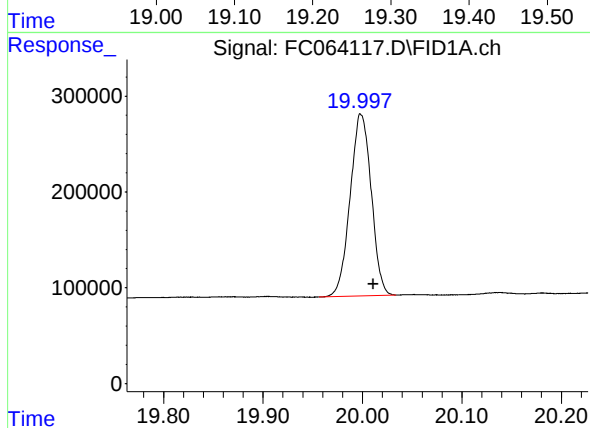
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: -0.008 min
Response: 2980720
Conc: 18.87 ug/ml



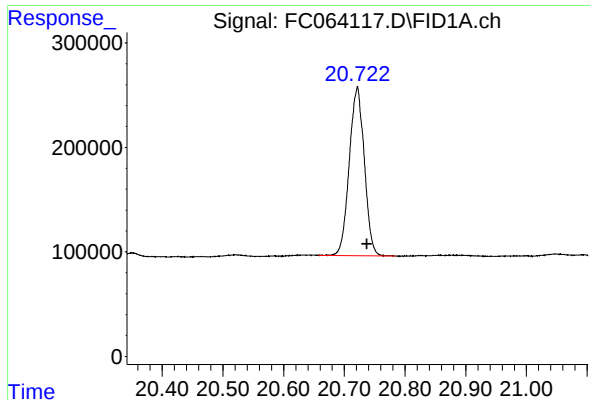
#19 n-Tetatriacontane (C34)

R.T.: 19.262 min
Delta R.T.: -0.010 min
Response: 2913181
Conc: 18.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.997 min
Delta R.T.: -0.013 min
Response: 2800911
Conc: 18.97 ug/ml m



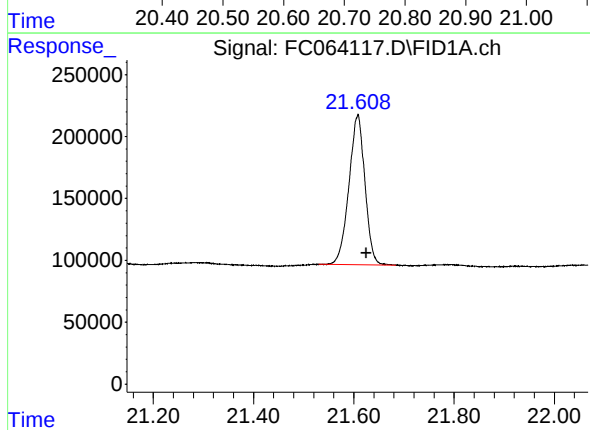
#21 n-Octatriacontane (C38)

R.T.: 20.722 min
Delta R.T.: -0.016 min
Response: 2770161
Conc: 18.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: -0.017 min
Response: 2683247
Conc: 18.41 ug/ml