

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101923AL\
 Data File : FC064869.D
 Signal(s) : FID1A.ch
 Acq On : 19 Oct 2023 13:40
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :Ankita Jodhani 10/20/2023

Integration File: autoint1.e
 Quant Time: Oct 20 01:04:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 10 12:17:45 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	4307318	20.173 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
12) S 1-chlorooctadecane (S...	12.951	3118187	20.796 ug/ml
Spiked Amount 50.000		Recovery =	41.59%
Target Compounds			
1) T n-Nonane (C9)	3.318	3741906	20.373 ug/ml
2) T n-Decane (C10)	4.378	3774982	20.637 ug/ml
3) T A~Naphthalene (C11.7)	5.957	3939185	20.769 ug/ml
4) T n-Dodecane (C12)	6.388	3840435	20.604 ug/ml
5) T A~2-methylnaphthalene...	7.011	3832683	21.885 ug/ml
6) T n-Tetradecane (C14)	8.176	3759364	20.932 ug/ml
7) T n-Hexadecane (C16)	9.769	3759134	21.133 ug/ml
8) T n-Octadecane (C18)	11.205	3729671	20.785 ug/ml
10) T n-Eicosane (C20)	12.509	3536206	20.536 ug/ml
11) T n-Heneicosane (C21)	13.119	3442655	20.328 ug/ml
13) T n-Docosane (C22)	13.703	3400376	20.637 ug/ml
14) T n-Tetracosane (C24)	14.801	3340347	20.987 ug/ml
15) T n-Hexacosane (C26)	15.816	3221404	21.029 ug/ml
16) T n-Octacosane (C28)	16.762	3174007	21.538 ug/ml
17) T n-Tricontane (C30)	17.646	3206989	21.919 ug/ml
18) T n-Dotriacontane (C32)	18.476	3174453	21.985 ug/ml
19) T n-Tetratriacontane (C34)	19.255	2993316	21.274 ug/ml
20) T n-Hexatriacontane (C36)	19.990	2936258	21.223 ug/mlm
21) T n-Octatriacontane (C38)	20.713	2870164	21.667 ug/ml
22) T n-Tetracontane (C40)	21.593	2829669	22.610 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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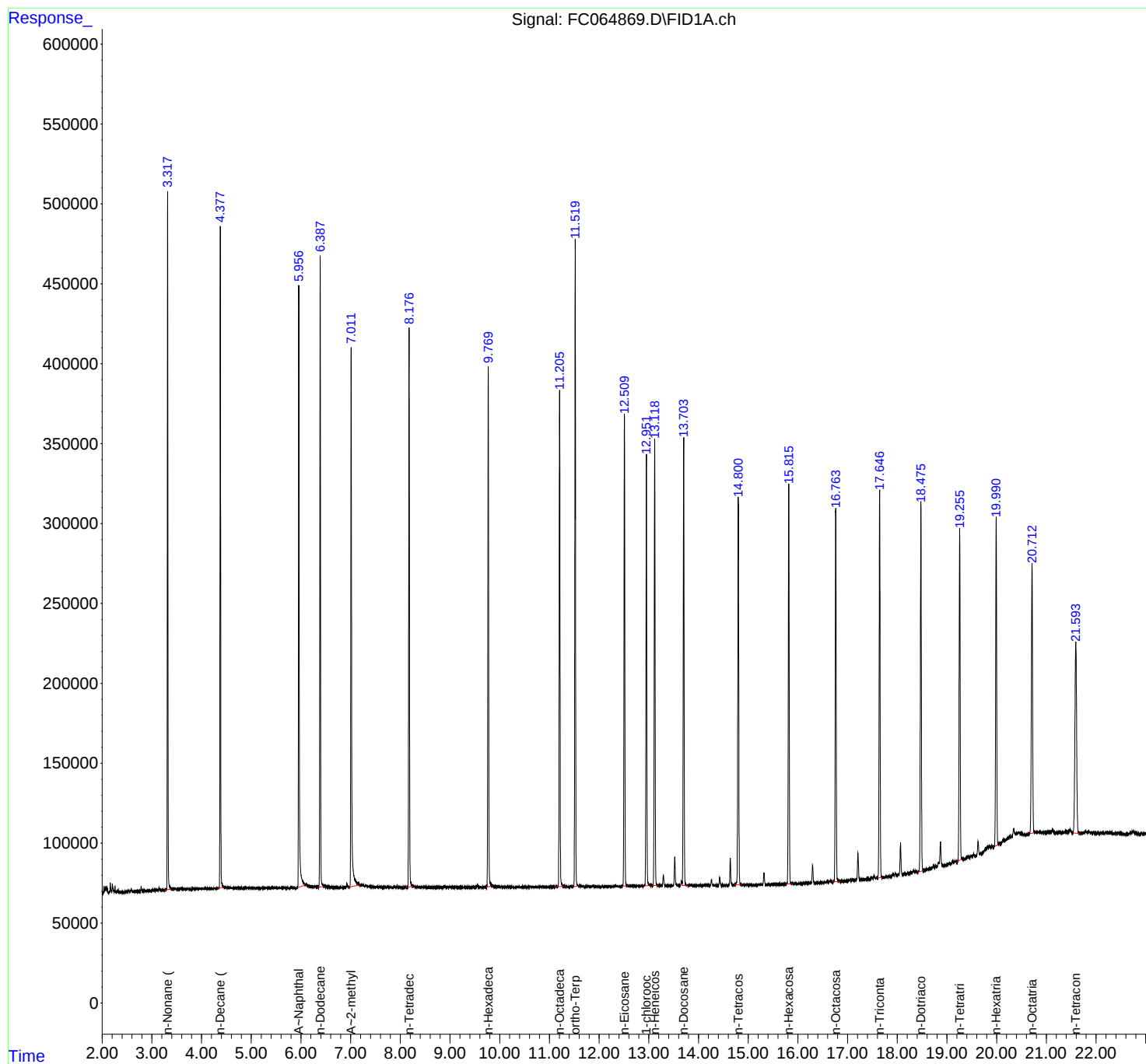
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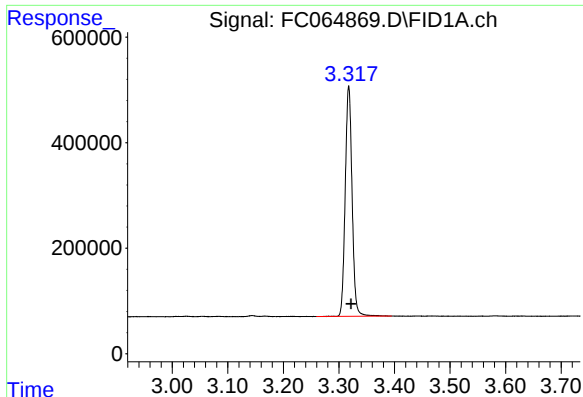
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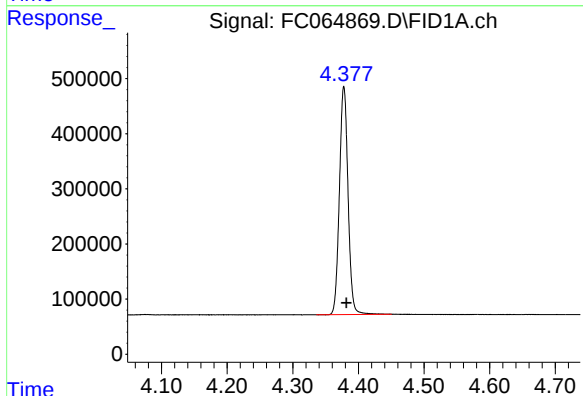
#1 n-Nonane (C9)

R.T.: 3.318 min
Delta R.T.: -0.004 min
Response: 3741906
Conc: 20.37 ug/ml

Instrument :
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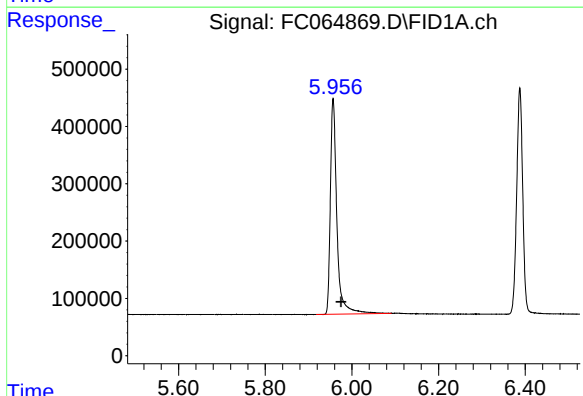
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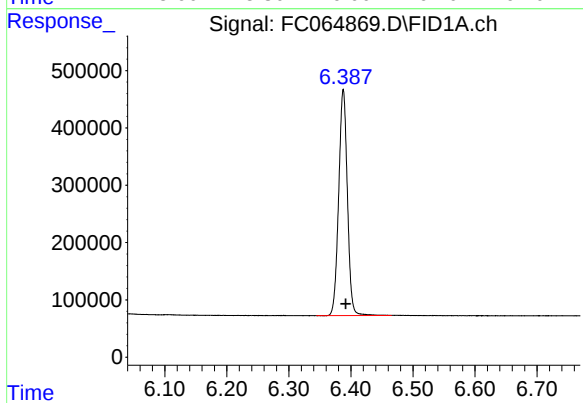
#2 n-Decane (C10)

R.T.: 4.378 min
Delta R.T.: -0.004 min
Response: 3774982
Conc: 20.64 ug/ml



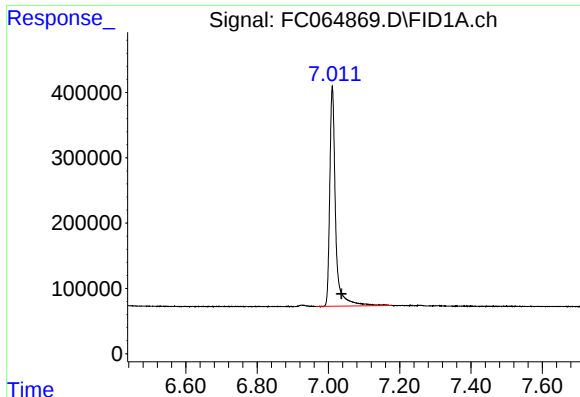
#3 A~Naphthalene (C11.7)

R.T.: 5.957 min
Delta R.T.: -0.019 min
Response: 3939185
Conc: 20.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.388 min
Delta R.T.: -0.004 min
Response: 3840435
Conc: 20.60 ug/ml



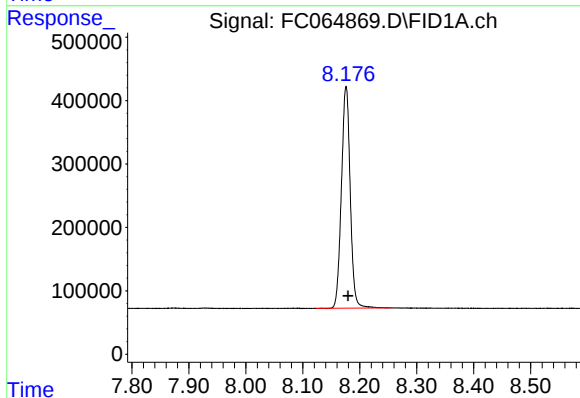
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.011 min
Delta R.T.: -0.025 min
Response: 3832683
Conc: 21.89 ug/ml

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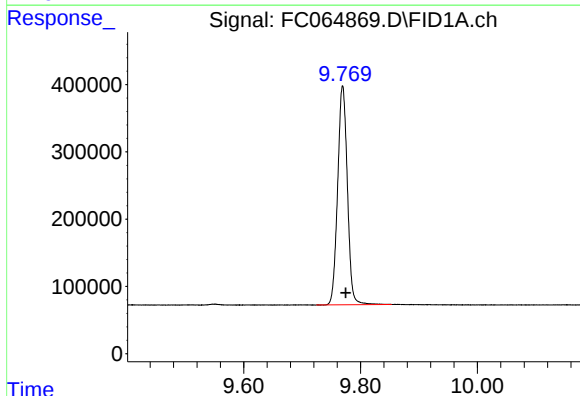
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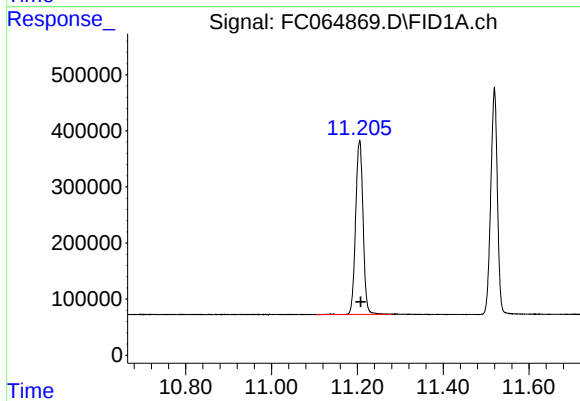
#6 n-Tetradecane (C14)

R.T.: 8.176 min
Delta R.T.: -0.003 min
Response: 3759364
Conc: 20.93 ug/ml



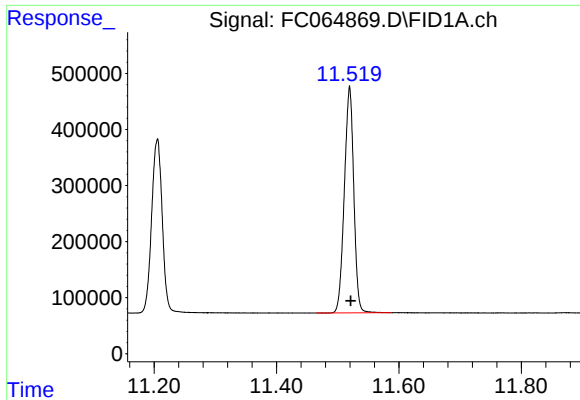
#7 n-Hexadecane (C16)

R.T.: 9.769 min
Delta R.T.: -0.005 min
Response: 3759134
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.205 min
Delta R.T.: -0.003 min
Response: 3729671
Conc: 20.78 ug/ml



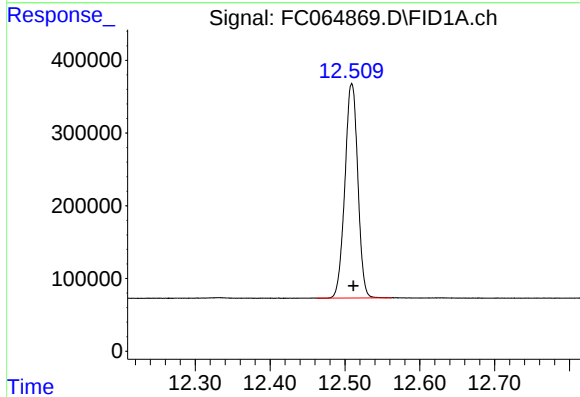
#9 ortho-Terphenyl (SURR)

R.T.: 11.520 min
Delta R.T.: -0.002 min
Response: 4307318
Conc: 20.17 ug/ml

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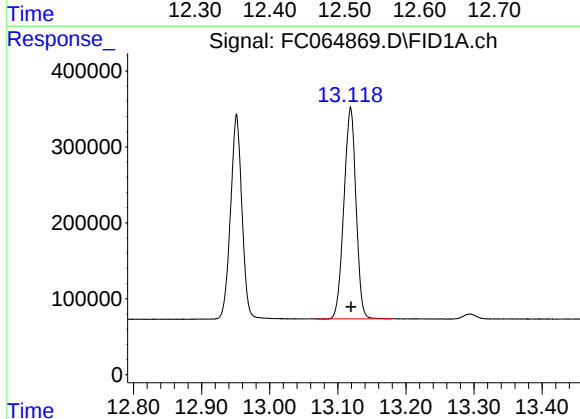
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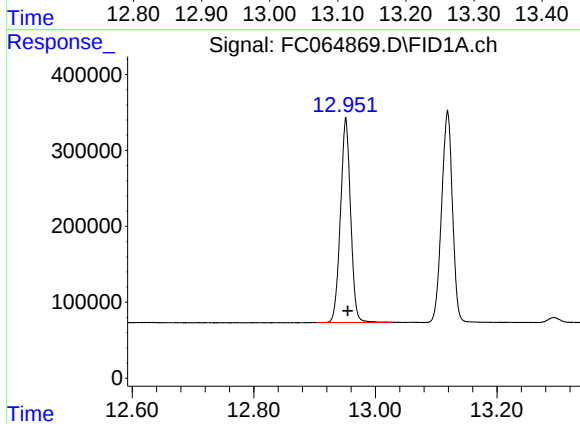
#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: -0.002 min
Response: 3536206
Conc: 20.54 ug/ml



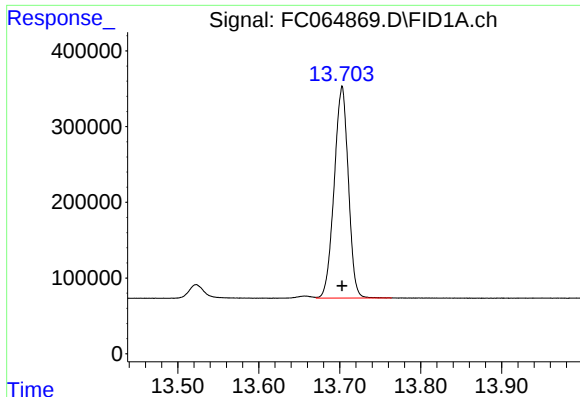
#11 n-Heneicosane (C21)

R.T.: 13.119 min
Delta R.T.: 0.000 min
Response: 3442655
Conc: 20.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.951 min
Delta R.T.: -0.003 min
Response: 3118187
Conc: 20.80 ug/ml



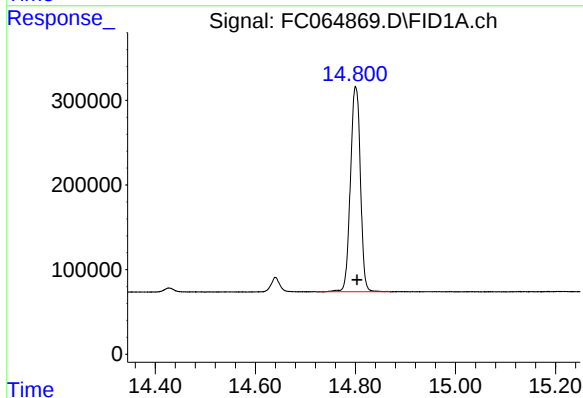
#13 n-Docosane (C22)

R.T.: 13.703 min
Delta R.T.: 0.000 min
Response: 3400376
Conc: 20.64 ug/ml

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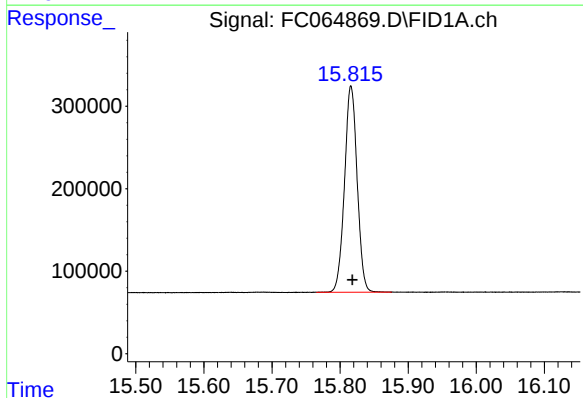
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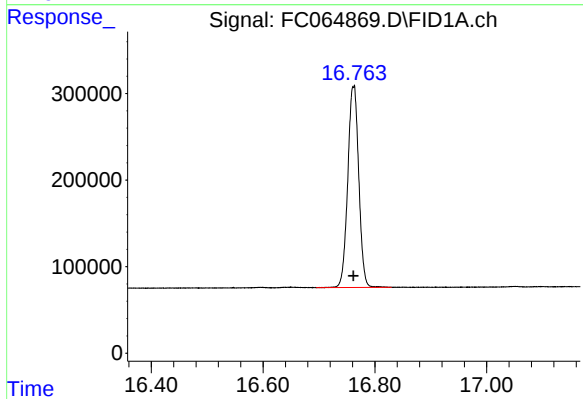
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: -0.003 min
Response: 3340347
Conc: 20.99 ug/ml



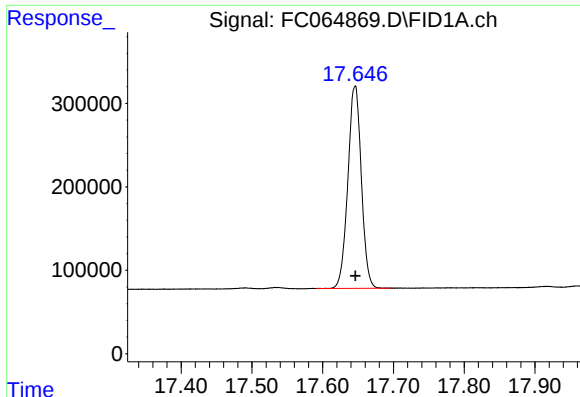
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: -0.002 min
Response: 3221404
Conc: 21.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 3174007
Conc: 21.54 ug/ml



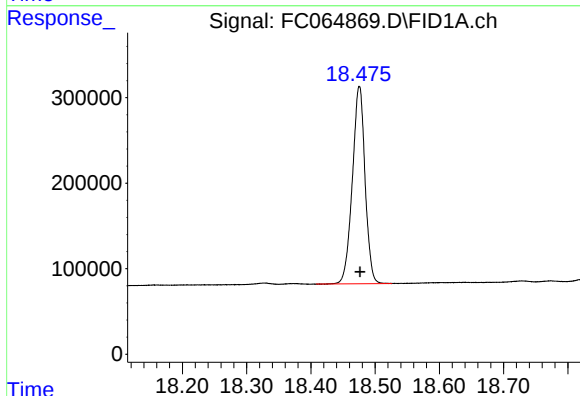
#17 n-Tricontane (C30)

R.T.: 17.646 min
Delta R.T.: 0.000 min
Response: 3206989
Conc: 21.92 ug/ml

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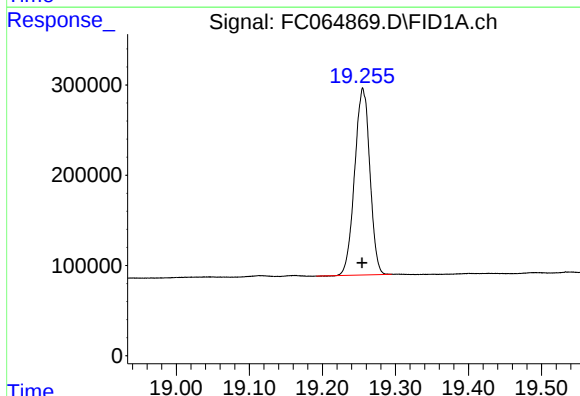
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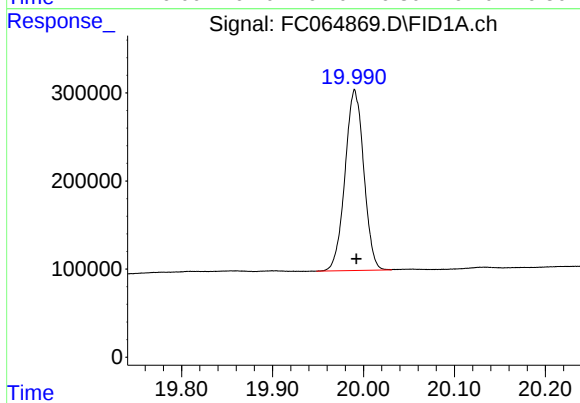
#18 n-Dotriacontane (C32)

R.T.: 18.476 min
Delta R.T.: -0.001 min
Response: 3174453
Conc: 21.98 ug/ml



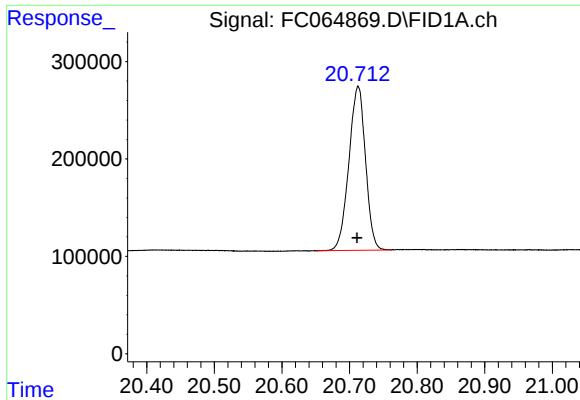
#19 n-Tetratriacontane (C34)

R.T.: 19.255 min
Delta R.T.: 0.000 min
Response: 2993316
Conc: 21.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.990 min
Delta R.T.: -0.002 min
Response: 2936258
Conc: 21.22 ug/ml m



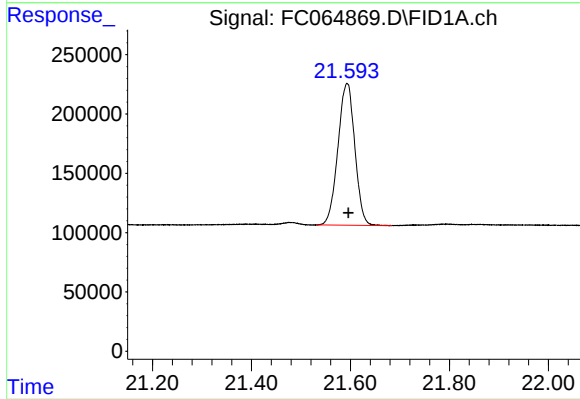
#21 n-Octatriacontane (C38)

R.T.: 20.713 min
Delta R.T.: 0.002 min
Response: 2870164
Conc: 21.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.593 min
Delta R.T.: -0.002 min
Response: 2829669
Conc: 22.61 ug/ml