

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101923AL\
 Data File : FC064880.D
 Signal(s) : FID1A.ch
 Acq On : 19 Oct 2023 21:51
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 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 01:08:41 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)	11.525	3865705	18.105 ug/ml
Spiked Amount 50.000		Recovery =	36.21%
12) S 1-chlorooctadecane (S...	12.958	2800009	18.674 ug/ml
Spiked Amount 50.000		Recovery =	37.35%
Target Compounds			
1) T n-Nonane (C9)	3.320	3387164	18.442 ug/ml
2) T n-Decane (C10)	4.381	3493162	19.096 ug/ml
3) T A~Naphthalene (C11.7)	5.963	3594876	18.954 ug/ml
4) T n-Dodecane (C12)	6.392	3520126	18.885 ug/ml
5) T A~2-methylnaphthalene...	7.016	3455361	19.731 ug/ml
6) T n-Tetradecane (C14)	8.181	3425822	19.075 ug/ml
7) T n-Hexadecane (C16)	9.775	3398867	19.107 ug/ml
8) T n-Octadecane (C18)	11.211	3334472	18.582 ug/ml
10) T n-Eicosane (C20)	12.515	3153526	18.314 ug/ml
11) T n-Heneicosane (C21)	13.125	3067811	18.115 ug/ml
13) T n-Docosane (C22)	13.709	3018719	18.321 ug/ml
14) T n-Tetracosane (C24)	14.807	2924532	18.374 ug/ml
15) T n-Hexacosane (C26)	15.824	2847265	18.587 ug/ml
16) T n-Octacosane (C28)	16.770	2824224	19.165 ug/ml
17) T n-Tricontane (C30)	17.655	3059600	20.911 ug/mlm
18) T n-Dotriacontane (C32)	18.483	3094490	21.431 ug/ml
19) T n-Tetratriacontane (C34)	19.265	2955935	21.008 ug/ml
20) T n-Hexatriacontane (C36)	20.000	2884884	20.852 ug/mlm
21) T n-Octatriacontane (C38)	20.724	3097380	23.383 ug/ml
22) T n-Tetracontane (C40)	21.611	2905173	23.214 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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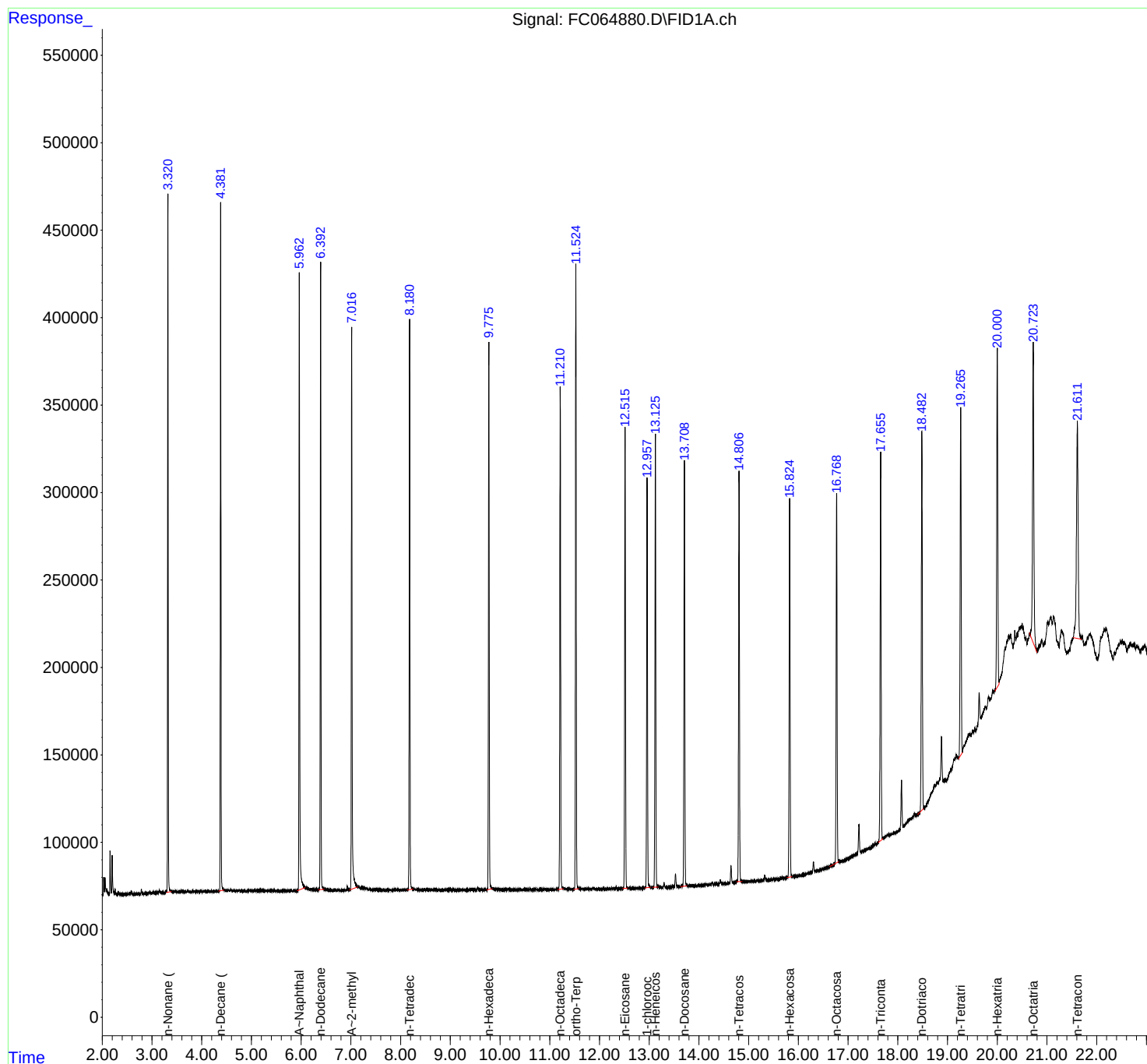
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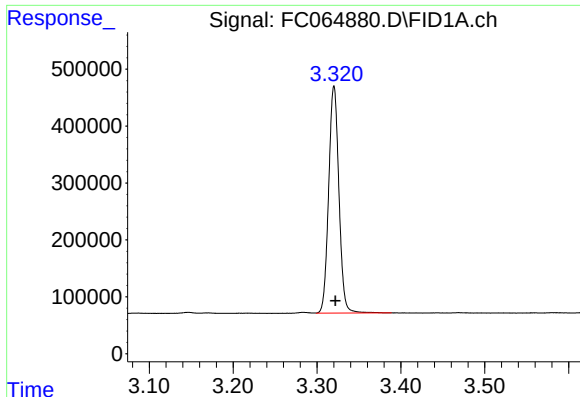
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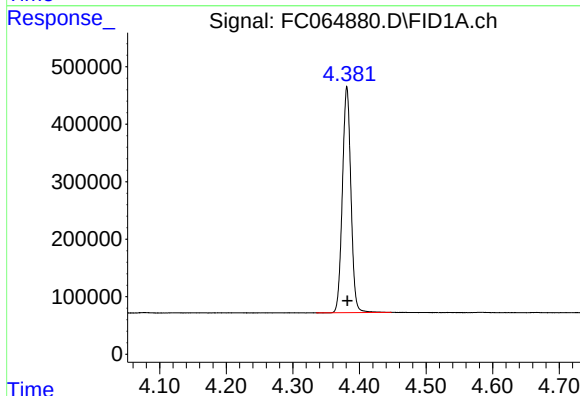
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.002 min
Response: 3387164
Conc: 18.44 ug/ml

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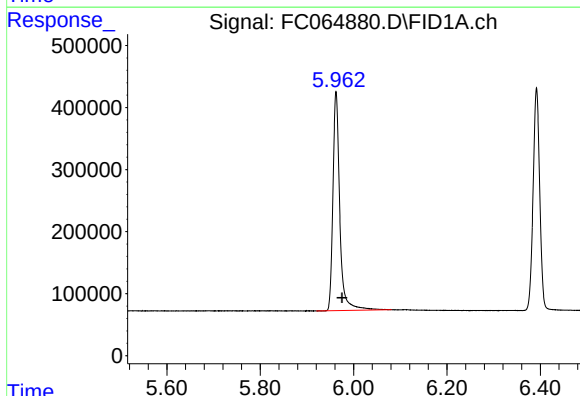
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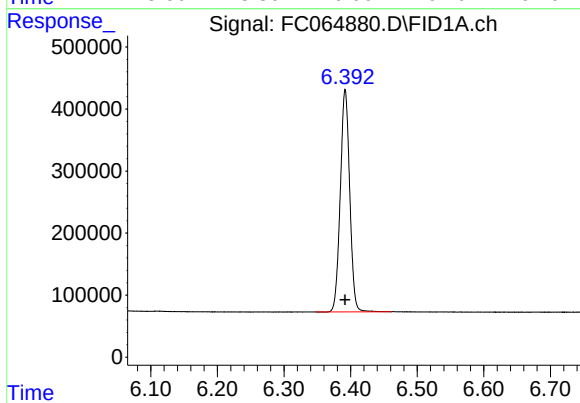
#2 n-Decane (C10)

R.T.: 4.381 min
Delta R.T.: 0.000 min
Response: 3493162
Conc: 19.10 ug/ml



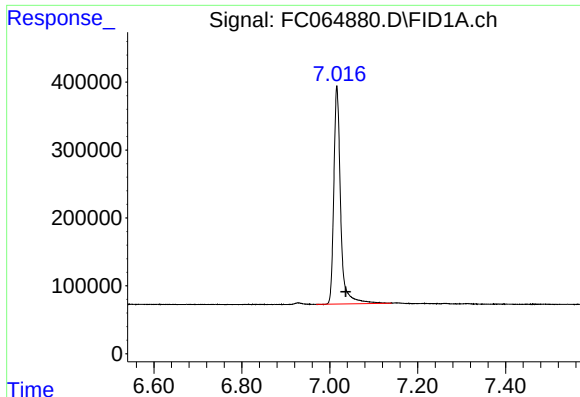
#3 A~Naphthalene (C11.7)

R.T.: 5.963 min
Delta R.T.: -0.013 min
Response: 3594876
Conc: 18.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 3520126
Conc: 18.89 ug/ml



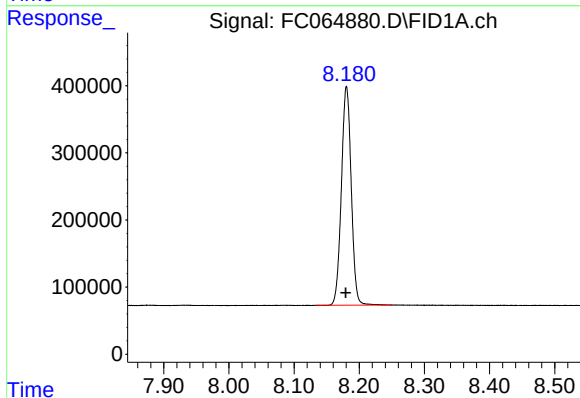
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.016 min
Delta R.T.: -0.020 min
Response: 3455361
Conc: 19.73 ug/ml

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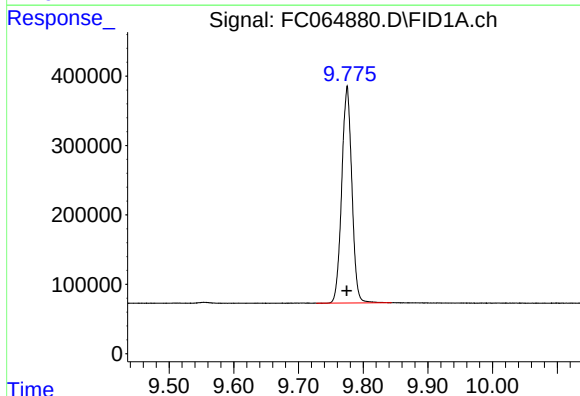
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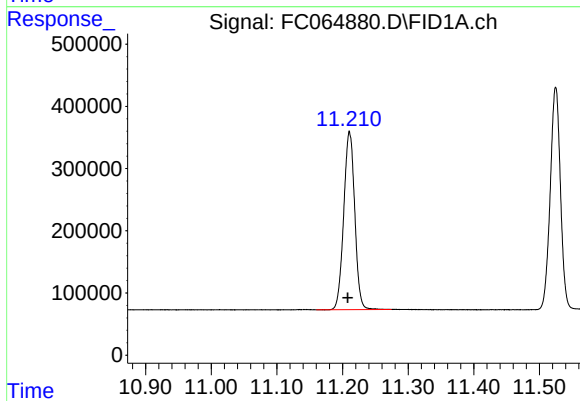
#6 n-Tetradecane (C14)

R.T.: 8.181 min
Delta R.T.: 0.001 min
Response: 3425822
Conc: 19.07 ug/ml



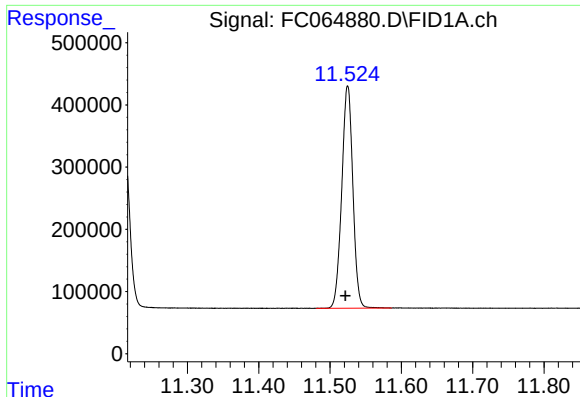
#7 n-Hexadecane (C16)

R.T.: 9.775 min
Delta R.T.: 0.000 min
Response: 3398867
Conc: 19.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.211 min
Delta R.T.: 0.003 min
Response: 3334472
Conc: 18.58 ug/ml



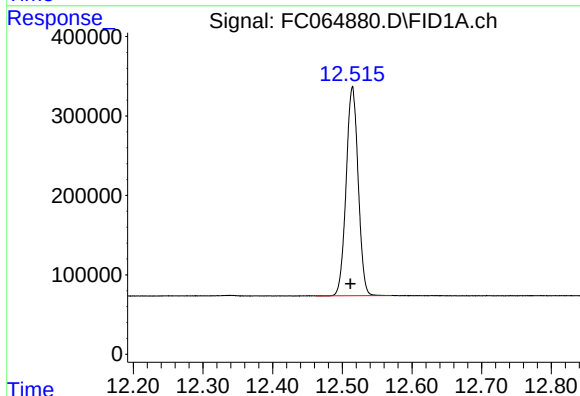
#9 ortho-Terphenyl (SURR)

R.T.: 11.525 min
Delta R.T.: 0.004 min
Response: 3865705
Conc: 18.10 ug/ml

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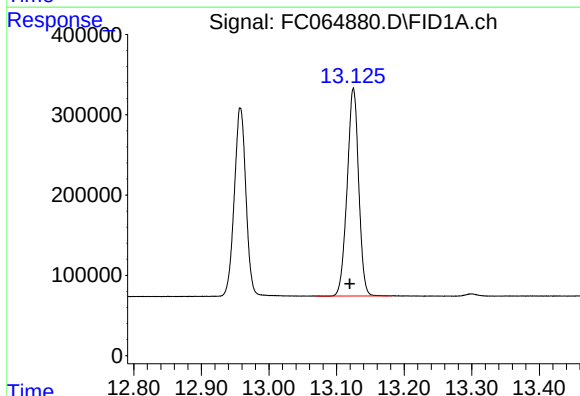
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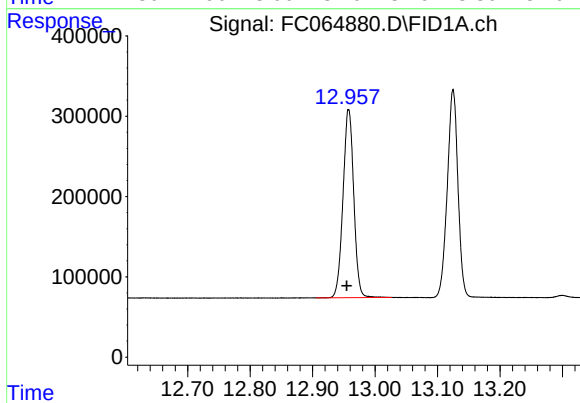
#10 n-Eicosane (C20)

R.T.: 12.515 min
Delta R.T.: 0.003 min
Response: 3153526
Conc: 18.31 ug/ml



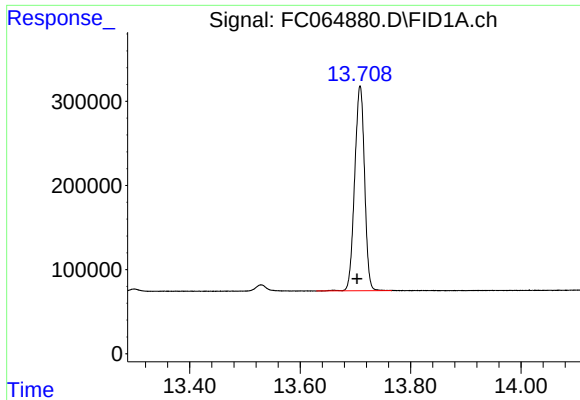
#11 n-Heneicosane (C21)

R.T.: 13.125 min
Delta R.T.: 0.005 min
Response: 3067811
Conc: 18.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.958 min
Delta R.T.: 0.003 min
Response: 2800009
Conc: 18.67 ug/ml



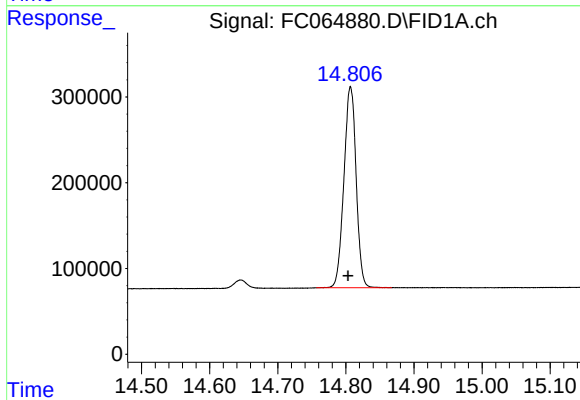
#13 n-Docosane (C22)

R.T.: 13.709 min
Delta R.T.: 0.006 min
Response: 3018719
Conc: 18.32 ug/ml

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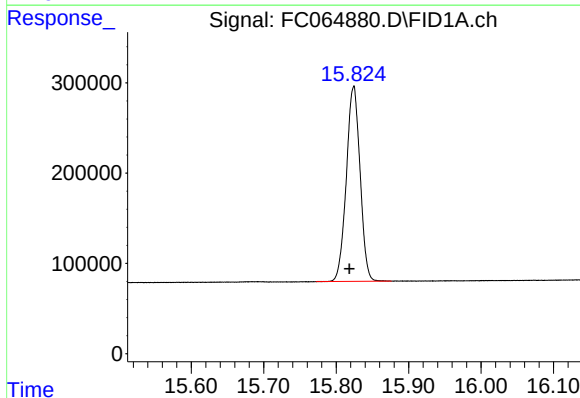
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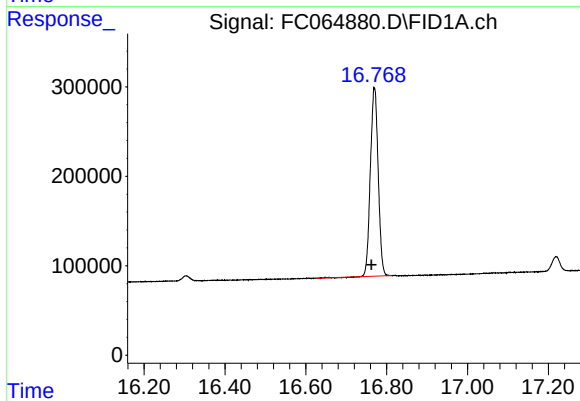
#14 n-Tetracosane (C24)

R.T.: 14.807 min
Delta R.T.: 0.004 min
Response: 2924532
Conc: 18.37 ug/ml



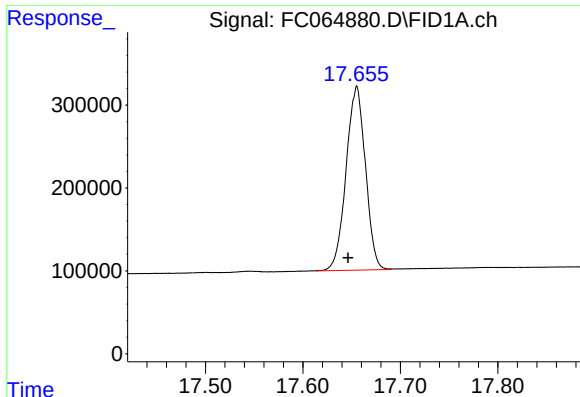
#15 n-Hexacosane (C26)

R.T.: 15.824 min
Delta R.T.: 0.006 min
Response: 2847265
Conc: 18.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.770 min
Delta R.T.: 0.008 min
Response: 2824224
Conc: 19.16 ug/ml



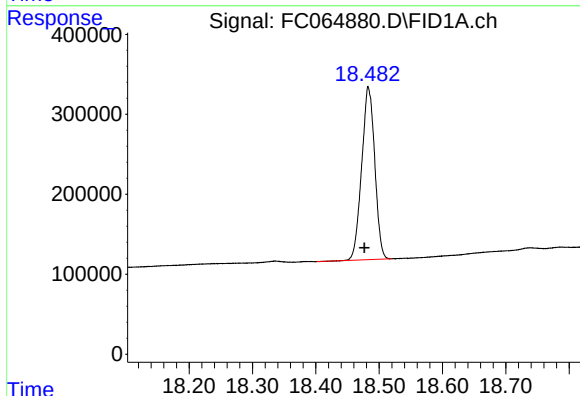
#17 n-Tricontane (C30)

R.T.: 17.655 min
Delta R.T.: 0.009 min
Response: 3059600
Conc: 20.91 ug/ml

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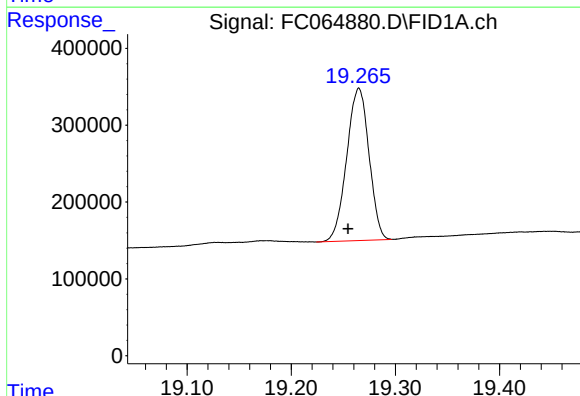
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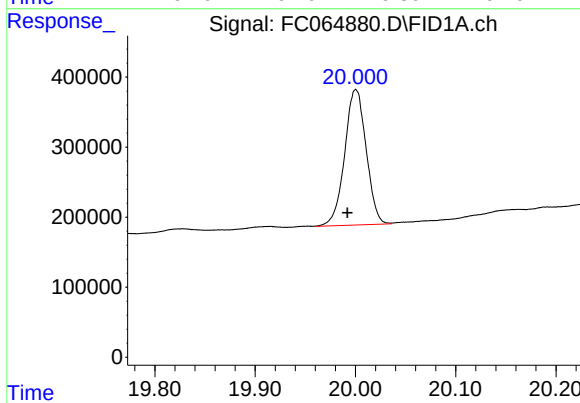
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.006 min
Response: 3094490
Conc: 21.43 ug/ml



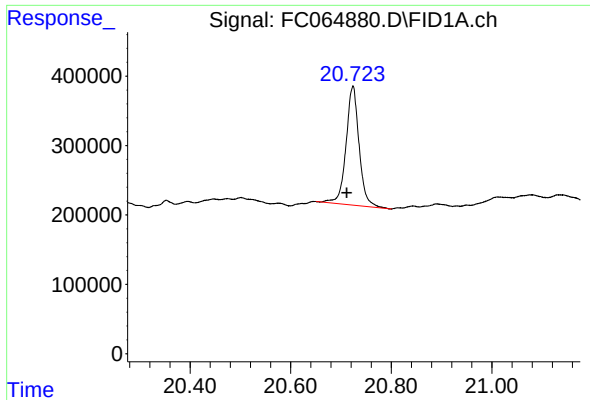
#19 n-Tetratriacontane (C34)

R.T.: 19.265 min
Delta R.T.: 0.010 min
Response: 2955935
Conc: 21.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min
Delta R.T.: 0.008 min
Response: 2884884
Conc: 20.85 ug/ml m



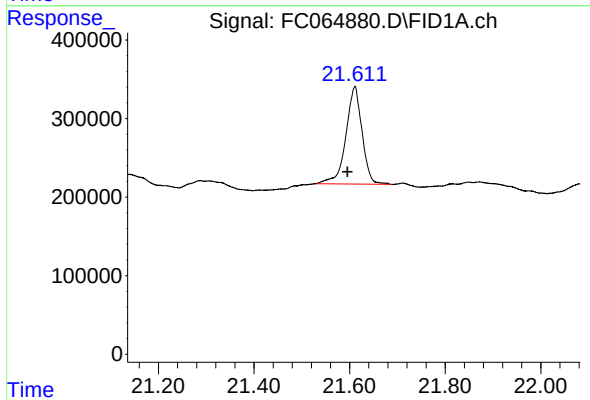
#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.013 min
Response: 3097380
Conc: 23.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.015 min
Response: 2905173
Conc: 23.21 ug/ml m