

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070324AL\
 Data File : FC066731.D
 Signal(s) : FID1A.ch
 Acq On : 03 Jul 2024 07:12
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :Ankita Jodhani 07/08/2024

Integration File: autoint1.e
 Quant Time: Jul 04 04:03:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061724.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 17 13:44:39 2024
 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)	11.523	3486187	20.211 ug/ml
Spiked Amount 50.000		Recovery =	40.42%
12) S 1-chlorooctadecane (S...	12.962	2653786	19.233 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
Target Compounds			
1) T n-Nonane (C9)	3.288	3090100	21.268 ug/ml
2) T n-Decane (C10)	4.355	3298798	22.116 ug/ml
3) T A~Naphthalene (C11.7)	5.936	3569400	21.984 ug/ml
4) T n-Dodecane (C12)	6.373	3337104	22.019 ug/ml
5) T A~2-methylnaphthalene...	6.993	3457798	21.765 ug/ml
6) T n-Tetradecane (C14)	8.168	3307080	21.802 ug/ml
7) T n-Hexadecane (C16)	9.768	3430396	21.415 ug/ml
8) T n-Octadecane (C18)	11.210	3439969	20.732 ug/ml
10) T n-Eicosane (C20)	12.518	3259487	20.050 ug/ml
11) T n-Heneicosane (C21)	13.131	3168004	19.662 ug/ml
13) T n-Docosane (C22)	13.716	3129014	19.517 ug/ml
14) T n-Tetracosane (C24)	14.819	3073908	19.368 ug/ml
15) T n-Hexacosane (C26)	15.838	2979996	19.516 ug/ml
16) T n-Octacosane (C28)	16.788	2975822	20.630 ug/ml
17) T n-Tricontane (C30)	17.674	3142848	22.495 ug/ml
18) T n-Dotriacontane (C32)	18.506	3142286	23.810 ug/ml
19) T n-Tetratriacontane (C34)	19.289	2958805	23.924 ug/ml
20) T n-Hexatriacontane (C36)	20.029	2741443	22.747 ug/mlm
21) T n-Octatriacontane (C38)	20.756	2603375	22.767 ug/ml
22) T n-Tetracontane (C40)	21.651	2478218	22.066 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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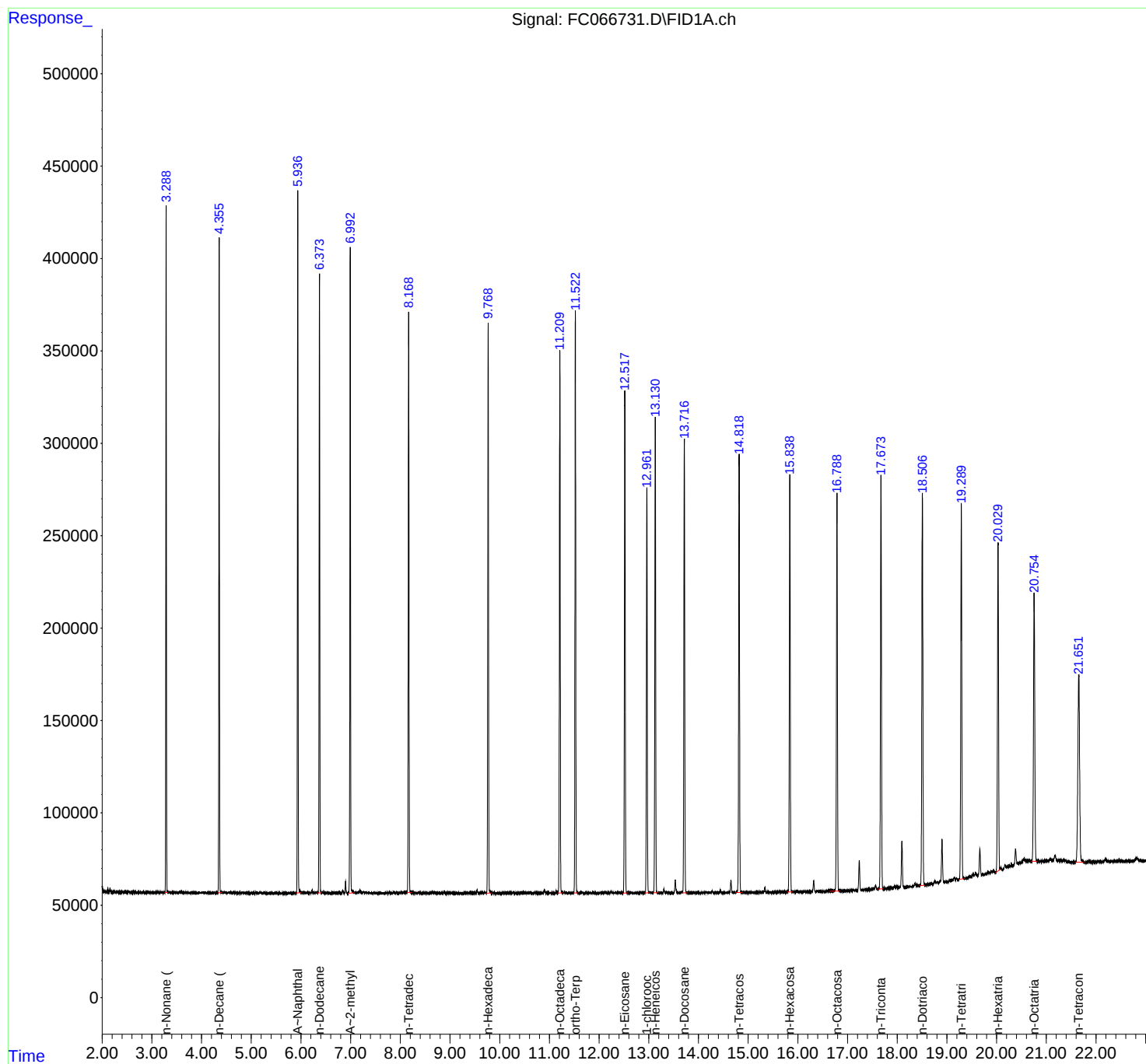
Instrument :
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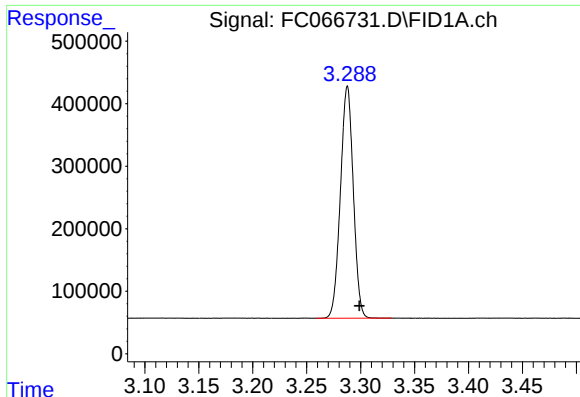
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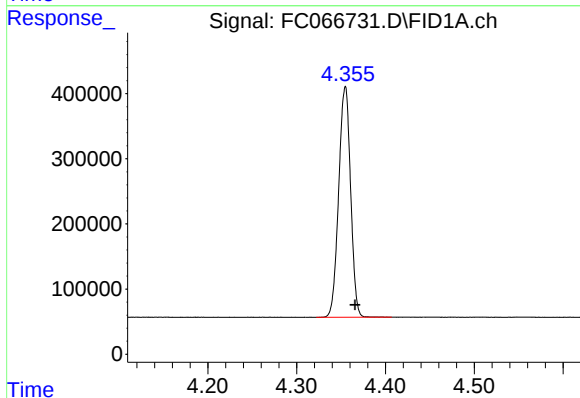
#1 n-Nonane (C9)

R.T.: 3.288 min
Delta R.T.: -0.011 min
Response: 3090100
Conc: 21.27 ug/ml

Instrument :
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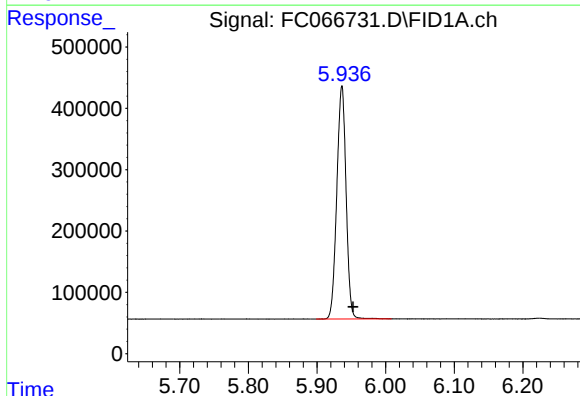
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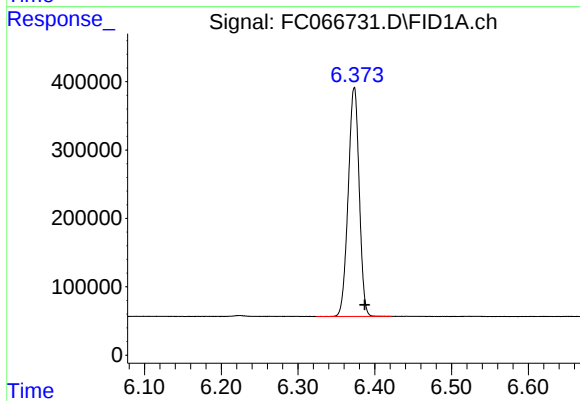
#2 n-Decane (C10)

R.T.: 4.355 min
Delta R.T.: -0.011 min
Response: 3298798
Conc: 22.12 ug/ml



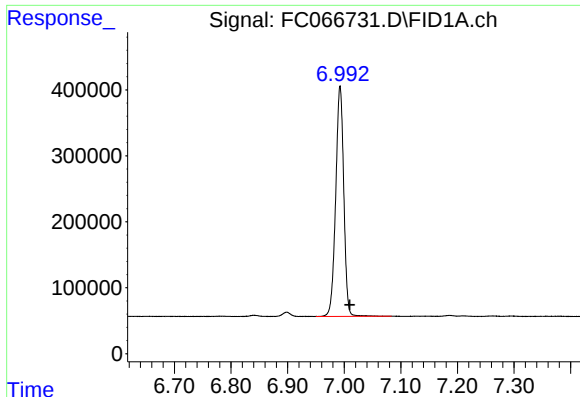
#3 A~Naphthalene (C11.7)

R.T.: 5.936 min
Delta R.T.: -0.016 min
Response: 3569400
Conc: 21.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.373 min
Delta R.T.: -0.014 min
Response: 3337104
Conc: 22.02 ug/ml



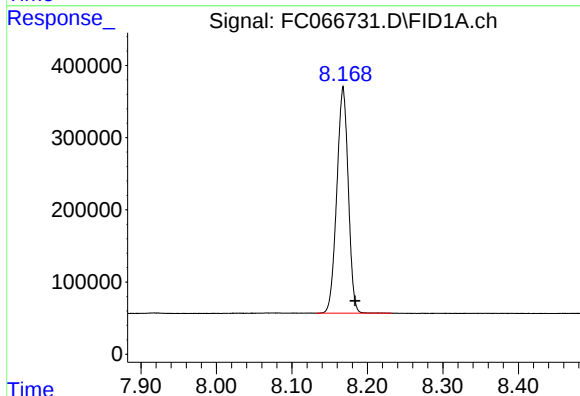
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.993 min
Delta R.T.: -0.017 min
Response: 3457798
Conc: 21.77 ug/ml

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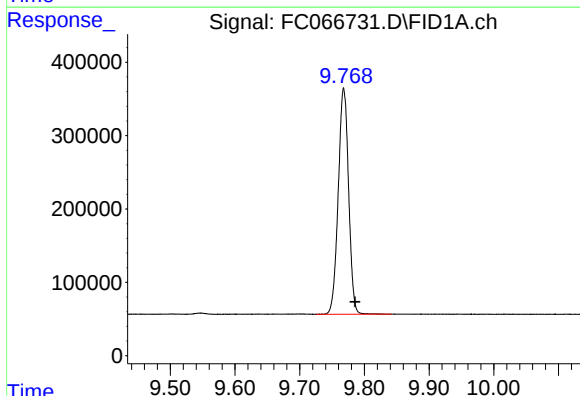
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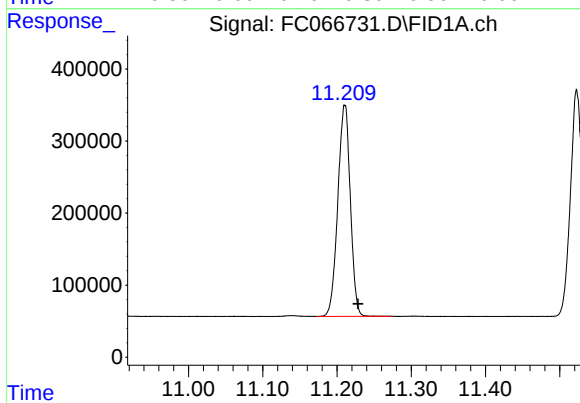
#6 n-Tetradecane (C14)

R.T.: 8.168 min
Delta R.T.: -0.016 min
Response: 3307080
Conc: 21.80 ug/ml



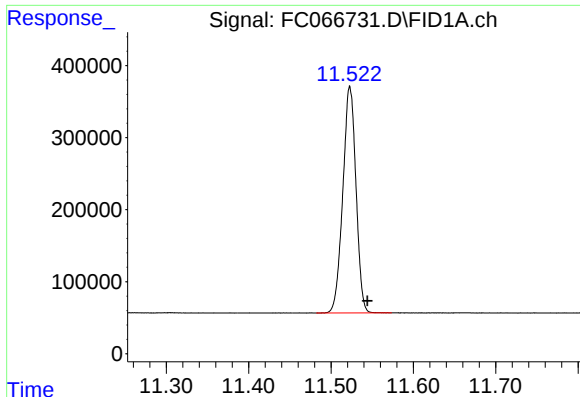
#7 n-Hexadecane (C16)

R.T.: 9.768 min
Delta R.T.: -0.017 min
Response: 3430396
Conc: 21.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.210 min
Delta R.T.: -0.018 min
Response: 3439969
Conc: 20.73 ug/ml



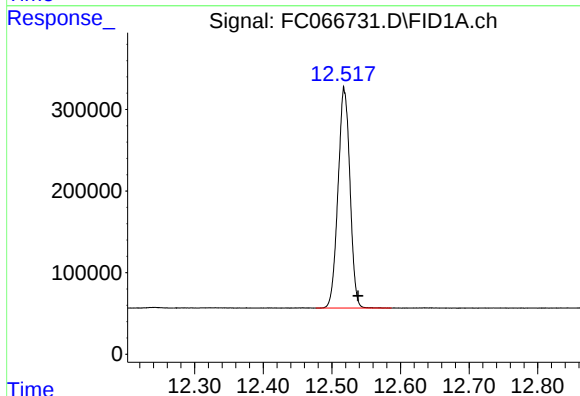
#9 ortho-Terphenyl (SURR)

R.T.: 11.523 min
Delta R.T.: -0.021 min
Response: 3486187
Conc: 20.21 ug/ml

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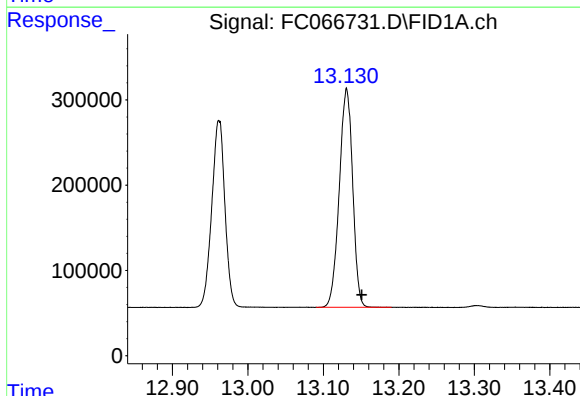
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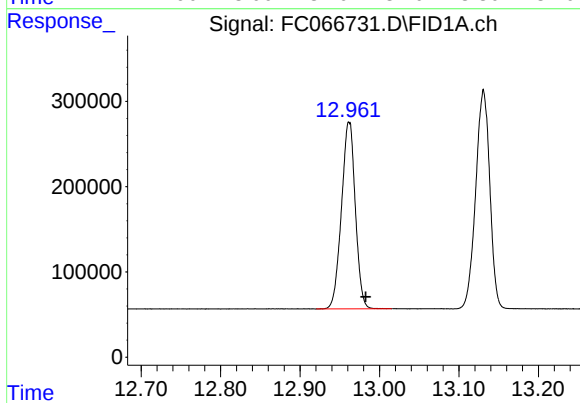
#10 n-Eicosane (C20)

R.T.: 12.518 min
Delta R.T.: -0.020 min
Response: 3259487
Conc: 20.05 ug/ml



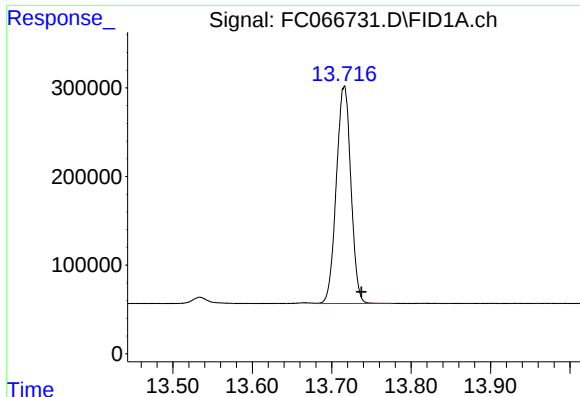
#11 n-Heneicosane (C21)

R.T.: 13.131 min
Delta R.T.: -0.020 min
Response: 3168004
Conc: 19.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.962 min
Delta R.T.: -0.021 min
Response: 2653786
Conc: 19.23 ug/ml



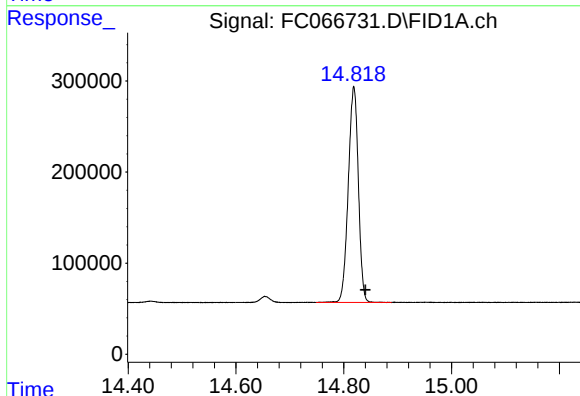
#13 n-Docosane (C22)

R.T.: 13.716 min
Delta R.T.: -0.022 min
Response: 3129014
Conc: 19.52 ug/ml

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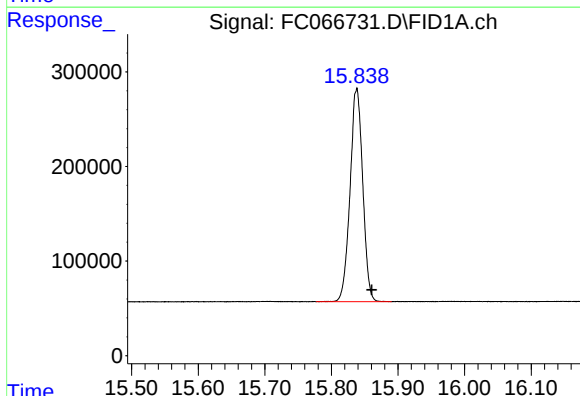
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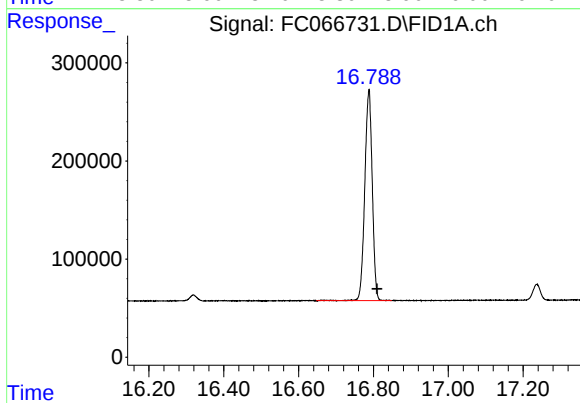
#14 n-Tetracosane (C24)

R.T.: 14.819 min
Delta R.T.: -0.022 min
Response: 3073908
Conc: 19.37 ug/ml



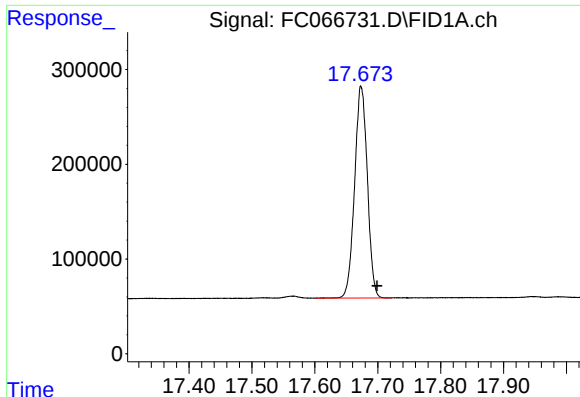
#15 n-Hexacosane (C26)

R.T.: 15.838 min
Delta R.T.: -0.023 min
Response: 2979996
Conc: 19.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.788 min
Delta R.T.: -0.023 min
Response: 2975822
Conc: 20.63 ug/ml



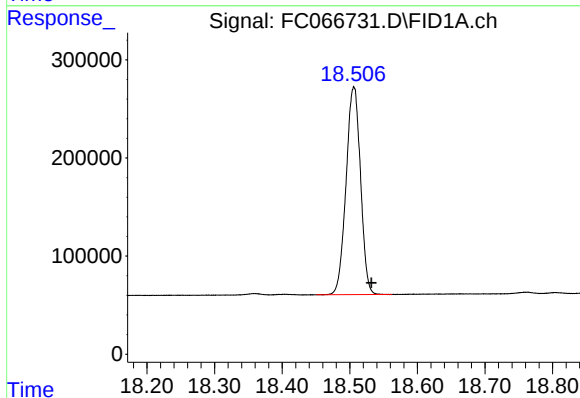
#17 n-Tricontane (C30)

R.T.: 17.674 min
Delta R.T.: -0.025 min
Response: 3142848
Conc: 22.49 ug/ml

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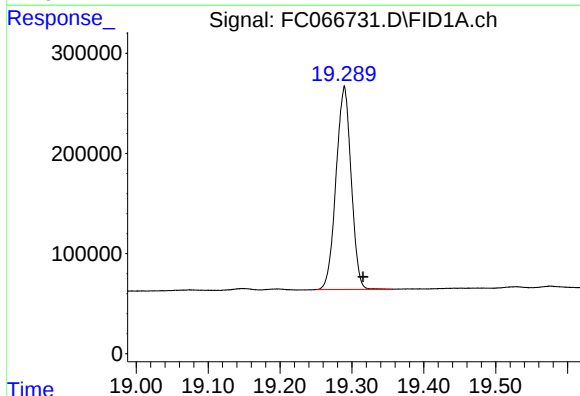
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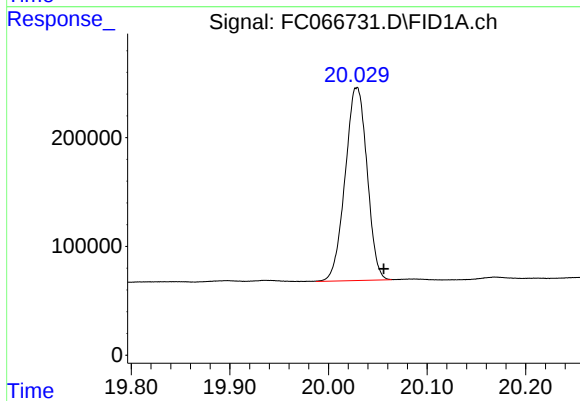
#18 n-Dotriacontane (C32)

R.T.: 18.506 min
Delta R.T.: -0.026 min
Response: 3142286
Conc: 23.81 ug/ml



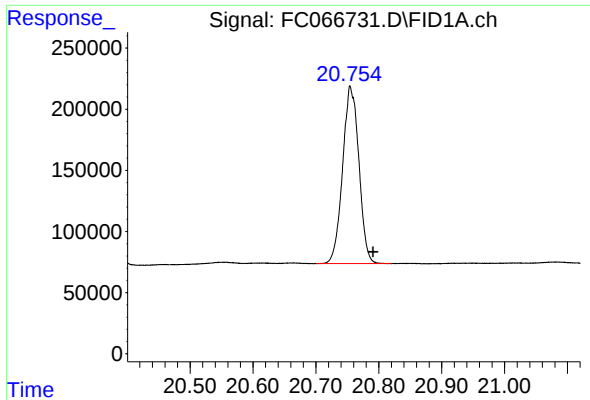
#19 n-Tetratriacontane (C34)

R.T.: 19.289 min
Delta R.T.: -0.026 min
Response: 2958805
Conc: 23.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.029 min
Delta R.T.: -0.027 min
Response: 2741443
Conc: 22.75 ug/ml m



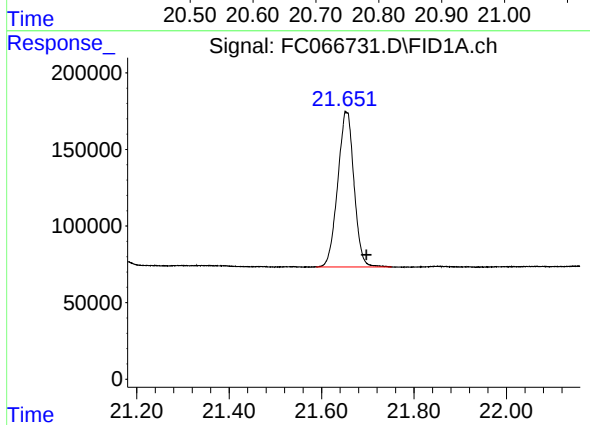
#21 n-Octatriacontane (C38)

R.T.: 20.756 min
Delta R.T.: -0.035 min
Response: 2603375
Conc: 22.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.651 min
Delta R.T.: -0.047 min
Response: 2478218
Conc: 22.07 ug/ml m