

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102422AL\
 Data File : FC061879.D
 Signal(s) : FID1A.ch
 Acq On : 24 Oct 2022 10:25
 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 10/25/2022
 Supervised By :Ankita Jodhani 10/25/2022

Integration File: autoint1.e
 Quant Time: Oct 25 04:41:32 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 101722.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 17 23:26:31 2022
 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)	11.584	3048321	20.508 ug/ml
Spiked Amount 50.000		Recovery =	41.02%
12) S 1-chlorooctadecane (S...	13.020	2390266	20.517 ug/ml
Spiked Amount 50.000		Recovery =	41.03%
Target Compounds			
1) T n-Nonane (C9)	3.348	2828083	20.106 ug/ml
2) T n-Decane (C10)	4.414	2886913	20.224 ug/ml
3) T A~Naphthalene (C11.7)	5.997	3119519	20.210 ug/ml
4) T n-Dodecane (C12)	6.428	2928187	20.171 ug/ml
5) T A~2-methylnaphthalene...	7.052	3058522	20.162 ug/ml
6) T n-Tetradecane (C14)	8.225	2942874	20.245 ug/ml
7) T n-Hexadecane (C16)	9.825	2974412	20.425 ug/ml
8) T n-Octadecane (C18)	11.267	2969560	20.545 ug/ml
10) T n-Eicosane (C20)	12.576	2908256	20.606 ug/ml
11) T n-Heneicosane (C21)	13.188	2868783	20.675 ug/ml
13) T n-Docosane (C22)	13.774	2820334	20.573 ug/ml
14) T n-Tetracosane (C24)	14.876	2695848	20.403 ug/ml
15) T n-Hexacosane (C26)	15.896	2570673	20.401 ug/ml
16) T n-Octacosane (C28)	16.846	2463155	20.423 ug/ml
17) T n-Tricontane (C30)	17.732	2516784	21.152 ug/ml
18) T n-Dotriacontane (C32)	18.564	2528392	21.459 ug/ml
19) T n-Tetratriacontane (C34)	19.346	2404283	21.282 ug/ml
20) T n-Hexatriacontane (C36)	20.085	2369920	20.897 ug/ml
21) T n-Octatriacontane (C38)	20.822	2341785	20.812 ug/mlm
22) T n-Tetracontane (C40)	21.732	2200858	19.604 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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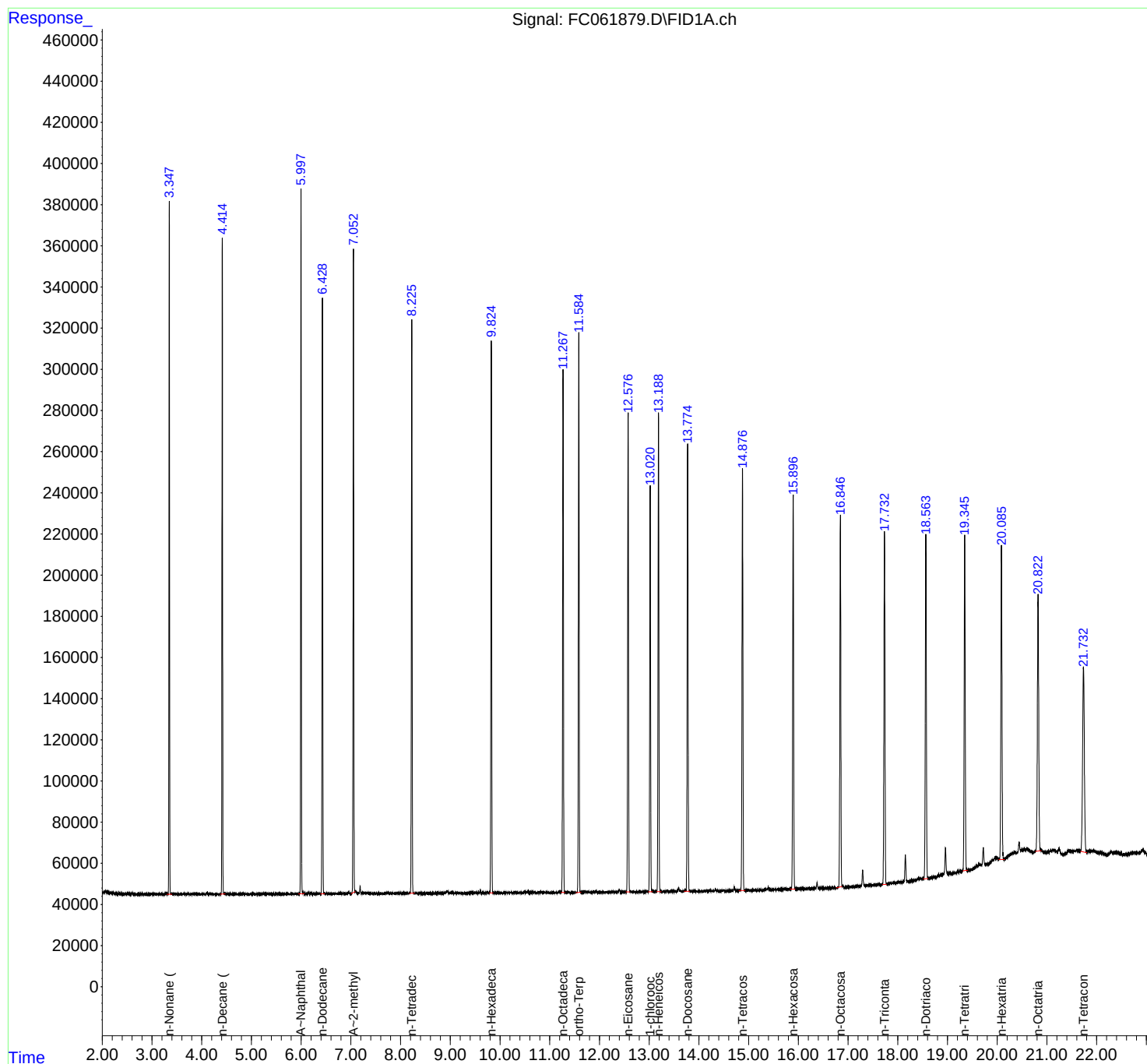
Instrument :
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20 PPM ALIPHATIC HC STD

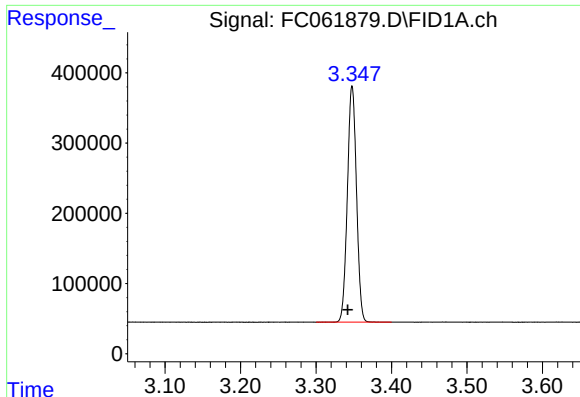
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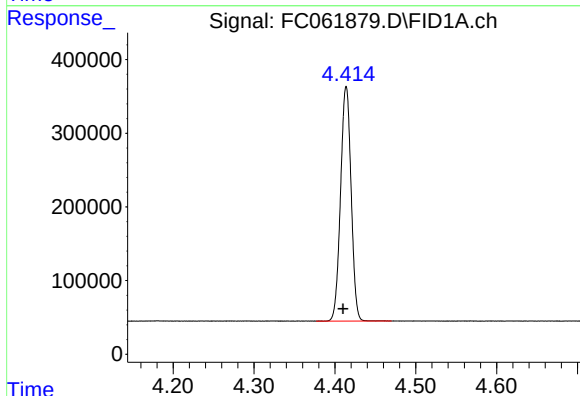
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: 0.006 min
Response: 2828083
Conc: 20.11 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

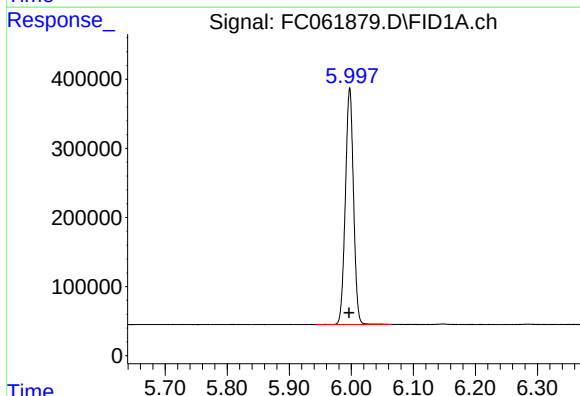
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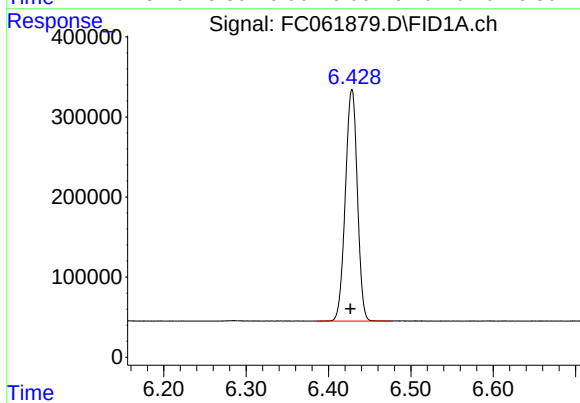
#2 n-Decane (C10)

R.T.: 4.414 min
Delta R.T.: 0.004 min
Response: 2886913
Conc: 20.22 ug/ml



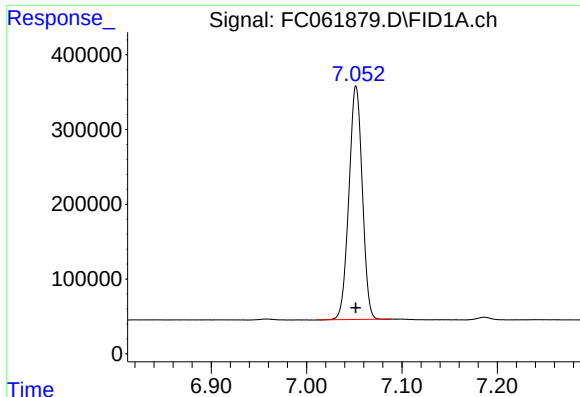
#3 A~Naphthalene (C11.7)

R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 3119519
Conc: 20.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.428 min
Delta R.T.: 0.002 min
Response: 2928187
Conc: 20.17 ug/ml



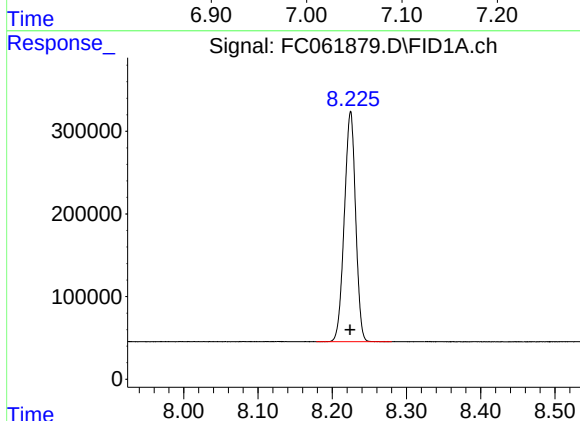
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 3058522
Conc: 20.16 ug/ml

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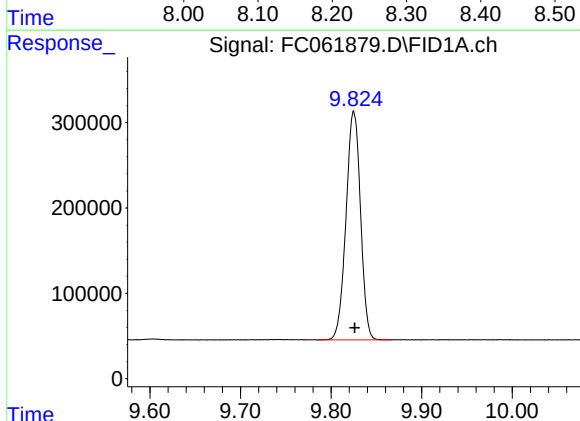
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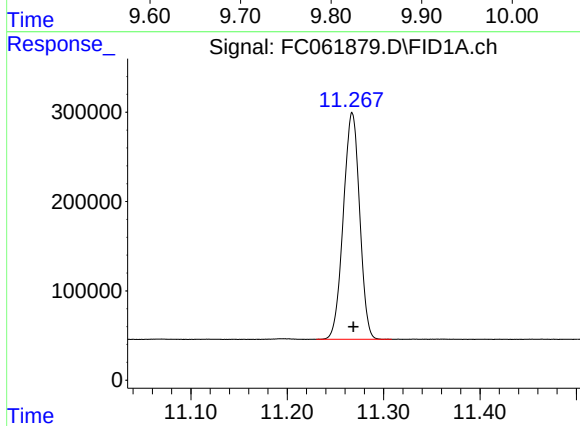
#6 n-Tetradecane (C14)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 2942874
Conc: 20.25 ug/ml



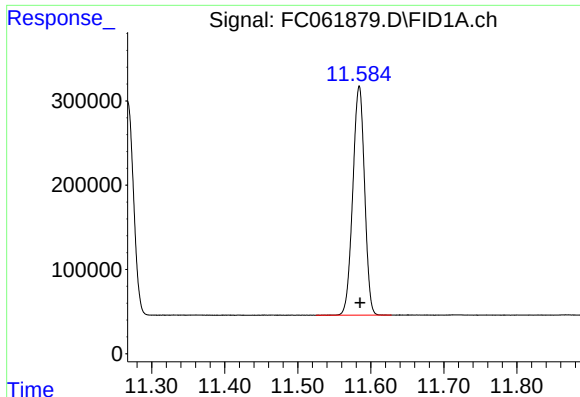
#7 n-Hexadecane (C16)

R.T.: 9.825 min
Delta R.T.: 0.000 min
Response: 2974412
Conc: 20.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.267 min
Delta R.T.: -0.001 min
Response: 2969560
Conc: 20.54 ug/ml



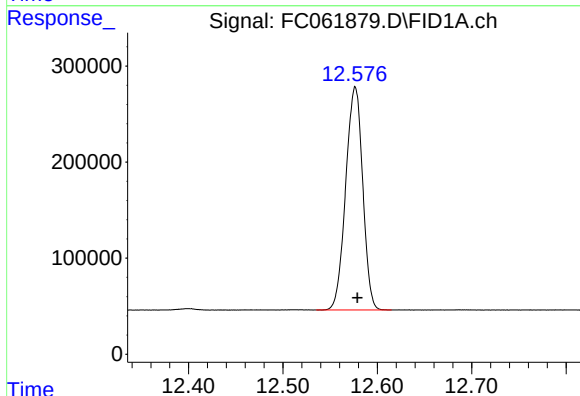
#9 ortho-Terphenyl (SURR)

R.T.: 11.584 min
Delta R.T.: -0.001 min
Response: 3048321
Conc: 20.51 ug/ml

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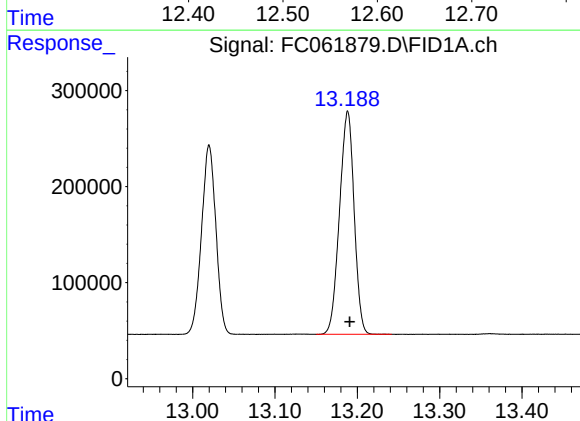
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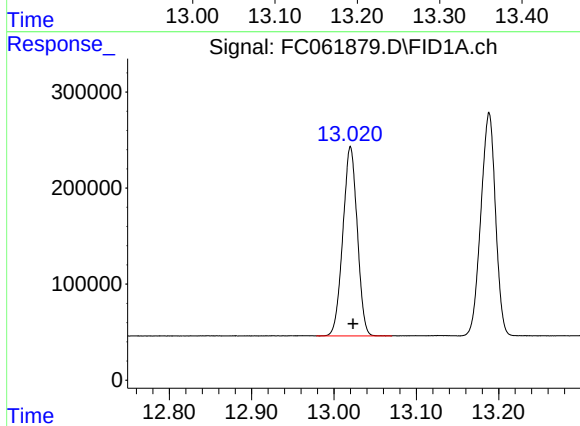
#10 n-Eicosane (C20)

R.T.: 12.576 min
Delta R.T.: -0.003 min
Response: 2908256
Conc: 20.61 ug/ml



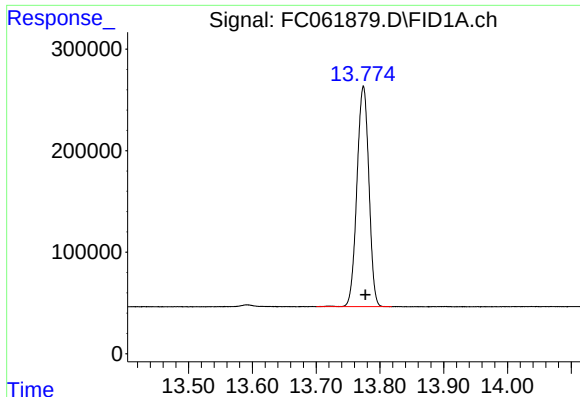
#11 n-Heneicosane (C21)

R.T.: 13.188 min
Delta R.T.: -0.003 min
Response: 2868783
Conc: 20.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.020 min
Delta R.T.: -0.003 min
Response: 2390266
Conc: 20.52 ug/ml



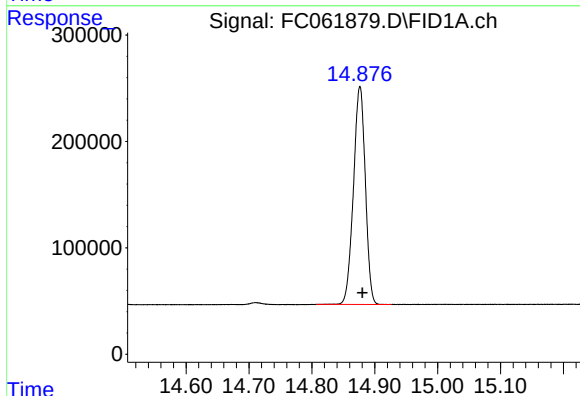
#13 n-Docosane (C22)

R.T.: 13.774 min
Delta R.T.: -0.003 min
Response: 2820334
Conc: 20.57 ug/ml

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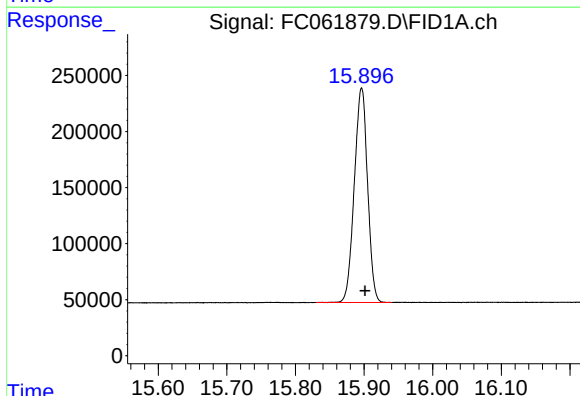
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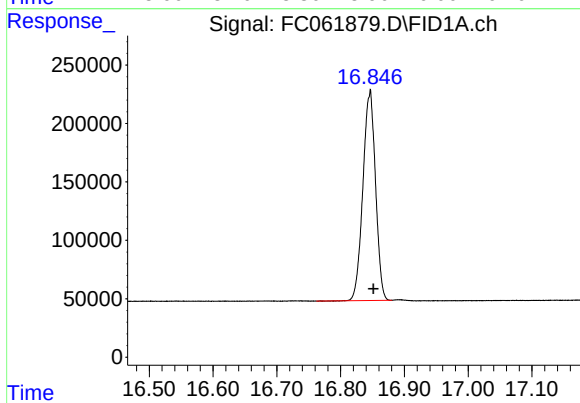
#14 n-Tetracosane (C24)

R.T.: 14.876 min
Delta R.T.: -0.004 min
Response: 2695848
Conc: 20.40 ug/ml



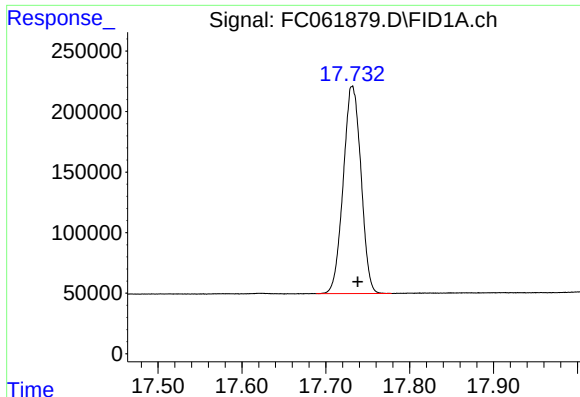
#15 n-Hexacosane (C26)

R.T.: 15.896 min
Delta R.T.: -0.005 min
Response: 2570673
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.846 min
Delta R.T.: -0.005 min
Response: 2463155
Conc: 20.42 ug/ml



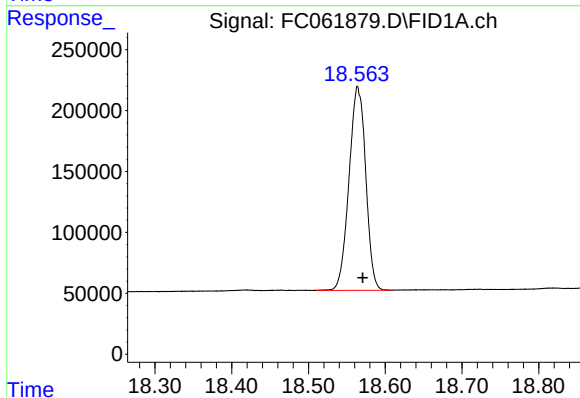
#17 n-Tricontane (C30)

R.T.: 17.732 min
Delta R.T.: -0.006 min
Response: 2516784
Conc: 21.15 ug/ml

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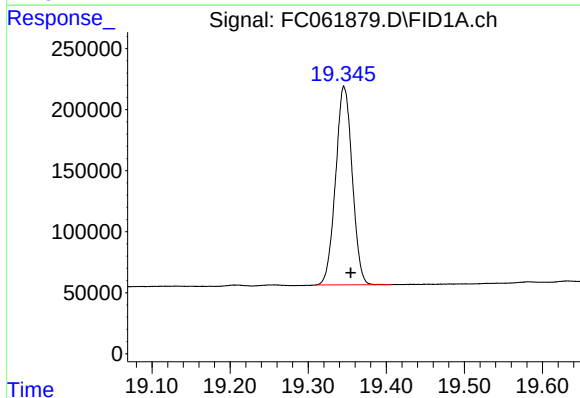
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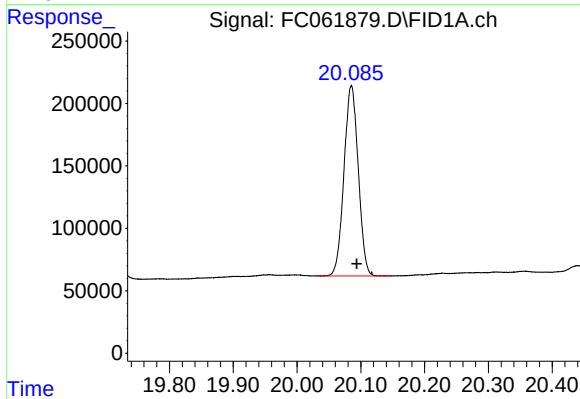
#18 n-Dotriacontane (C32)

R.T.: 18.564 min
Delta R.T.: -0.007 min
Response: 2528392
Conc: 21.46 ug/ml



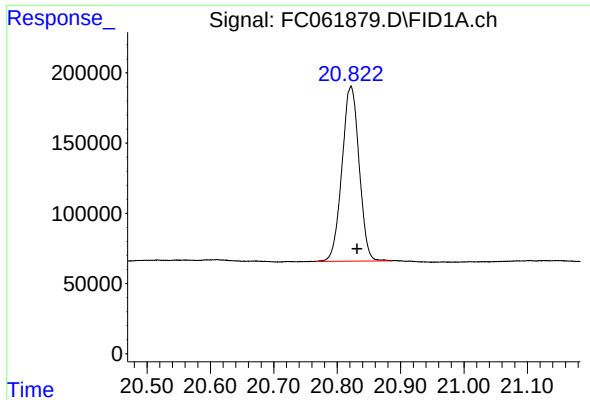
#19 n-Tetratriacontane (C34)

R.T.: 19.346 min
Delta R.T.: -0.008 min
Response: 2404283
Conc: 21.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.085 min
Delta R.T.: -0.008 min
Response: 2369920
Conc: 20.90 ug/ml



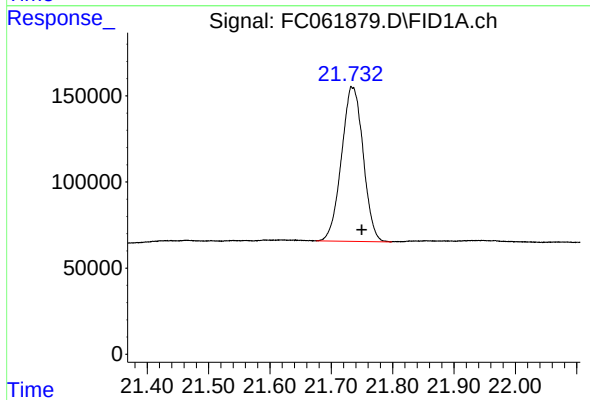
#21 n-Octatriacontane (C38)

R.T.: 20.822 min
Delta R.T.: -0.010 min
Response: 2341785
Conc: 20.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.732 min
Delta R.T.: -0.018 min
Response: 2200858
Conc: 19.60 ug/ml m