

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE063025AL\
 Data File : FE054643.D
 Signal(s) : FID1B.ch
 Acq On : 01 Jul 2025 00:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
 Quant Time: Jul 01 06:11:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 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)	12.074	3020806	18.602 ug/ml
Spiked Amount 50.000		Recovery =	37.20%
12) S 1-chlorooctadecane (S...	13.509	2304703	18.249 ug/ml
Spiked Amount 50.000		Recovery =	36.50%
Target Compounds			
1) T n-Nonane (C9)	3.420	2295869	17.069 ug/ml
2) T n-Decane (C10)	4.675	2429605	17.806 ug/ml
3) T A~Naphthalene (C11.7)	6.390	2700571	17.836 ug/ml
4) T n-Dodecane (C12)	6.849	2490219	18.149 ug/ml
5) T A~2-methylnaphthalene...	7.490	2708035	18.421 ug/ml
6) T n-Tetradecane (C14)	8.685	2507603	18.089 ug/ml
7) T n-Hexadecane (C16)	10.300	2511893	17.626 ug/ml
8) T n-Octadecane (C18)	11.748	2525697	17.234 ug/ml
10) T n-Eicosane (C20)	13.061	2508987	17.449 ug/ml
11) T n-Heneicosane (C21)	13.675	2441747	17.095 ug/ml
13) T n-Docosane (C22)	14.264	2518539	17.638 ug/ml
14) T n-Tetracosane (C24)	15.370	2635399	18.130 ug/ml
15) T n-Hexacosane (C26)	16.393	2709429	18.722 ug/ml
16) T n-Octacosane (C28)	17.344	2827663	19.402 ug/ml
17) T n-Tricontane (C30)	18.234	3070297	19.484 ug/ml
18) T n-Dotriacontane (C32)	19.068	3090583	19.103 ug/ml
19) T n-Tetratriacontane (C34)	19.852	2827461	18.554 ug/ml
20) T n-Hexatriacontane (C36)	20.593	2652483	19.728 ug/mlm
21) T n-Octatriacontane (C38)	21.369	2712059	23.124 ug/ml
22) T n-Tetracontane (C40)	22.355	2433263	22.450 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

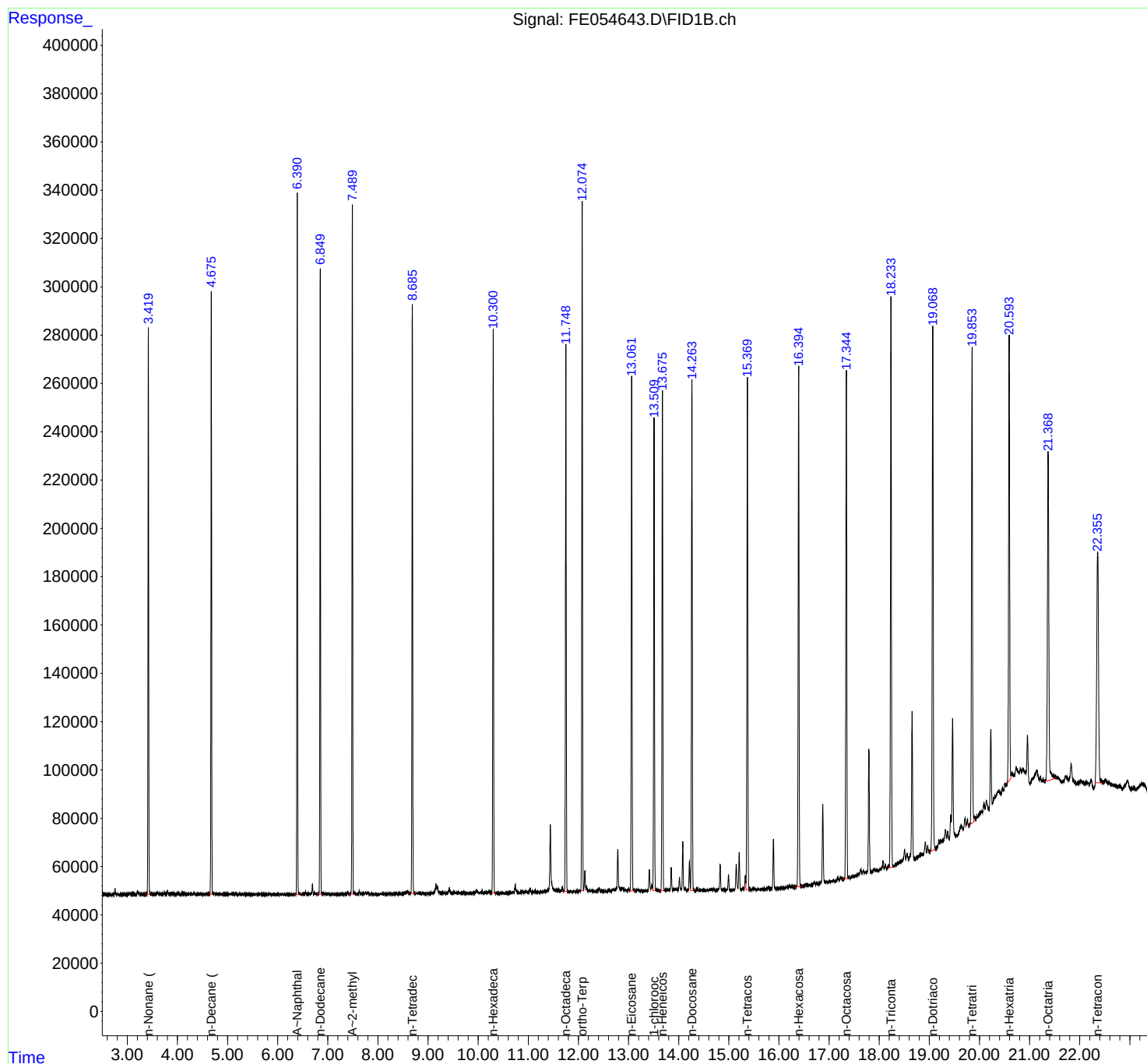
Instrument :
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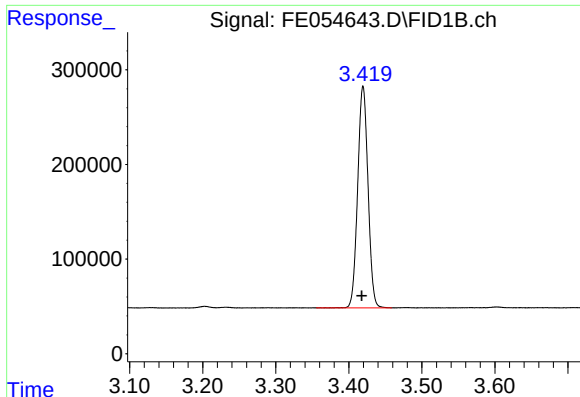
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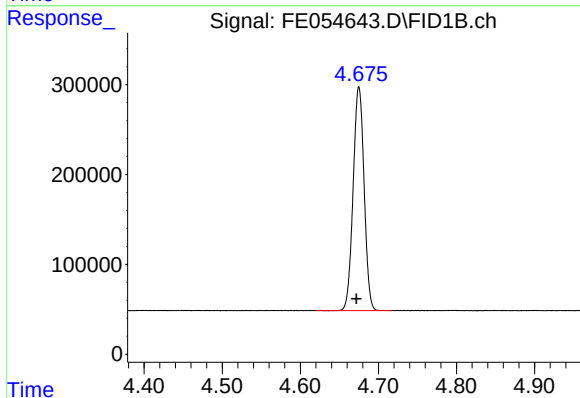
#1 n-Nonane (C9)

R.T.: 3.420 min
Delta R.T.: 0.002 min
Response: 2295869
Conc: 17.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

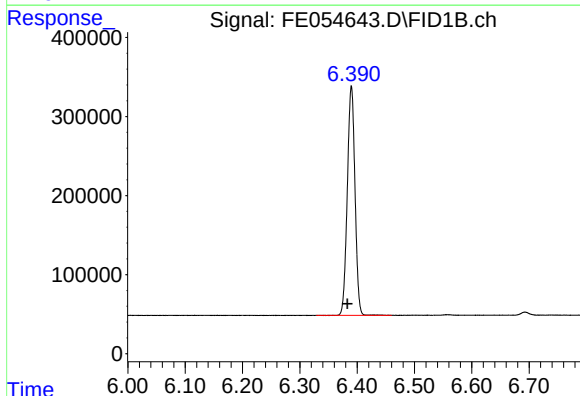
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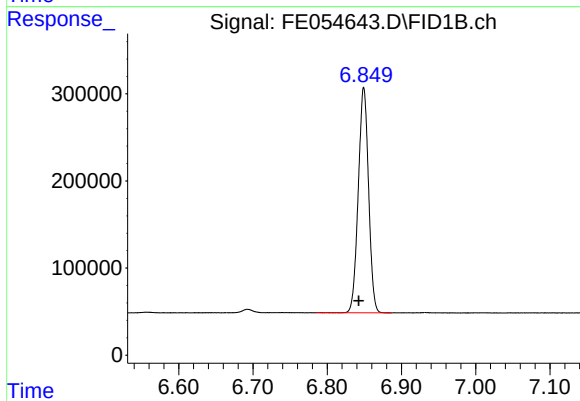
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.003 min
Response: 2429605
Conc: 17.81 ug/ml



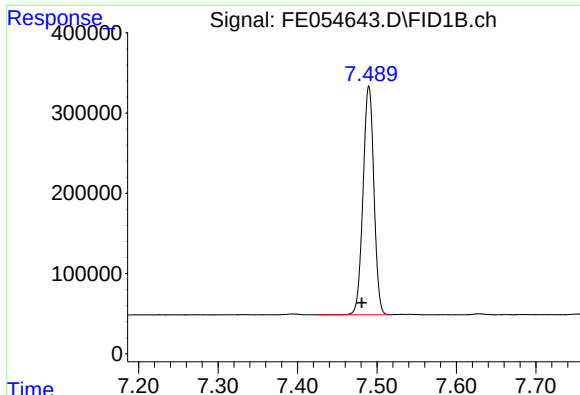
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.007 min
Response: 2700571
Conc: 17.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.849 min
Delta R.T.: 0.007 min
Response: 2490219
Conc: 18.15 ug/ml



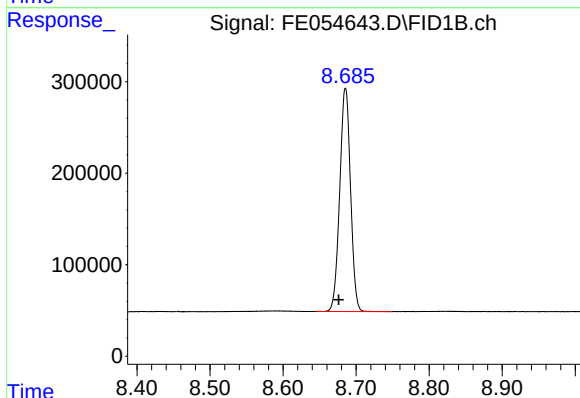
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: 0.009 min
Response: 2708035
Conc: 18.42 ug/ml

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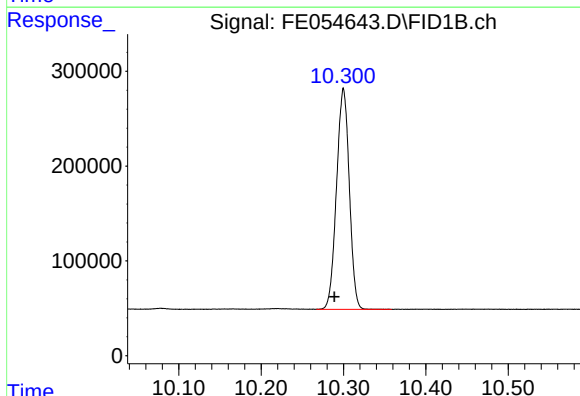
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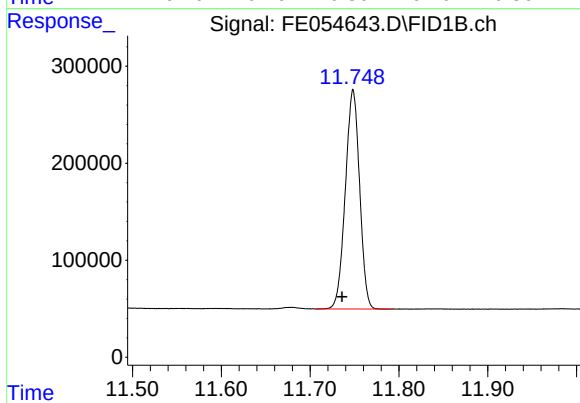
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.009 min
Response: 2507603
Conc: 18.09 ug/ml



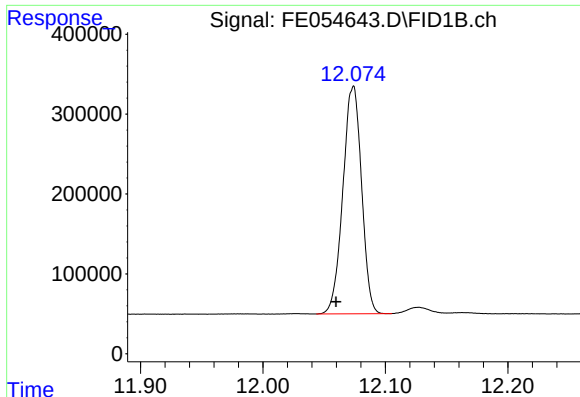
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.011 min
Response: 2511893
Conc: 17.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.748 min
Delta R.T.: 0.012 min
Response: 2525697
Conc: 17.23 ug/ml



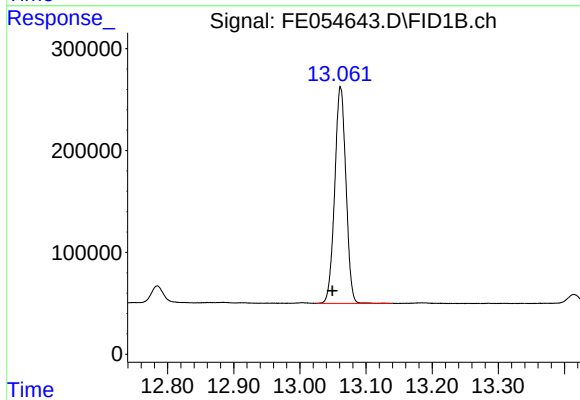
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: 0.014 min
Response: 3020806
Conc: 18.60 ug/ml

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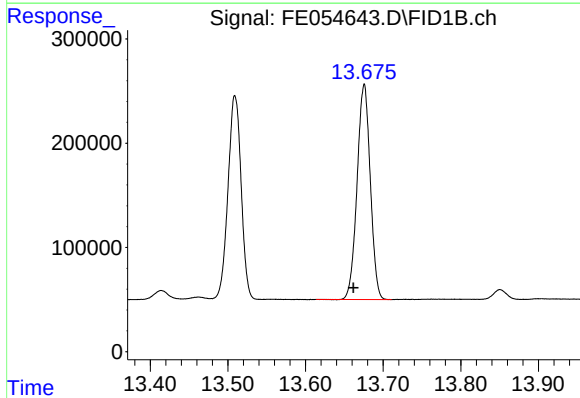
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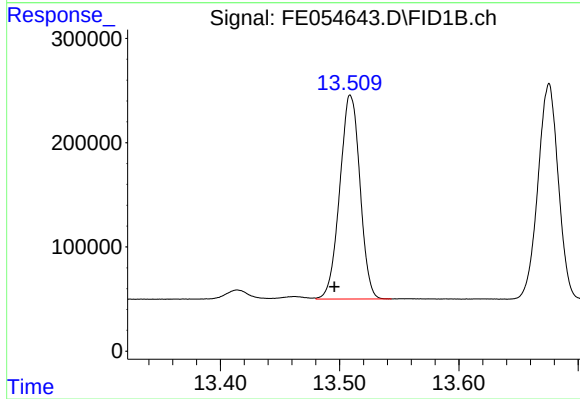
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.012 min
Response: 2508987
Conc: 17.45 ug/ml



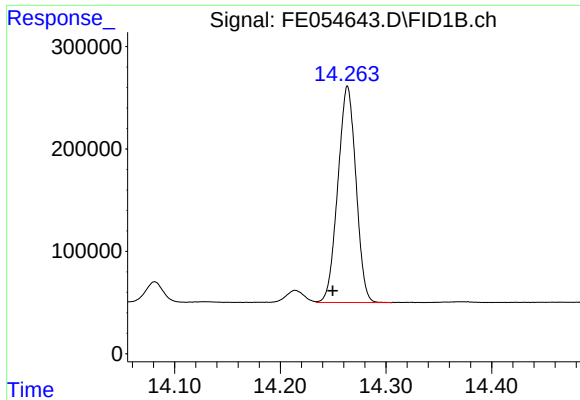
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.014 min
Response: 2441747
Conc: 17.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: 0.014 min
Response: 2304703
Conc: 18.25 ug/ml



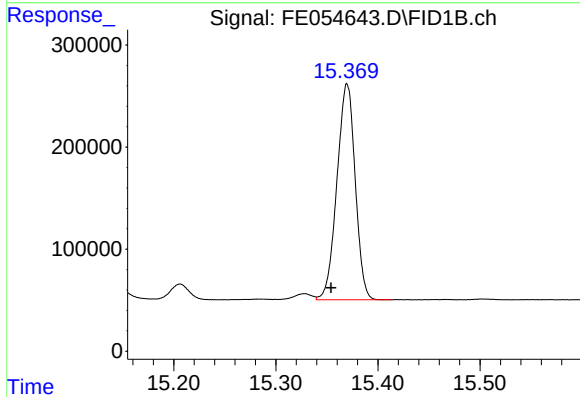
#13 n-Docosane (C22)

R.T.: 14.264 min
Delta R.T.: 0.014 min
Response: 2518539
Conc: 17.64 ug/ml

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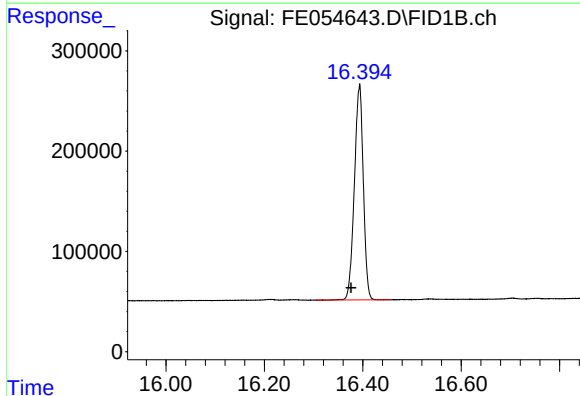
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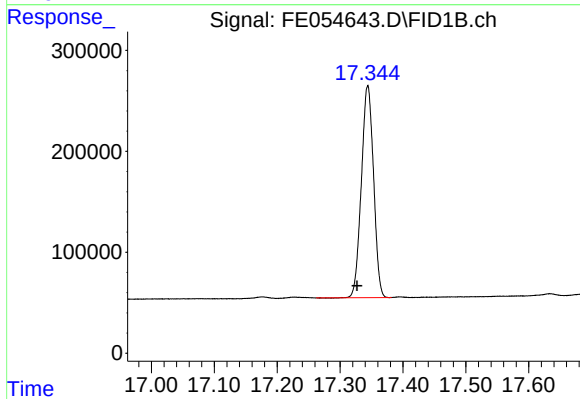
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.016 min
Response: 2635399
Conc: 18.13 ug/ml



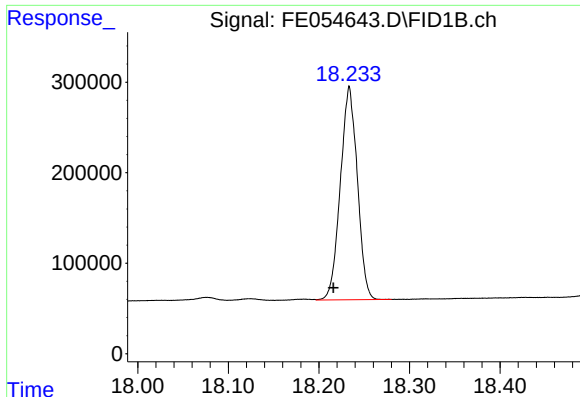
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.017 min
Response: 2709429
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.344 min
Delta R.T.: 0.017 min
Response: 2827663
Conc: 19.40 ug/ml



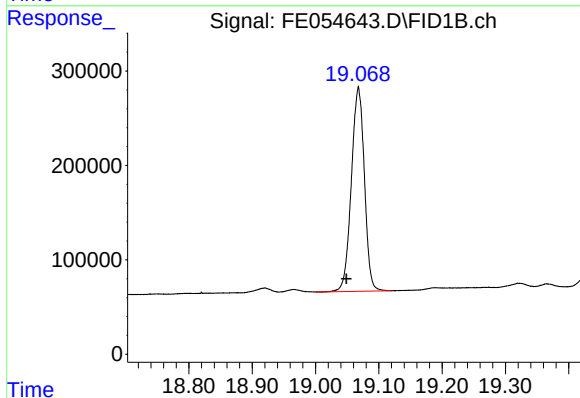
#17 n-Tricontane (C30)

R.T.: 18.234 min
Delta R.T.: 0.018 min
Response: 3070297
Conc: 19.48 ug/ml

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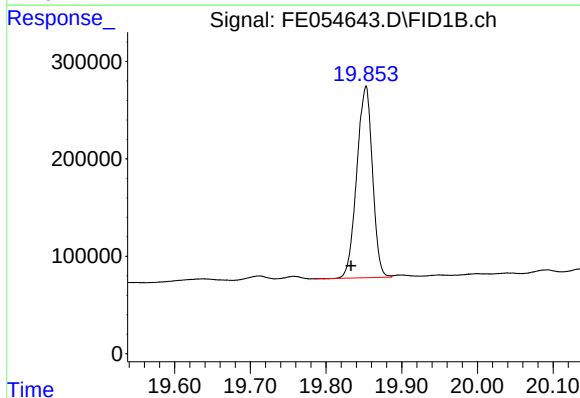
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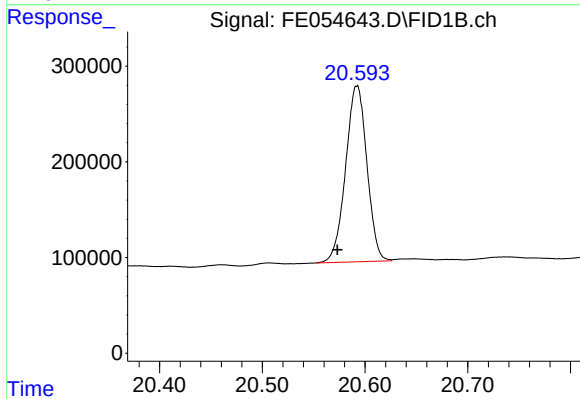
#18 n-Dotriacontane (C32)

R.T.: 19.068 min
Delta R.T.: 0.019 min
Response: 3090583
Conc: 19.10 ug/ml



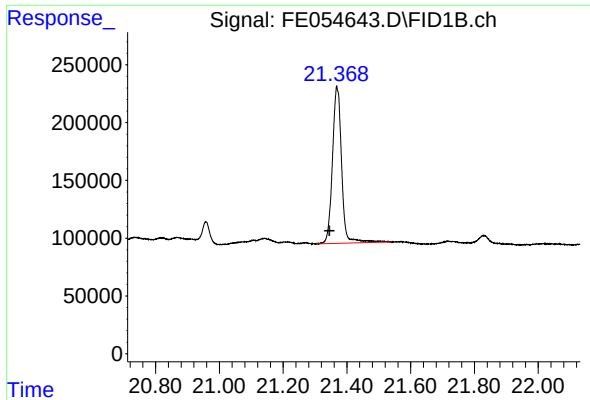
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: 0.019 min
Response: 2827461
Conc: 18.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.593 min
Delta R.T.: 0.020 min
Response: 2652483
Conc: 19.73 ug/ml m



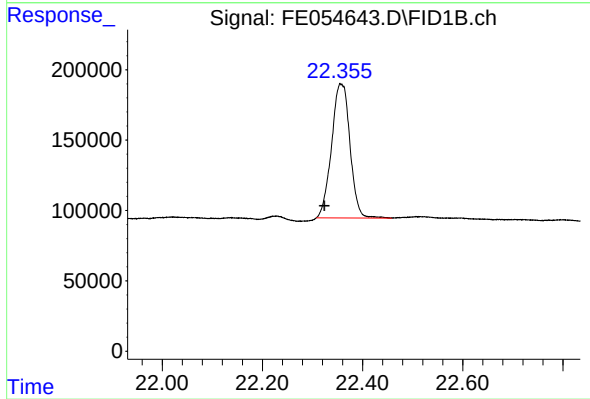
#21 n-Octatriacontane (C38)

R.T.: 21.369 min
Delta R.T.: 0.023 min
Response: 2712059
Conc: 23.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.355 min
Delta R.T.: 0.031 min
Response: 2433263
Conc: 22.45 ug/ml m