

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122623AL\
 Data File : FE045973.D
 Signal(s) : FID1B.ch
 Acq On : 26 Dec 2023 19:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e
 Quant Time: Dec 26 22:30:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.841	3946319	18.871 ug/ml
Spiked Amount 50.000		Recovery =	37.74%
12) S 1-chlorooctadecane (S...	13.285	2890932	18.373 ug/ml
Spiked Amount 50.000		Recovery =	36.75%
Target Compounds			
1) T n-Nonane (C9)	3.226	3357102	21.170 ug/ml
2) T n-Decane (C10)	4.477	3420412	21.360 ug/ml
3) T A~Naphthalene (C11.7)	6.179	3665453	21.042 ug/ml
4) T n-Dodecane (C12)	6.645	3457706	21.406 ug/ml
5) T A~2-methylnaphthalene...	7.275	3543826	20.868 ug/ml
6) T n-Tetradecane (C14)	8.472	3412554	21.272 ug/ml
7) T n-Hexadecane (C16)	10.082	3448781	20.827 ug/ml
8) T n-Octadecane (C18)	11.528	3416873	19.929 ug/ml
10) T n-Eicosane (C20)	12.839	3255464	18.815 ug/ml
11) T n-Heneicosane (C21)	13.452	3171542	18.436 ug/ml
13) T n-Docosane (C22)	14.040	3123783	18.117 ug/ml
14) T n-Tetracosane (C24)	15.146	3038578	17.405 ug/ml
15) T n-Hexacosane (C26)	16.170	2977685	17.098 ug/ml
16) T n-Octacosane (C28)	17.123	2974301	17.209 ug/ml
17) T n-Tricontane (C30)	18.013	3116928	17.816 ug/mlm
18) T n-Dotriacontane (C32)	18.852	3167816	17.364 ug/mlm
19) T n-Tetratriacontane (C34)	19.637	3110410	18.745 ug/ml
20) T n-Hexatriacontane (C36)	20.383	3109002	19.586 ug/ml
21) T n-Octatriacontane (C38)	21.113	3332981	21.254 ug/mlm
22) T n-Tetracontane (C40)	22.024	3439137	24.200 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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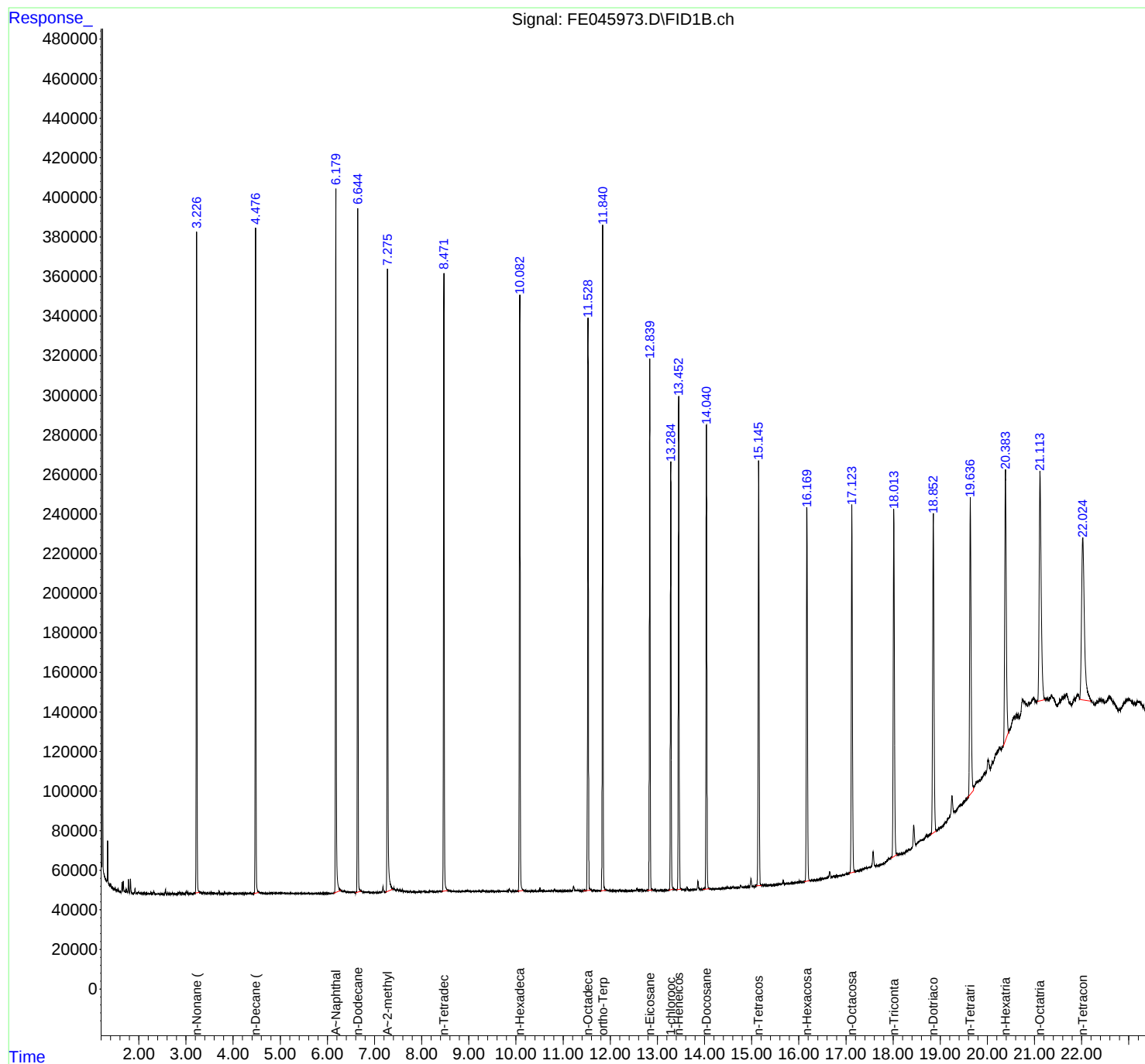
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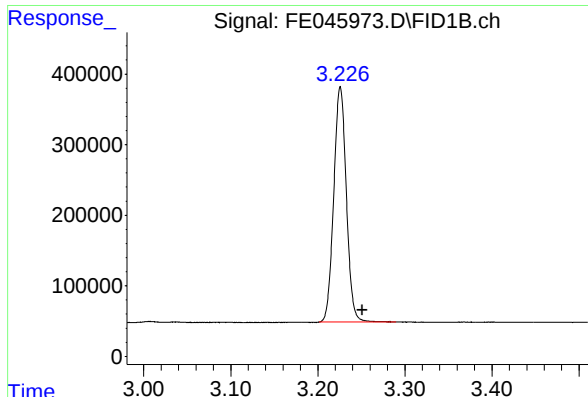
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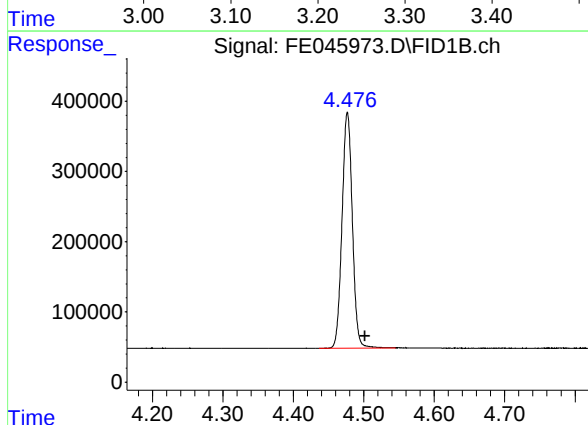
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.025 min
Response: 3357102
Conc: 21.17 ug/ml

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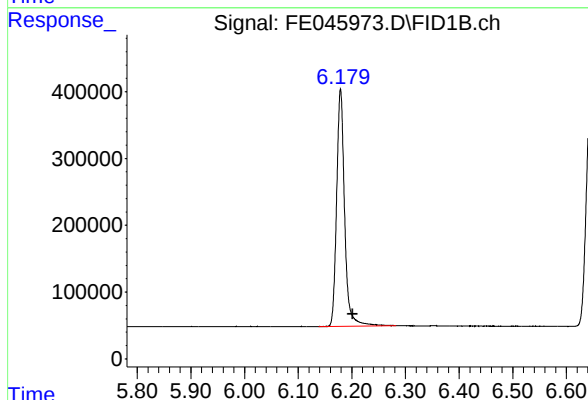
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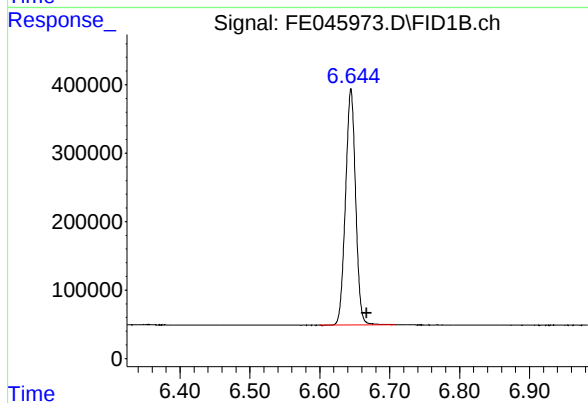
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.025 min
Response: 3420412
Conc: 21.36 ug/ml



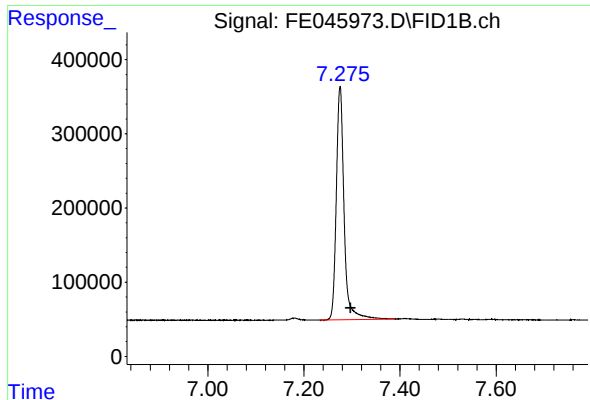
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.022 min
Response: 3665453
Conc: 21.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.645 min
Delta R.T.: -0.023 min
Response: 3457706
Conc: 21.41 ug/ml



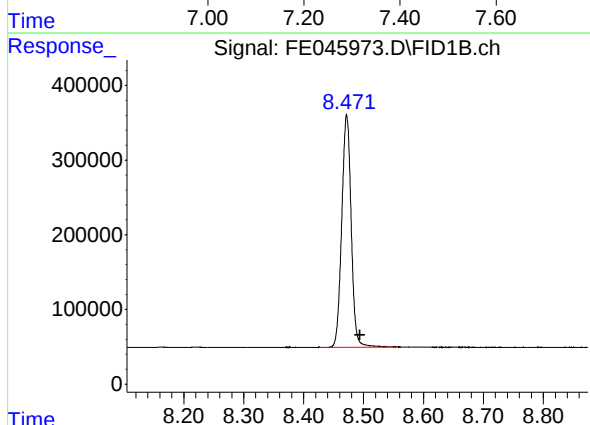
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.022 min
Response: 3543826
Conc: 20.87 ug/ml

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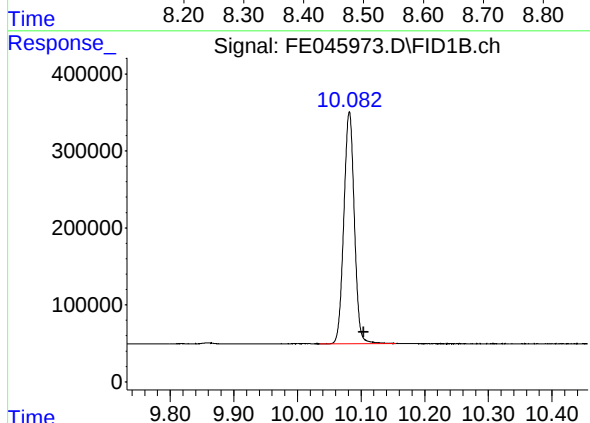
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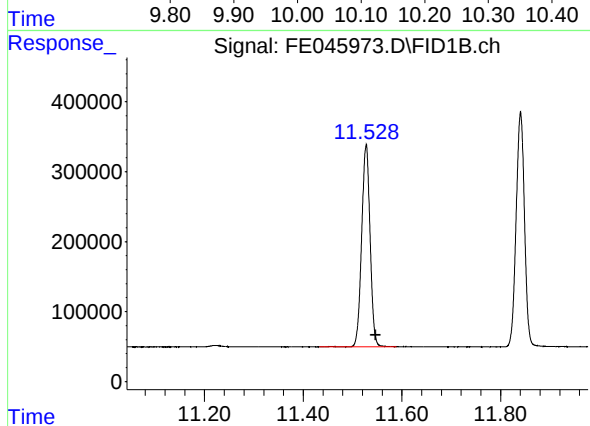
#6 n-Tetradecane (C14)

R.T.: 8.472 min
Delta R.T.: -0.022 min
Response: 3412554
Conc: 21.27 ug/ml



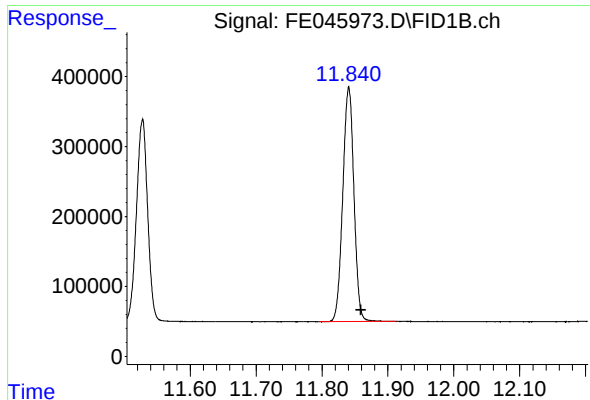
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.022 min
Response: 3448781
Conc: 20.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.020 min
Response: 3416873
Conc: 19.93 ug/ml



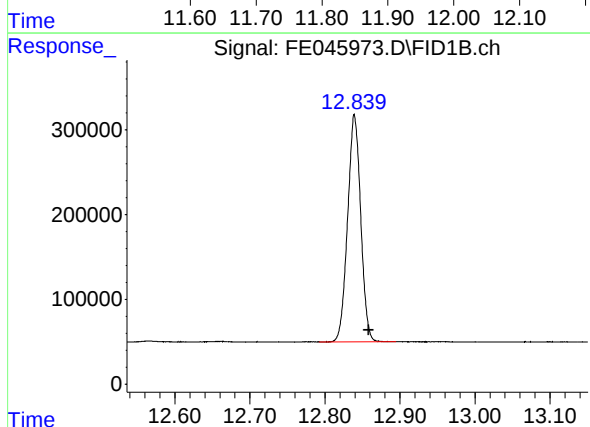
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.018 min
Response: 3946319
Conc: 18.87 ug/ml

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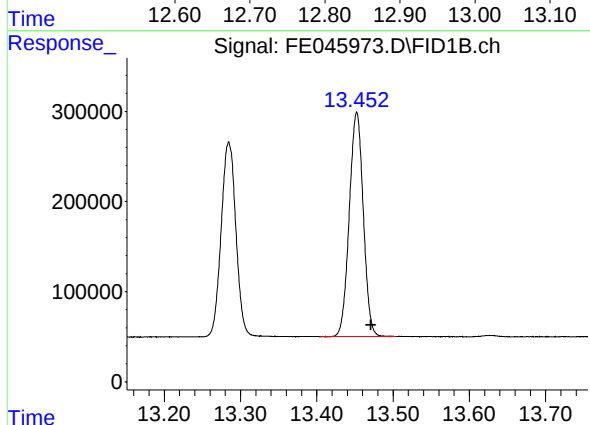
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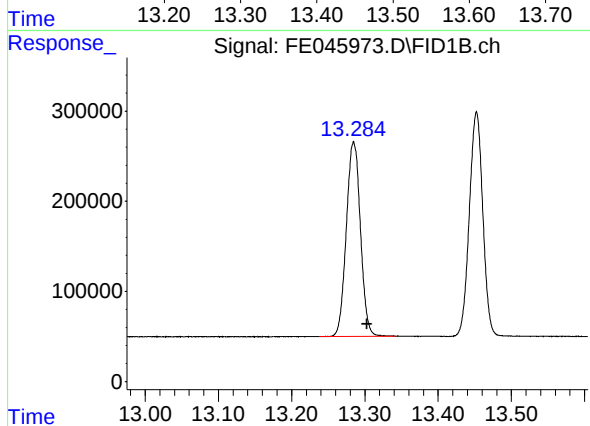
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.019 min
Response: 3255464
Conc: 18.82 ug/ml



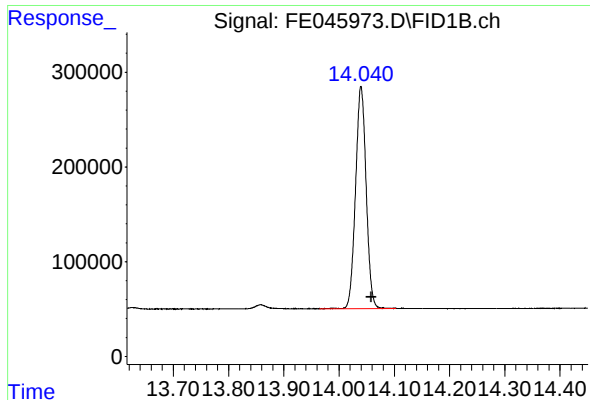
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.019 min
Response: 3171542
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.018 min
Response: 2890932
Conc: 18.37 ug/ml



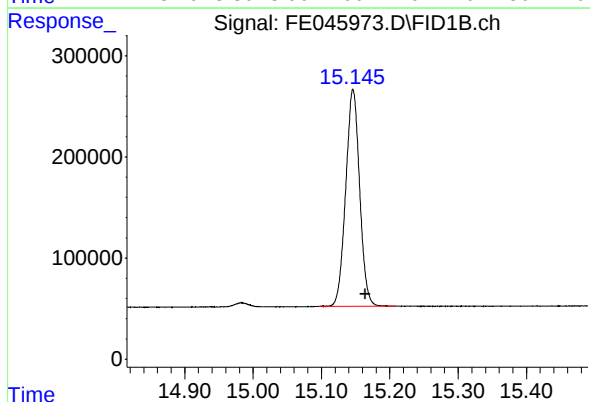
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.018 min
Response: 3123783
Conc: 18.12 ug/ml

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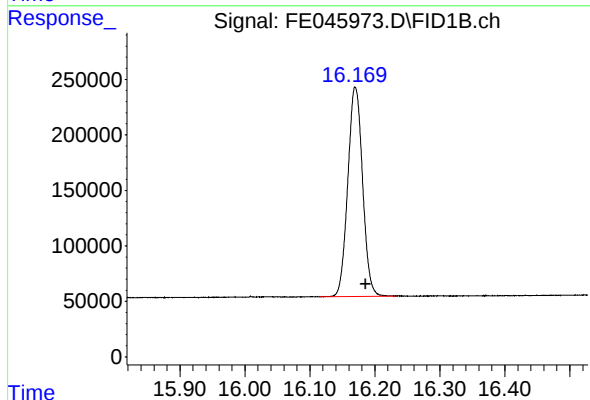
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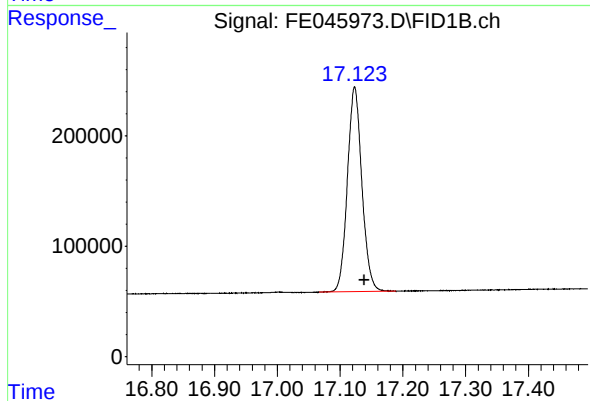
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: -0.018 min
Response: 3038578
Conc: 17.41 ug/ml



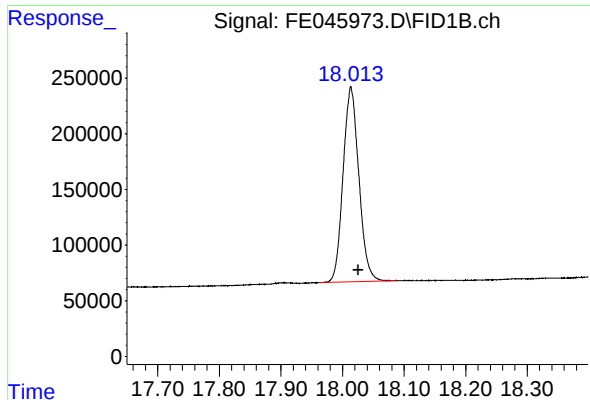
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.016 min
Response: 2977685
Conc: 17.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.015 min
Response: 2974301
Conc: 17.21 ug/ml



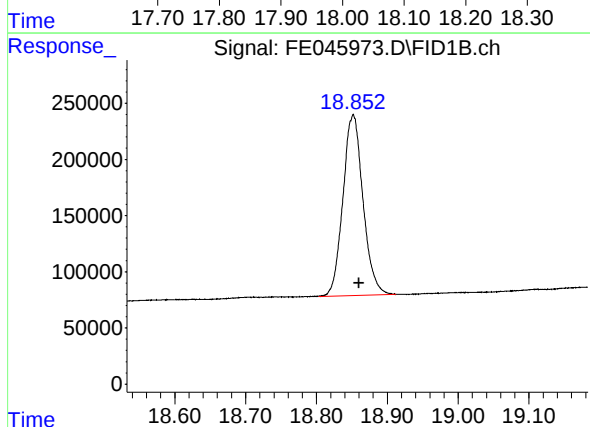
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.013 min
Response: 3116928
Conc: 17.82 ug/ml

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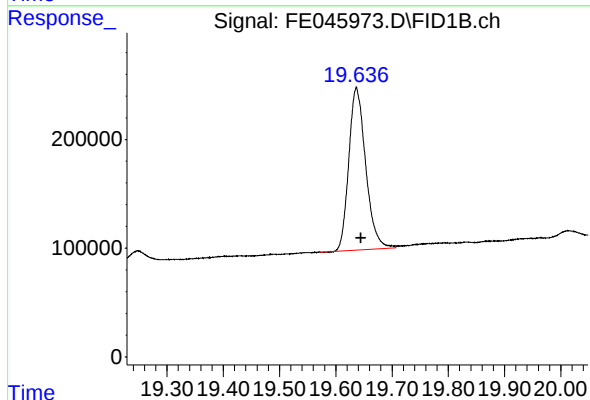
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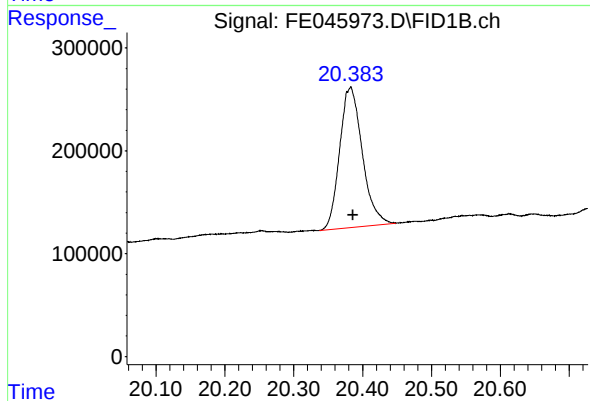
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.008 min
Response: 3167816
Conc: 17.36 ug/ml m



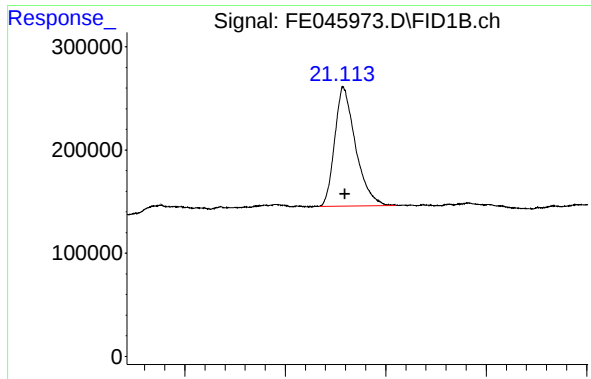
#19 n-Tetratriacontane (C34)

R.T.: 19.637 min
Delta R.T.: -0.008 min
Response: 3110410
Conc: 18.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.383 min
Delta R.T.: -0.004 min
Response: 3109002
Conc: 19.59 ug/ml



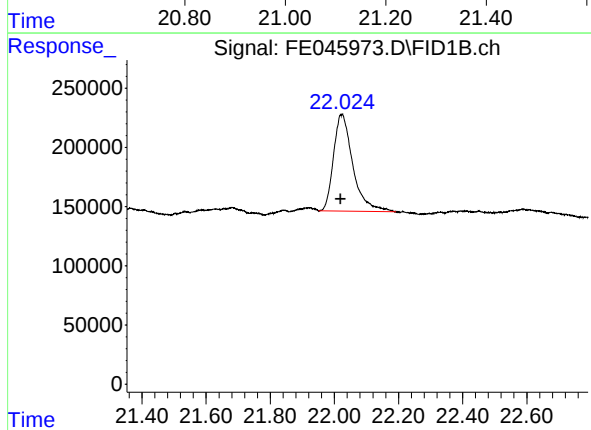
#21 n-Octatriacontane (C38)

R.T.: 21.113 min
Delta R.T.: -0.006 min
Response: 3332981
Conc: 21.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.024 min
Delta R.T.: 0.005 min
Response: 3439137
Conc: 24.20 ug/ml m