

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101424AL\
 Data File : FE050661.D
 Signal(s) : FID1B.ch
 Acq On : 15 Oct 2024 04:57
 Operator : YP\AJ
 Sample : P4368-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-02-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 05:38:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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			
12) S 1-chlorooctadecane (S...	13.291	3046442	25.753 ug/ml
Spiked Amount 50.000		Recovery =	51.51%
Target Compounds			
1) T n-Nonane (C9)	3.250	313636	2.220 ug/ml
2) T n-Decane (C10)	4.498	383003	2.669 ug/mlm
4) T n-Dodecane (C12)	6.665	450237	3.128 ug/ml
6) T n-Tetradecane (C14)	8.490	488156	3.412 ug/ml
7) T n-Hexadecane (C16)	10.095	453358	3.081 ug/mlm
8) T n-Octadecane (C18)	11.537	500288	3.349 ug/ml
10) T n-Eicosane (C20)	12.844	548956	3.828 ug/ml
11) T n-Heneicosane (C21)	13.454	476834	3.395 ug/ml
13) T n-Docosane (C22)	14.040	623298	4.443 ug/ml
14) T n-Tetracosane (C24)	15.141	838461	5.935 ug/ml
15) T n-Hexacosane (C26)	16.160	995636	7.075 ug/ml
16) T n-Octacosane (C28)	17.108	1167734	7.980 ug/ml
17) T n-Tricontane (C30)	17.995	1248504	7.852 ug/mlm
18) T n-Dotriacontane (C32)	18.826	1211612	7.474 ug/mlm
19) T n-Tetratriacontane (C34)	19.609	877170	5.972 ug/ml
20) T n-Hexatriacontane (C36)	20.349	702936	5.543 ug/ml
21) T n-Octatriacontane (C38)	21.073	605357	4.896 ug/ml
22) T n-Tetracontane (C40)	21.956	512412	4.602 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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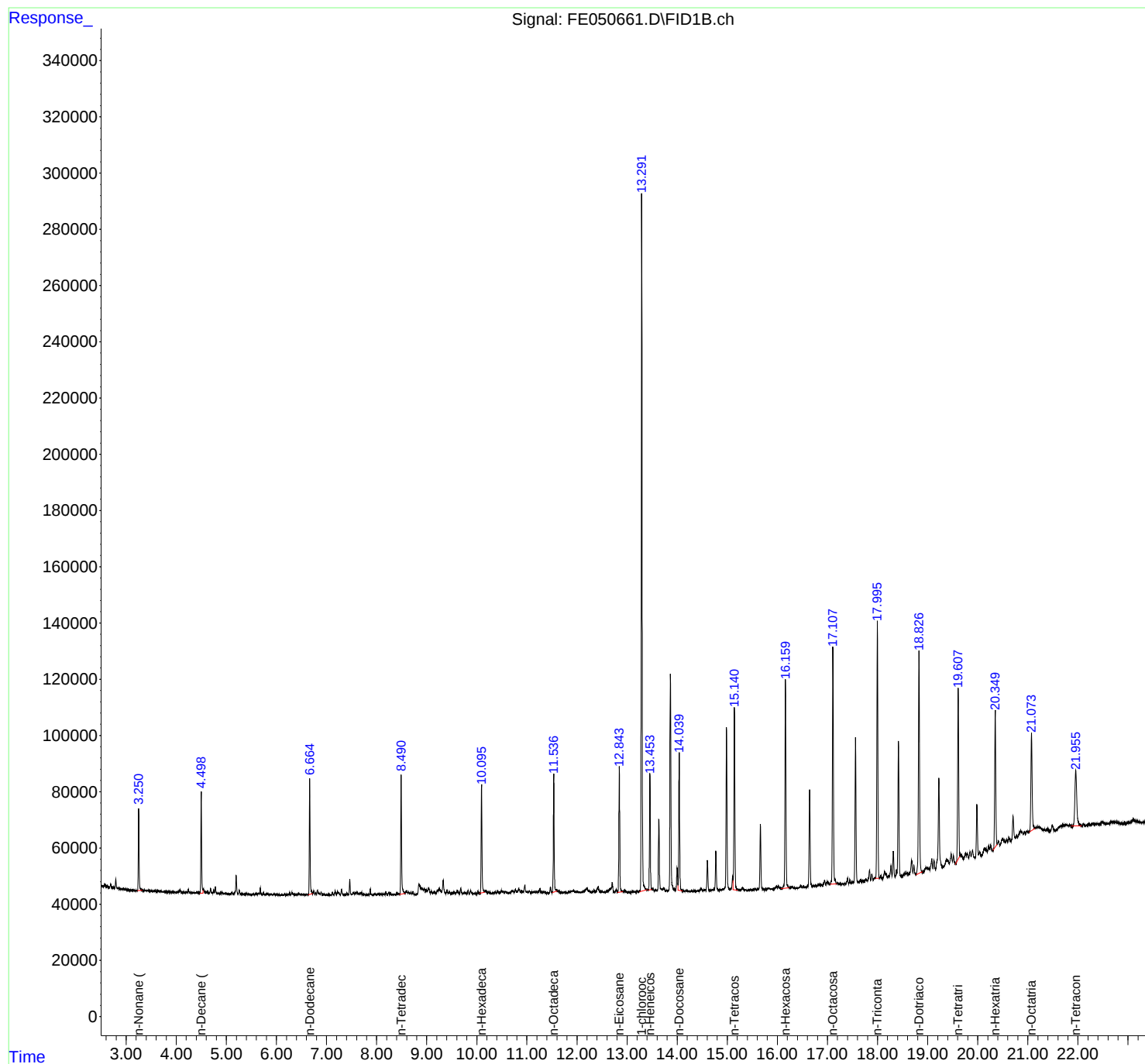
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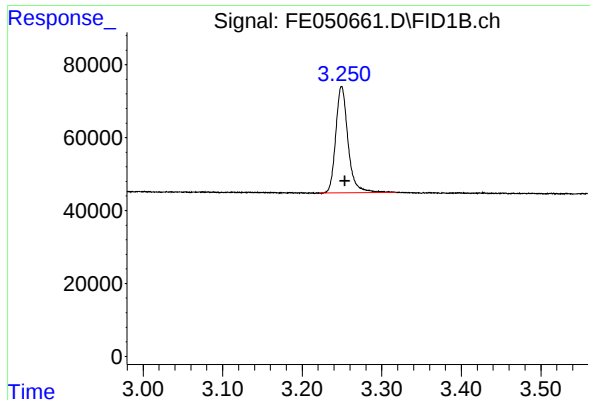
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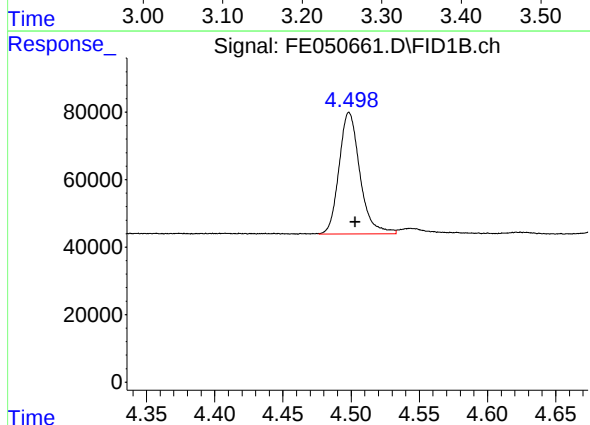
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.004 min
Response: 313636
Conc: 2.22 ug/ml

Instrument :
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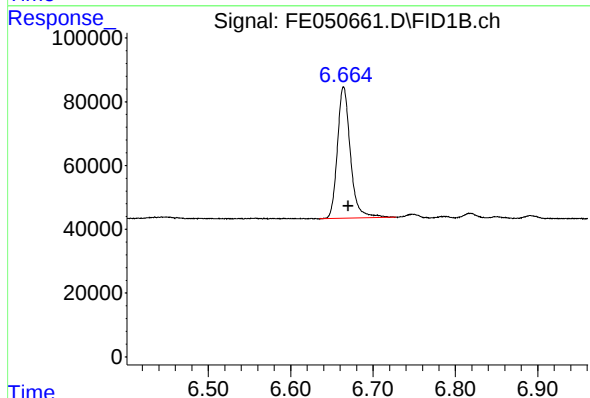
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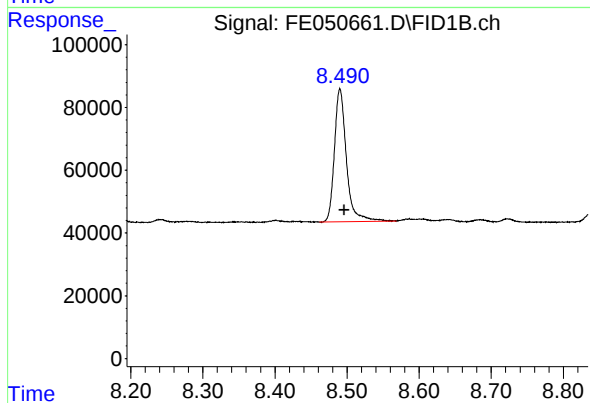
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.005 min
Response: 383003
Conc: 2.67 ug/ml m



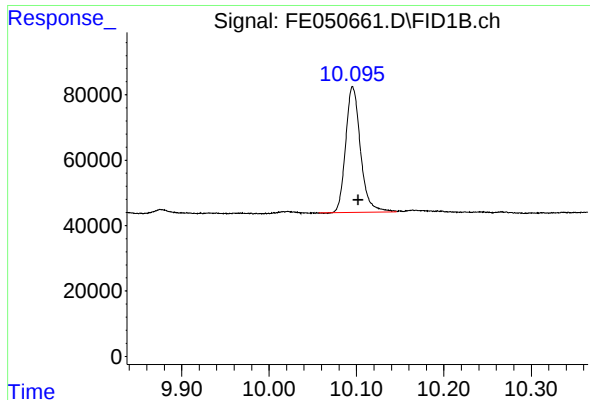
#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.005 min
Response: 450237
Conc: 3.13 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.006 min
Response: 488156
Conc: 3.41 ug/ml



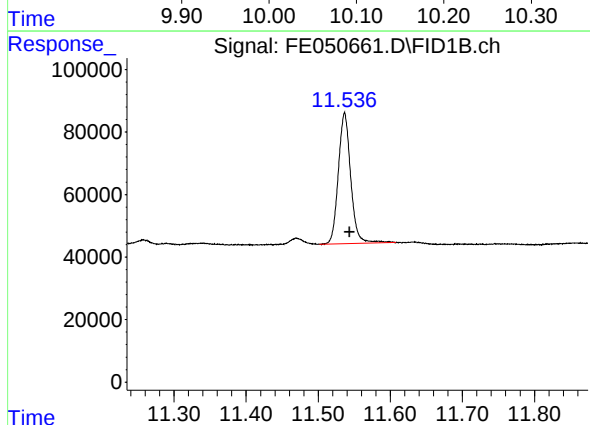
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: -0.007 min
Response: 453358
Conc: 3.08 ug/ml

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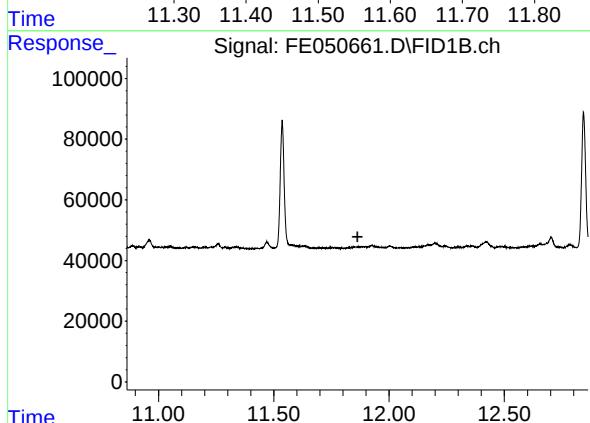
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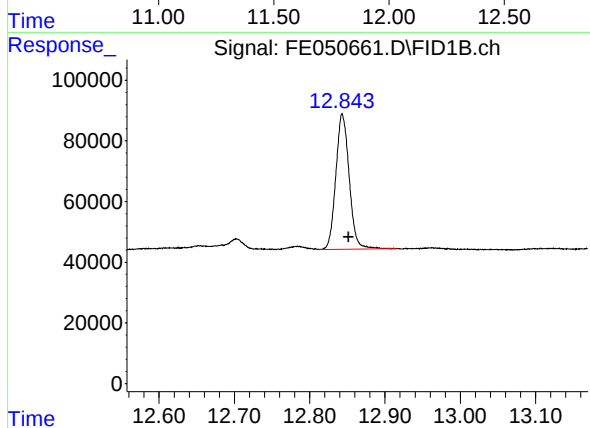
#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: -0.007 min
Response: 500288
Conc: 3.35 ug/ml



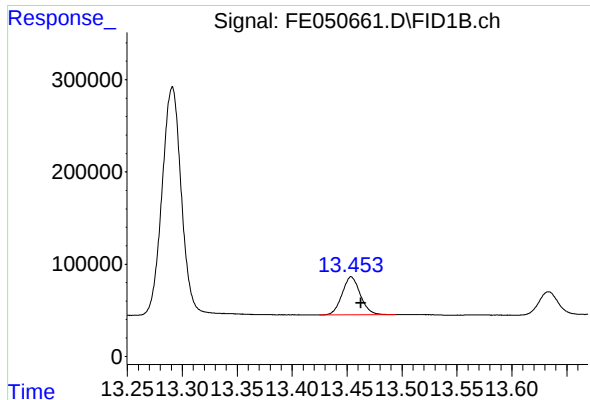
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.863 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.844 min
Delta R.T.: -0.008 min
Response: 548956
Conc: 3.83 ug/ml



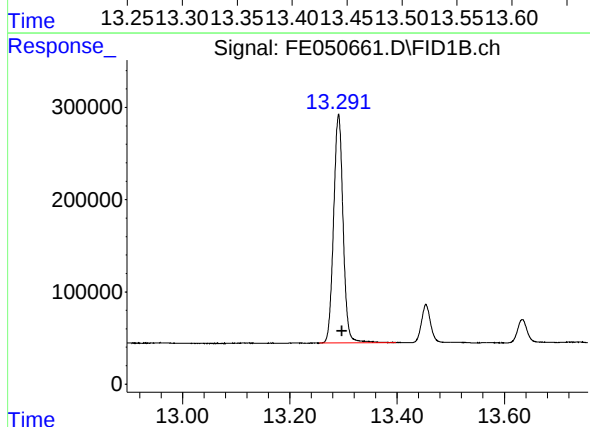
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.009 min
Response: 476834
Conc: 3.40 ug/ml

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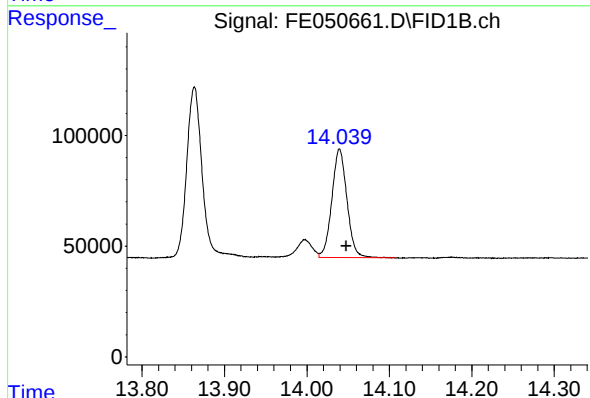
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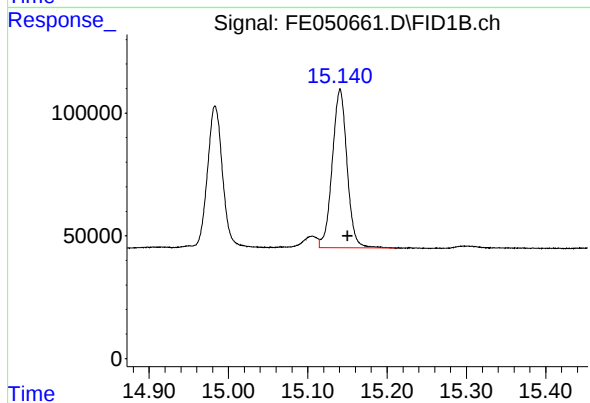
#12 1-chlorooctadecane (SURR)

R.T.: 13.291 min
Delta R.T.: -0.007 min
Response: 3046442
Conc: 25.75 ug/ml



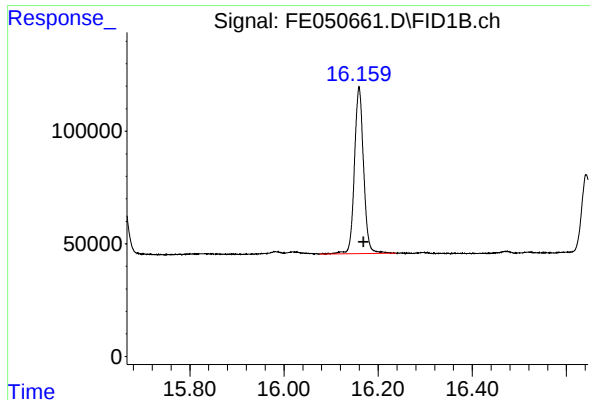
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.008 min
Response: 623298
Conc: 4.44 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: -0.009 min
Response: 838461
Conc: 5.93 ug/ml



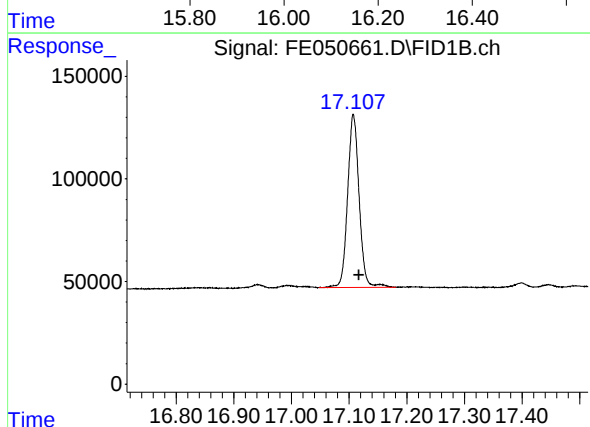
#15 n-Hexacosane (C26)

R.T.: 16.160 min
Delta R.T.: -0.010 min
Response: 995636
Conc: 7.08 ug/ml

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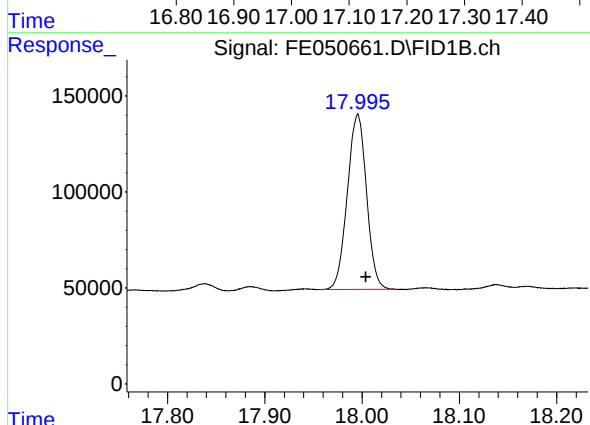
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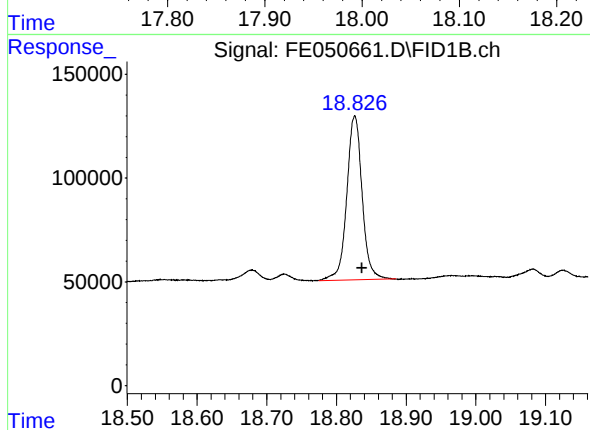
#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.010 min
Response: 1167734
Conc: 7.98 ug/ml



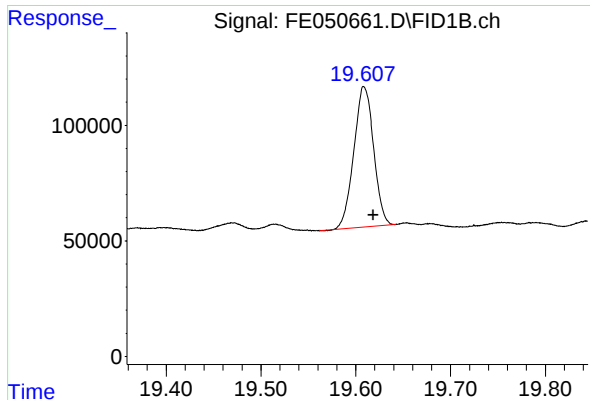
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.009 min
Response: 1248504
Conc: 7.85 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.010 min
Response: 1211612
Conc: 7.47 ug/ml m



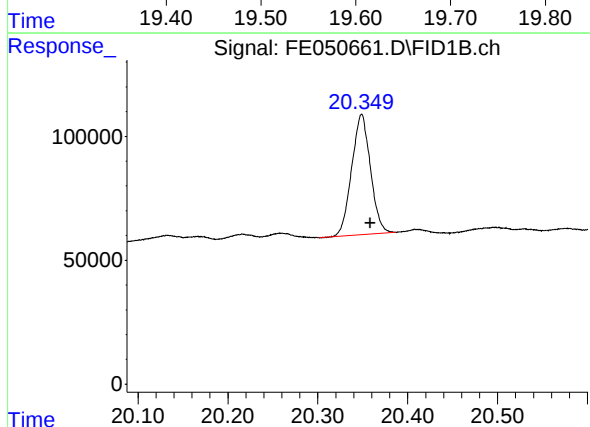
#19 n-Tetratriacontane (C34)

R.T.: 19.609 min
Delta R.T.: -0.010 min
Response: 877170
Conc: 5.97 ug/ml

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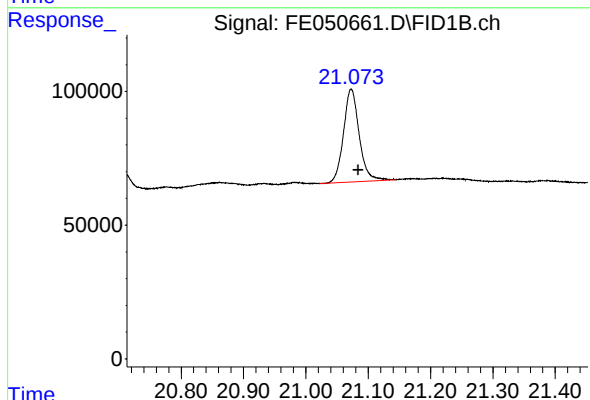
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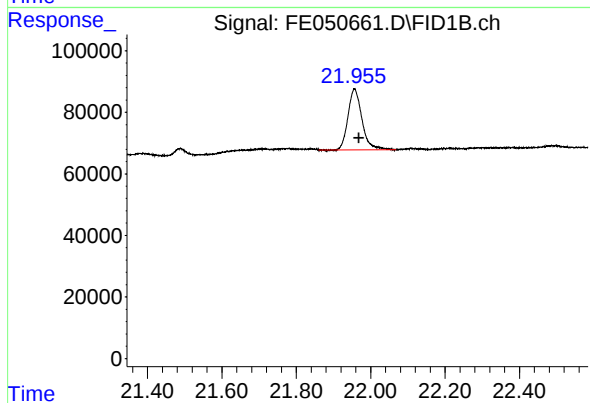
#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.010 min
Response: 702936
Conc: 5.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.011 min
Response: 605357
Conc: 4.90 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.956 min
Delta R.T.: -0.013 min
Response: 512412
Conc: 4.60 ug/ml