

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101424AL\
 Data File : FE050660.D
 Signal(s) : FID1B.ch
 Acq On : 15 Oct 2024 04:27
 Operator : YP\AJ
 Sample : P4368-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-01-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 05:38:07 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	4060386	34.325 ug/ml
Spiked Amount 50.000		Recovery =	68.65%
Target Compounds			
1) T n-Nonane (C9)	3.250	285525	2.021 ug/ml
2) T n-Decane (C10)	4.498	365836	2.550 ug/ml
4) T n-Dodecane (C12)	6.665	472681	3.284 ug/ml
6) T n-Tetradecane (C14)	8.490	491766	3.437 ug/ml
7) T n-Hexadecane (C16)	10.096	477167	3.242 ug/mlm
8) T n-Octadecane (C18)	11.536	516106	3.455 ug/ml
10) T n-Eicosane (C20)	12.844	537666	3.749 ug/ml
11) T n-Heneicosane (C21)	13.455	519685	3.701 ug/ml
13) T n-Docosane (C22)	14.040	512671	3.654 ug/ml
14) T n-Tetracosane (C24)	15.142	517175	3.661 ug/ml
15) T n-Hexacosane (C26)	16.161	523465	3.720 ug/ml
16) T n-Octacosane (C28)	17.109	520418	3.556 ug/ml
17) T n-Tricontane (C30)	17.992	552189	3.473 ug/mlm
18) T n-Dotriacontane (C32)	18.825	574217	3.542 ug/ml
19) T n-Tetratriacontane (C34)	19.609	572699	3.899 ug/ml
20) T n-Hexatriacontane (C36)	20.349	554446	4.372 ug/ml
21) T n-Octatriacontane (C38)	21.072	564347	4.564 ug/ml
22) T n-Tetracontane (C40)	21.957	494942	4.445 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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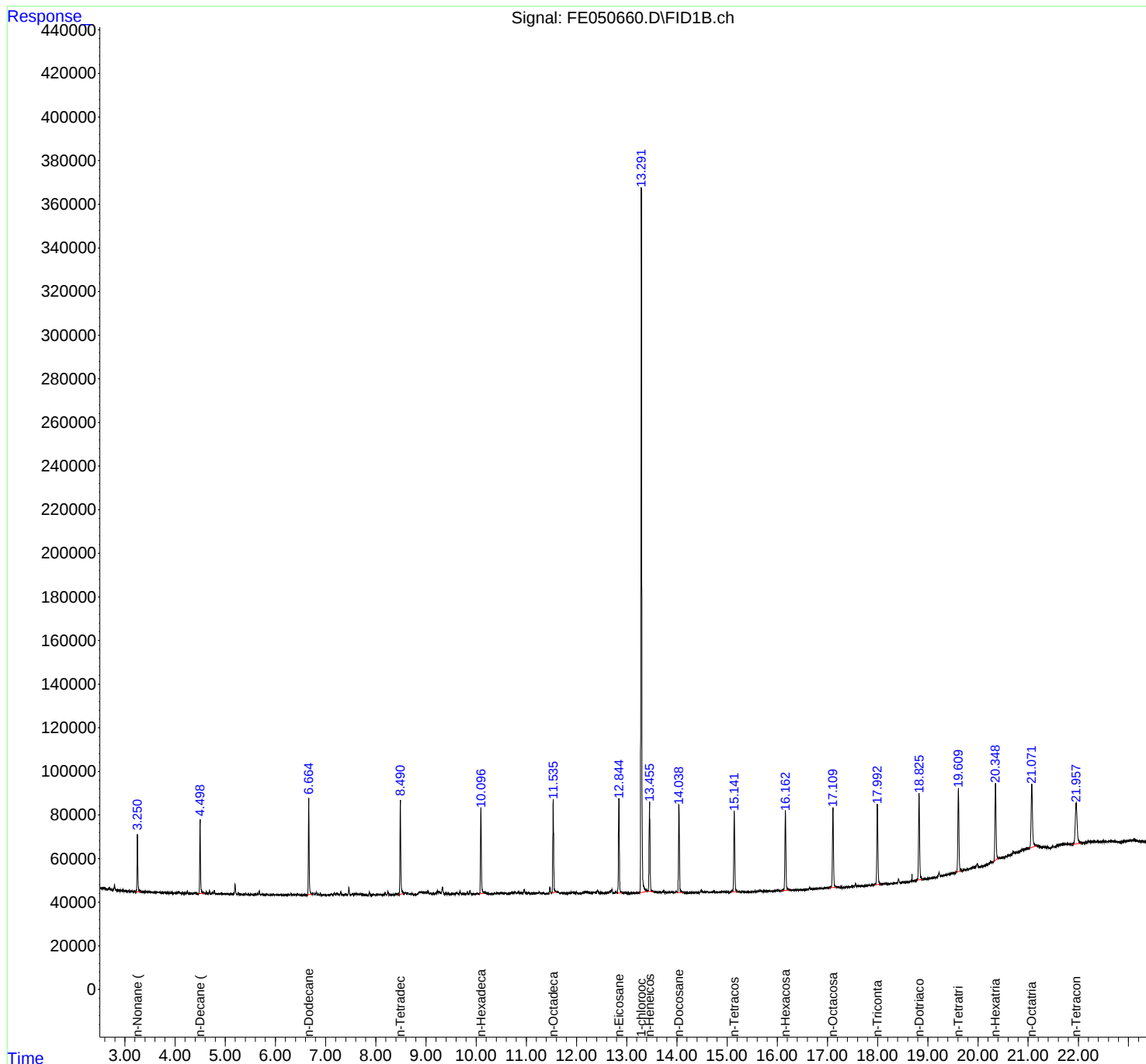
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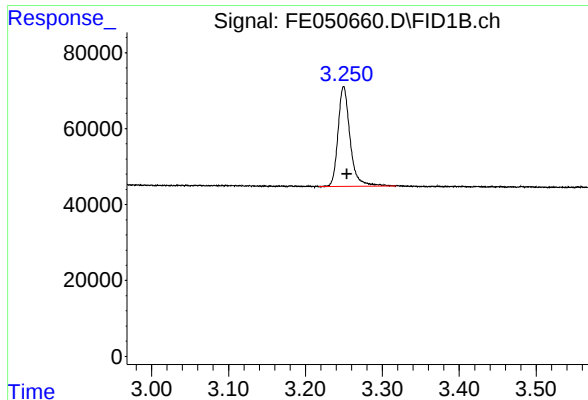
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#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.004 min
Response: 285525
Conc: 2.02 ug/ml

Instrument :

FID_E

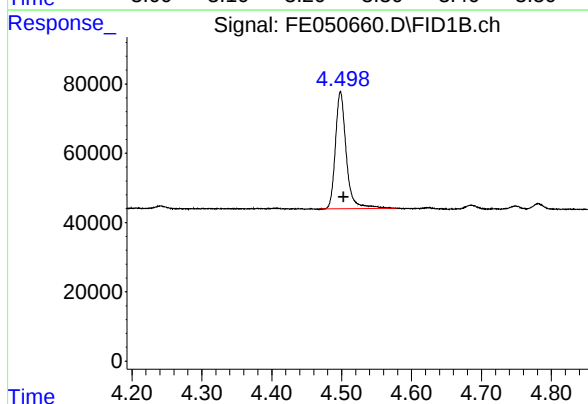
ClientSampleId :

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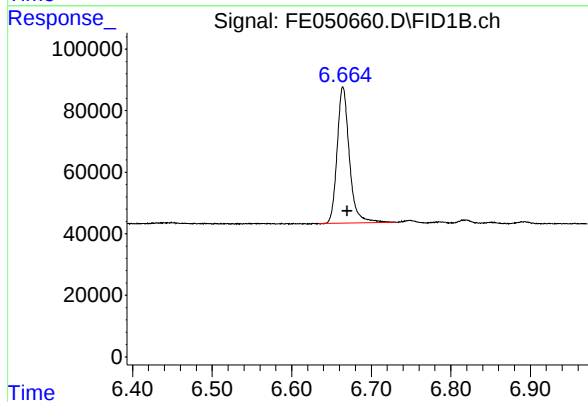
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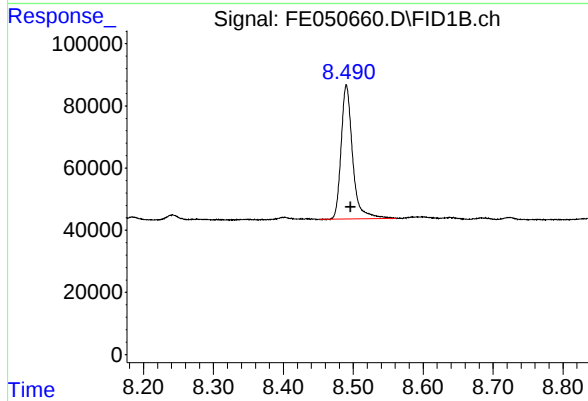
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.005 min
Response: 365836
Conc: 2.55 ug/ml



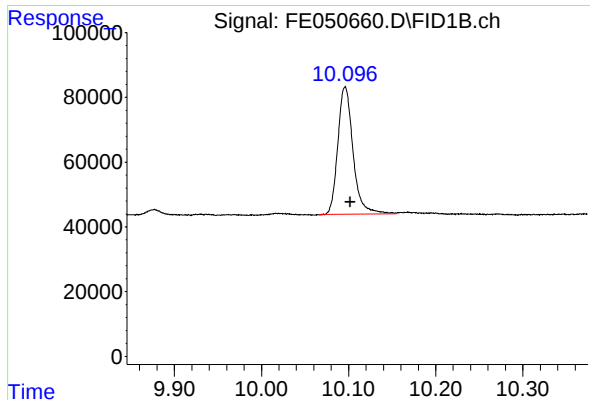
#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.005 min
Response: 472681
Conc: 3.28 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.006 min
Response: 491766
Conc: 3.44 ug/ml



#7 n-Hexadecane (C16)

R.T.: 10.096 min
Delta R.T.: -0.006 min
Response: 477167
Conc: 3.24 ug/ml

Instrument :

FID_E

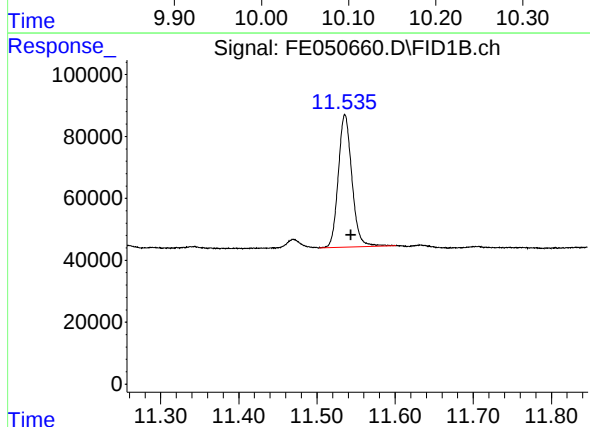
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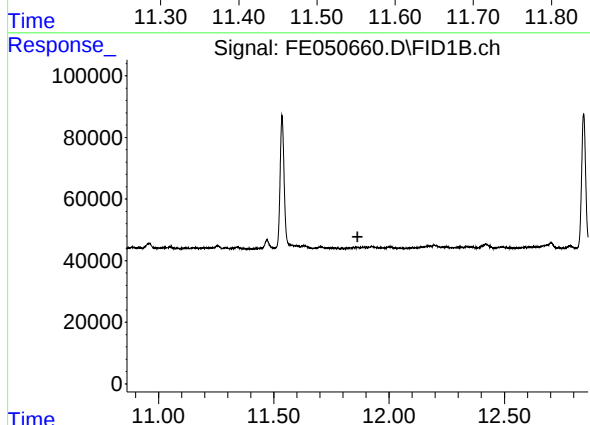
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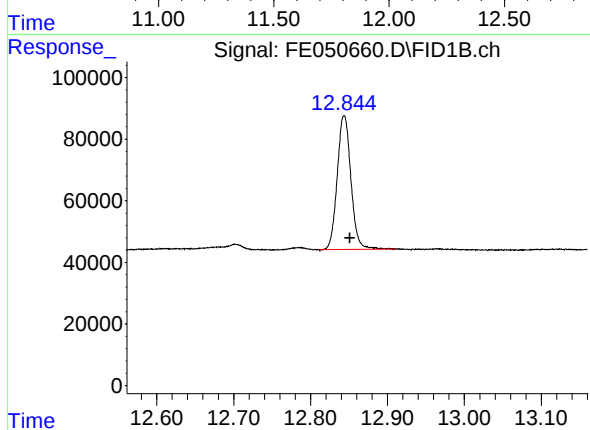
#8 n-Octadecane (C18)

R.T.: 11.536 min
Delta R.T.: -0.008 min
Response: 516106
Conc: 3.46 ug/ml



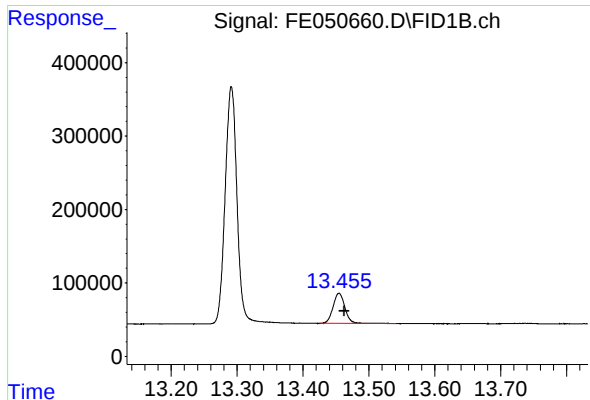
#9 ortho-Terphenyl (SURR)

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: 537666
Conc: 3.75 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.008 min
Response: 519685
Conc: 3.70 ug/ml

Instrument :

FID_E

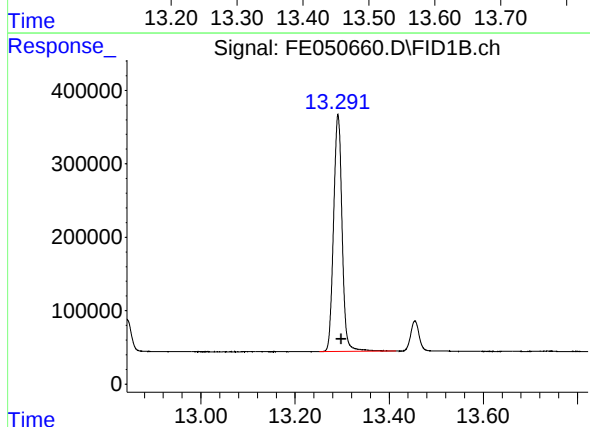
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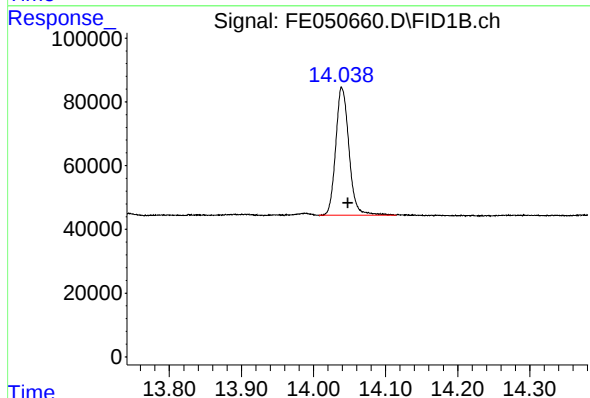
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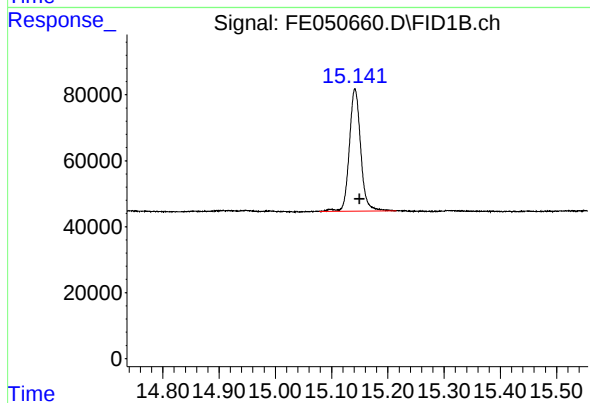
#12 1-chlorooctadecane (SURR)

R.T.: 13.291 min
Delta R.T.: -0.007 min
Response: 4060386
Conc: 34.32 ug/ml



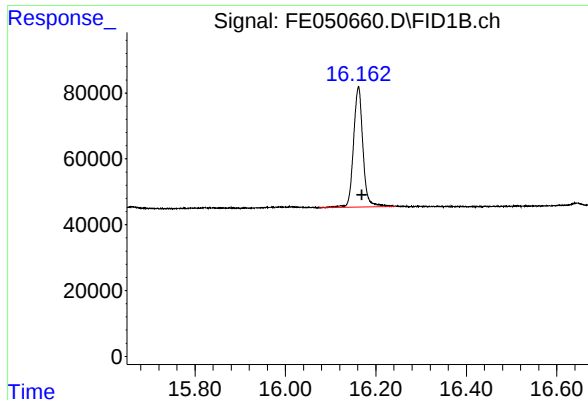
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.008 min
Response: 512671
Conc: 3.65 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.008 min
Response: 517175
Conc: 3.66 ug/ml



#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: -0.008 min
Response: 523465
Conc: 3.72 ug/ml

Instrument :

FID_E

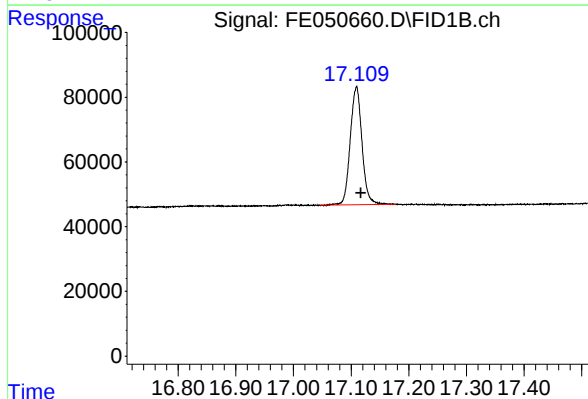
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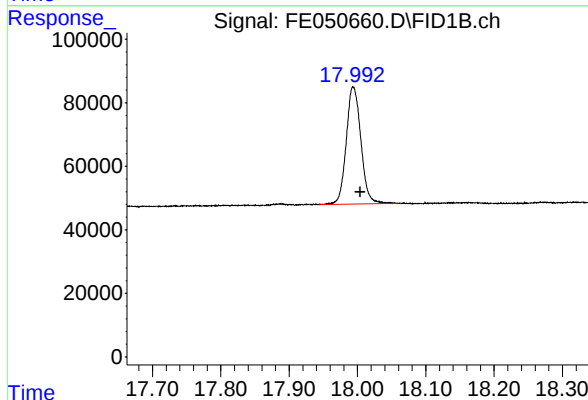
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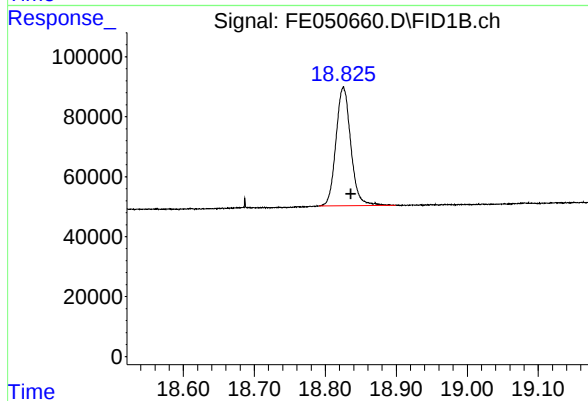
#16 n-Octacosane (C28)

R.T.: 17.109 min
Delta R.T.: -0.008 min
Response: 520418
Conc: 3.56 ug/ml



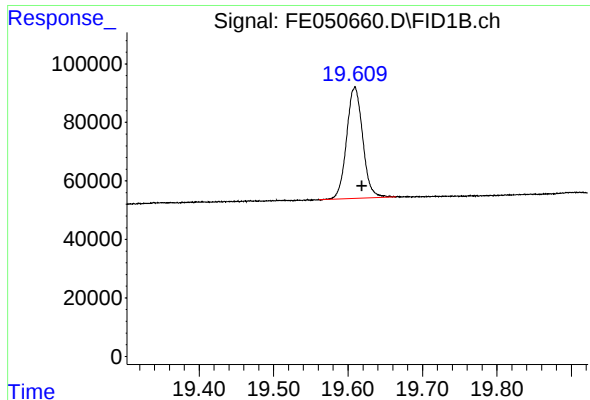
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: -0.012 min
Response: 552189
Conc: 3.47 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.011 min
Response: 574217
Conc: 3.54 ug/ml



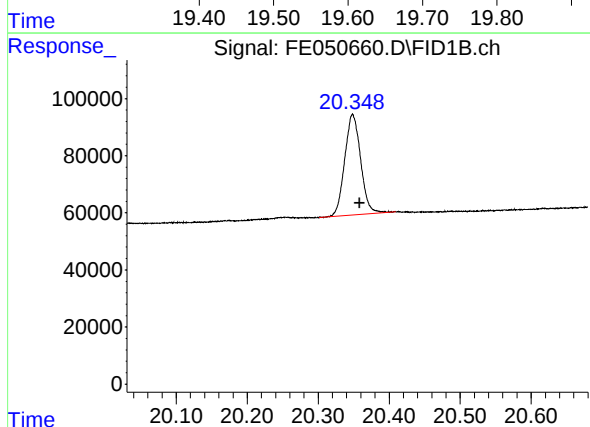
#19 n-Tetratriacontane (C34)

R.T.: 19.609 min
Delta R.T.: -0.010 min
Response: 572699
Conc: 3.90 ug/ml

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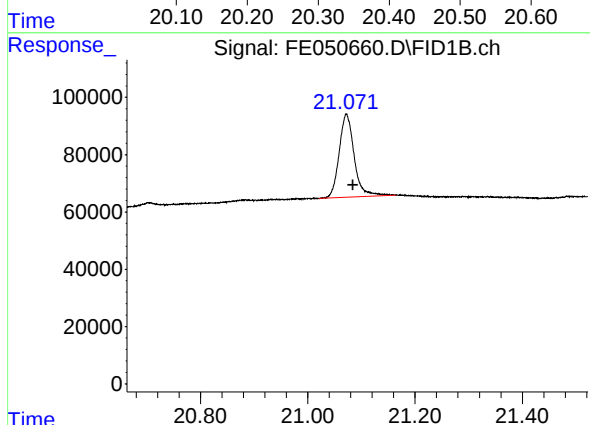
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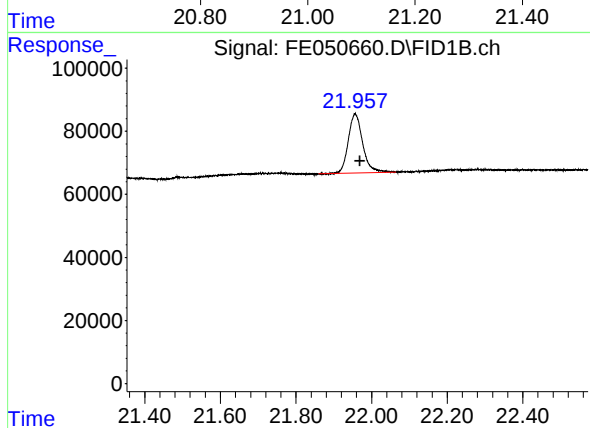
#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.010 min
Response: 554446
Conc: 4.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.072 min
Delta R.T.: -0.012 min
Response: 564347
Conc: 4.56 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.957 min
Delta R.T.: -0.013 min
Response: 494942
Conc: 4.44 ug/ml