

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012925AL\
 Data File : FE052135.D
 Signal(s) : FID1B.ch
 Acq On : 30 Jan 2025 00:27
 Operator : YP\AJ
 Sample : Q1168-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 01:34:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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			
12) S 1-chlorooctadecane (S...	13.607	4395667	38.318 ug/ml
Spiked Amount 50.000		Recovery =	76.64%
Target Compounds			
1) T n-Nonane (C9)	3.674	168378	1.579 ug/ml
2) T n-Decane (C10)	4.901	208158	1.901 ug/ml
4) T n-Dodecane (C12)	7.028	268624	2.380 ug/ml
6) T n-Tetradecane (C14)	8.833	269153	2.314 ug/ml
7) T n-Hexadecane (C16)	10.426	276110	2.189 ug/ml
8) T n-Octadecane (C18)	11.858	292262	2.209 ug/ml
10) T n-Eicosane (C20)	13.159	306298	2.336 ug/ml
11) T n-Heneicosane (C21)	13.768	281399	2.162 ug/ml
13) T n-Docosane (C22)	14.350	297650	2.268 ug/ml
14) T n-Tetracosane (C24)	15.448	296719	2.234 ug/ml
15) T n-Hexacosane (C26)	16.464	288372	2.182 ug/mlm
16) T n-Octacosane (C28)	17.410	307658	2.331 ug/ml
17) T n-Tricontane (C30)	18.294	357281	2.620 ug/ml
18) T n-Dotriacontane (C32)	19.123	380833	2.906 ug/ml
19) T n-Tetratriacontane (C34)	19.904	343251	3.049 ug/ml
20) T n-Hexatriacontane (C36)	20.642	305777	3.219 ug/ml
21) T n-Octatriacontane (C38)	21.423	274361	3.176 ug/mlm
22) T n-Tetracontane (C40)	22.419	258170	3.133 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 25 Sample Multiplier: 1

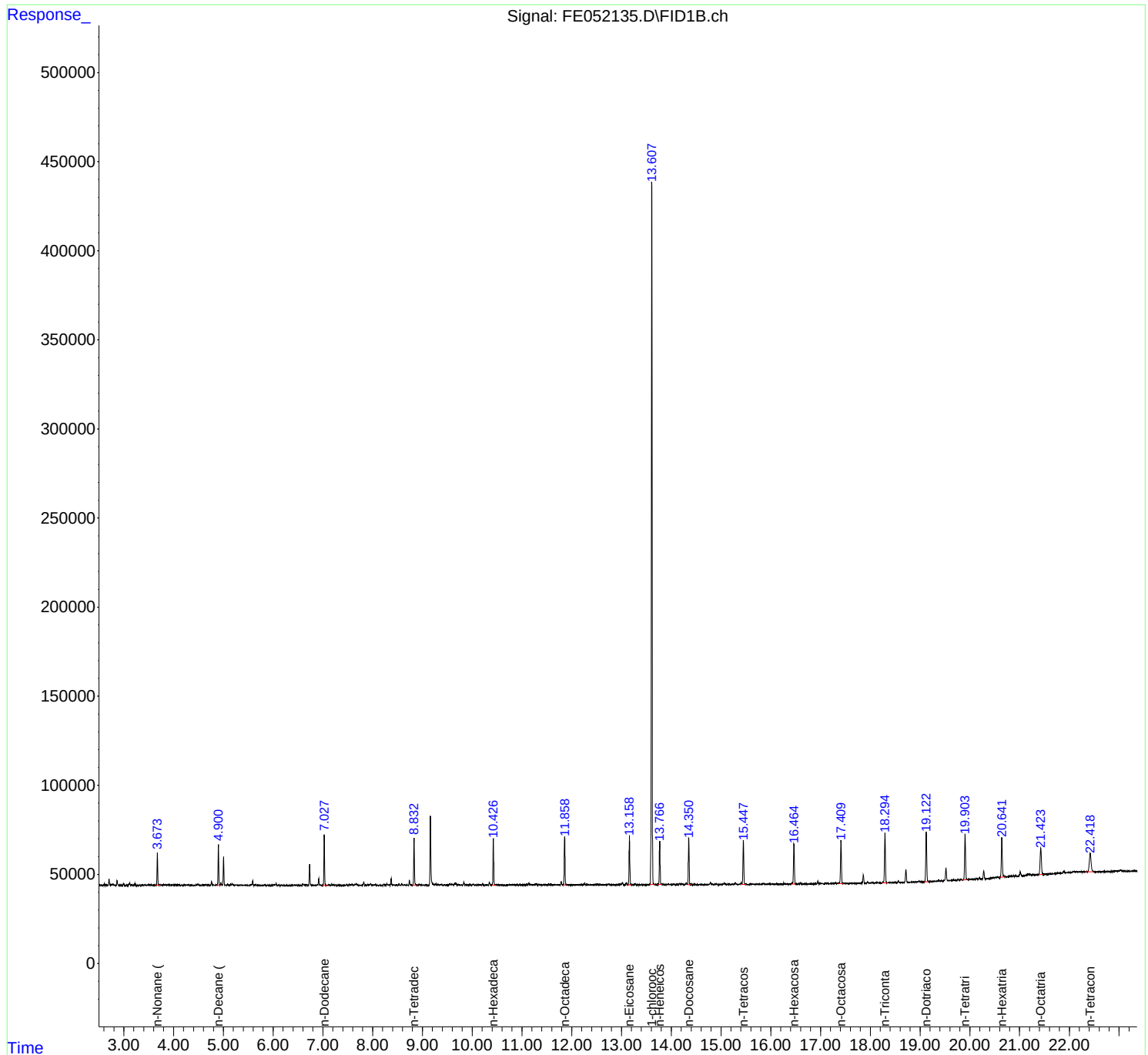
Instrument :
FID_E
ClientSampleId :
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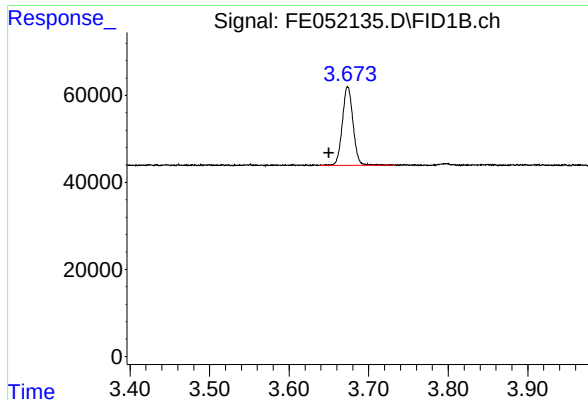
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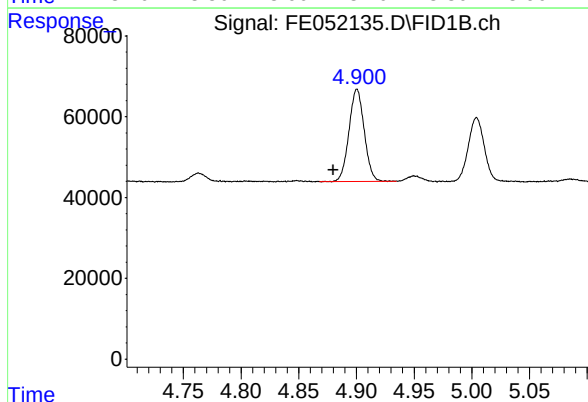
#1 n-Nonane (C9)

R.T.: 3.674 min
Delta R.T.: 0.024 min
Response: 168378
Conc: 1.58 ug/ml

Instrument : FID_E
ClientSampleId : MDL-WATER-03-QT1-2025

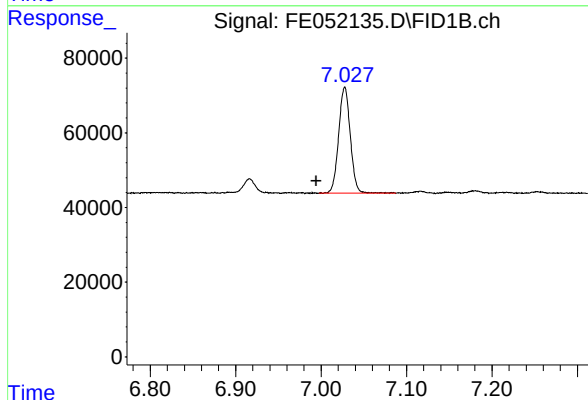
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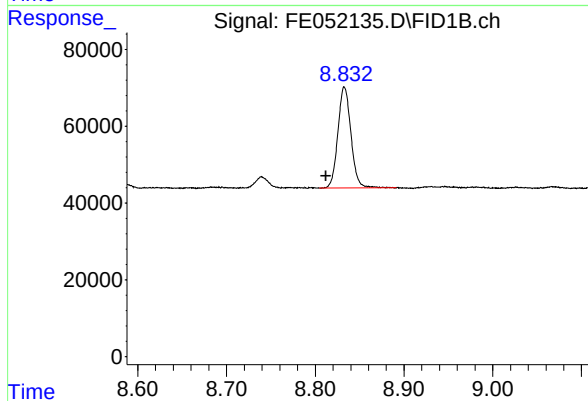
#2 n-Decane (C10)

R.T.: 4.901 min
Delta R.T.: 0.021 min
Response: 208158
Conc: 1.90 ug/ml



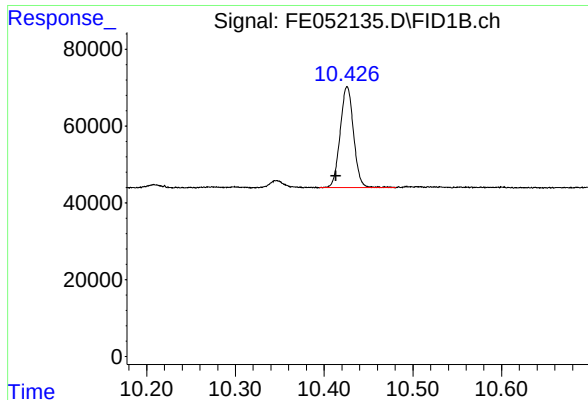
#4 n-Dodecane (C12)

R.T.: 7.028 min
Delta R.T.: 0.033 min
Response: 268624
Conc: 2.38 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.833 min
Delta R.T.: 0.021 min
Response: 269153
Conc: 2.31 ug/ml



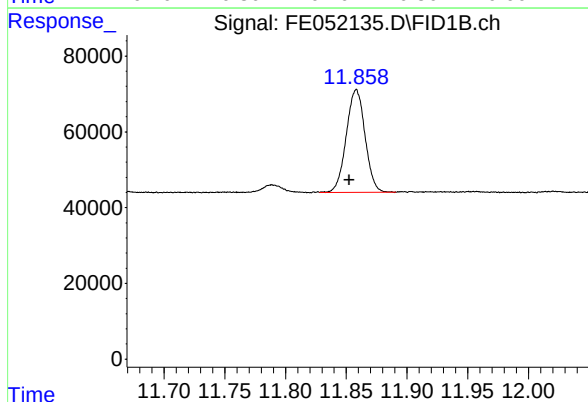
#7 n-Hexadecane (C16)

R.T.: 10.426 min
Delta R.T.: 0.012 min
Response: 276110
Conc: 2.19 ug/ml

Instrument : FID_E
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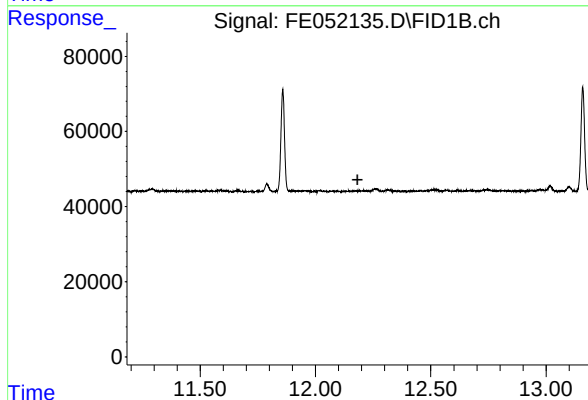
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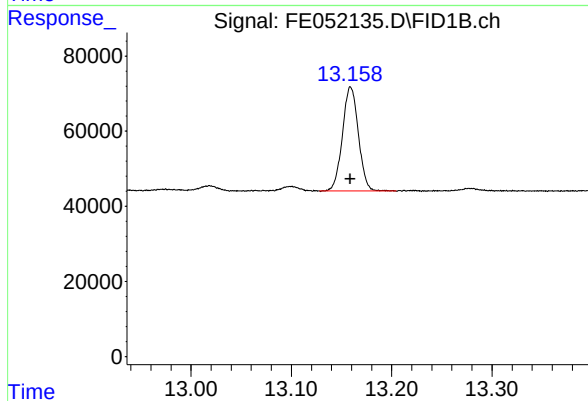
#8 n-Octadecane (C18)

R.T.: 11.858 min
Delta R.T.: 0.006 min
Response: 292262
Conc: 2.21 ug/ml



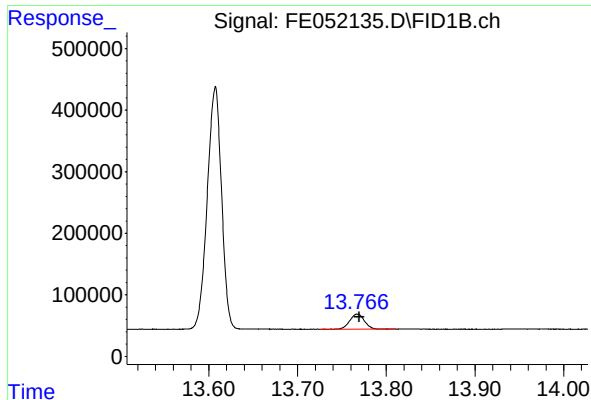
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.182 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 13.159 min
Delta R.T.: 0.000 min
Response: 306298
Conc: 2.34 ug/ml



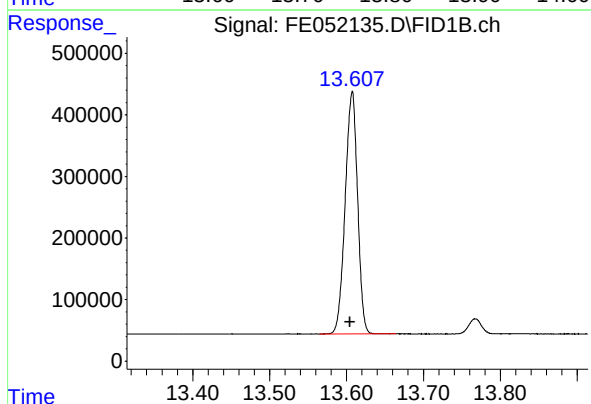
#11 n-Heneicosane (C21)

R.T.: 13.768 min
Delta R.T.: -0.002 min
Response: 281399
Conc: 2.16 ug/ml

Instrument :
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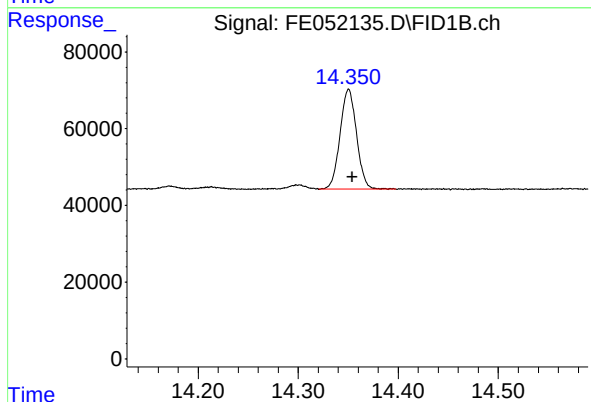
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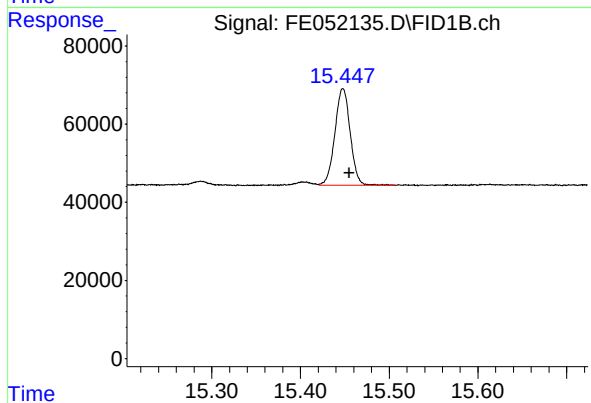
#12 1-chlorooctadecane (SURR)

R.T.: 13.607 min
Delta R.T.: 0.002 min
Response: 4395667
Conc: 38.32 ug/ml



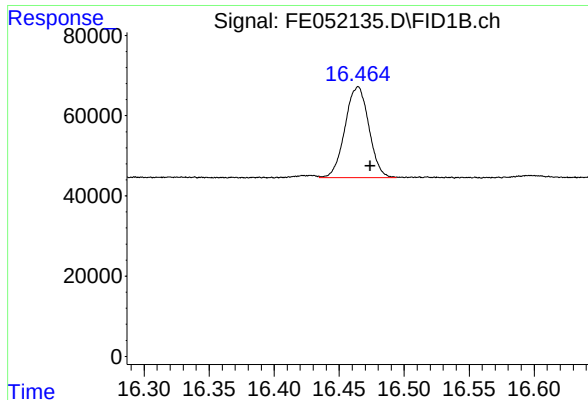
#13 n-Docosane (C22)

R.T.: 14.350 min
Delta R.T.: -0.004 min
Response: 297650
Conc: 2.27 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.448 min
Delta R.T.: -0.007 min
Response: 296719
Conc: 2.23 ug/ml



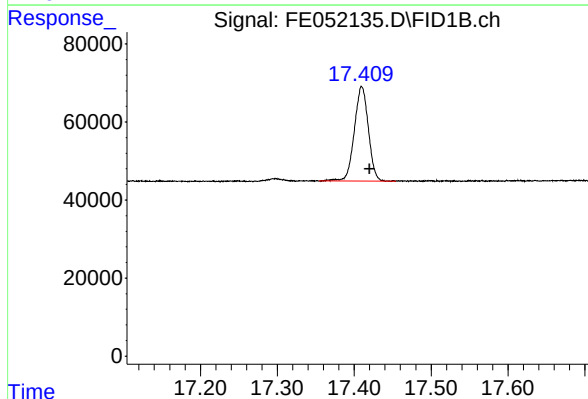
#15 n-Hexacosane (C26)

R.T.: 16.464 min
Delta R.T.: -0.010 min
Response: 288372
Conc: 2.18 ug/ml

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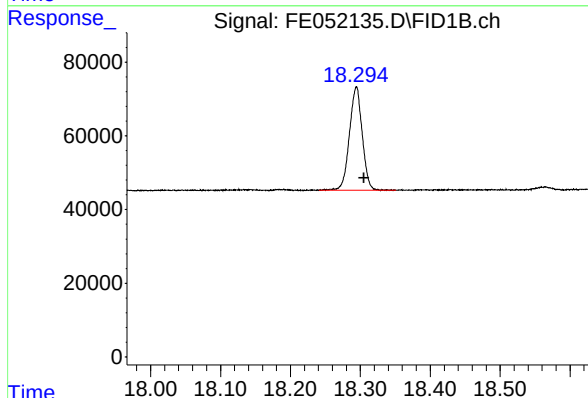
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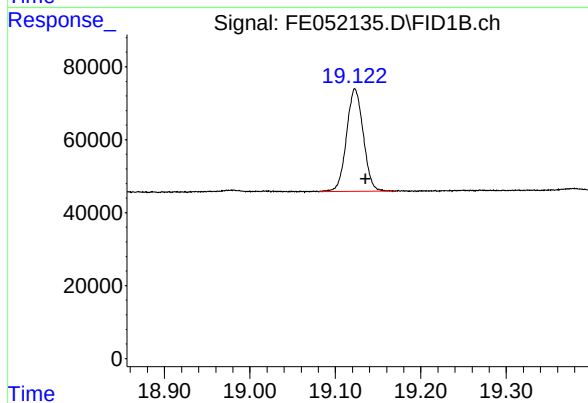
#16 n-Octacosane (C28)

R.T.: 17.410 min
Delta R.T.: -0.010 min
Response: 307658
Conc: 2.33 ug/ml



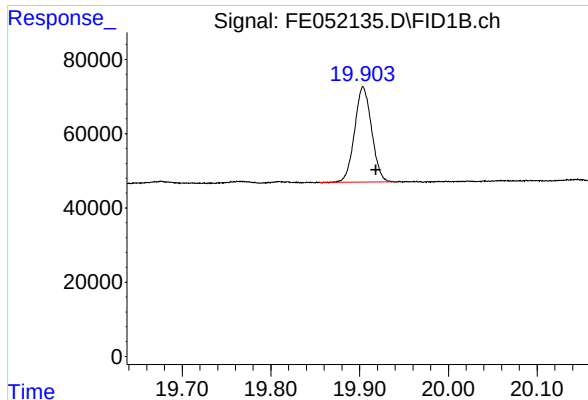
#17 n-Tricontane (C30)

R.T.: 18.294 min
Delta R.T.: -0.011 min
Response: 357281
Conc: 2.62 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.123 min
Delta R.T.: -0.013 min
Response: 380833
Conc: 2.91 ug/ml



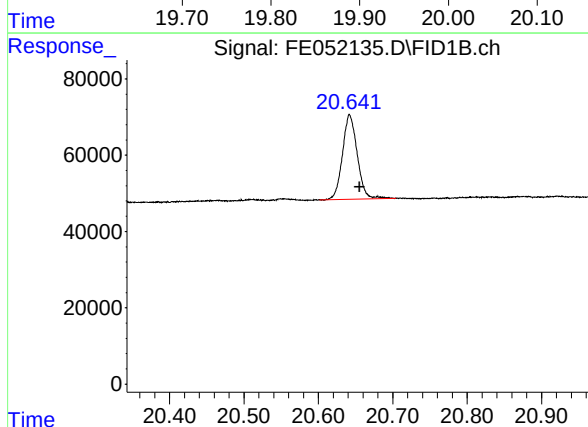
#19 n-Tetratriacontane (C34)

R.T.: 19.904 min
Delta R.T.: -0.014 min
Response: 343251
Conc: 3.05 ug/ml

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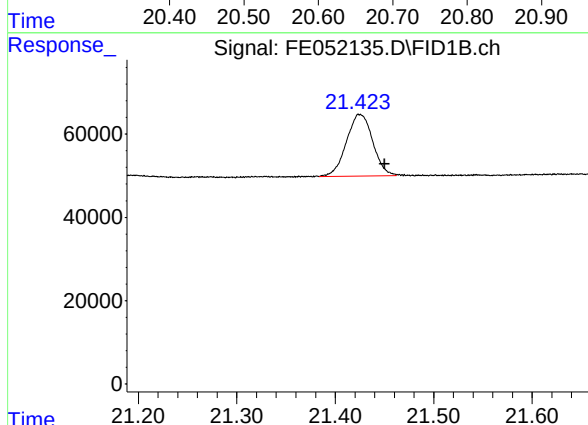
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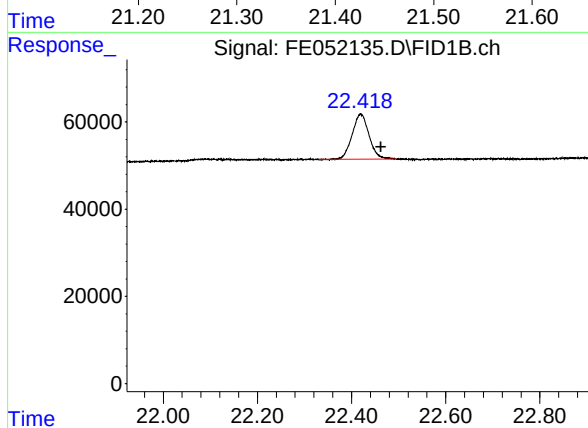
#20 n-Hexatriacontane (C36)

R.T.: 20.642 min
Delta R.T.: -0.014 min
Response: 305777
Conc: 3.22 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.423 min
Delta R.T.: -0.027 min
Response: 274361
Conc: 3.18 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.419 min
Delta R.T.: -0.043 min
Response: 258170
Conc: 3.13 ug/ml