

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052113.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 19:29
 Operator : YP\AJ
 Sample : Q1168-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 03:06:25 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...	13.611	4437928	38.687 ug/ml
Spiked Amount 50.000		Recovery =	77.37%
Target Compounds			
1) T n-Nonane (C9)	3.677	297944	2.795 ug/ml
2) T n-Decane (C10)	4.903	373443	3.411 ug/mlm
4) T n-Dodecane (C12)	7.030	452221	4.007 ug/ml
6) T n-Tetradecane (C14)	8.836	462931	3.980 ug/ml
7) T n-Hexadecane (C16)	10.429	482766	3.828 ug/ml
8) T n-Octadecane (C18)	11.861	524269	3.963 ug/ml
10) T n-Eicosane (C20)	13.163	554065	4.226 ug/ml
11) T n-Heneicosane (C21)	13.772	515580	3.961 ug/ml
13) T n-Docosane (C22)	14.354	577225	4.398 ug/ml
14) T n-Tetracosane (C24)	15.452	662559	4.988 ug/ml
15) T n-Hexacosane (C26)	16.469	703316	5.321 ug/mlm
16) T n-Octacosane (C28)	17.414	723015	5.478 ug/ml
17) T n-Tricontane (C30)	18.298	708278	5.195 ug/mlm
18) T n-Dotriacontane (C32)	19.130	672728	5.133 ug/ml
19) T n-Tetratriacontane (C34)	19.911	562236	4.994 ug/ml
20) T n-Hexatriacontane (C36)	20.650	497538	5.238 ug/ml
21) T n-Octatriacontane (C38)	21.432	460309	5.329 ug/mlm
22) T n-Tetracontane (C40)	22.431	437298	5.306 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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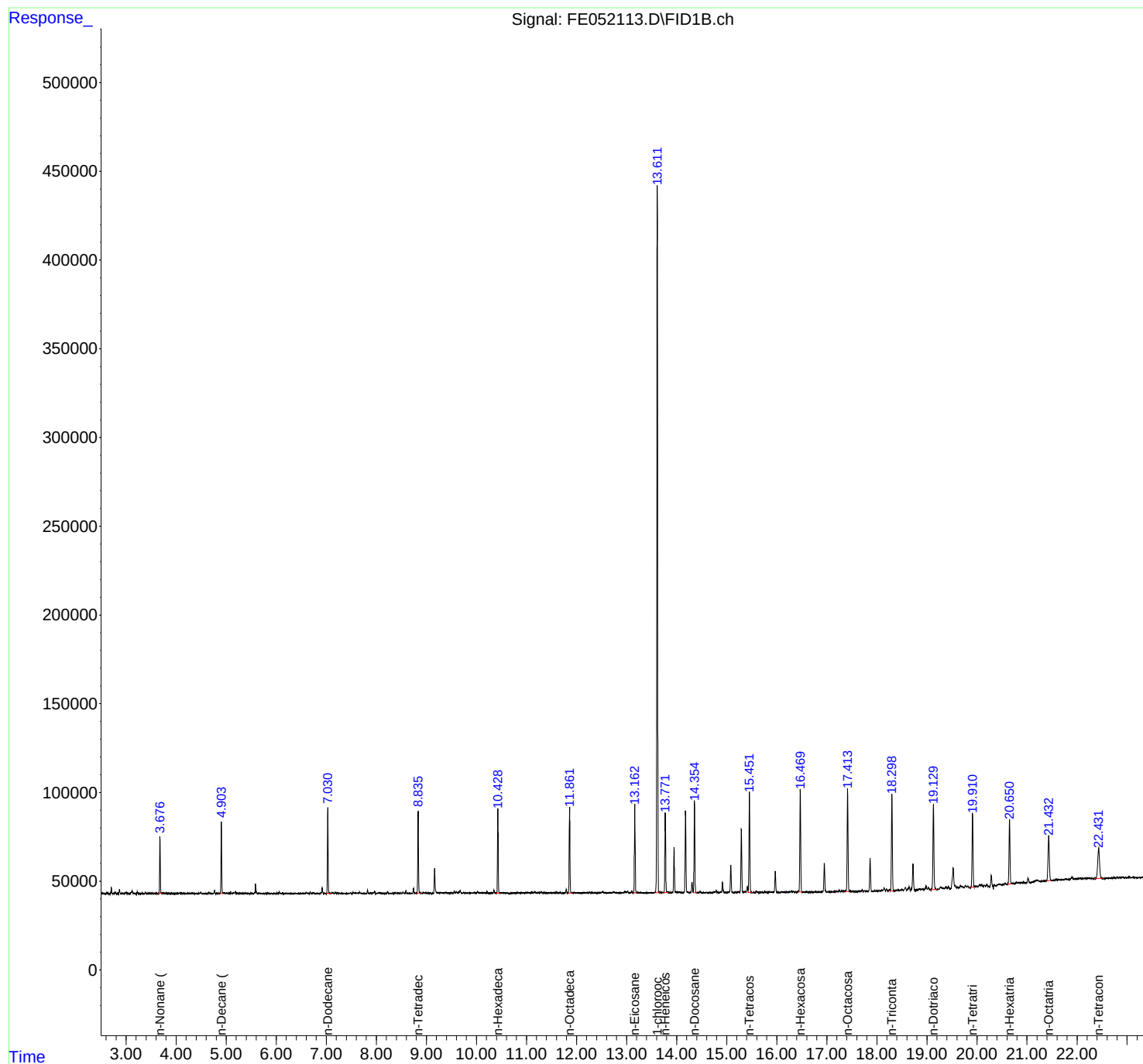
Instrument :
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LOQ-WATER-02-QT1-2025

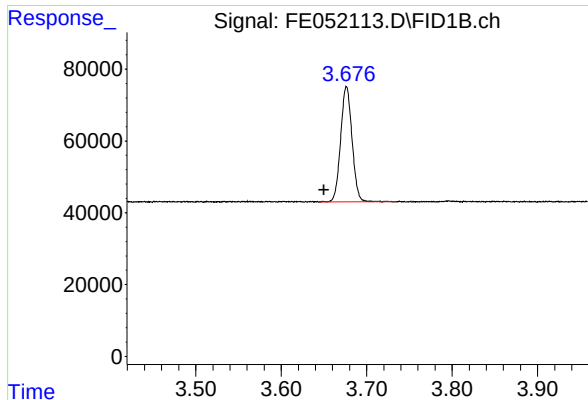
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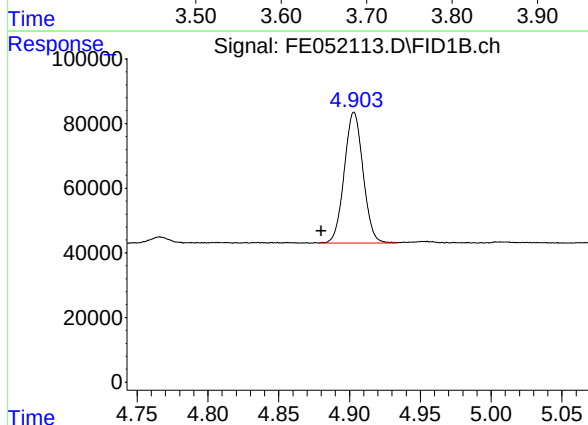
#1 n-Nonane (C9)

R.T.: 3.677 min
Delta R.T.: 0.027 min
Response: 297944
Conc: 2.79 ug/ml

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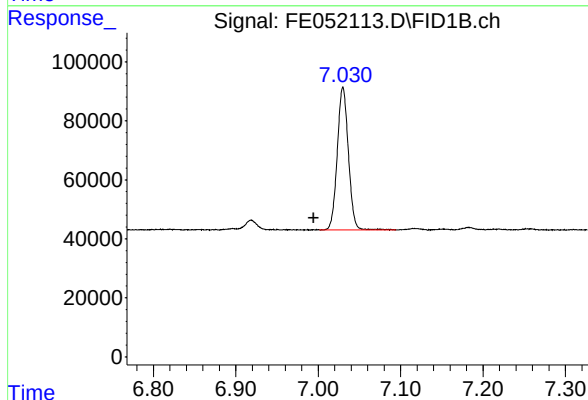
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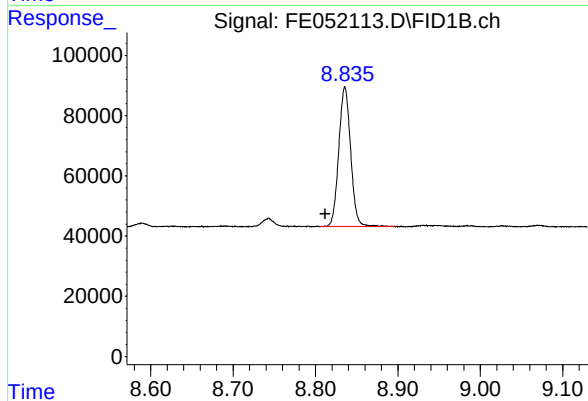
#2 n-Decane (C10)

R.T.: 4.903 min
Delta R.T.: 0.023 min
Response: 373443
Conc: 3.41 ug/ml m



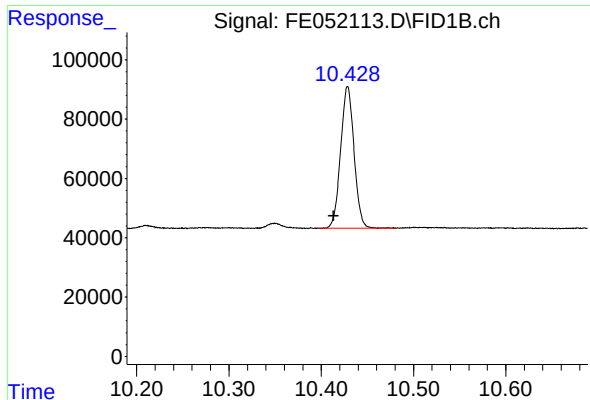
#4 n-Dodecane (C12)

R.T.: 7.030 min
Delta R.T.: 0.036 min
Response: 452221
Conc: 4.01 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.836 min
Delta R.T.: 0.023 min
Response: 462931
Conc: 3.98 ug/ml



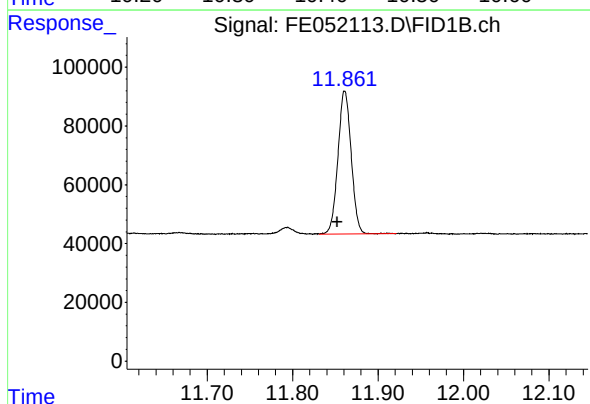
#7 n-Hexadecane (C16)

R.T.: 10.429 min
Delta R.T.: 0.015 min
Response: 482766
Conc: 3.83 ug/ml

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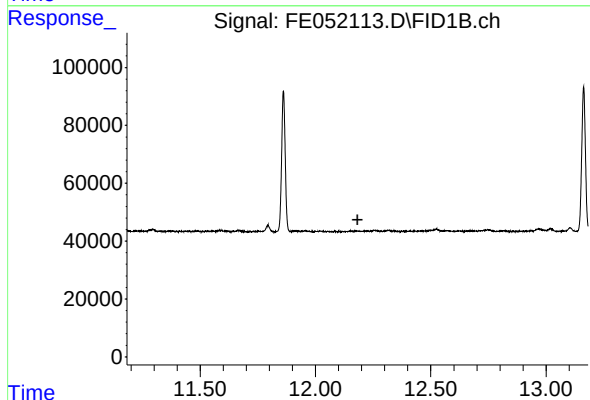
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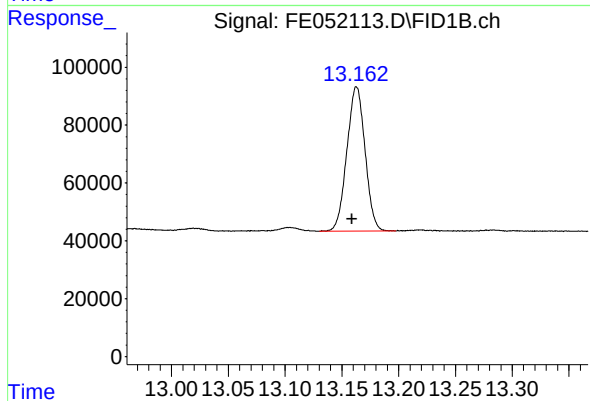
#8 n-Octadecane (C18)

R.T.: 11.861 min
Delta R.T.: 0.009 min
Response: 524269
Conc: 3.96 ug/ml



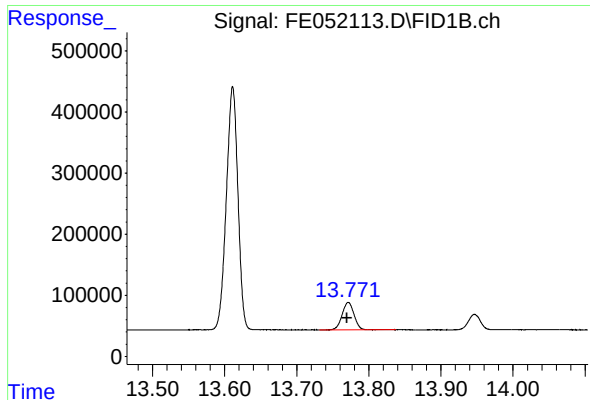
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.163 min
Delta R.T.: 0.004 min
Response: 554065
Conc: 4.23 ug/ml



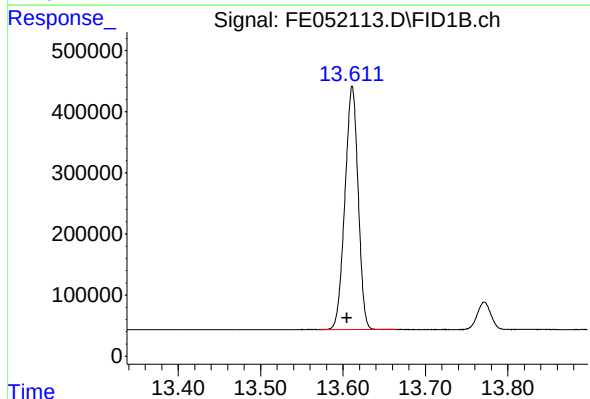
#11 n-Heneicosane (C21)

R.T.: 13.772 min
Delta R.T.: 0.002 min
Response: 515580
Conc: 3.96 ug/ml

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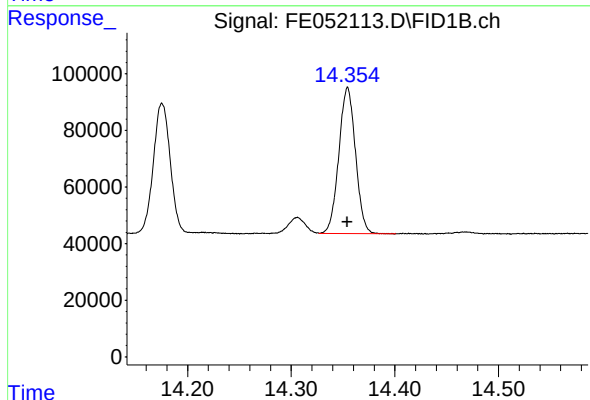
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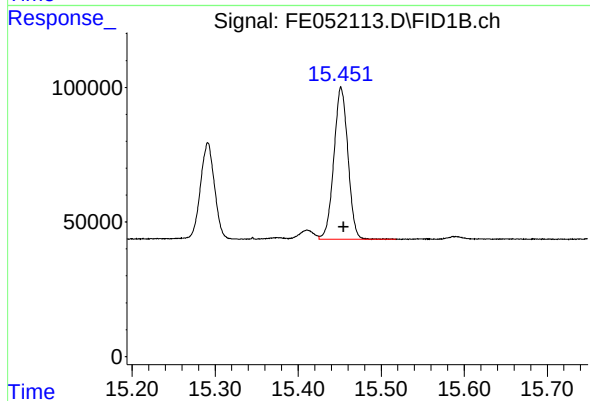
#12 1-chlorooctadecane (SURR)

R.T.: 13.611 min
Delta R.T.: 0.006 min
Response: 4437928
Conc: 38.69 ug/ml



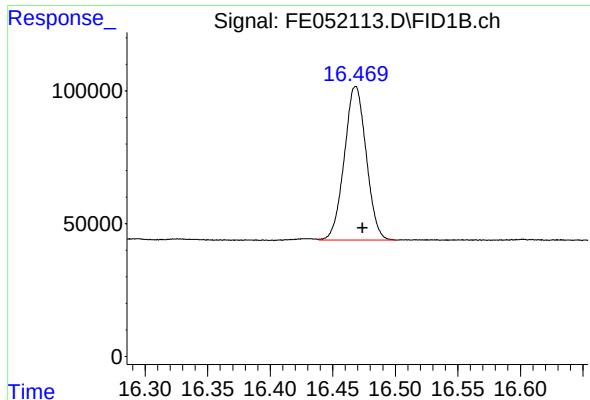
#13 n-Docosane (C22)

R.T.: 14.354 min
Delta R.T.: 0.000 min
Response: 577225
Conc: 4.40 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.452 min
Delta R.T.: -0.003 min
Response: 662559
Conc: 4.99 ug/ml



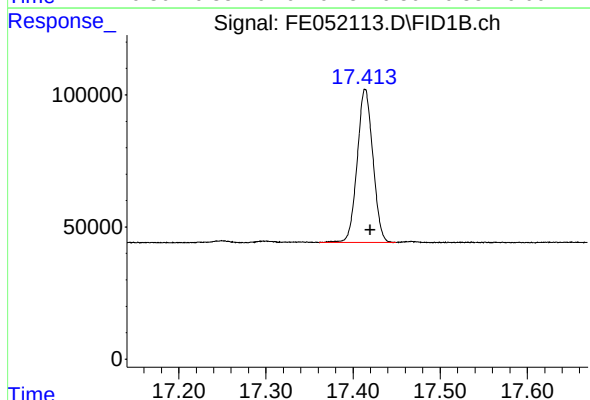
#15 n-Hexacosane (C26)

R.T.: 16.469 min
Delta R.T.: -0.005 min
Response: 703316
Conc: 5.32 ug/ml

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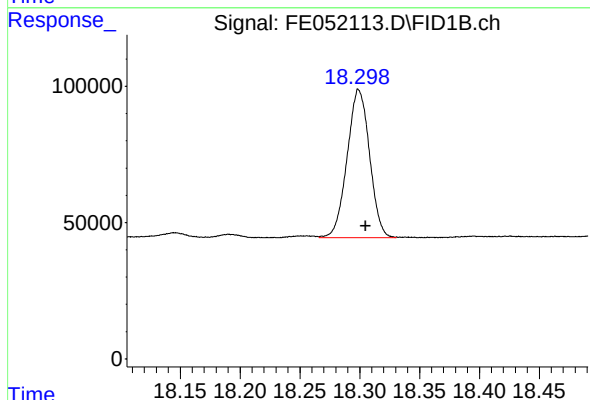
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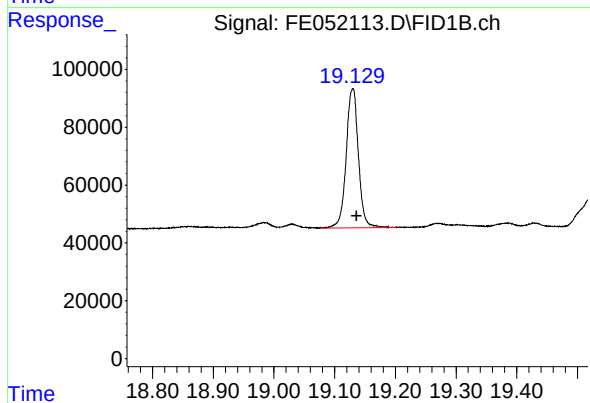
#16 n-Octacosane (C28)

R.T.: 17.414 min
Delta R.T.: -0.006 min
Response: 723015
Conc: 5.48 ug/ml



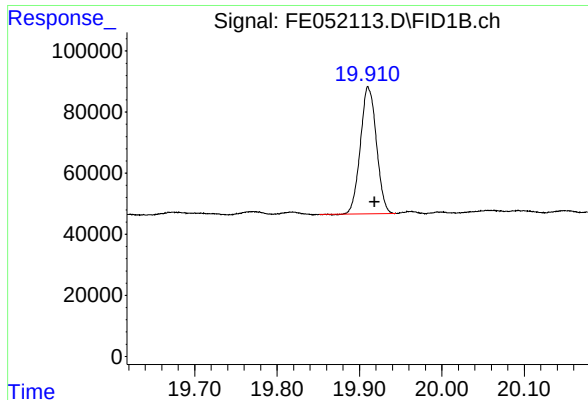
#17 n-Tricontane (C30)

R.T.: 18.298 min
Delta R.T.: -0.007 min
Response: 708278
Conc: 5.19 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 19.130 min
Delta R.T.: -0.006 min
Response: 672728
Conc: 5.13 ug/ml



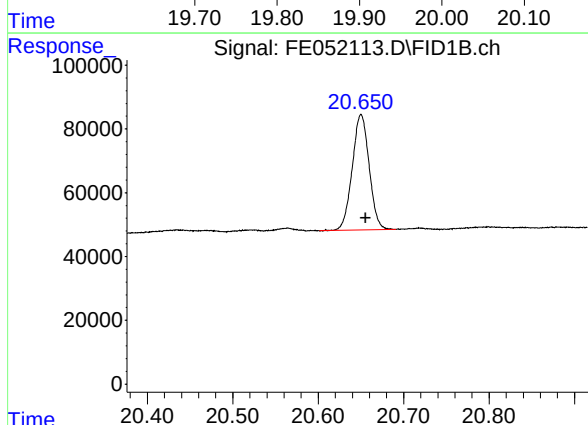
#19 n-Tetratriacontane (C34)

R.T.: 19.911 min
Delta R.T.: -0.007 min
Response: 562236
Conc: 4.99 ug/ml

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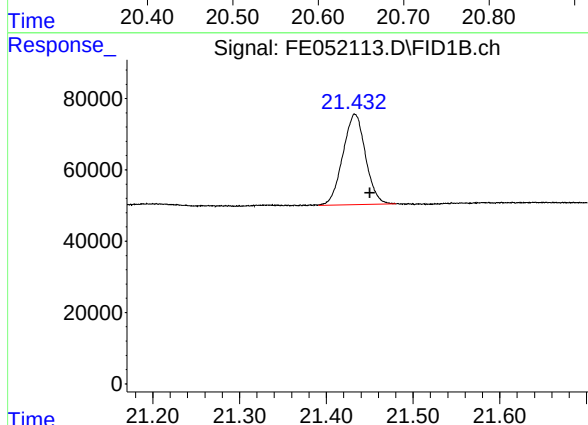
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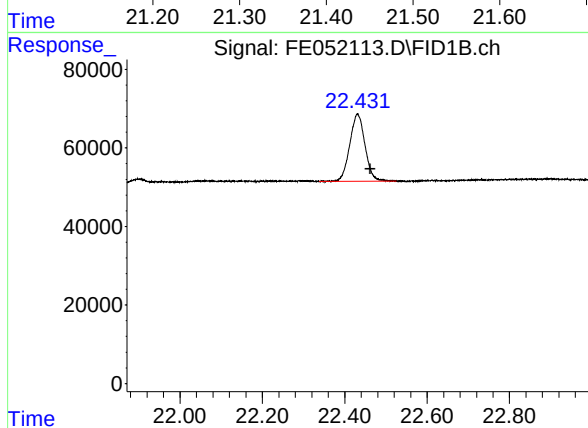
#20 n-Hexatriacontane (C36)

R.T.: 20.650 min
Delta R.T.: -0.006 min
Response: 497538
Conc: 5.24 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.432 min
Delta R.T.: -0.018 min
Response: 460309
Conc: 5.33 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.431 min
Delta R.T.: -0.031 min
Response: 437298
Conc: 5.31 ug/ml