

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012225AL\
 Data File : FE052001.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jan 2025 16:39
 Operator : YP\AJ
 Sample : Q1142-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PL-1-012125MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/23/2025
 Supervised By :Sohil Jodhani 01/24/2025

Integration File: autoint1.e
 Quant Time: Jan 23 03:59:56 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			
9) S ortho-Terphenyl (SURR)	12.203	3504413	24.519 ug/ml
Spiked Amount 50.000		Recovery =	49.04%
12) S 1-chlorooctadecane (S...	13.617	3030849	26.421 ug/ml
Spiked Amount 50.000		Recovery =	52.84%
Target Compounds			
1) T n-Nonane (C9)	3.685	3152154	29.567 ug/ml
2) T n-Decane (C10)	4.913	3630290	33.160 ug/ml
3) T A~Naphthalene (C11.7)	6.607	4732835	38.948 ug/mlm
4) T n-Dodecane (C12)	7.039	4097078	36.301 ug/ml
5) T A~2-methylnaphthalene...	7.686	4522477	37.882 ug/ml
6) T n-Tetradecane (C14)	8.846	4507932	38.758 ug/mlm
7) T n-Hexadecane (C16)	10.438	4638790	36.781 ug/mlm
8) T n-Octadecane (C18)	11.871	4728043	35.735 ug/ml
10) T n-Eicosane (C20)	13.173	4953318	37.784 ug/mlm
11) T n-Heneicosane (C21)	13.781	4615449	35.459 ug/ml
13) T n-Docosane (C22)	14.364	4685045	35.699 ug/ml
14) T n-Tetracosane (C24)	15.479	9813632	73.881 ug/mlm
15) T n-Hexacosane (C26)	16.480	4362143	33.000 ug/ml
16) T n-Octacosane (C28)	17.425	4292027	32.519 ug/ml
17) T n-Tricontane (C30)	18.311	4393573	32.225 ug/ml
18) T n-Dotriacontane (C32)	19.139	4378840	33.412 ug/ml
19) T n-Tetratriacontane (C34)	19.921	4180446	37.132 ug/mlm
20) T n-Hexatriacontane (C36)	20.660	4106737	43.237 ug/mlm
21) T n-Octatriacontane (C38)	21.445	4045560	46.833 ug/ml
22) T n-Tetracontane (C40)	22.447	4142194	50.263 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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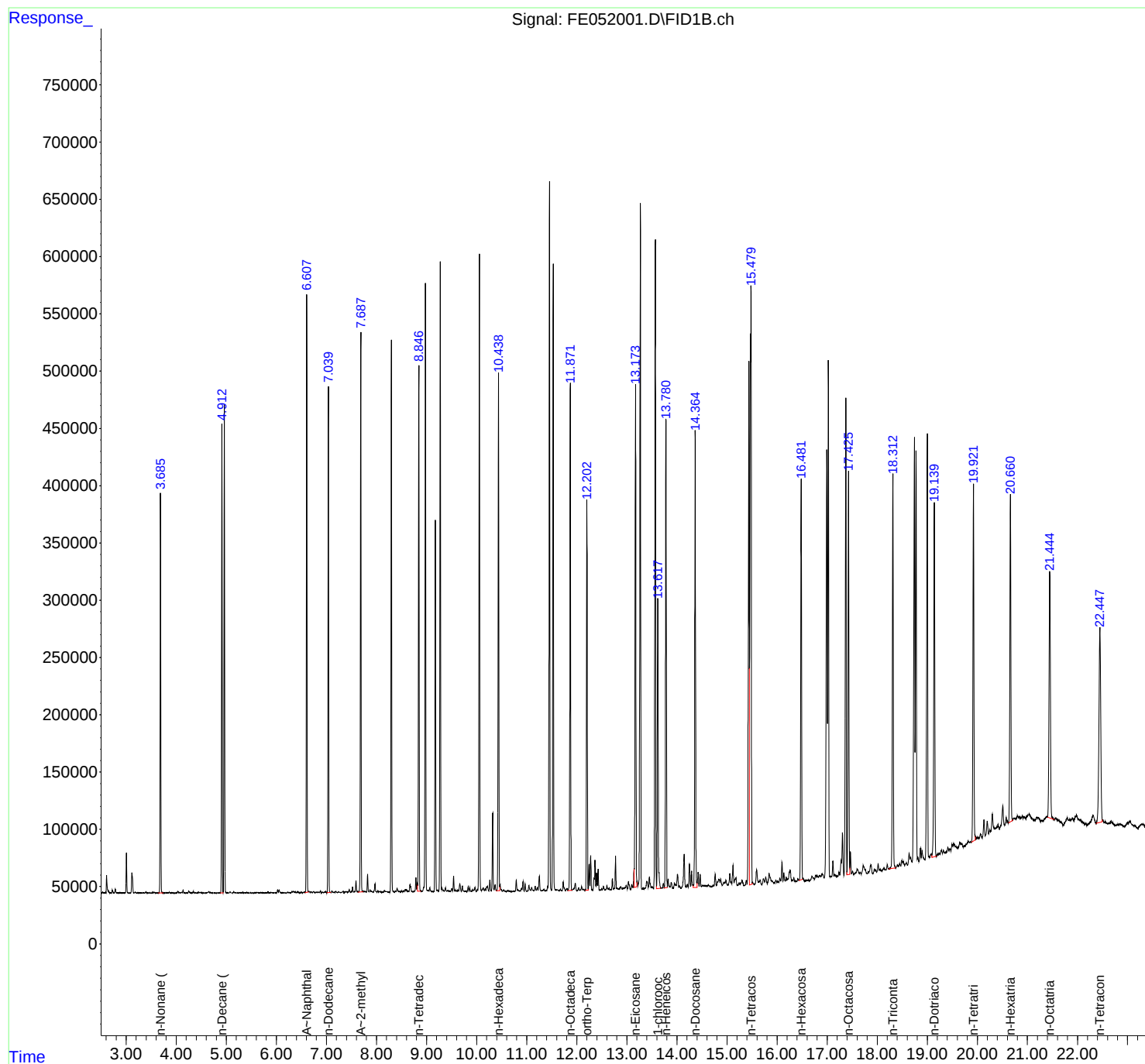
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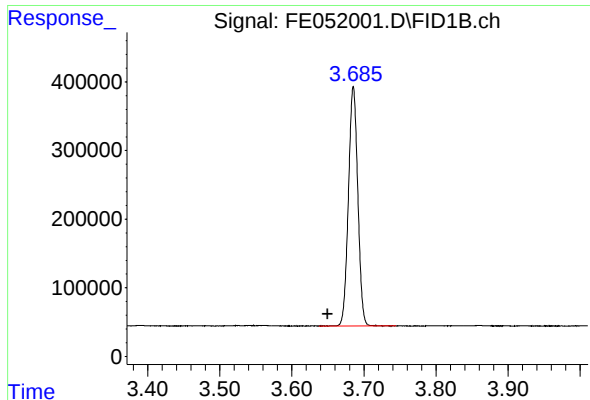
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#1 n-Nonane (C9)

R.T.: 3.685 min
Delta R.T.: 0.035 min
Response: 3152154
Conc: 29.57 ug/ml

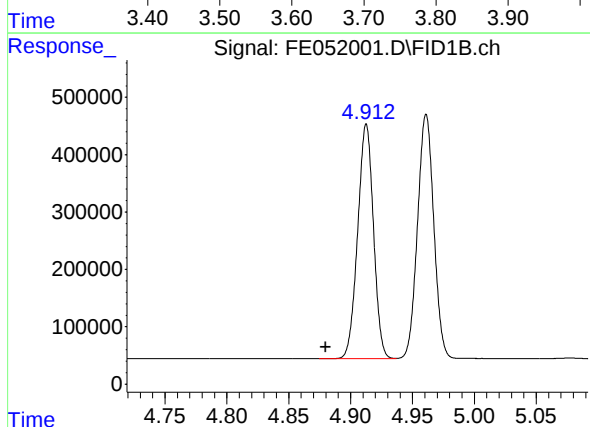
Instrument :

FID_E

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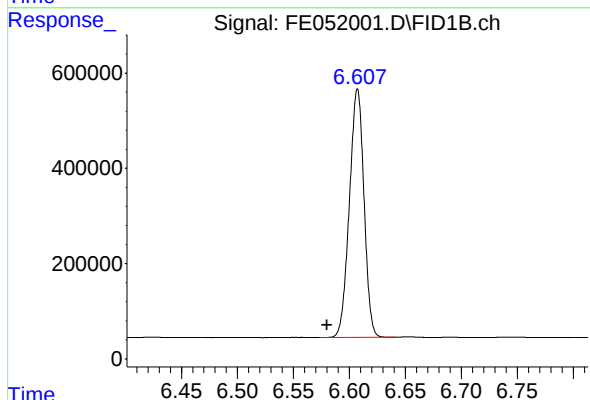
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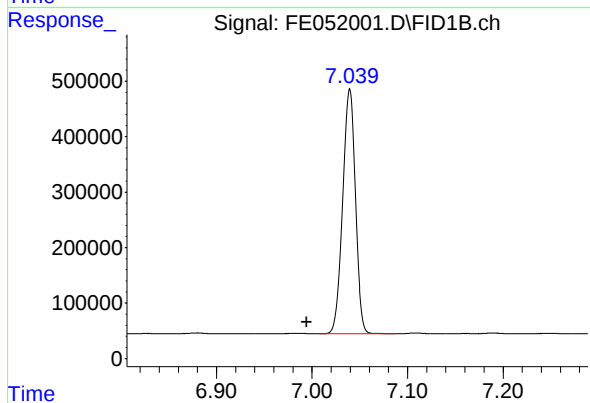
#2 n-Decane (C10)

R.T.: 4.913 min
Delta R.T.: 0.033 min
Response: 3630290
Conc: 33.16 ug/ml



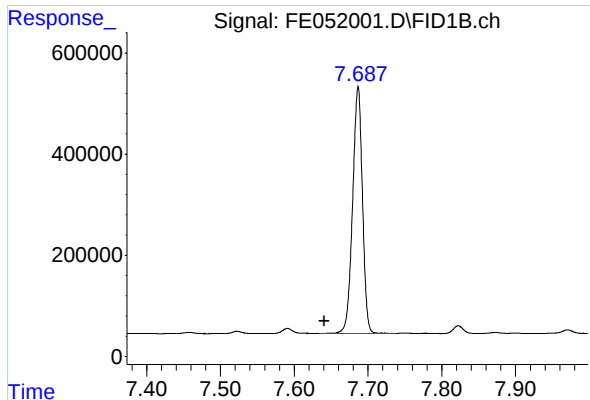
#3 A~Naphthalene (C11.7)

R.T.: 6.607 min
Delta R.T.: 0.027 min
Response: 4732835
Conc: 38.95 ug/ml m



#4 n-Dodecane (C12)

R.T.: 7.039 min
Delta R.T.: 0.045 min
Response: 4097078
Conc: 36.30 ug/ml



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

R.T.: 7.686 min
Delta R.T.: 0.046 min
Response: 4522477
Conc: 37.88 ug/ml

Instrument :

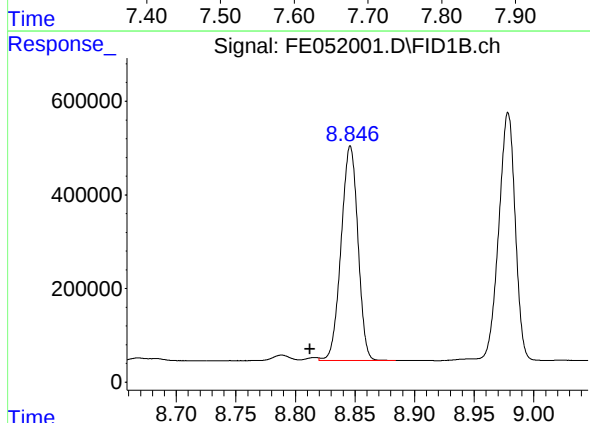
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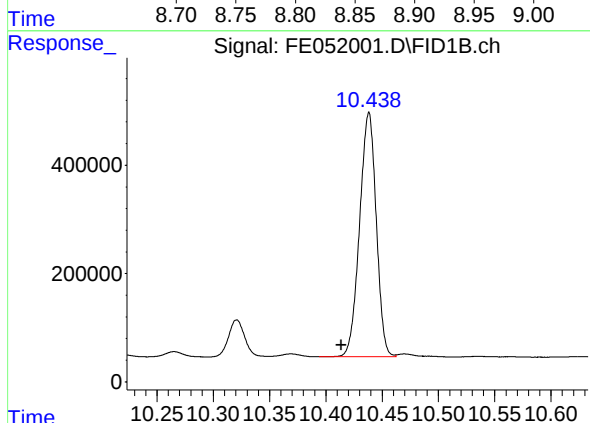
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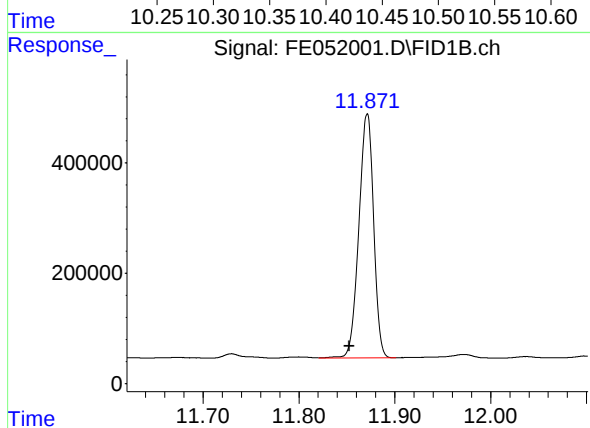
#6 n-Tetradecane (C14)

R.T.: 8.846 min
Delta R.T.: 0.033 min
Response: 4507932
Conc: 38.76 ug/ml m



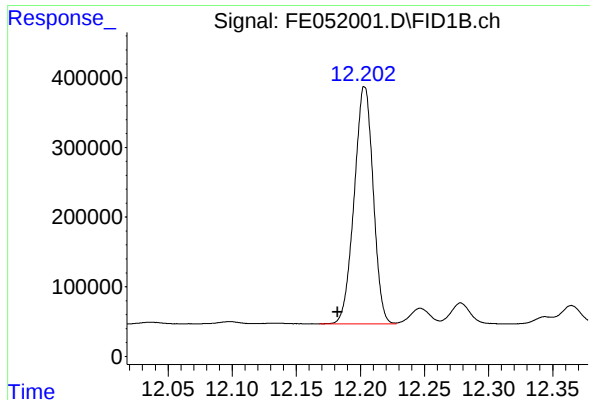
#7 n-Hexadecane (C16)

R.T.: 10.438 min
Delta R.T.: 0.025 min
Response: 4638790
Conc: 36.78 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.871 min
Delta R.T.: 0.019 min
Response: 4728043
Conc: 35.74 ug/ml



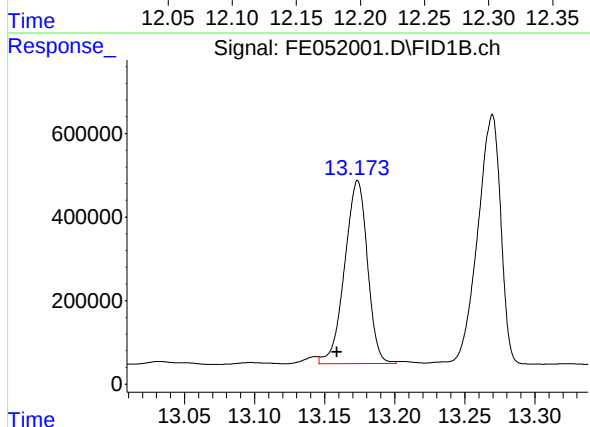
#9 ortho-Terphenyl (SURR)

R.T.: 12.203 min
Delta R.T.: 0.021 min
Response: 3504413
Conc: 24.52 ug/ml

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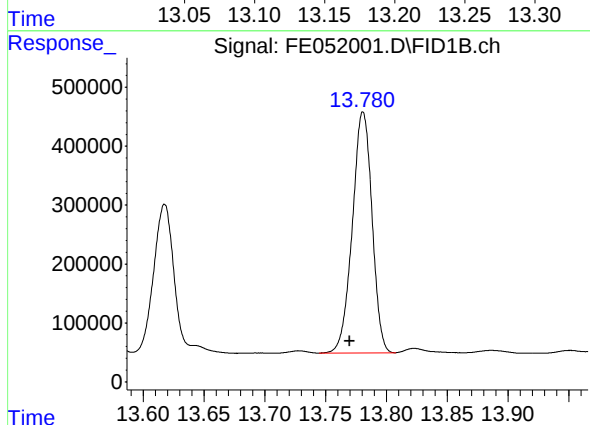
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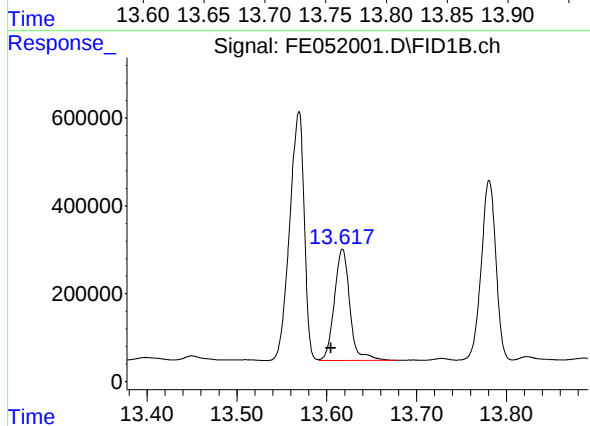
#10 n-Eicosane (C20)

R.T.: 13.173 min
Delta R.T.: 0.014 min
Response: 4953318
Conc: 37.78 ug/ml



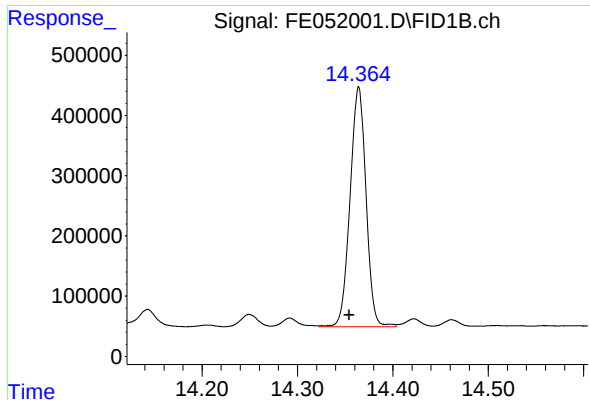
#11 n-Heneicosane (C21)

R.T.: 13.781 min
Delta R.T.: 0.011 min
Response: 4615449
Conc: 35.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.617 min
Delta R.T.: 0.013 min
Response: 3030849
Conc: 26.42 ug/ml



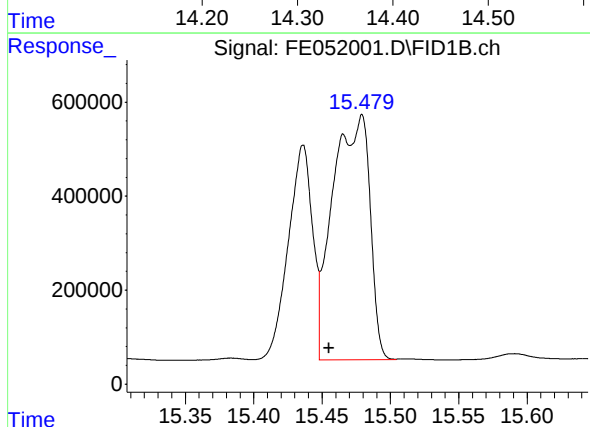
#13 n-Docosane (C22)

R.T.: 14.364 min
Delta R.T.: 0.010 min
Response: 4685045
Conc: 35.70 ug/ml

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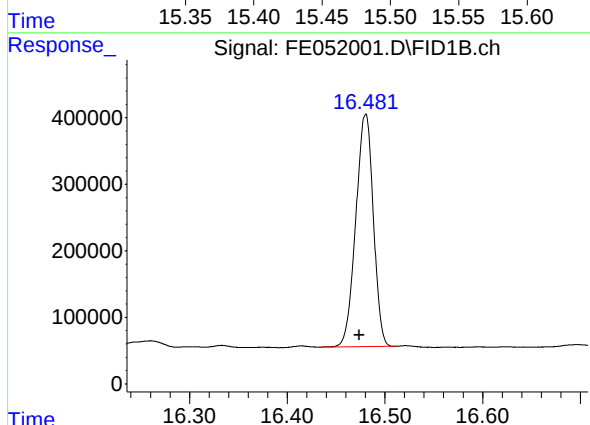
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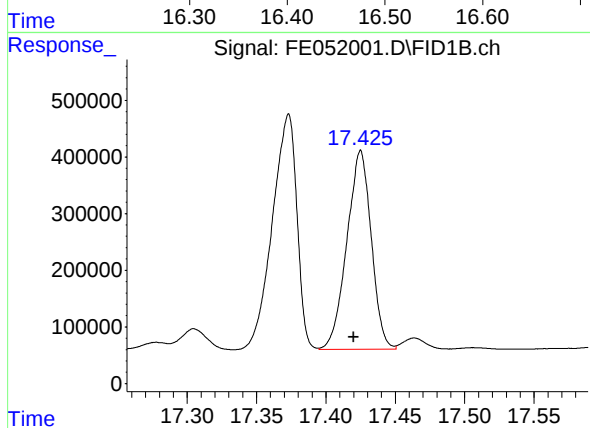
#14 n-Tetracosane (C24)

R.T.: 15.479 min
Delta R.T.: 0.024 min
Response: 9813632
Conc: 73.88 ug/ml m



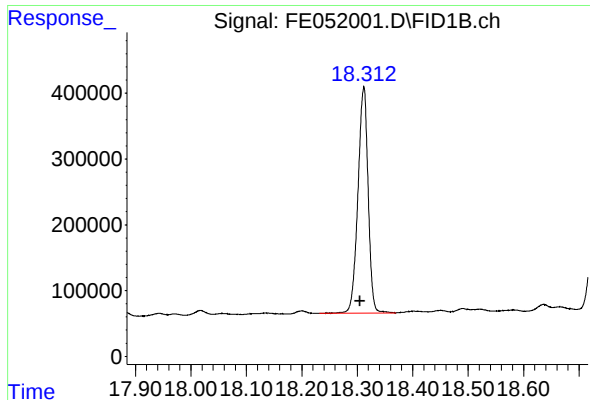
#15 n-Hexacosane (C26)

R.T.: 16.480 min
Delta R.T.: 0.006 min
Response: 4362143
Conc: 33.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.425 min
Delta R.T.: 0.005 min
Response: 4292027
Conc: 32.52 ug/ml



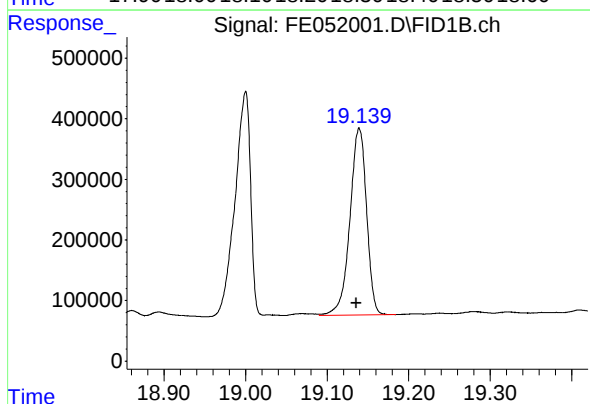
#17 n-Tricontane (C30)

R.T.: 18.311 min
Delta R.T.: 0.006 min
Response: 4393573
Conc: 32.22 ug/ml

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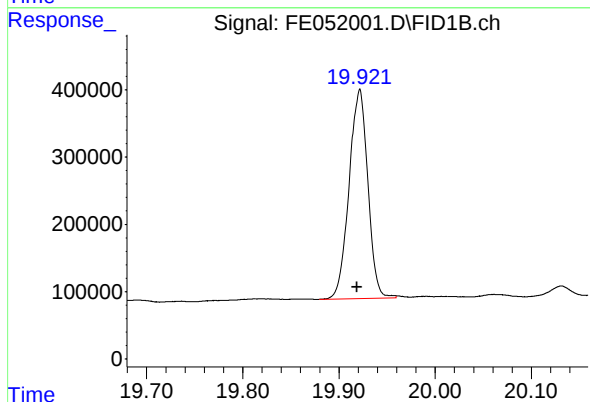
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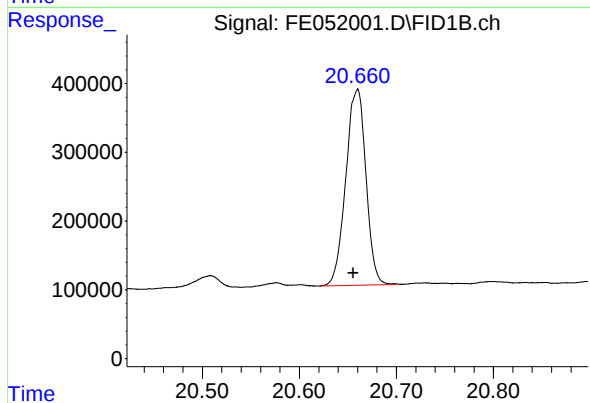
#18 n-Dotriacontane (C32)

R.T.: 19.139 min
Delta R.T.: 0.004 min
Response: 4378840
Conc: 33.41 ug/ml



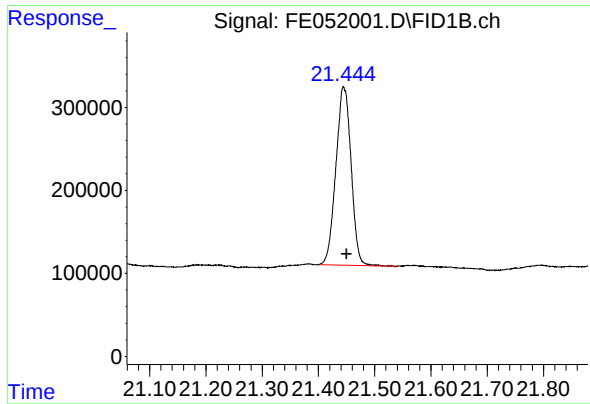
#19 n-Tetratriacontane (C34)

R.T.: 19.921 min
Delta R.T.: 0.003 min
Response: 4180446
Conc: 37.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.660 min
Delta R.T.: 0.004 min
Response: 4106737
Conc: 43.24 ug/ml m



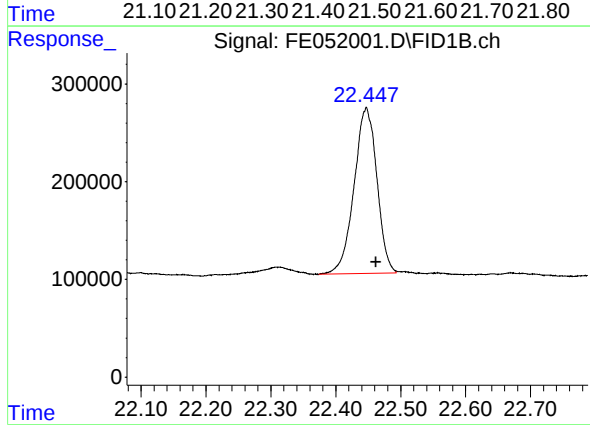
#21 n-Octatriacontane (C38)

R.T.: 21.445 min
Delta R.T.: -0.005 min
Response: 4045560
Conc: 46.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.447 min
Delta R.T.: -0.015 min
Response: 4142194
Conc: 50.26 ug/ml m