

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052108.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 16:58
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-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 03:05:36 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...	13.614	5321290	46.387 ug/ml
Spiked Amount 50.000		Recovery =	92.77%
Target Compounds			
1) T n-Nonane (C9)	3.679	149760	1.405 ug/ml
2) T n-Decane (C10)	4.905	196299	1.793 ug/ml
4) T n-Dodecane (C12)	7.032	258181	2.288 ug/ml
6) T n-Tetradecane (C14)	8.837	252824	2.174 ug/ml
7) T n-Hexadecane (C16)	10.431	267890	2.124 ug/ml
8) T n-Octadecane (C18)	11.863	305829	2.312 ug/ml
10) T n-Eicosane (C20)	13.165	341367	2.604 ug/ml
11) T n-Heneicosane (C21)	13.773	309168	2.375 ug/ml
13) T n-Docosane (C22)	14.357	383915	2.925 ug/ml
14) T n-Tetracosane (C24)	15.455	534665	4.025 ug/ml
15) T n-Hexacosane (C26)	16.470	575336	4.352 ug/mlm
16) T n-Octacosane (C28)	17.417	622998	4.720 ug/ml
17) T n-Tricontane (C30)	18.302	645351	4.733 ug/ml
18) T n-Dotriacontane (C32)	19.132	622810	4.752 ug/ml
19) T n-Tetratriacontane (C34)	19.913	489561	4.348 ug/mlm
20) T n-Hexatriacontane (C36)	20.653	422517	4.448 ug/mlm
21) T n-Octatriacontane (C38)	21.434	345895	4.004 ug/mlm
22) T n-Tetracontane (C40)	22.436	327273	3.971 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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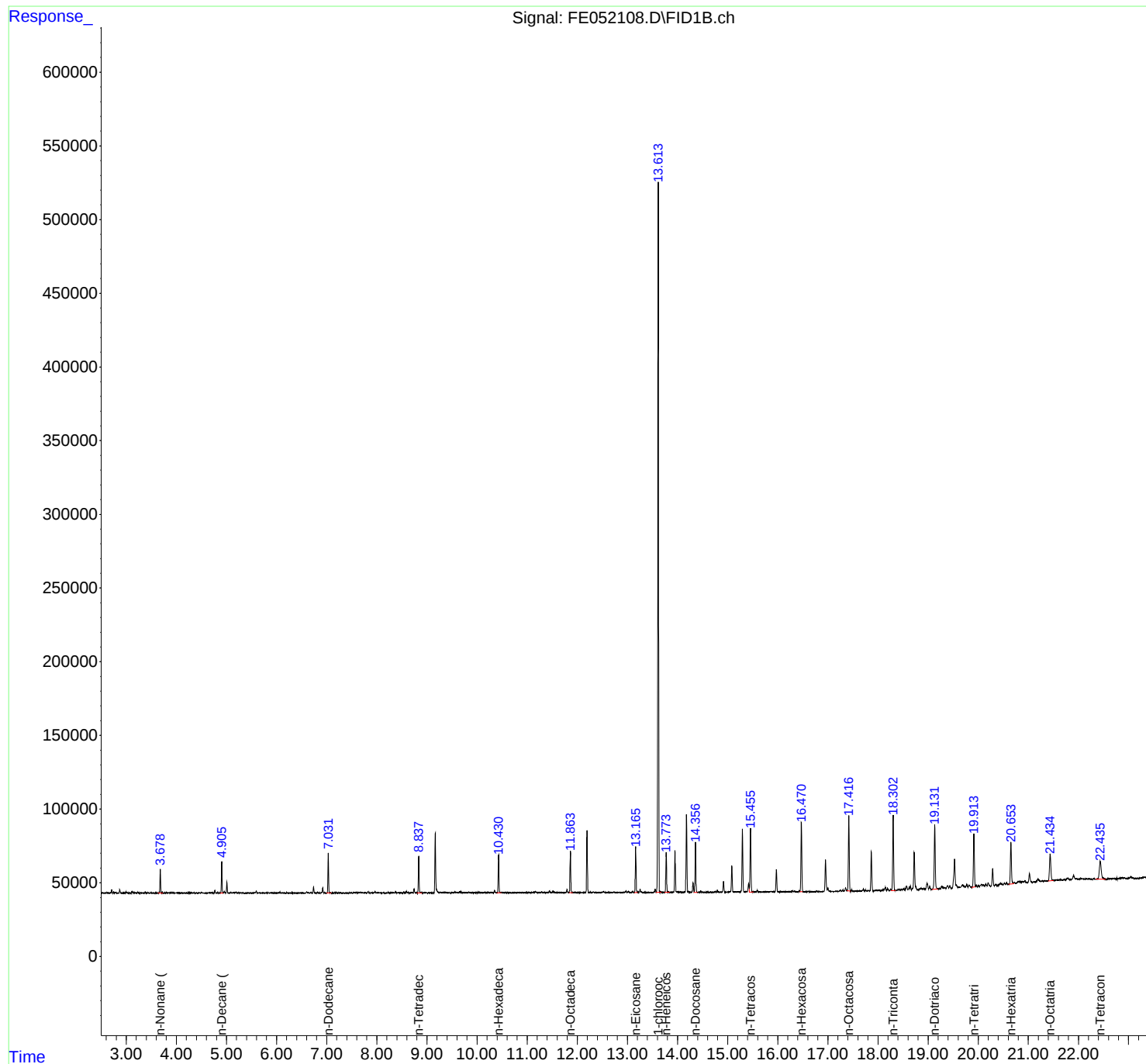
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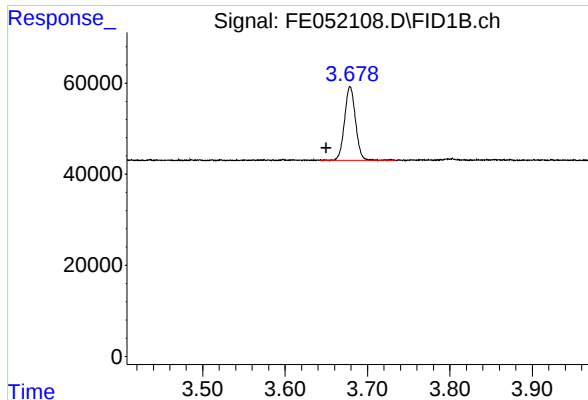
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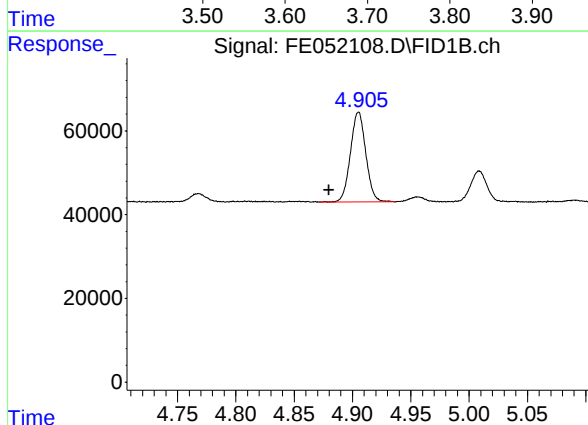
#1 n-Nonane (C9)

R.T.: 3.679 min
Delta R.T.: 0.029 min
Response: 149760
Conc: 1.40 ug/ml

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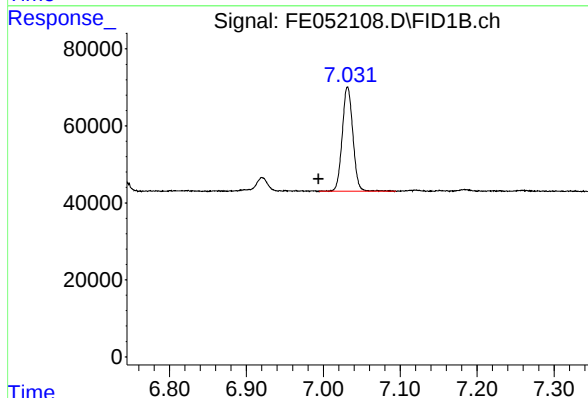
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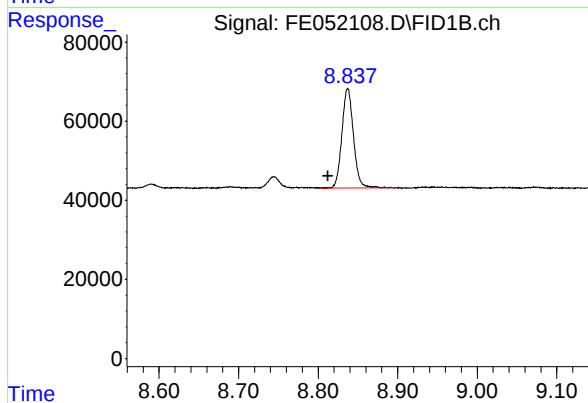
#2 n-Decane (C10)

R.T.: 4.905 min
Delta R.T.: 0.025 min
Response: 196299
Conc: 1.79 ug/ml



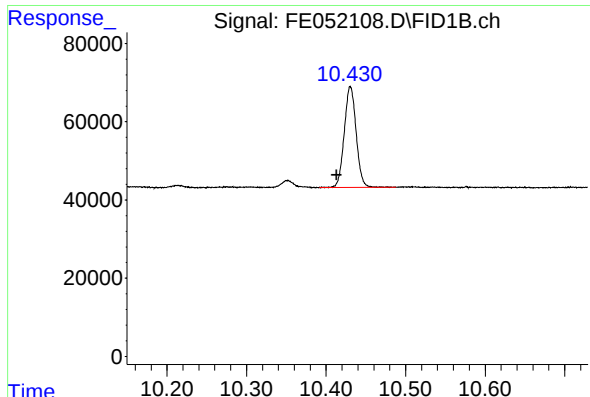
#4 n-Dodecane (C12)

R.T.: 7.032 min
Delta R.T.: 0.038 min
Response: 258181
Conc: 2.29 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.837 min
Delta R.T.: 0.025 min
Response: 252824
Conc: 2.17 ug/ml



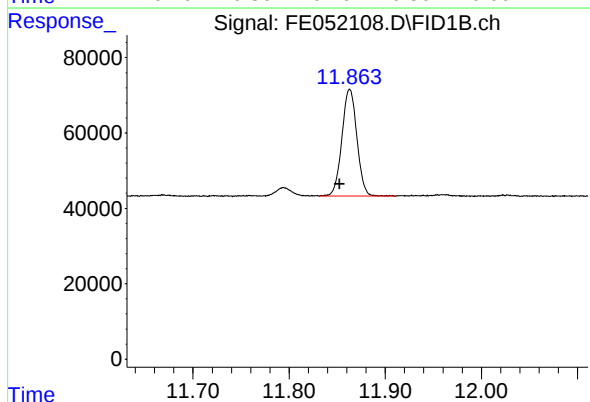
#7 n-Hexadecane (C16)

R.T.: 10.431 min
Delta R.T.: 0.017 min
Response: 267890
Conc: 2.12 ug/ml

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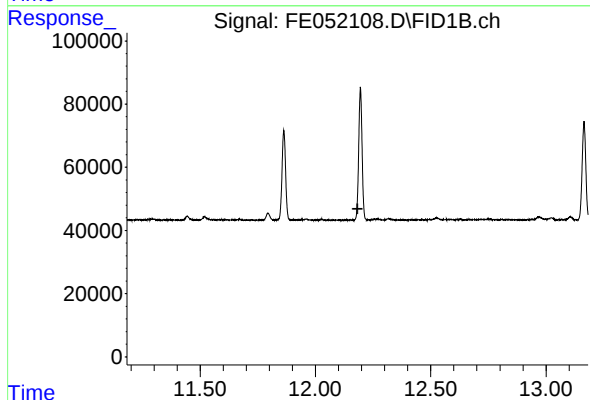
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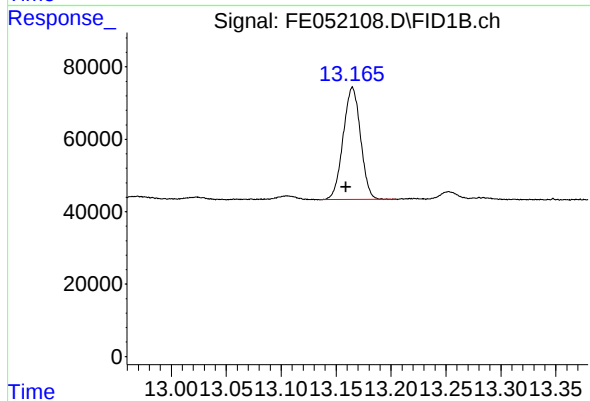
#8 n-Octadecane (C18)

R.T.: 11.863 min
Delta R.T.: 0.011 min
Response: 305829
Conc: 2.31 ug/ml



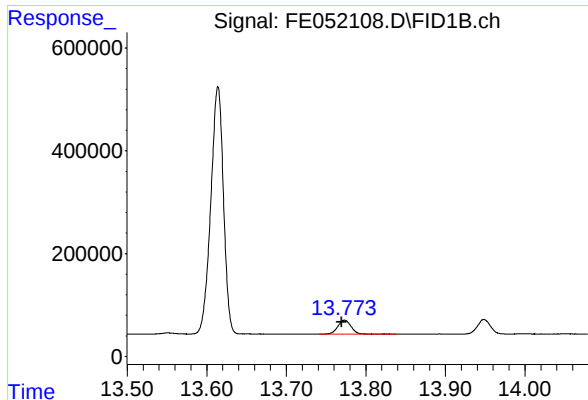
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.165 min
Delta R.T.: 0.006 min
Response: 341367
Conc: 2.60 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.773 min
Delta R.T.: 0.004 min
Response: 309168
Conc: 2.38 ug/ml

Instrument :

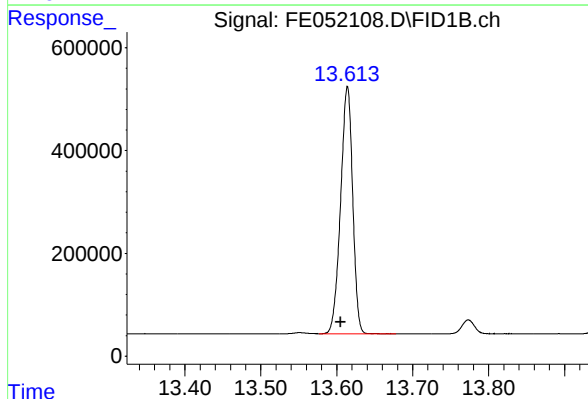
FID_E

ClientSampleId :

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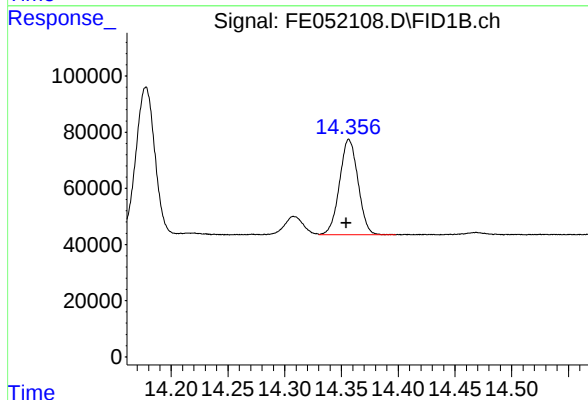
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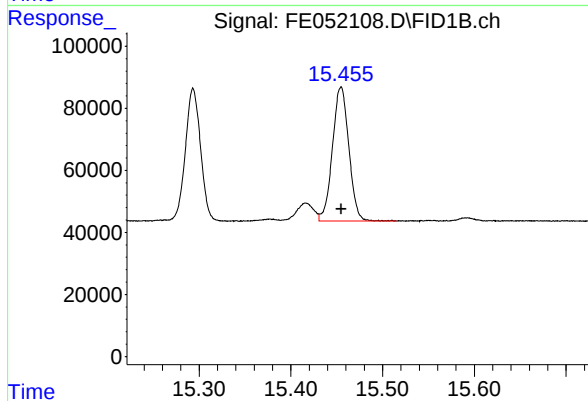
#12 1-chlorooctadecane (SURR)

R.T.: 13.614 min
Delta R.T.: 0.009 min
Response: 5321290
Conc: 46.39 ug/ml



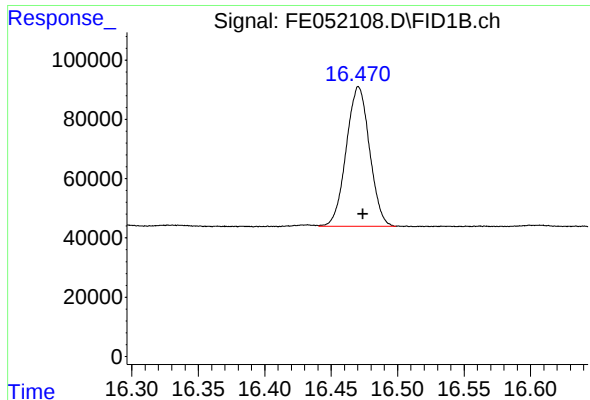
#13 n-Docosane (C22)

R.T.: 14.357 min
Delta R.T.: 0.003 min
Response: 383915
Conc: 2.93 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.455 min
Delta R.T.: 0.000 min
Response: 534665
Conc: 4.03 ug/ml



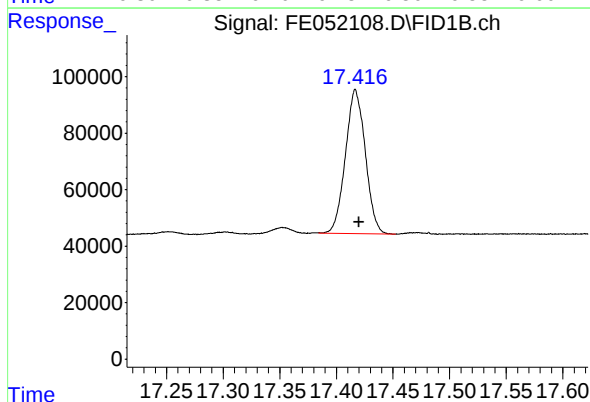
#15 n-Hexacosane (C26)

R.T.: 16.470 min
Delta R.T.: -0.004 min
Response: 575336
Conc: 4.35 ug/ml

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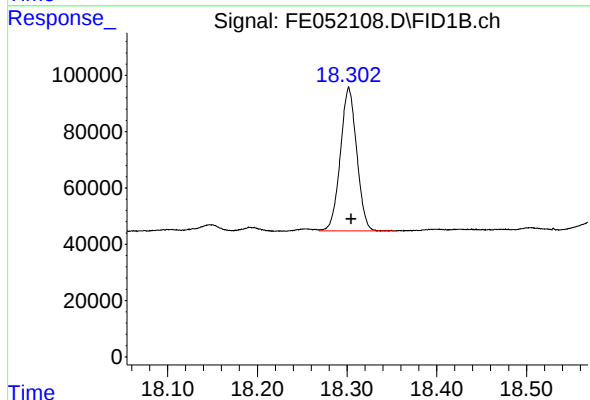
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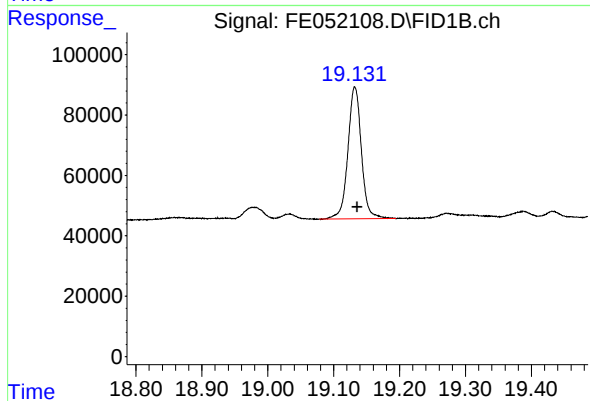
#16 n-Octacosane (C28)

R.T.: 17.417 min
Delta R.T.: -0.003 min
Response: 622998
Conc: 4.72 ug/ml



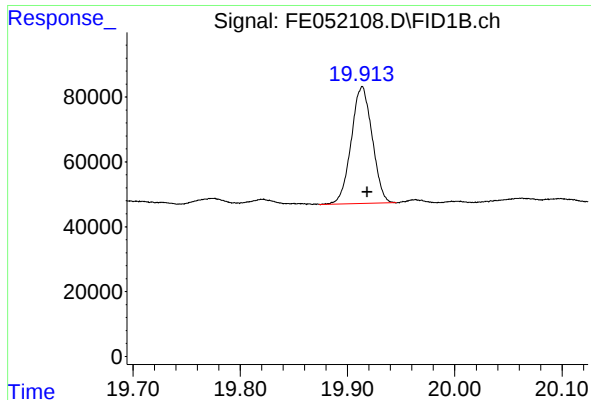
#17 n-Tricontane (C30)

R.T.: 18.302 min
Delta R.T.: -0.003 min
Response: 645351
Conc: 4.73 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 19.132 min
Delta R.T.: -0.004 min
Response: 622810
Conc: 4.75 ug/ml



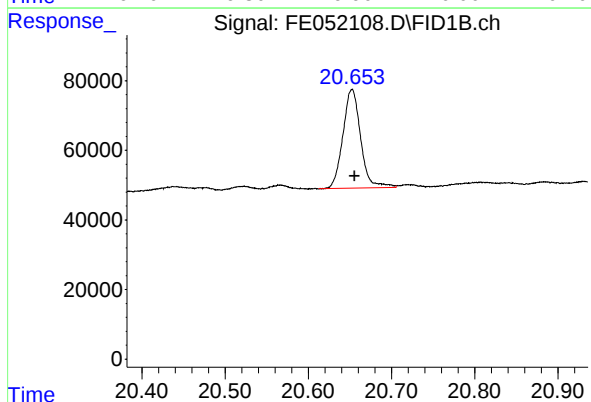
#19 n-Tetratriacontane (C34)

R.T.: 19.913 min
Delta R.T.: -0.005 min
Response: 489561
Conc: 4.35 ug/ml

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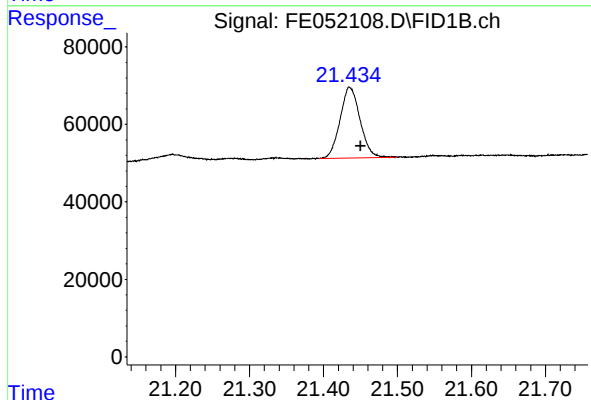
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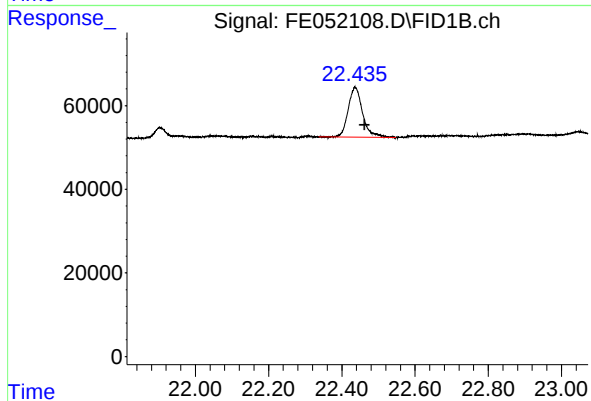
#20 n-Hexatriacontane (C36)

R.T.: 20.653 min
Delta R.T.: -0.003 min
Response: 422517
Conc: 4.45 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.434 min
Delta R.T.: -0.016 min
Response: 345895
Conc: 4.00 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.436 min
Delta R.T.: -0.026 min
Response: 327273
Conc: 3.97 ug/ml