

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052109.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 17:28
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 14 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 03:05:46 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...	13.612	4567470	39.816 ug/ml
Spiked Amount 50.000		Recovery =	79.63%
Target Compounds			
1) T n-Nonane (C9)	3.678	213535	2.003 ug/ml
2) T n-Decane (C10)	4.904	265611	2.426 ug/ml
4) T n-Dodecane (C12)	7.031	326462	2.892 ug/ml
6) T n-Tetradecane (C14)	8.837	342287	2.943 ug/ml
7) T n-Hexadecane (C16)	10.430	366554	2.906 ug/ml
8) T n-Octadecane (C18)	11.863	408434	3.087 ug/ml
10) T n-Eicosane (C20)	13.164	448844	3.424 ug/ml
11) T n-Heneicosane (C21)	13.772	413022	3.173 ug/ml
13) T n-Docosane (C22)	14.356	482970	3.680 ug/ml
14) T n-Tetracosane (C24)	15.453	594985	4.479 ug/ml
15) T n-Hexacosane (C26)	16.469	630603	4.771 ug/mlm
16) T n-Octacosane (C28)	17.416	653828	4.954 ug/ml
17) T n-Tricontane (C30)	18.300	657453	4.822 ug/mlm
18) T n-Dotriacontane (C32)	19.131	624233	4.763 ug/ml
19) T n-Tetratriacontane (C34)	19.913	511184	4.540 ug/ml
20) T n-Hexatriacontane (C36)	20.652	430231	4.530 ug/ml
21) T n-Octatriacontane (C38)	21.435	392516	4.544 ug/mlm
22) T n-Tetracontane (C40)	22.434	368110	4.467 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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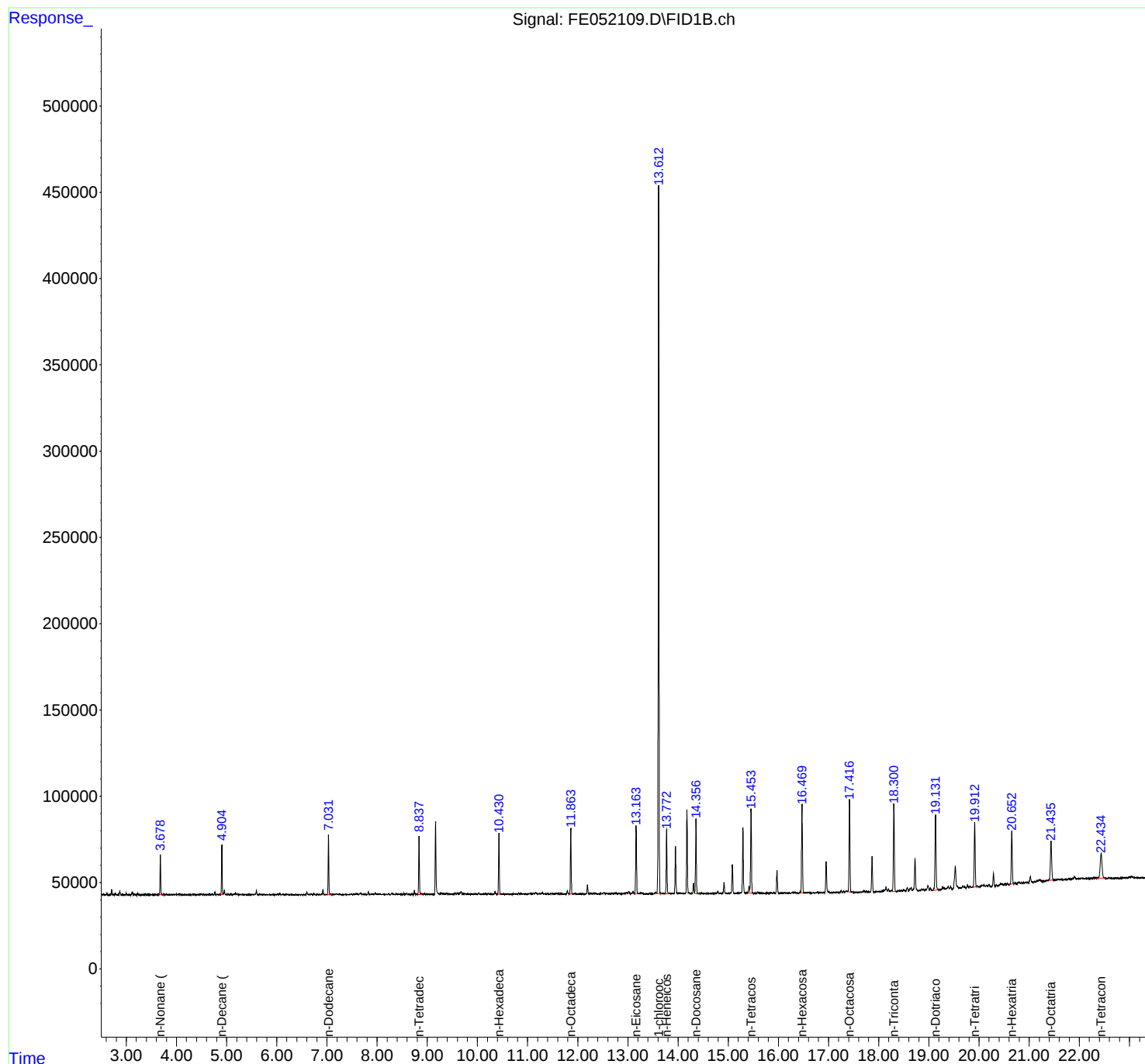
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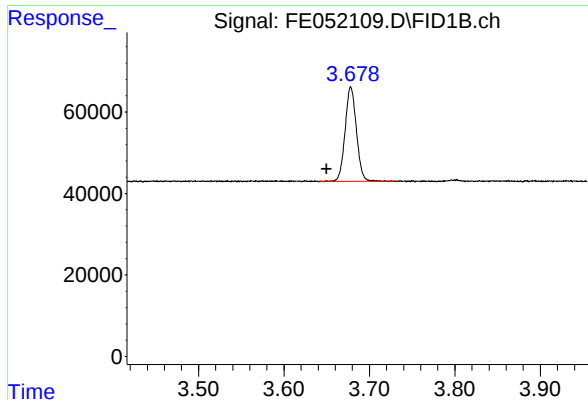
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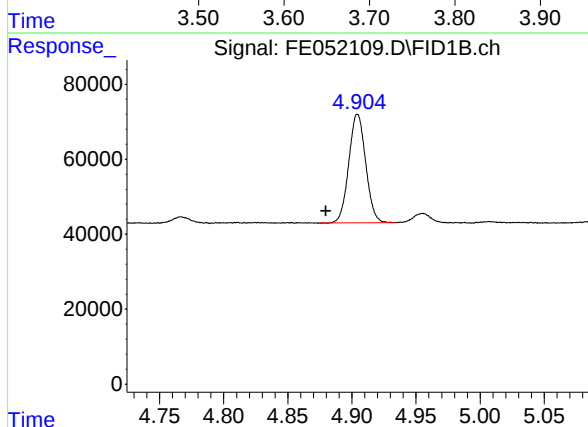
#1 n-Nonane (C9)

R.T.: 3.678 min
Delta R.T.: 0.028 min
Response: 213535
Conc: 2.00 ug/ml

Instrument :
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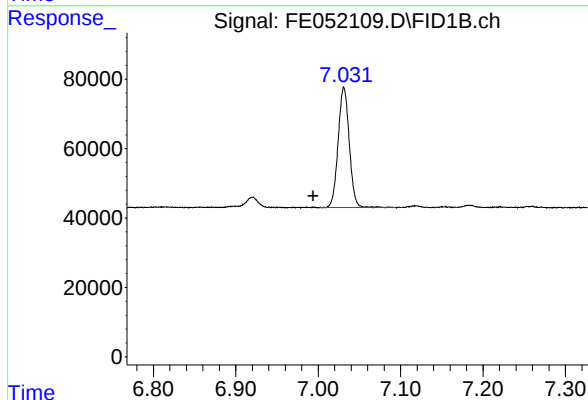
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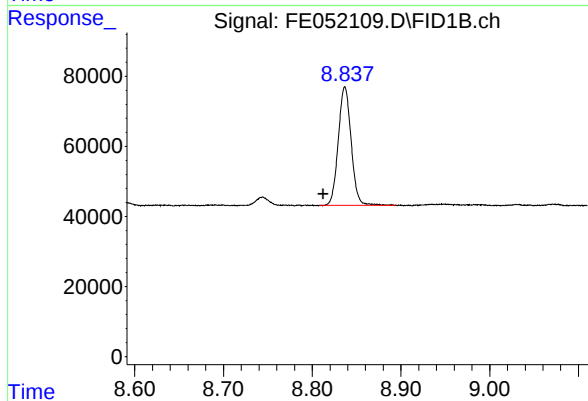
#2 n-Decane (C10)

R.T.: 4.904 min
Delta R.T.: 0.024 min
Response: 265611
Conc: 2.43 ug/ml



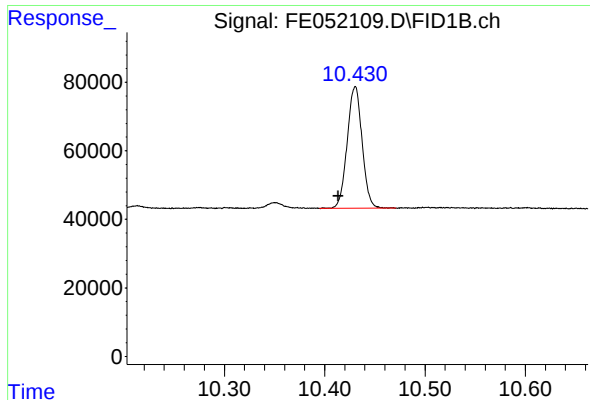
#4 n-Dodecane (C12)

R.T.: 7.031 min
Delta R.T.: 0.037 min
Response: 326462
Conc: 2.89 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.837 min
Delta R.T.: 0.025 min
Response: 342287
Conc: 2.94 ug/ml



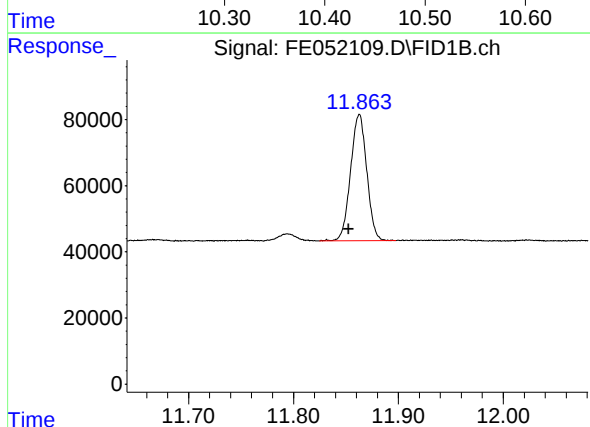
#7 n-Hexadecane (C16)

R.T.: 10.430 min
Delta R.T.: 0.017 min
Response: 366554
Conc: 2.91 ug/ml

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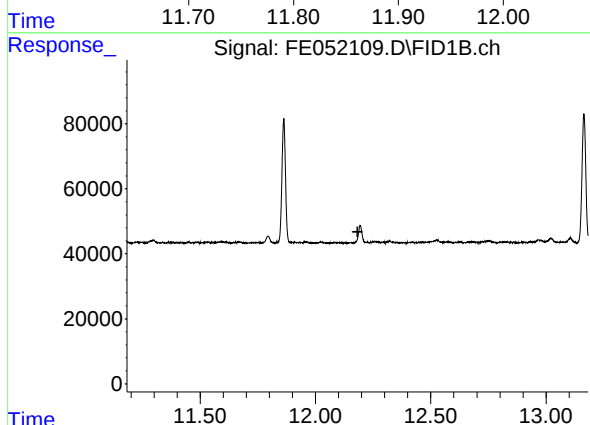
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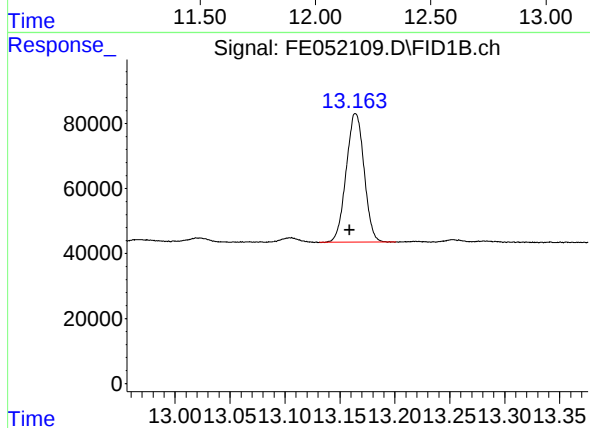
#8 n-Octadecane (C18)

R.T.: 11.863 min
Delta R.T.: 0.010 min
Response: 408434
Conc: 3.09 ug/ml



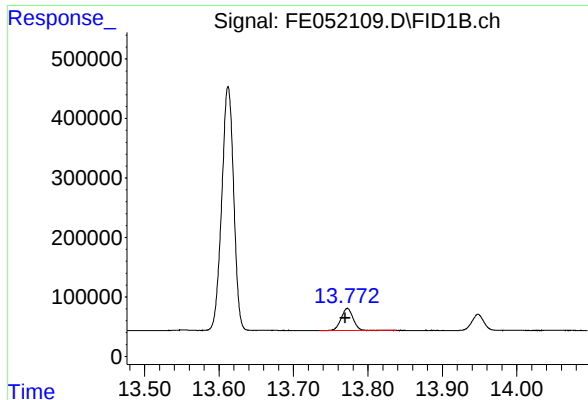
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 13.164 min
Delta R.T.: 0.006 min
Response: 448844
Conc: 3.42 ug/ml



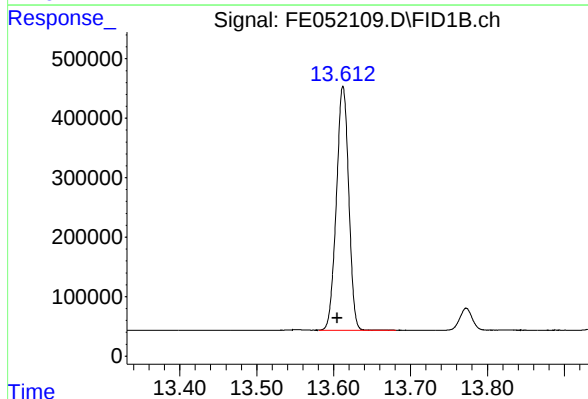
#11 n-Heneicosane (C21)

R.T.: 13.772 min
Delta R.T.: 0.003 min
Response: 413022
Conc: 3.17 ug/ml

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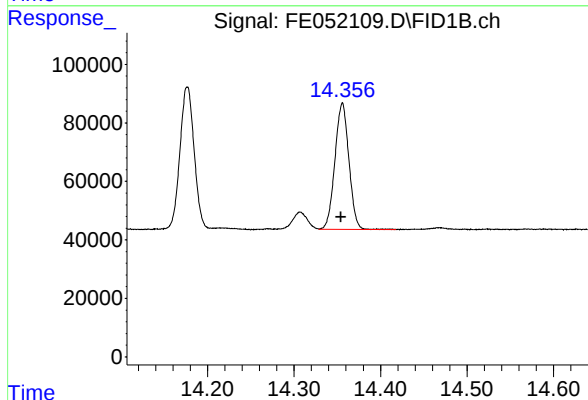
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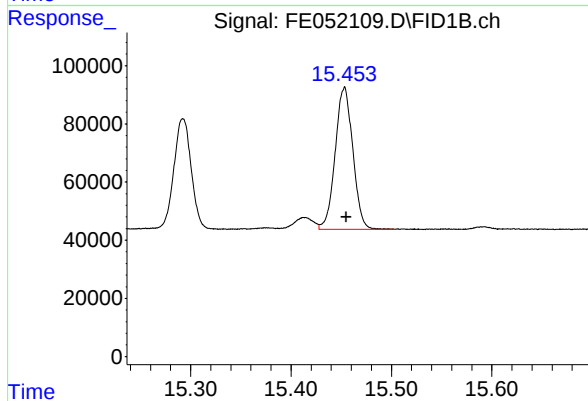
#12 1-chlorooctadecane (SURR)

R.T.: 13.612 min
Delta R.T.: 0.007 min
Response: 4567470
Conc: 39.82 ug/ml



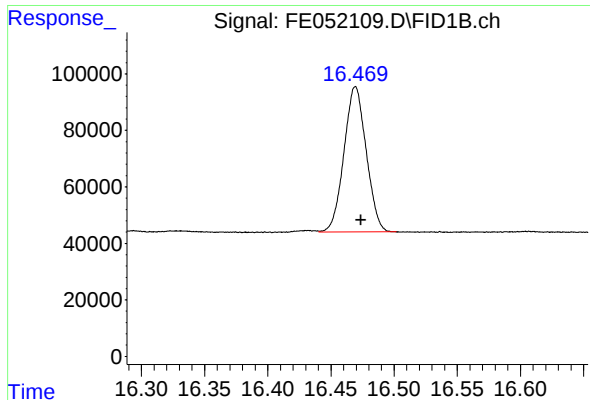
#13 n-Docosane (C22)

R.T.: 14.356 min
Delta R.T.: 0.002 min
Response: 482970
Conc: 3.68 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.453 min
Delta R.T.: -0.002 min
Response: 594985
Conc: 4.48 ug/ml



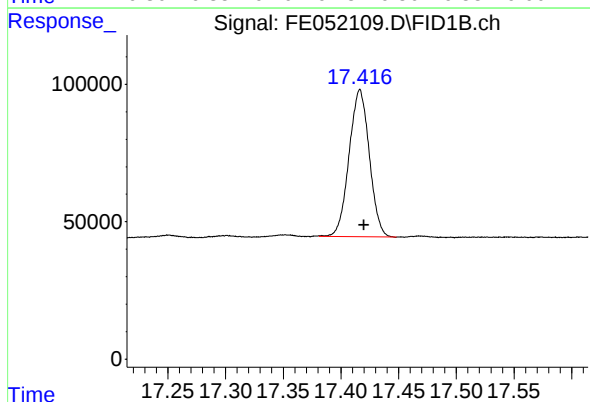
#15 n-Hexacosane (C26)

R.T.: 16.469 min
Delta R.T.: -0.004 min
Response: 630603
Conc: 4.77 ug/ml

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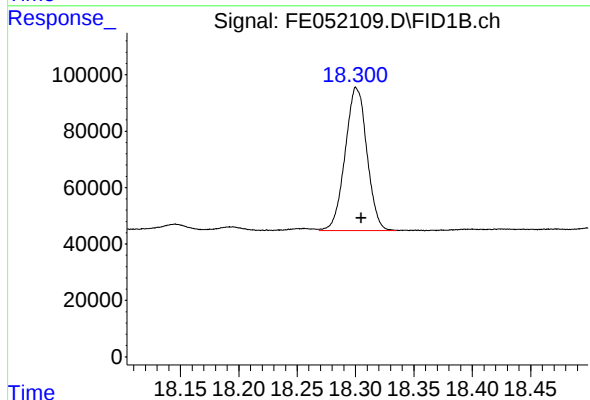
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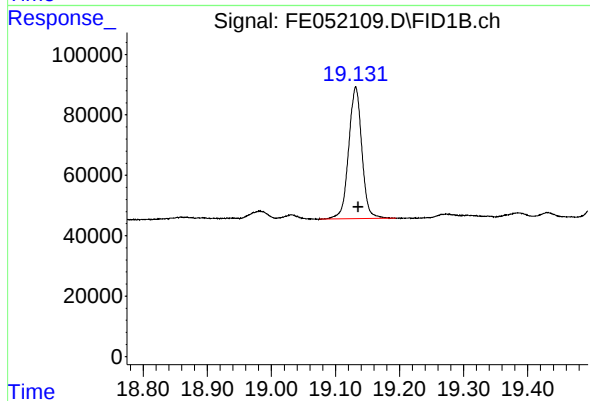
#16 n-Octacosane (C28)

R.T.: 17.416 min
Delta R.T.: -0.004 min
Response: 653828
Conc: 4.95 ug/ml



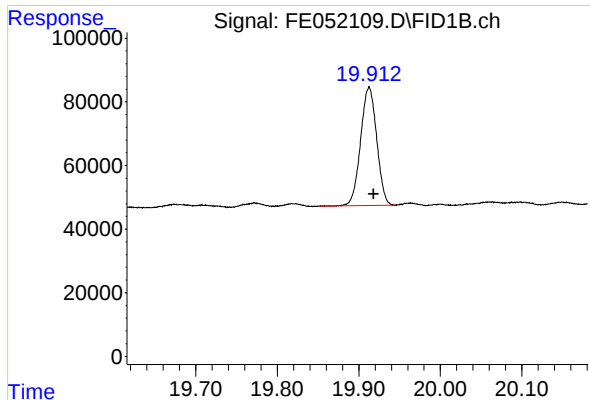
#17 n-Tricontane (C30)

R.T.: 18.300 min
Delta R.T.: -0.005 min
Response: 657453
Conc: 4.82 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 19.131 min
Delta R.T.: -0.004 min
Response: 624233
Conc: 4.76 ug/ml



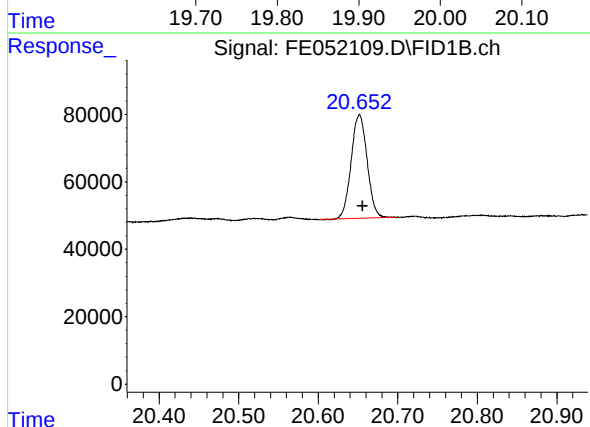
#19 n-Tetratriacontane (C34)

R.T.: 19.913 min
Delta R.T.: -0.006 min
Response: 511184
Conc: 4.54 ug/ml

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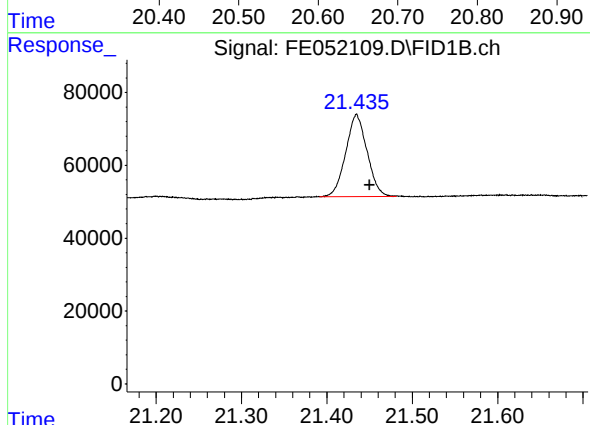
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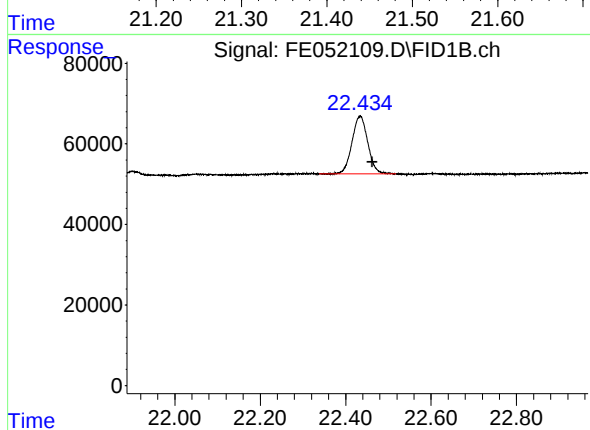
#20 n-Hexatriacontane (C36)

R.T.: 20.652 min
Delta R.T.: -0.004 min
Response: 430231
Conc: 4.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.435 min
Delta R.T.: -0.015 min
Response: 392516
Conc: 4.54 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.434 min
Delta R.T.: -0.028 min
Response: 368110
Conc: 4.47 ug/ml