

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012925AL\
 Data File : FE052134.D
 Signal(s) : FID1B.ch
 Acq On : 29 Jan 2025 23:26
 Operator : YP\AJ
 Sample : Q1168-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-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 01:30:31 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...	13.608	4922092	42.907 ug/ml
Spiked Amount 50.000		Recovery =	85.81%
Target Compounds			
1) T n-Nonane (C9)	3.674	136840	1.284 ug/ml
2) T n-Decane (C10)	4.901	178467	1.630 ug/ml
4) T n-Dodecane (C12)	7.028	237129	2.101 ug/ml
6) T n-Tetradecane (C14)	8.833	233129	2.004 ug/ml
7) T n-Hexadecane (C16)	10.427	245247	1.945 ug/ml
8) T n-Octadecane (C18)	11.858	280062	2.117 ug/ml
10) T n-Eicosane (C20)	13.159	313439	2.391 ug/ml
11) T n-Heneicosane (C21)	13.768	284116	2.183 ug/ml
13) T n-Docosane (C22)	14.351	355750	2.711 ug/ml
14) T n-Tetracosane (C24)	15.448	494243	3.721 ug/ml
15) T n-Hexacosane (C26)	16.465	535438	4.051 ug/mlm
16) T n-Octacosane (C28)	17.410	576061	4.365 ug/ml
17) T n-Tricontane (C30)	18.294	594668	4.362 ug/mlm
18) T n-Dotriacontane (C32)	19.125	557095	4.251 ug/ml
19) T n-Tetratriacontane (C34)	19.905	423237	3.759 ug/mlm
20) T n-Hexatriacontane (C36)	20.644	337930	3.558 ug/ml
21) T n-Octatriacontane (C38)	21.423	289096	3.347 ug/mlm
22) T n-Tetracontane (C40)	22.421	262900	3.190 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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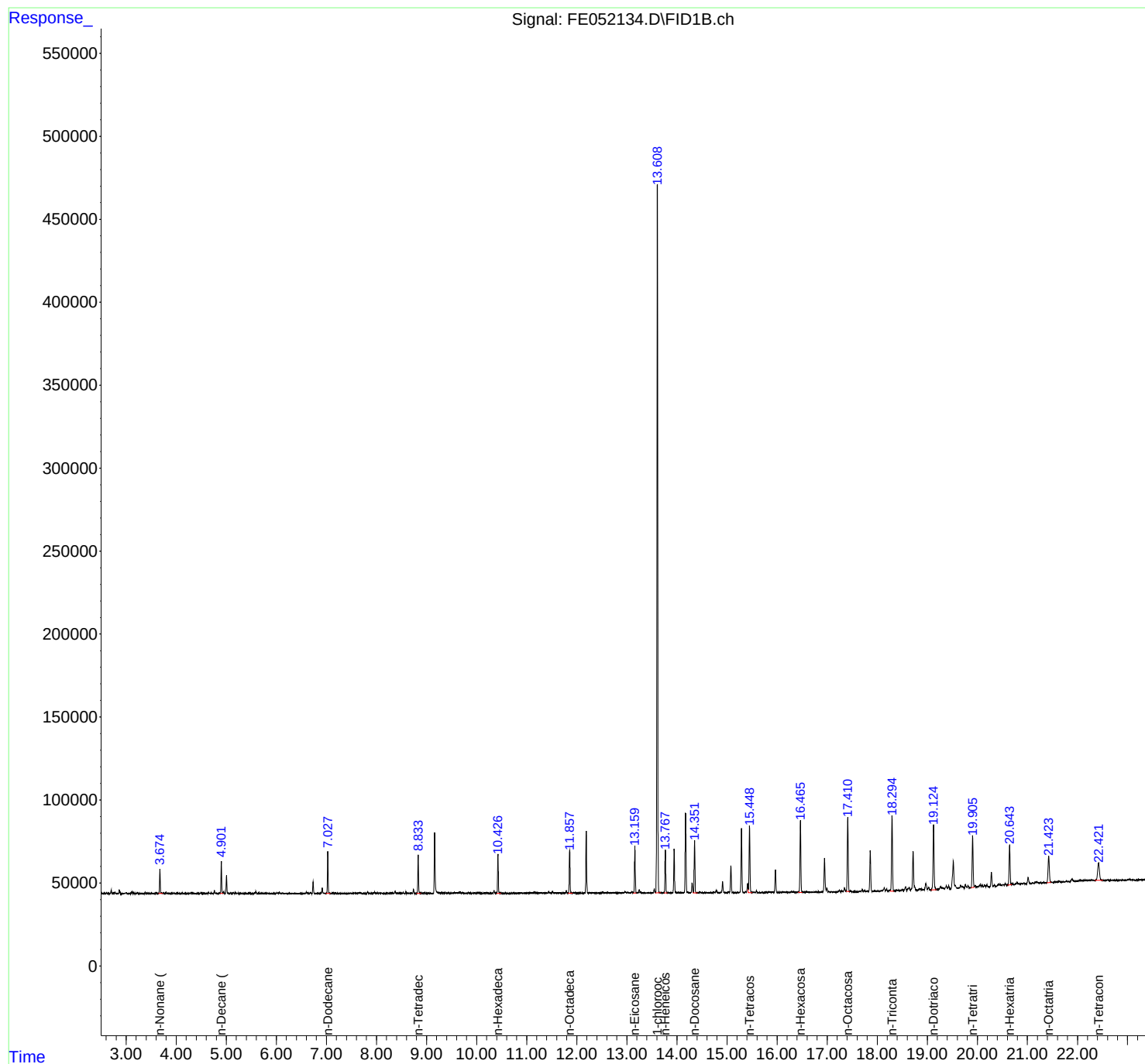
Instrument :
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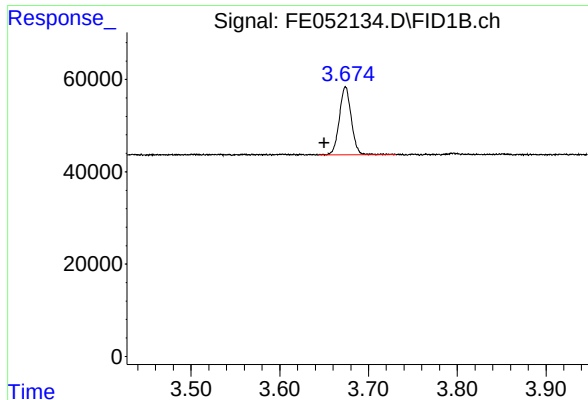
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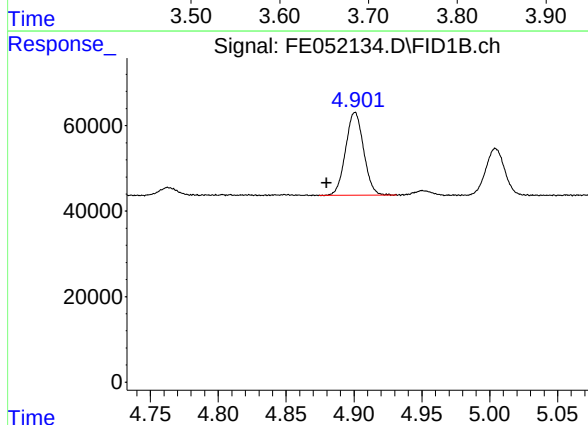
#1 n-Nonane (C9)

R.T.: 3.674 min
Delta R.T.: 0.024 min
Response: 136840
Conc: 1.28 ug/ml

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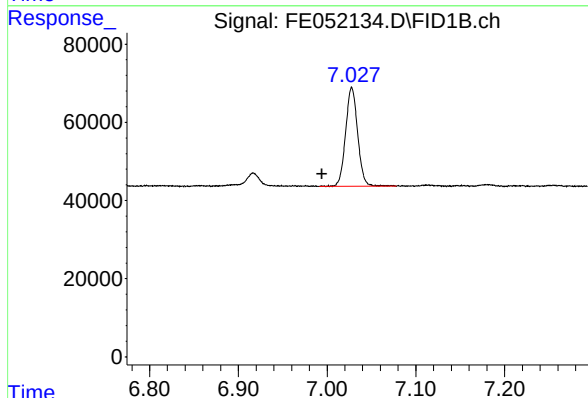
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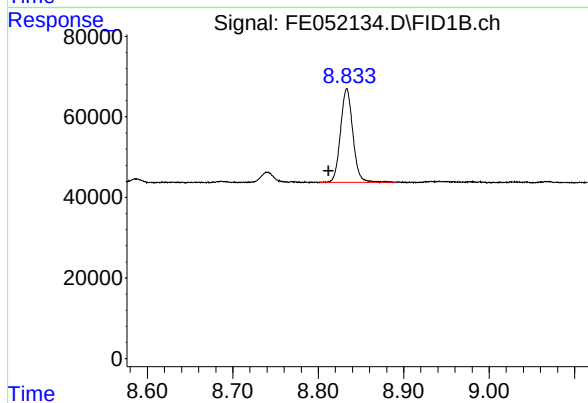
#2 n-Decane (C10)

R.T.: 4.901 min
Delta R.T.: 0.021 min
Response: 178467
Conc: 1.63 ug/ml



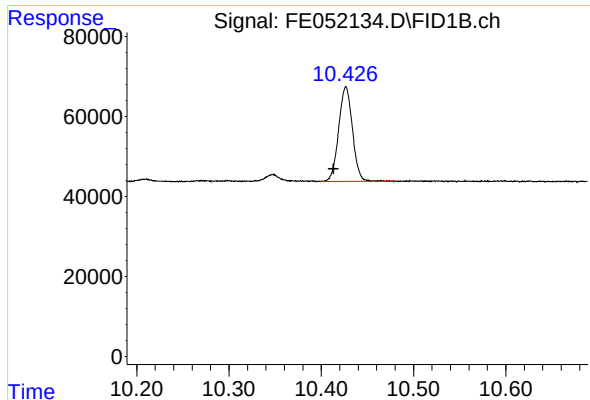
#4 n-Dodecane (C12)

R.T.: 7.028 min
Delta R.T.: 0.034 min
Response: 237129
Conc: 2.10 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.833 min
Delta R.T.: 0.021 min
Response: 233129
Conc: 2.00 ug/ml



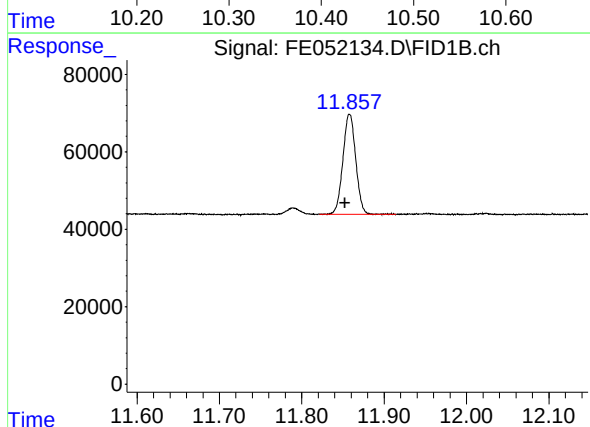
#7 n-Hexadecane (C16)

R.T.: 10.427 min
Delta R.T.: 0.013 min
Response: 245247
Conc: 1.94 ug/ml

Instrument : FID_E
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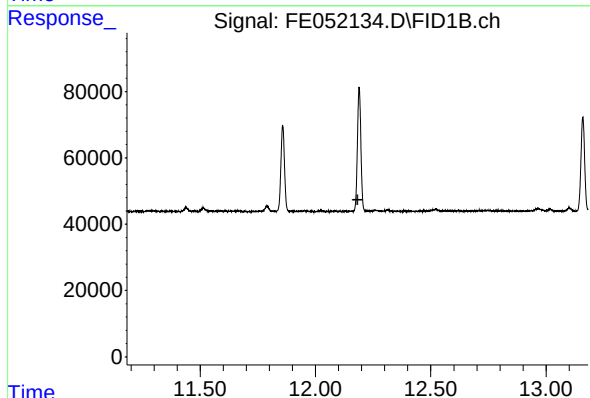
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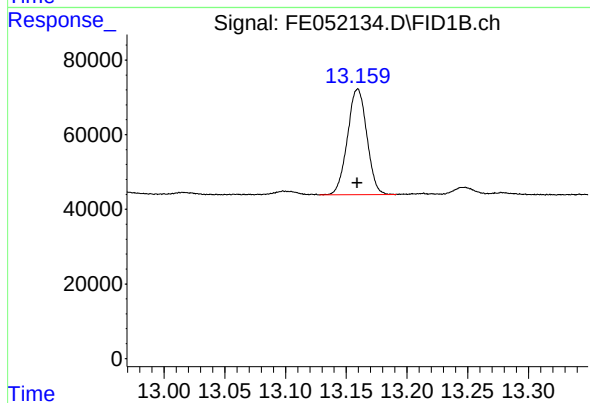
#8 n-Octadecane (C18)

R.T.: 11.858 min
Delta R.T.: 0.006 min
Response: 280062
Conc: 2.12 ug/ml



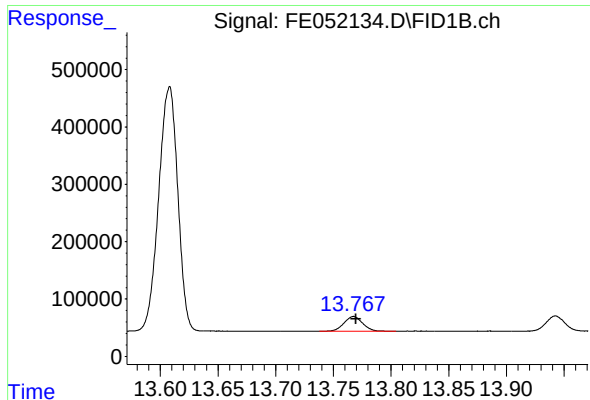
#9 ortho-Terphenyl (SURR)

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: 313439
Conc: 2.39 ug/ml



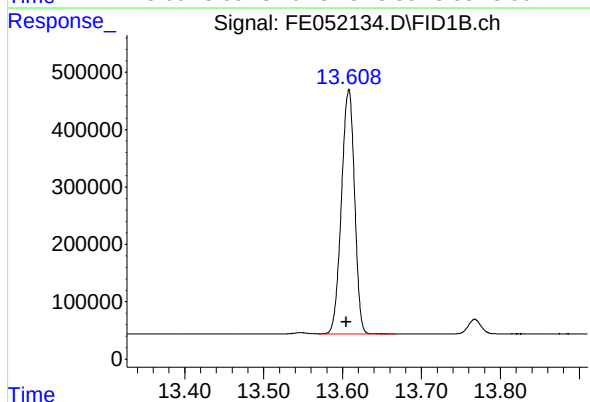
#11 n-Heneicosane (C21)

R.T.: 13.768 min
Delta R.T.: -0.002 min
Response: 284116
Conc: 2.18 ug/ml

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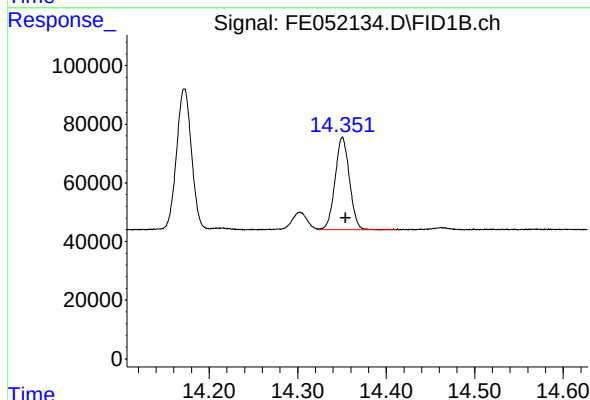
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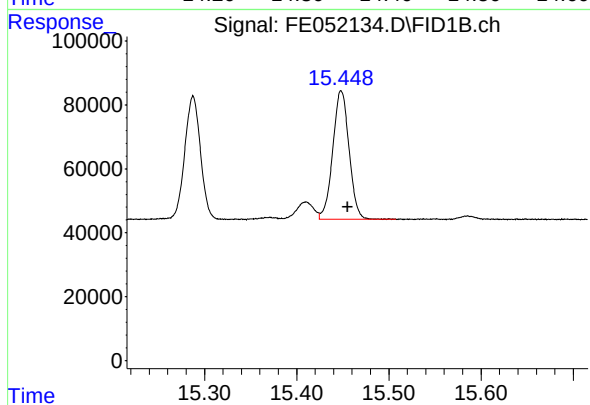
#12 1-chlorooctadecane (SURR)

R.T.: 13.608 min
Delta R.T.: 0.003 min
Response: 4922092
Conc: 42.91 ug/ml



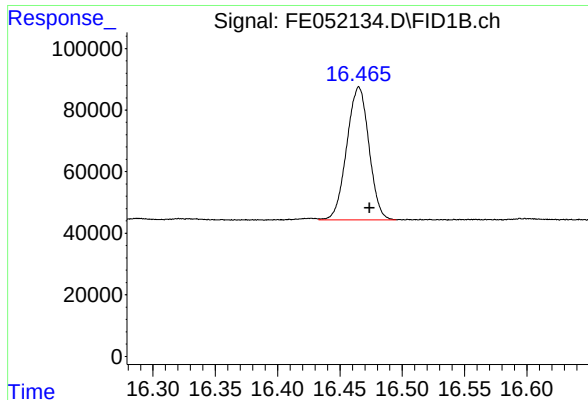
#13 n-Docosane (C22)

R.T.: 14.351 min
Delta R.T.: -0.003 min
Response: 355750
Conc: 2.71 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.448 min
Delta R.T.: -0.007 min
Response: 494243
Conc: 3.72 ug/ml



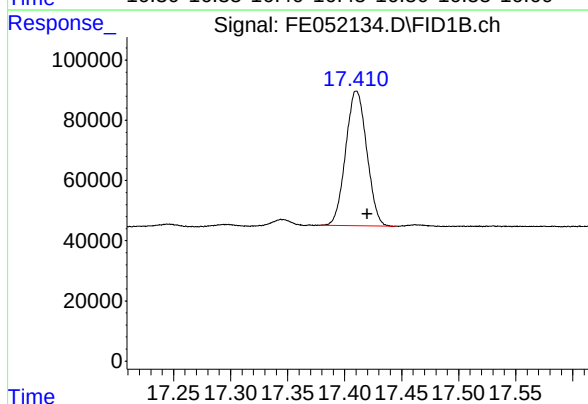
#15 n-Hexacosane (C26)

R.T.: 16.465 min
Delta R.T.: -0.009 min
Response: 535438
Conc: 4.05 ug/ml

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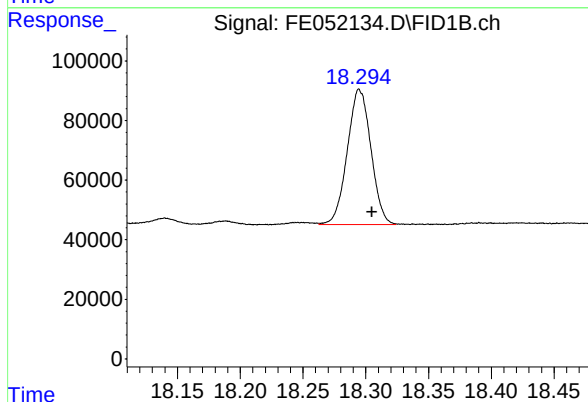
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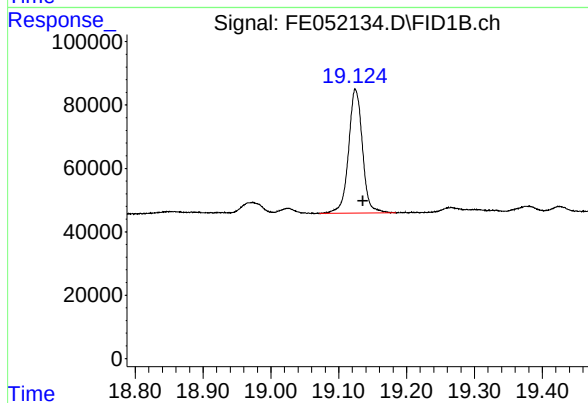
#16 n-Octacosane (C28)

R.T.: 17.410 min
Delta R.T.: -0.010 min
Response: 576061
Conc: 4.36 ug/ml



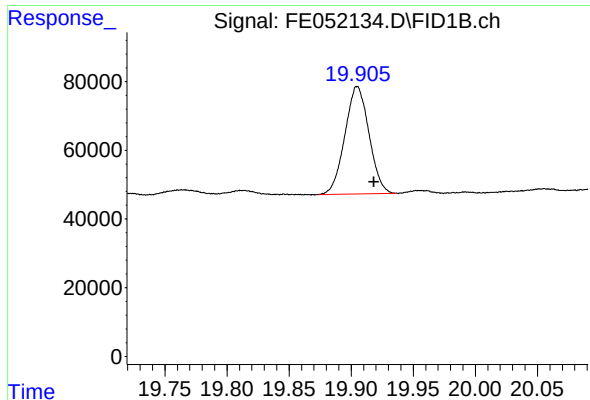
#17 n-Tricontane (C30)

R.T.: 18.294 min
Delta R.T.: -0.011 min
Response: 594668
Conc: 4.36 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 19.125 min
Delta R.T.: -0.011 min
Response: 557095
Conc: 4.25 ug/ml



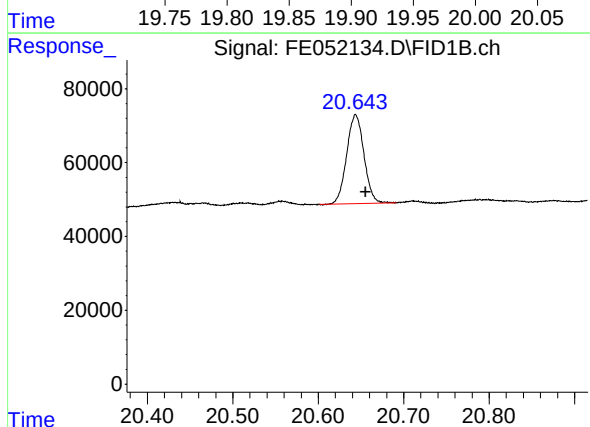
#19 n-Tetratriacontane (C34)

R.T.: 19.905 min
Delta R.T.: -0.013 min
Response: 423237
Conc: 3.76 ug/ml

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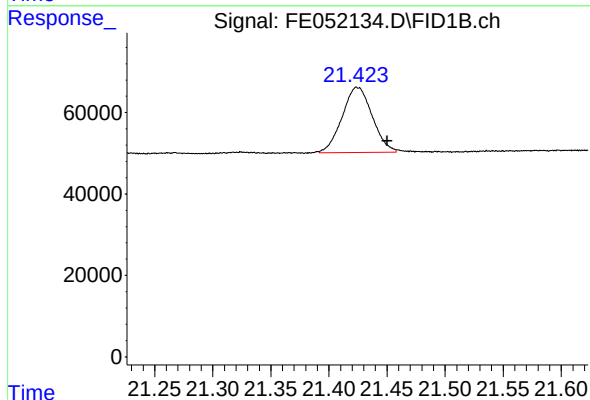
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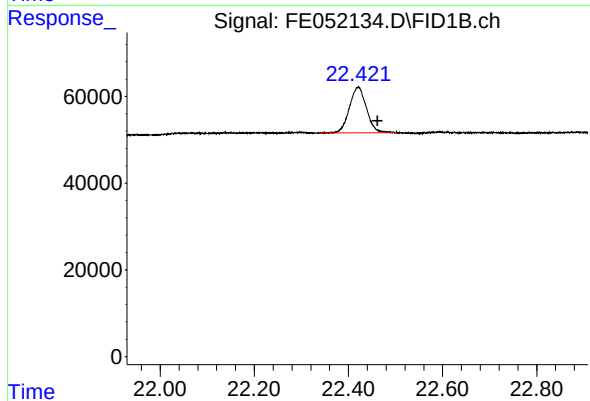
#20 n-Hexatriacontane (C36)

R.T.: 20.644 min
Delta R.T.: -0.012 min
Response: 337930
Conc: 3.56 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.423 min
Delta R.T.: -0.027 min
Response: 289096
Conc: 3.35 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 22.421 min
Delta R.T.: -0.041 min
Response: 262900
Conc: 3.19 ug/ml