

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012325AL\
 Data File : FE052024.D
 Signal(s) : FID1B.ch
 Acq On : 23 Jan 2025 19:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jan 24 01:53:37 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)	12.200	2703001	18.912 ug/ml
Spiked Amount 50.000		Recovery =	37.82%
12) S 1-chlorooctadecane (S...	13.615	2093036	18.246 ug/ml
Spiked Amount 50.000		Recovery =	36.49%
Target Compounds			
1) T n-Nonane (C9)	3.681	2009763	18.851 ug/ml
2) T n-Decane (C10)	4.908	2173759	19.856 ug/ml
3) T A~Naphthalene (C11.7)	6.602	2485856	20.457 ug/ml
4) T n-Dodecane (C12)	7.035	2291477	20.303 ug/ml
5) T A~2-methylnaphthalene...	7.682	2466628	20.661 ug/ml
6) T n-Tetradecane (C14)	8.841	2353194	20.232 ug/ml
7) T n-Hexadecane (C16)	10.435	2480056	19.664 ug/ml
8) T n-Octadecane (C18)	11.868	2522548	19.066 ug/ml
10) T n-Eicosane (C20)	13.169	2433444	18.562 ug/ml
11) T n-Heneicosane (C21)	13.778	2387503	18.343 ug/ml
13) T n-Docosane (C22)	14.361	2390436	18.215 ug/ml
14) T n-Tetracosane (C24)	15.459	2407678	18.126 ug/ml
15) T n-Hexacosane (C26)	16.476	2393586	18.108 ug/ml
16) T n-Octacosane (C28)	17.422	2421225	18.345 ug/ml
17) T n-Tricontane (C30)	18.308	2584385	18.955 ug/ml
18) T n-Dotriacontane (C32)	19.139	2534618	19.340 ug/ml
19) T n-Tetratriacontane (C34)	19.920	2170491	19.279 ug/mlm
20) T n-Hexatriacontane (C36)	20.658	1839218	19.364 ug/ml
21) T n-Octatriacontane (C38)	21.443	1712086	19.820 ug/ml
22) T n-Tetracontane (C40)	22.444	1716610	20.830 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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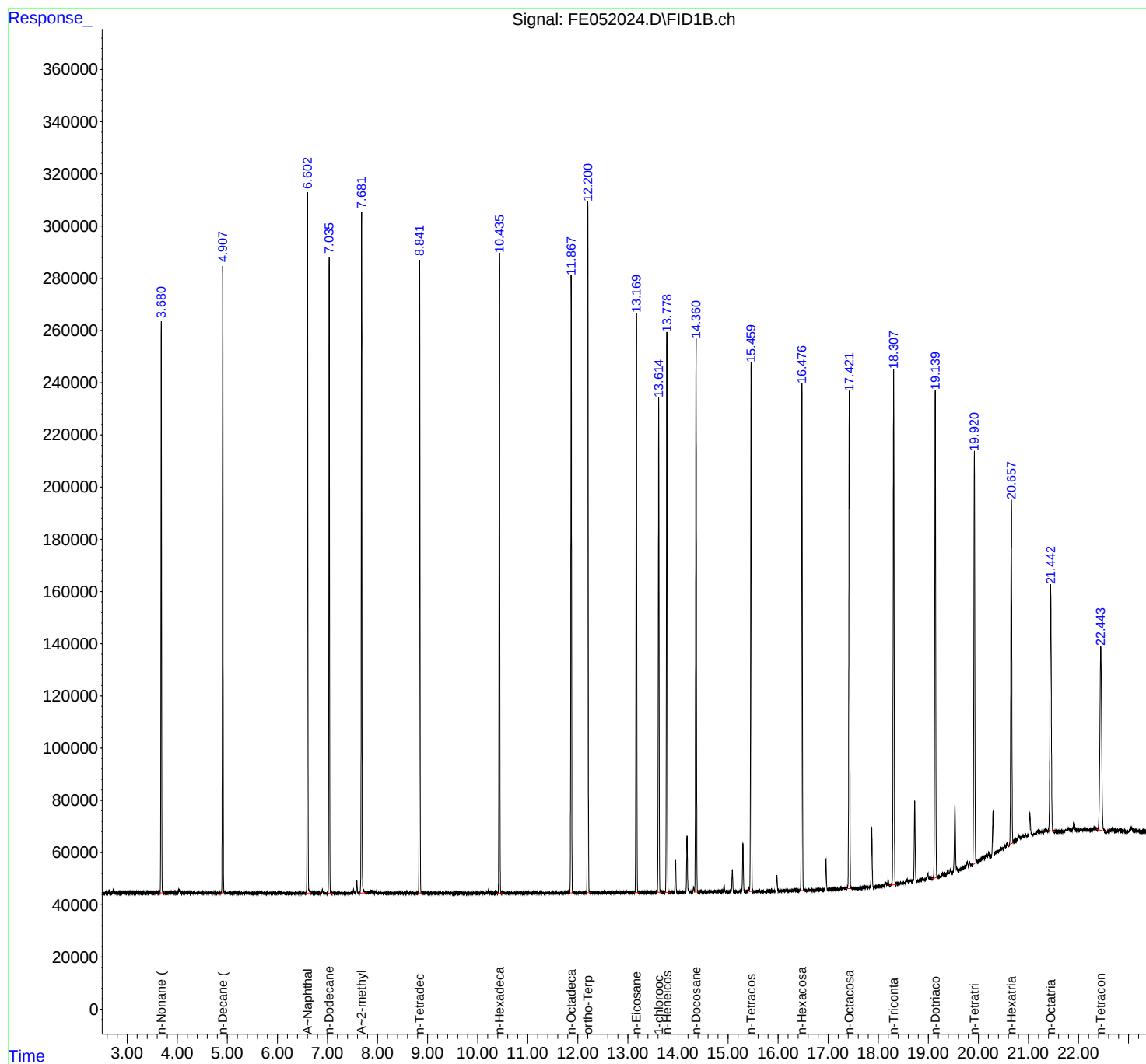
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20 PPM ALIPHATIC HC STD

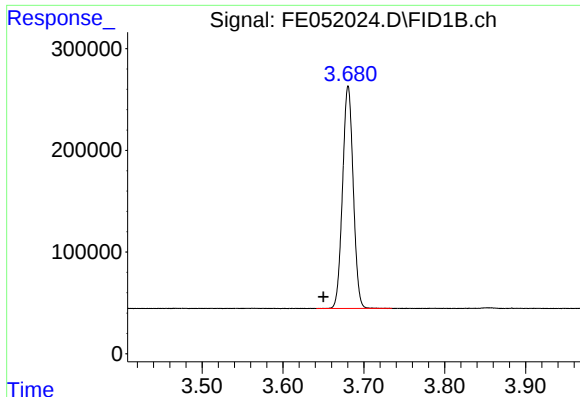
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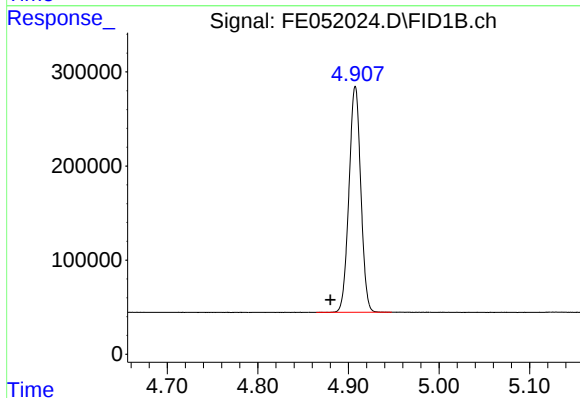
#1 n-Nonane (C9)

R.T.: 3.681 min
Delta R.T.: 0.031 min
Response: 2009763
Conc: 18.85 ug/ml

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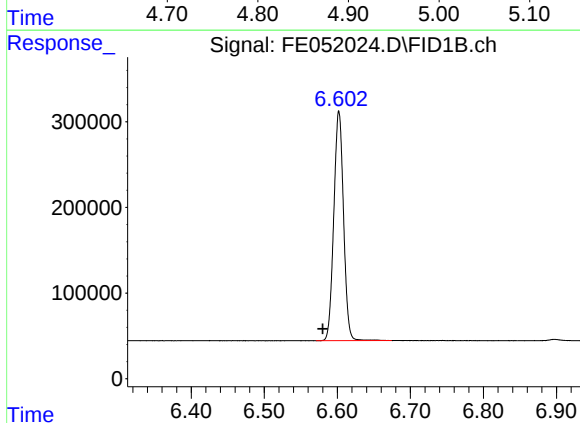
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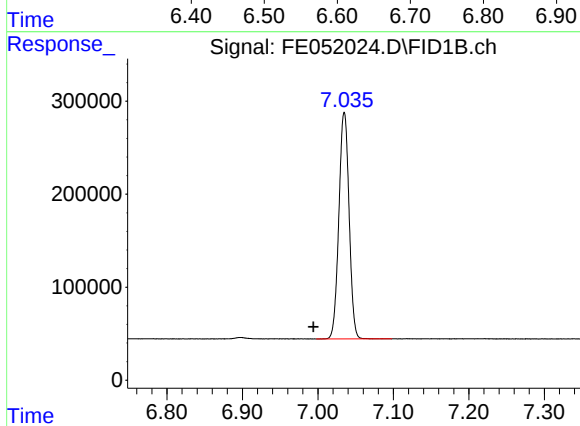
#2 n-Decane (C10)

R.T.: 4.908 min
Delta R.T.: 0.028 min
Response: 2173759
Conc: 19.86 ug/ml



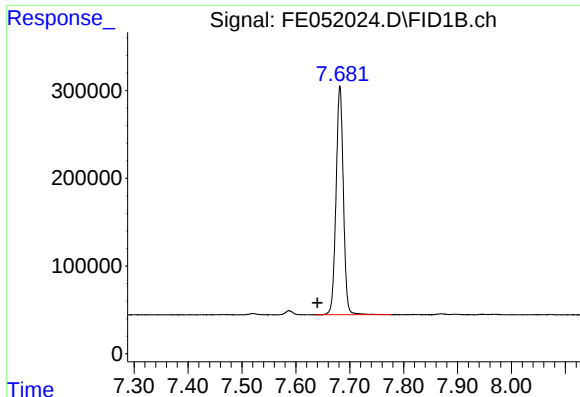
#3 A~Naphthalene (C11.7)

R.T.: 6.602 min
Delta R.T.: 0.022 min
Response: 2485856
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.035 min
Delta R.T.: 0.041 min
Response: 2291477
Conc: 20.30 ug/ml



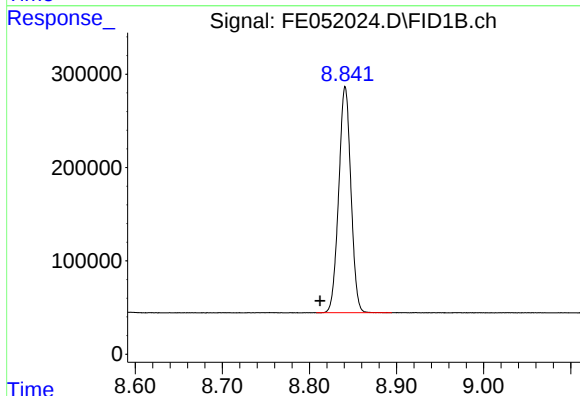
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.682 min
Delta R.T.: 0.041 min
Response: 2466628
Conc: 20.66 ug/ml

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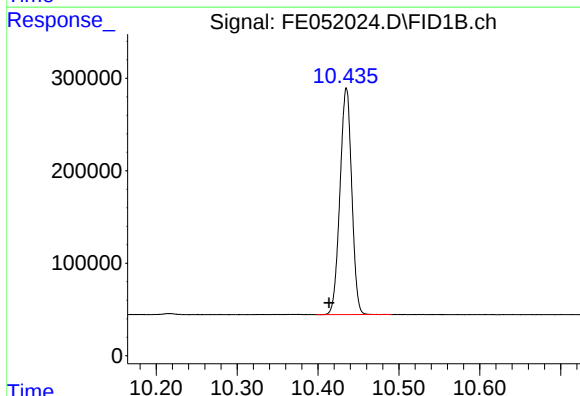
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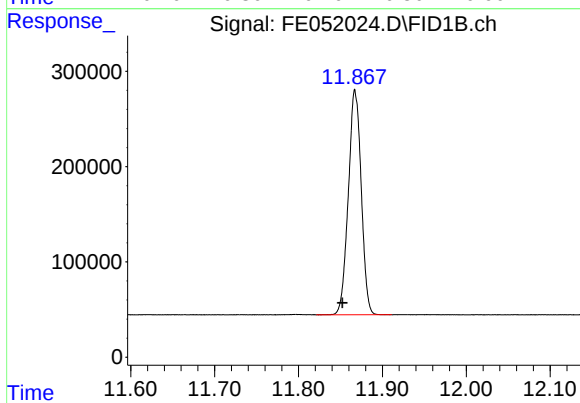
#6 n-Tetradecane (C14)

R.T.: 8.841 min
Delta R.T.: 0.029 min
Response: 2353194
Conc: 20.23 ug/ml



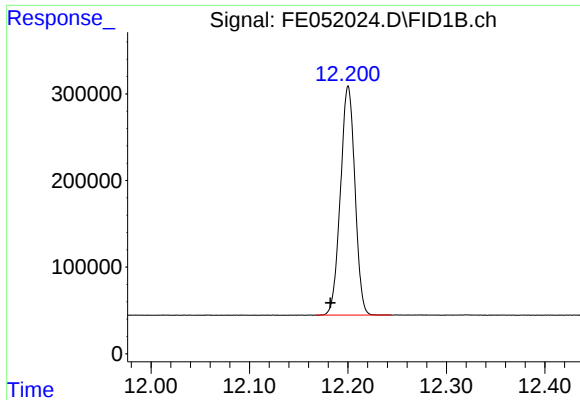
#7 n-Hexadecane (C16)

R.T.: 10.435 min
Delta R.T.: 0.021 min
Response: 2480056
Conc: 19.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.868 min
Delta R.T.: 0.015 min
Response: 2522548
Conc: 19.07 ug/ml



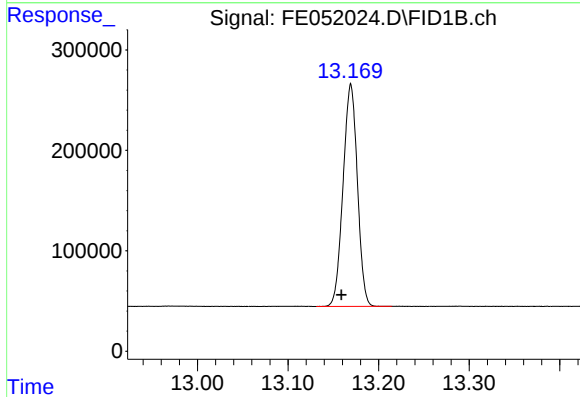
#9 ortho-Terphenyl (SURR)

R.T.: 12.200 min
Delta R.T.: 0.018 min
Response: 2703001
Conc: 18.91 ug/ml

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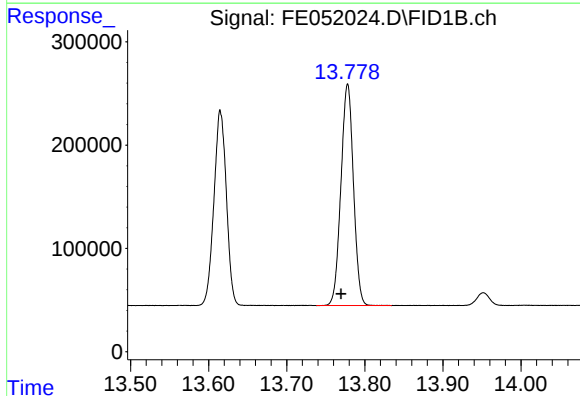
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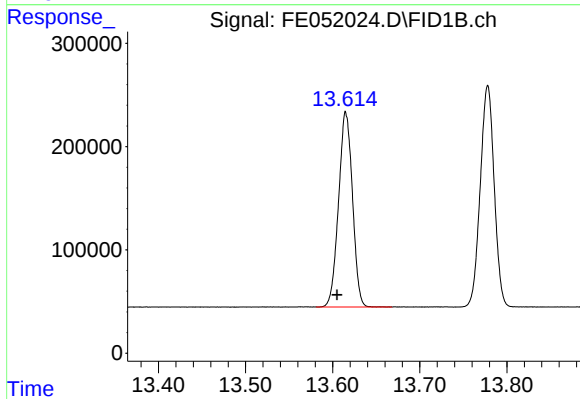
#10 n-Eicosane (C20)

R.T.: 13.169 min
Delta R.T.: 0.010 min
Response: 2433444
Conc: 18.56 ug/ml



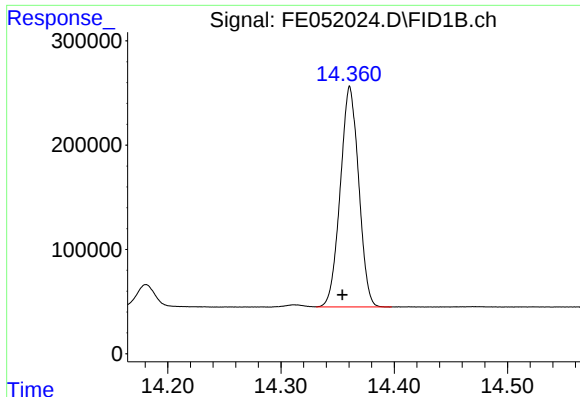
#11 n-Heneicosane (C21)

R.T.: 13.778 min
Delta R.T.: 0.008 min
Response: 2387503
Conc: 18.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.615 min
Delta R.T.: 0.010 min
Response: 2093036
Conc: 18.25 ug/ml



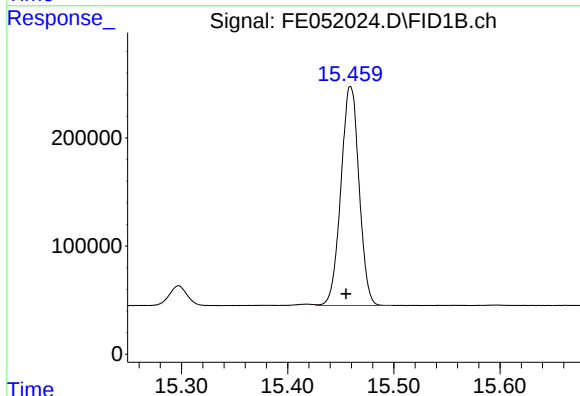
#13 n-Docosane (C22)

R.T.: 14.361 min
Delta R.T.: 0.007 min
Response: 2390436
Conc: 18.21 ug/ml

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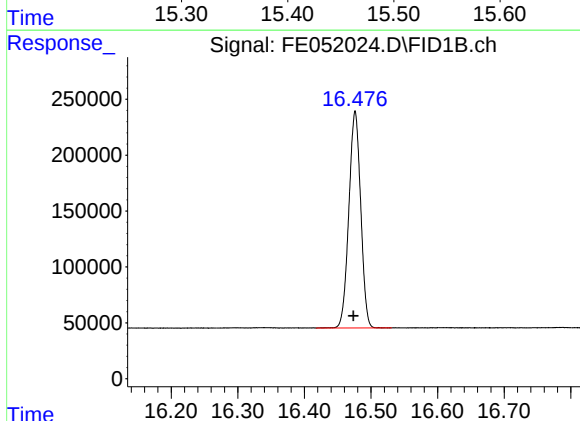
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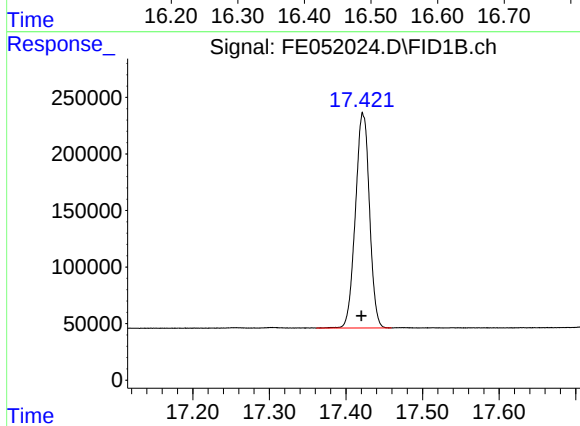
#14 n-Tetracosane (C24)

R.T.: 15.459 min
Delta R.T.: 0.004 min
Response: 2407678
Conc: 18.13 ug/ml



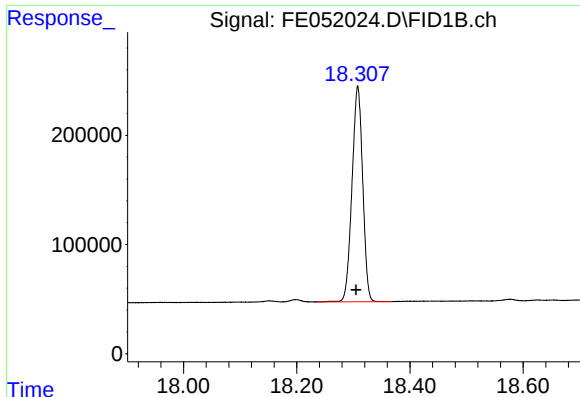
#15 n-Hexacosane (C26)

R.T.: 16.476 min
Delta R.T.: 0.002 min
Response: 2393586
Conc: 18.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.422 min
Delta R.T.: 0.002 min
Response: 2421225
Conc: 18.34 ug/ml



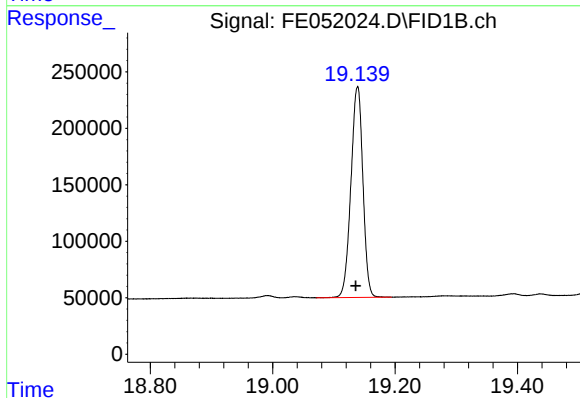
#17 n-Tricontane (C30)

R.T.: 18.308 min
Delta R.T.: 0.003 min
Response: 2584385
Conc: 18.96 ug/ml

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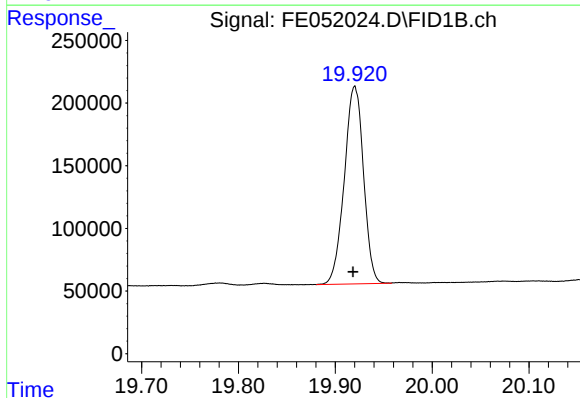
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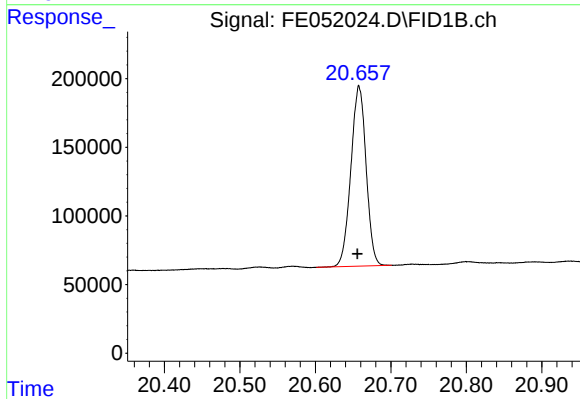
#18 n-Dotriacontane (C32)

R.T.: 19.139 min
Delta R.T.: 0.003 min
Response: 2534618
Conc: 19.34 ug/ml



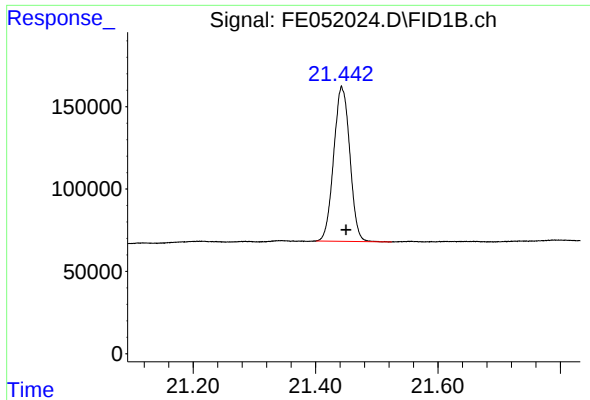
#19 n-Tetratriacontane (C34)

R.T.: 19.920 min
Delta R.T.: 0.002 min
Response: 2170491
Conc: 19.28 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.658 min
Delta R.T.: 0.002 min
Response: 1839218
Conc: 19.36 ug/ml



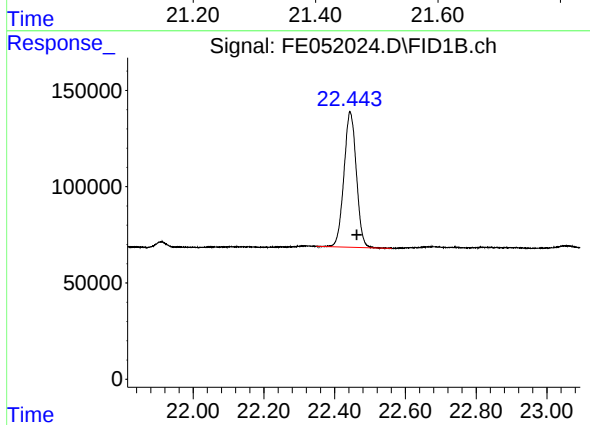
#21 n-Octatriacontane (C38)

R.T.: 21.443 min
Delta R.T.: -0.007 min
Response: 1712086
Conc: 19.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.444 min
Delta R.T.: -0.018 min
Response: 1716610
Conc: 20.83 ug/ml