

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012425AL\
 Data File : FE052035.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jan 2025 05:44
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/27/2025
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
 Quant Time: Jan 24 06:38:26 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)	12.201	2637144	18.451 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.615	2044332	17.821 ug/ml
Spiked Amount 50.000		Recovery =	35.64%
Target Compounds			
1) T n-Nonane (C9)	3.682	1965611	18.437 ug/ml
2) T n-Decane (C10)	4.909	2106788	19.244 ug/ml
3) T A~Naphthalene (C11.7)	6.603	2418740	19.905 ug/ml
4) T n-Dodecane (C12)	7.037	2216691	19.640 ug/ml
5) T A~2-methylnaphthalene...	7.683	2391473	20.032 ug/ml
6) T n-Tetradecane (C14)	8.842	2287518	19.668 ug/ml
7) T n-Hexadecane (C16)	10.435	2420630	19.193 ug/ml
8) T n-Octadecane (C18)	11.868	2467341	18.649 ug/ml
10) T n-Eicosane (C20)	13.169	2388476	18.219 ug/ml
11) T n-Heneicosane (C21)	13.777	2336280	17.949 ug/ml
13) T n-Docosane (C22)	14.361	2362724	18.004 ug/ml
14) T n-Tetracosane (C24)	15.459	2414722	18.179 ug/ml
15) T n-Hexacosane (C26)	16.475	2424357	18.341 ug/ml
16) T n-Octacosane (C28)	17.422	2479769	18.788 ug/mlm
17) T n-Tricontane (C30)	18.307	2643147	19.386 ug/mlm
18) T n-Dotriacontane (C32)	19.137	2571120	19.619 ug/ml
19) T n-Tetratriacontane (C34)	19.918	2149578	19.093 ug/ml
20) T n-Hexatriacontane (C36)	20.656	1812113	19.079 ug/ml
21) T n-Octatriacontane (C38)	21.441	1669563	19.328 ug/ml
22) T n-Tetracontane (C40)	22.444	1652923	20.057 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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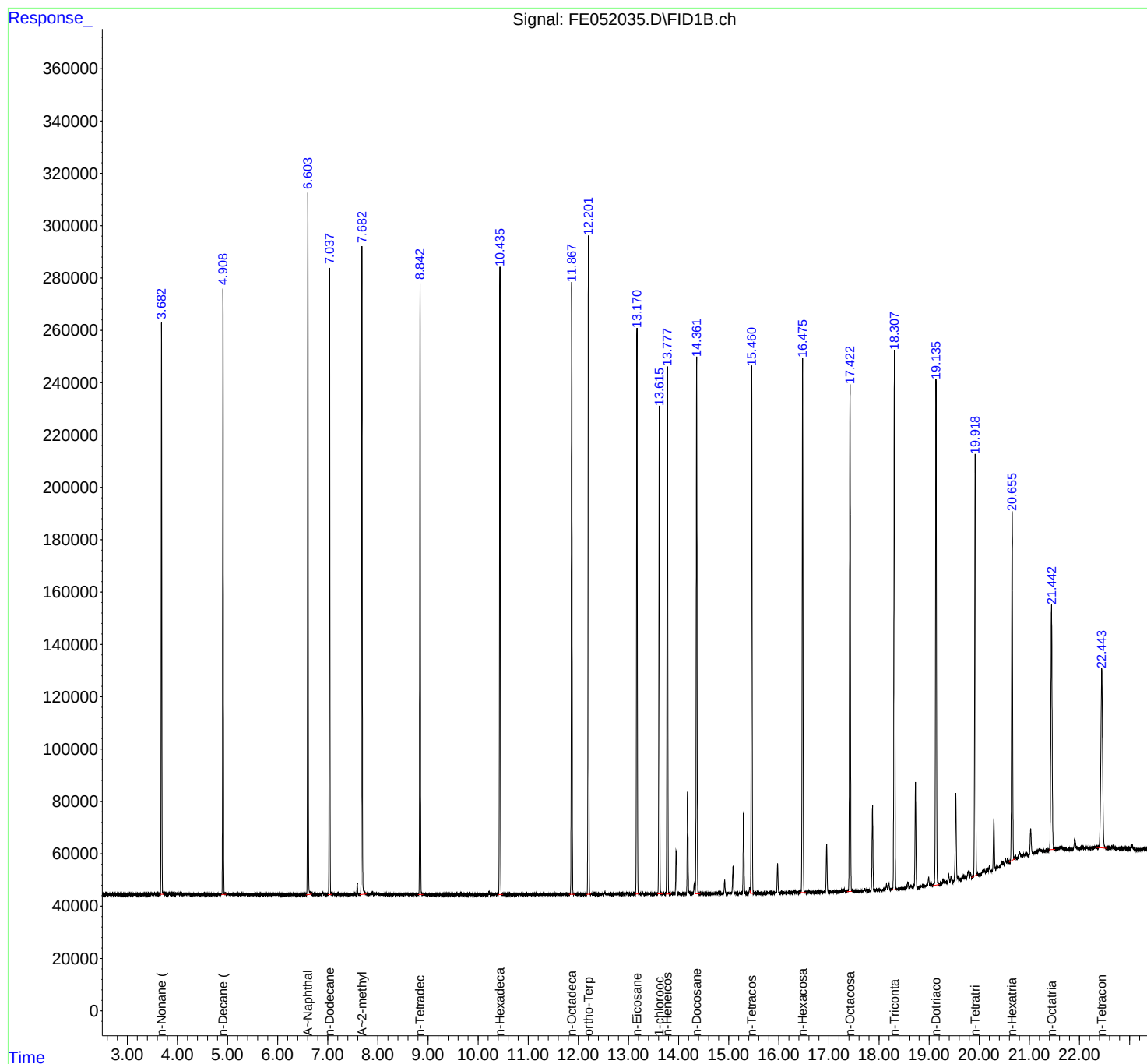
Instrument :
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20 PPM ALIPHATIC HC STD

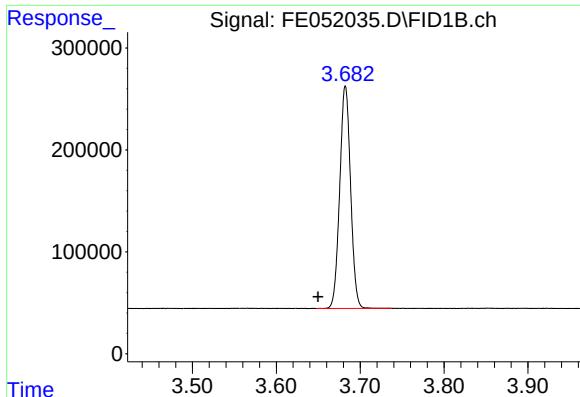
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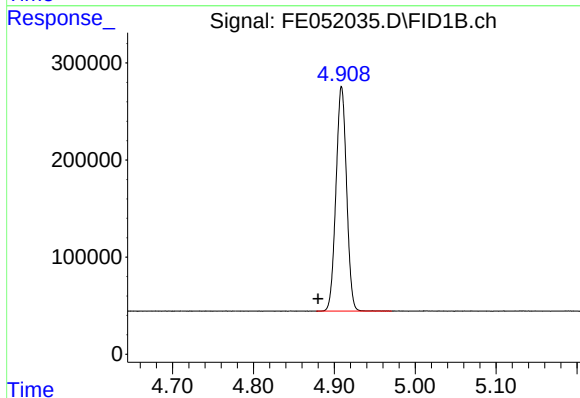
#1 n-Nonane (C9)

R.T.: 3.682 min
Delta R.T.: 0.032 min
Response: 1965611
Conc: 18.44 ug/ml

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20 PPM ALIPHATIC HC STD

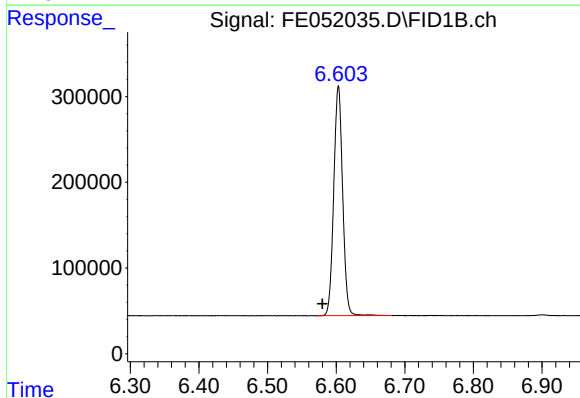
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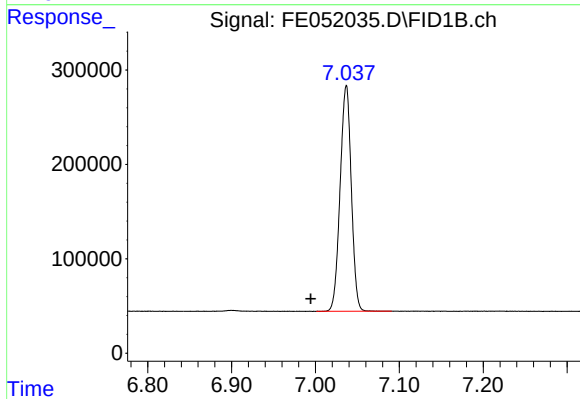
#2 n-Decane (C10)

R.T.: 4.909 min
Delta R.T.: 0.029 min
Response: 2106788
Conc: 19.24 ug/ml



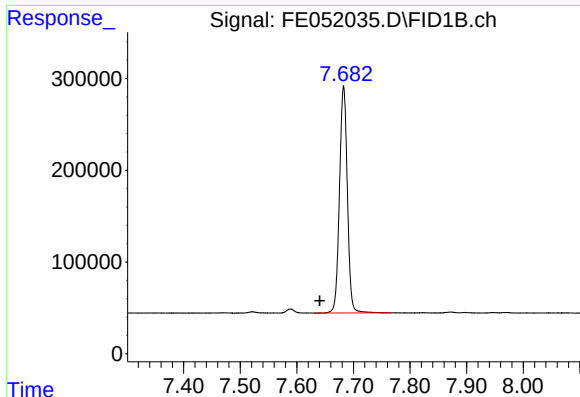
#3 A~Naphthalene (C11.7)

R.T.: 6.603 min
Delta R.T.: 0.023 min
Response: 2418740
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.037 min
Delta R.T.: 0.042 min
Response: 2216691
Conc: 19.64 ug/ml



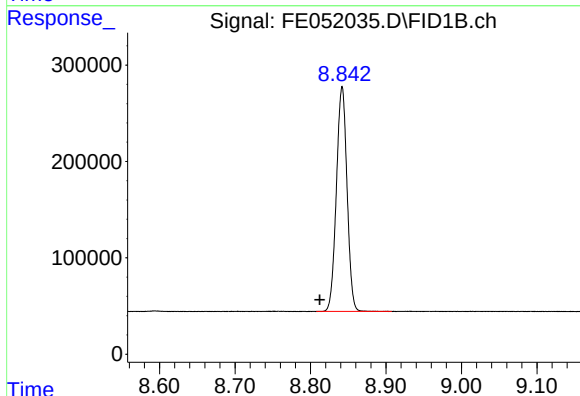
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.683 min
Delta R.T.: 0.042 min
Response: 2391473
Conc: 20.03 ug/ml

Instrument :
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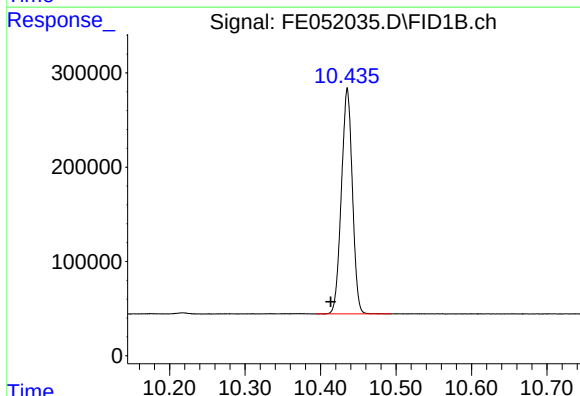
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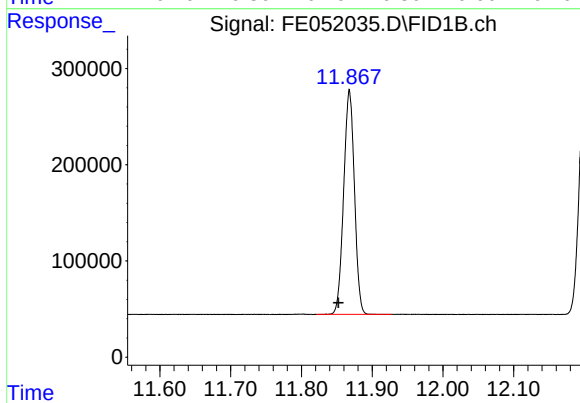
#6 n-Tetradecane (C14)

R.T.: 8.842 min
Delta R.T.: 0.029 min
Response: 2287518
Conc: 19.67 ug/ml



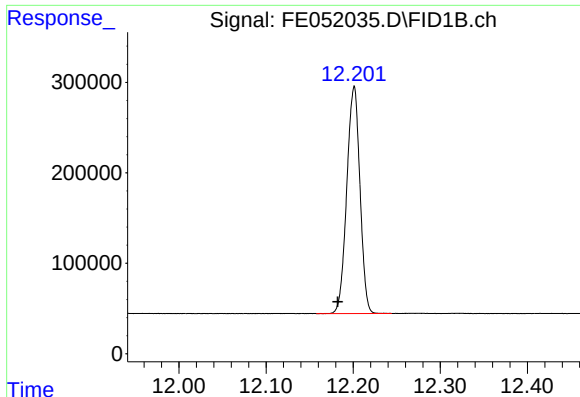
#7 n-Hexadecane (C16)

R.T.: 10.435 min
Delta R.T.: 0.022 min
Response: 2420630
Conc: 19.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.868 min
Delta R.T.: 0.015 min
Response: 2467341
Conc: 18.65 ug/ml



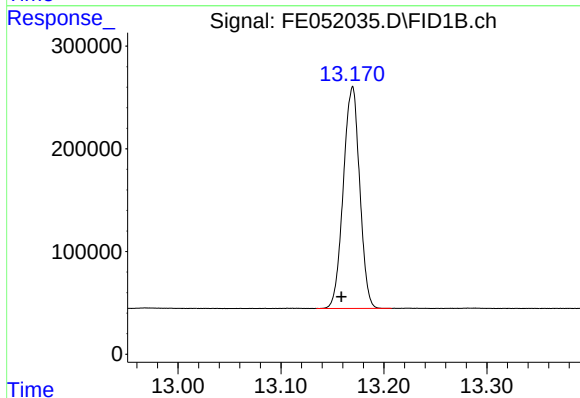
#9 ortho-Terphenyl (SURR)

R.T.: 12.201 min
Delta R.T.: 0.018 min
Response: 2637144
Conc: 18.45 ug/ml

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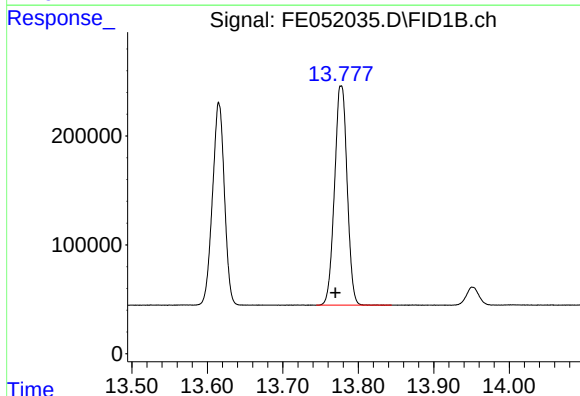
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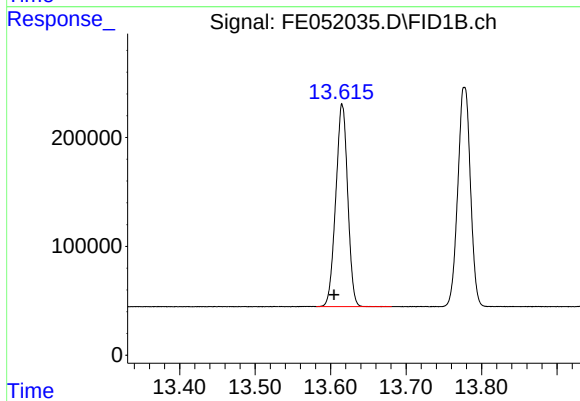
#10 n-Eicosane (C20)

R.T.: 13.169 min
Delta R.T.: 0.010 min
Response: 2388476
Conc: 18.22 ug/ml



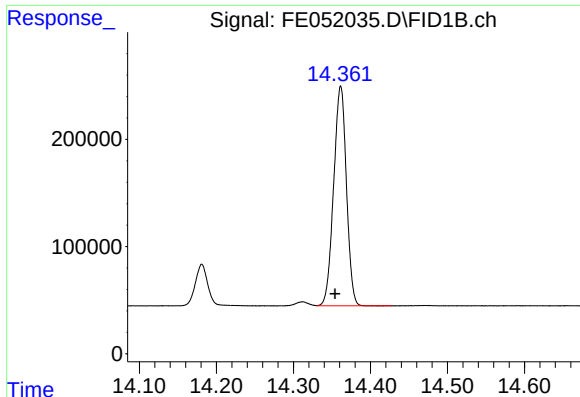
#11 n-Heneicosane (C21)

R.T.: 13.777 min
Delta R.T.: 0.008 min
Response: 2336280
Conc: 17.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.615 min
Delta R.T.: 0.011 min
Response: 2044332
Conc: 17.82 ug/ml



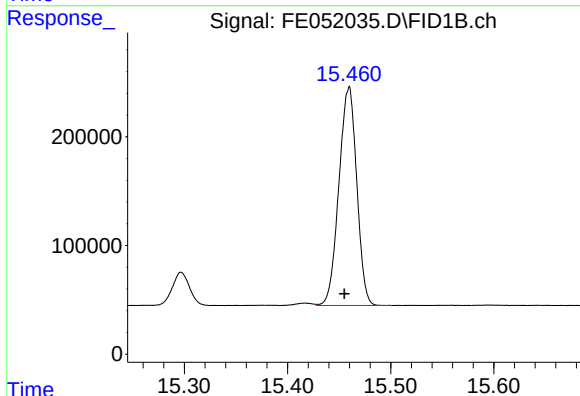
#13 n-Docosane (C22)

R.T.: 14.361 min
Delta R.T.: 0.007 min
Response: 2362724
Conc: 18.00 ug/ml

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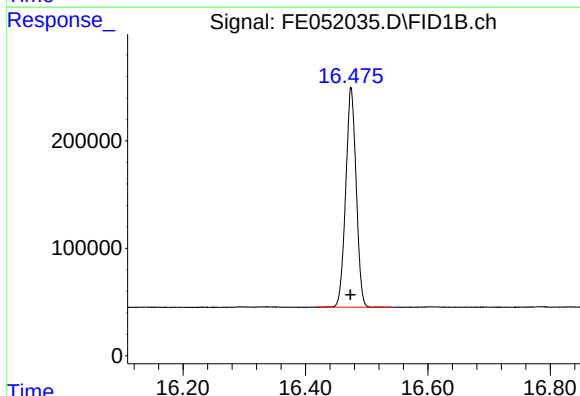
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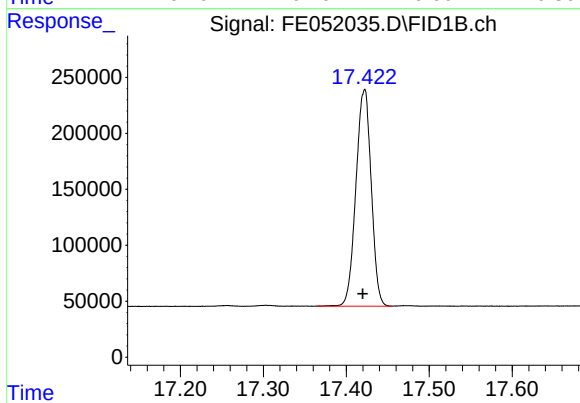
#14 n-Tetracosane (C24)

R.T.: 15.459 min
Delta R.T.: 0.004 min
Response: 2414722
Conc: 18.18 ug/ml



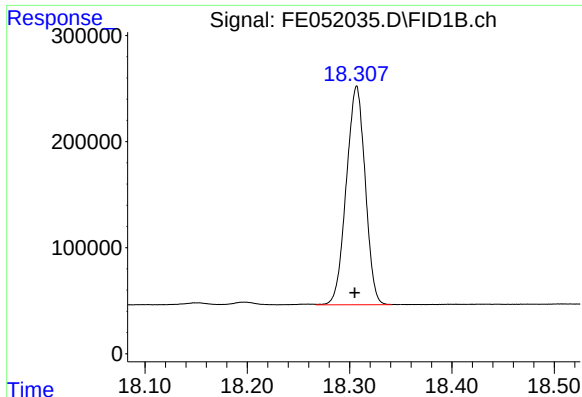
#15 n-Hexacosane (C26)

R.T.: 16.475 min
Delta R.T.: 0.000 min
Response: 2424357
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.422 min
Delta R.T.: 0.002 min
Response: 2479769
Conc: 18.79 ug/ml m



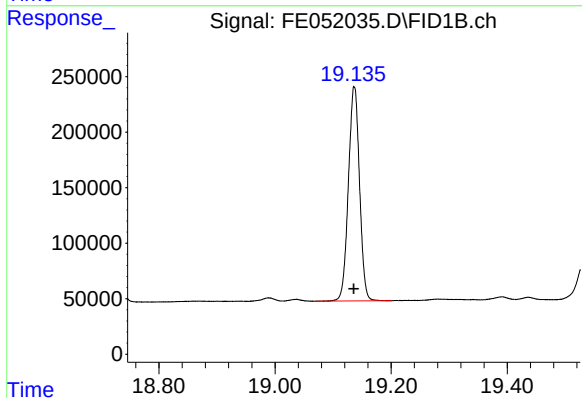
#17 n-Tricontane (C30)

R.T.: 18.307 min
Delta R.T.: 0.002 min
Response: 2643147
Conc: 19.39 ug/ml

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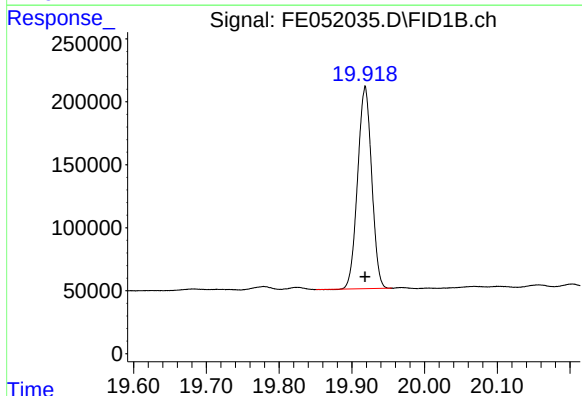
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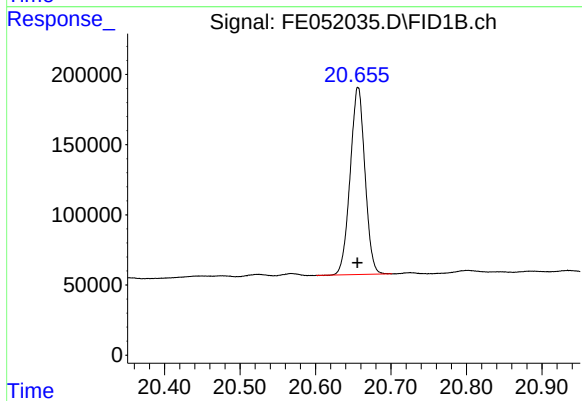
#18 n-Dotriacontane (C32)

R.T.: 19.137 min
Delta R.T.: 0.000 min
Response: 2571120
Conc: 19.62 ug/ml



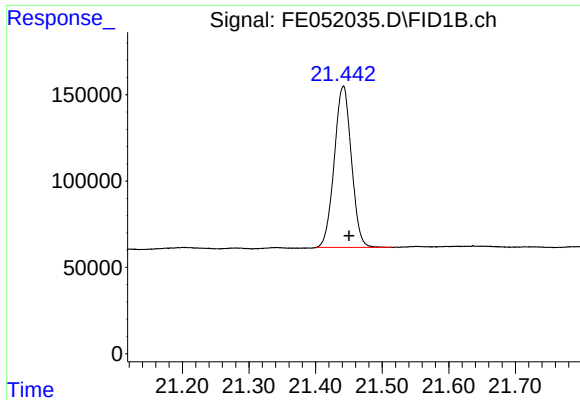
#19 n-Tetratriacontane (C34)

R.T.: 19.918 min
Delta R.T.: 0.000 min
Response: 2149578
Conc: 19.09 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.656 min
Delta R.T.: 0.000 min
Response: 1812113
Conc: 19.08 ug/ml



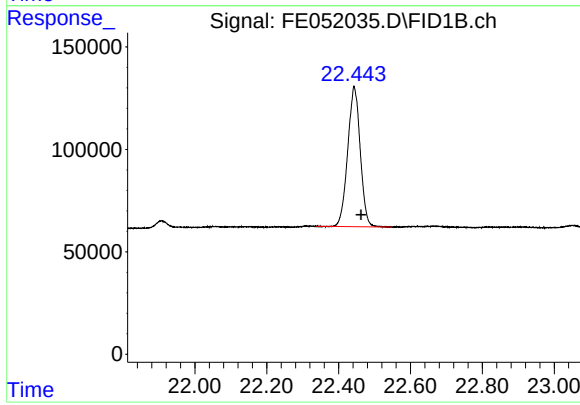
#21 n-Octatriacontane (C38)

R.T.: 21.441 min
Delta R.T.: -0.009 min
Response: 1669563
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.444 min
Delta R.T.: -0.019 min
Response: 1652923
Conc: 20.06 ug/ml