

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012325AL\
 Data File : FE052012.D
 Signal(s) : FID1B.ch
 Acq On : 23 Jan 2025 12:03
 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 01:49:02 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)	12.207	2871092	20.088 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
12) S 1-chlorooctadecane (S...	13.621	2226640	19.410 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
Target Compounds			
1) T n-Nonane (C9)	3.687	2124988	19.932 ug/ml
2) T n-Decane (C10)	4.914	2297321	20.984 ug/ml
3) T A~Naphthalene (C11.7)	6.609	2611821	21.494 ug/ml
4) T n-Dodecane (C12)	7.041	2414393	21.392 ug/ml
5) T A~2-methylnaphthalene...	7.688	2592011	21.711 ug/ml
6) T n-Tetradecane (C14)	8.847	2478948	21.313 ug/ml
7) T n-Hexadecane (C16)	10.441	2616106	20.743 ug/ml
8) T n-Octadecane (C18)	11.874	2669250	20.175 ug/ml
10) T n-Eicosane (C20)	13.175	2585091	19.719 ug/ml
11) T n-Heneicosane (C21)	13.784	2536168	19.485 ug/ml
13) T n-Docosane (C22)	14.367	2546010	19.400 ug/ml
14) T n-Tetracosane (C24)	15.464	2564608	19.307 ug/mlm
15) T n-Hexacosane (C26)	16.482	2550650	19.296 ug/ml
16) T n-Octacosane (C28)	17.428	2570228	19.474 ug/mlm
17) T n-Tricontane (C30)	18.313	2726652	19.999 ug/ml
18) T n-Dotriacontane (C32)	19.142	2653029	20.244 ug/mlm
19) T n-Tetratriacontane (C34)	19.926	2292585	20.363 ug/mlm
20) T n-Hexatriacontane (C36)	20.664	1971088	20.752 ug/ml
21) T n-Octatriacontane (C38)	21.451	1824714	21.124 ug/mlm
22) T n-Tetracontane (C40)	22.456	1835698	22.275 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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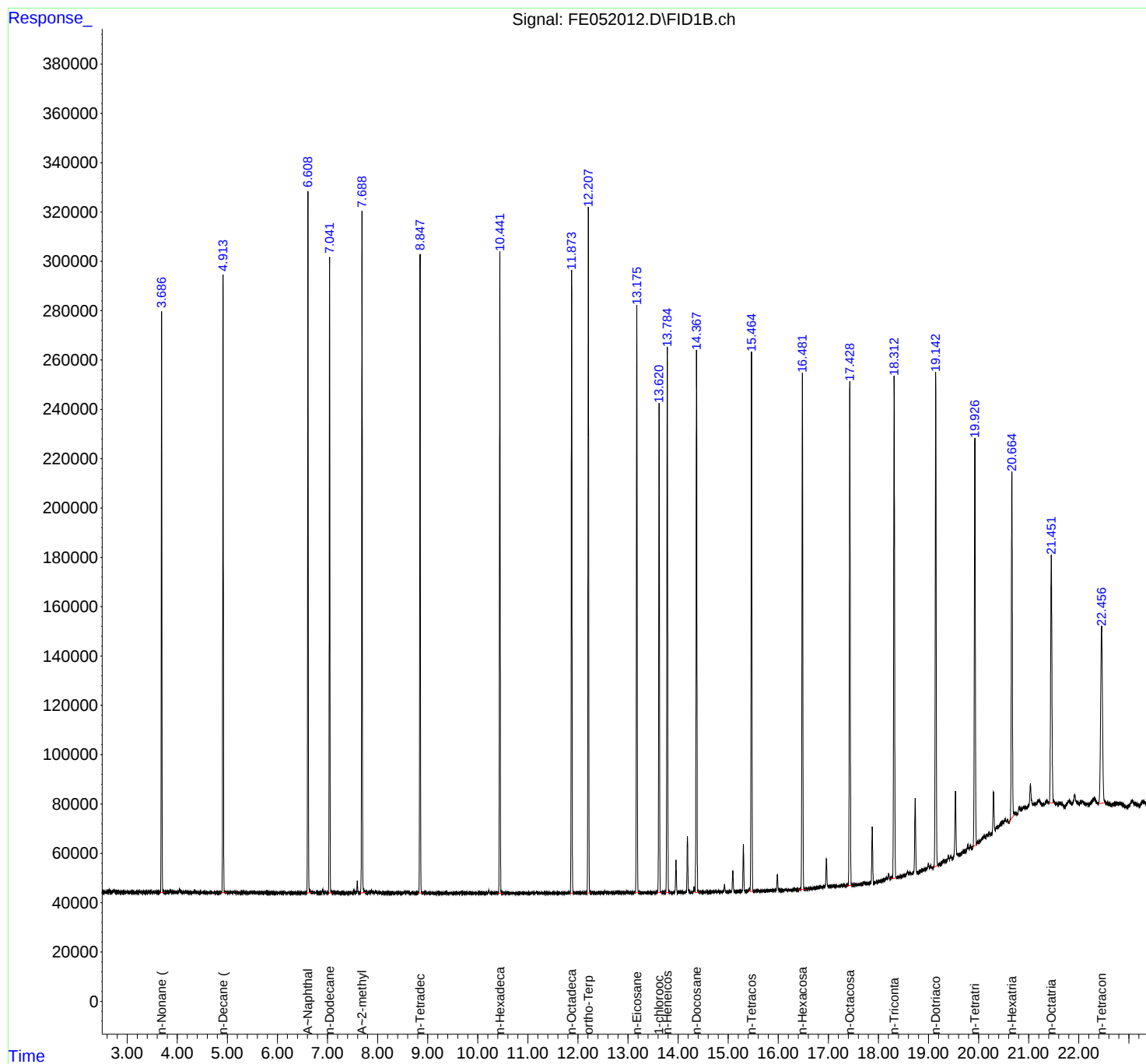
Instrument :
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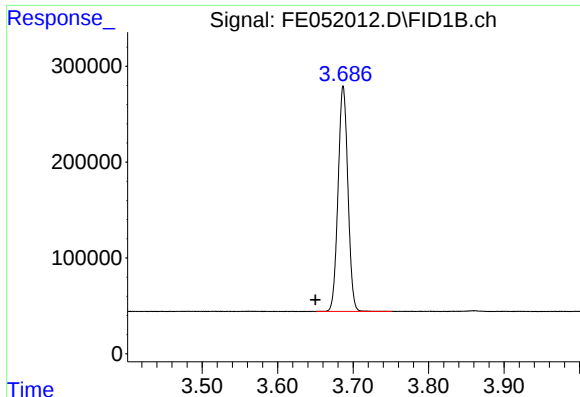
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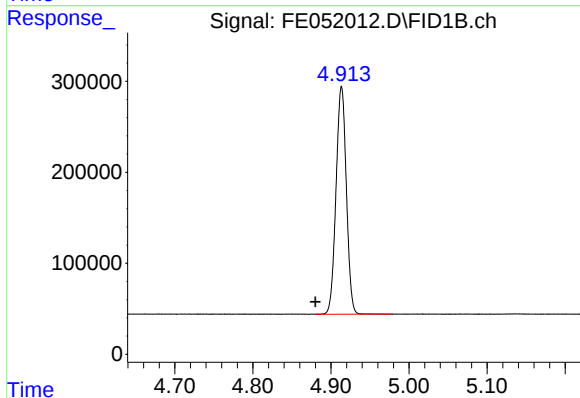
#1 n-Nonane (C9)

R.T.: 3.687 min
Delta R.T.: 0.037 min
Response: 2124988
Conc: 19.93 ug/ml

Instrument :
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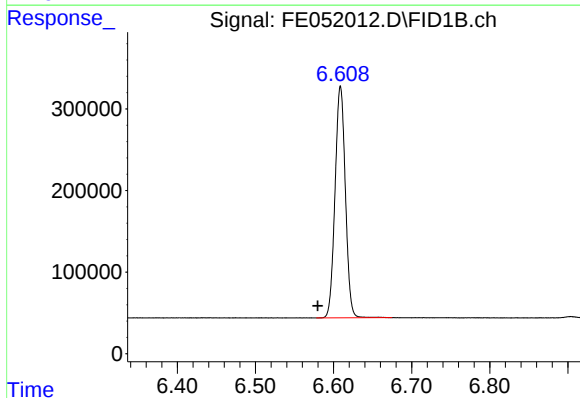
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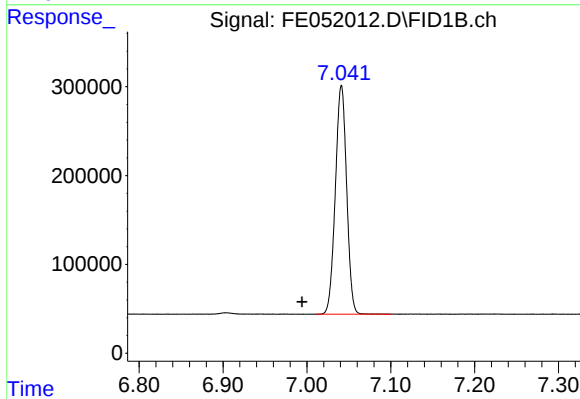
#2 n-Decane (C10)

R.T.: 4.914 min
Delta R.T.: 0.034 min
Response: 2297321
Conc: 20.98 ug/ml



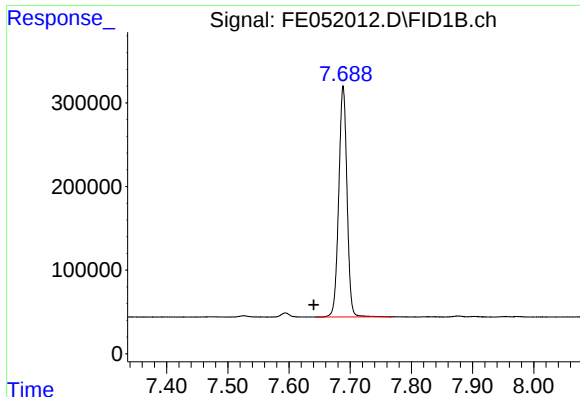
#3 A~Naphthalene (C11.7)

R.T.: 6.609 min
Delta R.T.: 0.029 min
Response: 2611821
Conc: 21.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.041 min
Delta R.T.: 0.047 min
Response: 2414393
Conc: 21.39 ug/ml



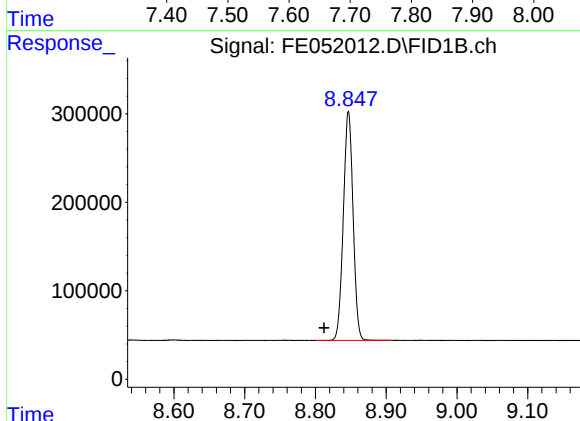
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.688 min
Delta R.T.: 0.048 min
Response: 2592011
Conc: 21.71 ug/ml

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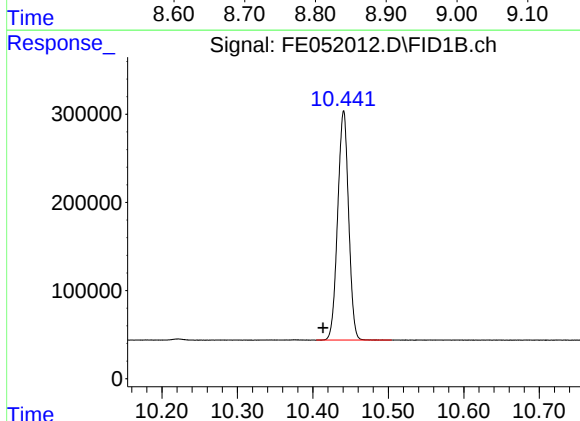
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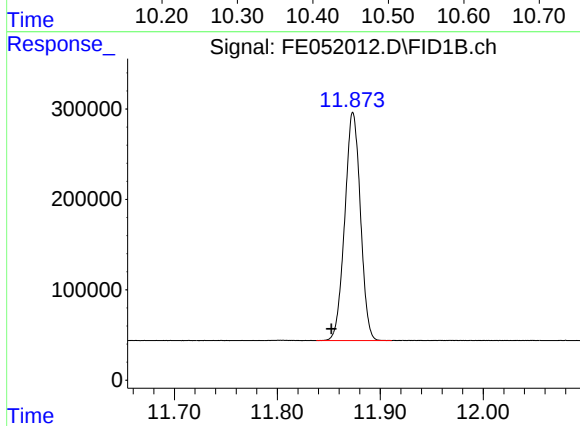
#6 n-Tetradecane (C14)

R.T.: 8.847 min
Delta R.T.: 0.034 min
Response: 2478948
Conc: 21.31 ug/ml



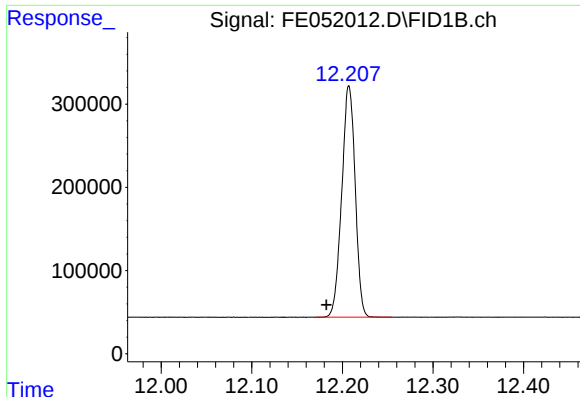
#7 n-Hexadecane (C16)

R.T.: 10.441 min
Delta R.T.: 0.027 min
Response: 2616106
Conc: 20.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.874 min
Delta R.T.: 0.021 min
Response: 2669250
Conc: 20.17 ug/ml



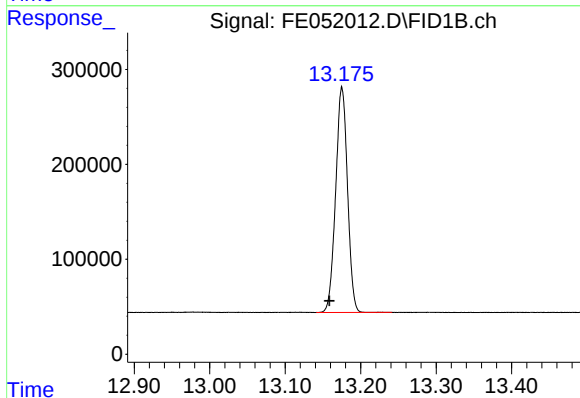
#9 ortho-Terphenyl (SURR)

R.T.: 12.207 min
Delta R.T.: 0.025 min
Response: 2871092
Conc: 20.09 ug/ml

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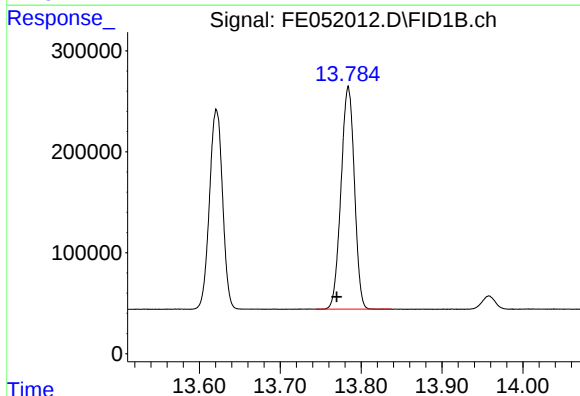
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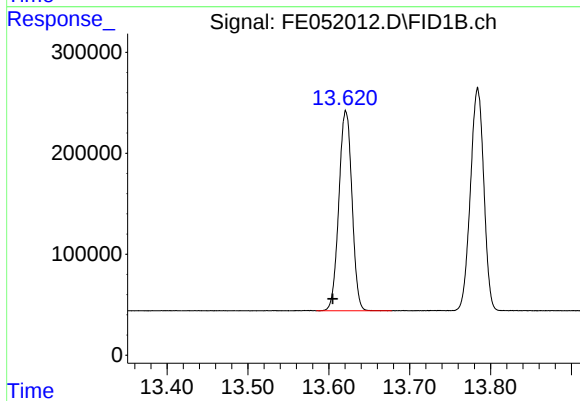
#10 n-Eicosane (C20)

R.T.: 13.175 min
Delta R.T.: 0.016 min
Response: 2585091
Conc: 19.72 ug/ml



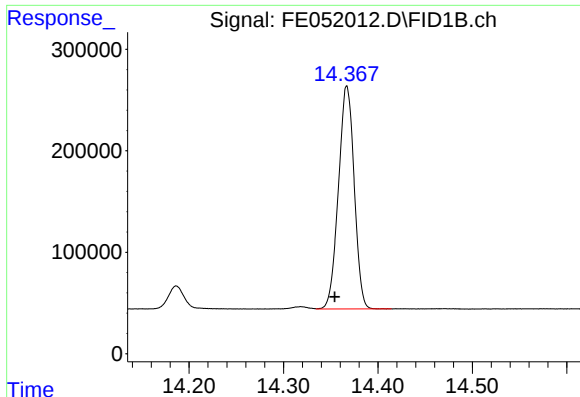
#11 n-Heneicosane (C21)

R.T.: 13.784 min
Delta R.T.: 0.014 min
Response: 2536168
Conc: 19.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.621 min
Delta R.T.: 0.016 min
Response: 2226640
Conc: 19.41 ug/ml



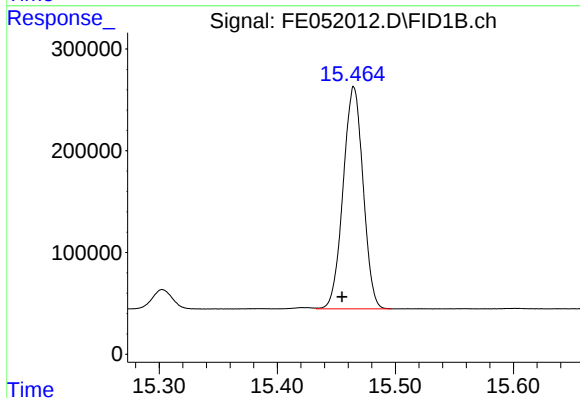
#13 n-Docosane (C22)

R.T.: 14.367 min
Delta R.T.: 0.013 min
Response: 2546010
Conc: 19.40 ug/ml

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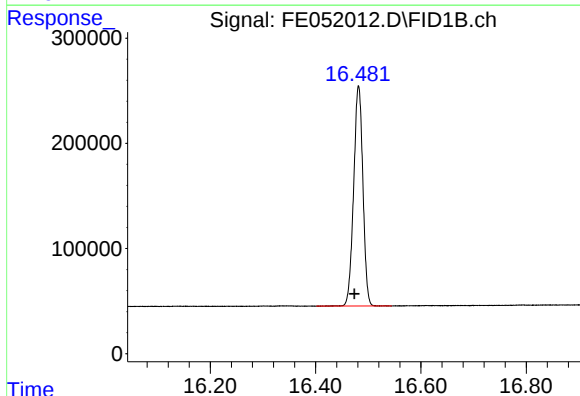
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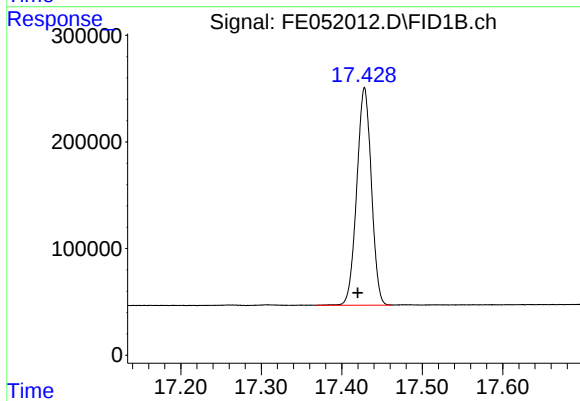
#14 n-Tetracosane (C24)

R.T.: 15.464 min
Delta R.T.: 0.009 min
Response: 2564608
Conc: 19.31 ug/ml m



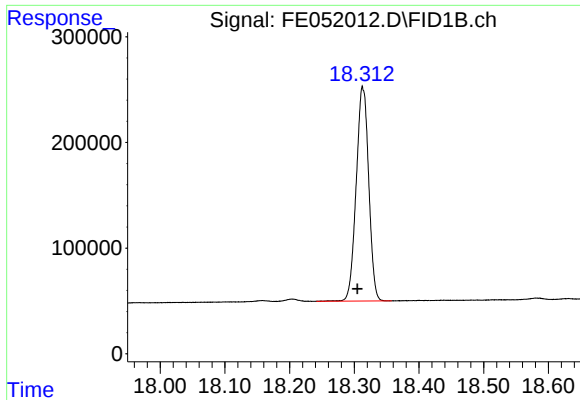
#15 n-Hexacosane (C26)

R.T.: 16.482 min
Delta R.T.: 0.008 min
Response: 2550650
Conc: 19.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.428 min
Delta R.T.: 0.008 min
Response: 2570228
Conc: 19.47 ug/ml m



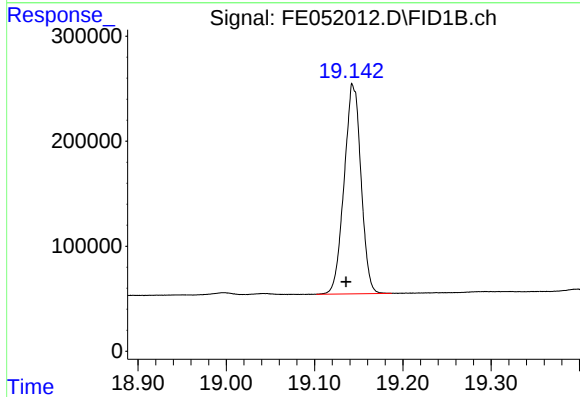
#17 n-Tricontane (C30)

R.T.: 18.313 min
Delta R.T.: 0.008 min
Response: 2726652
Conc: 20.00 ug/ml

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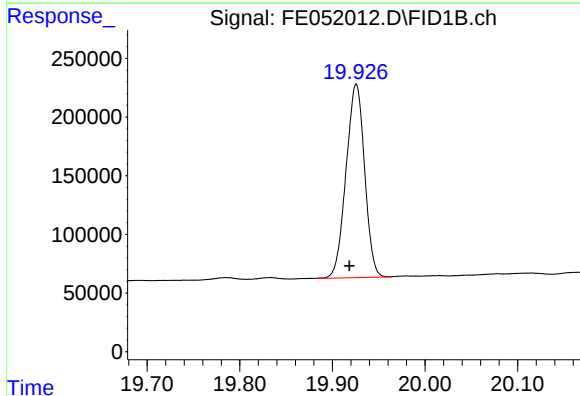
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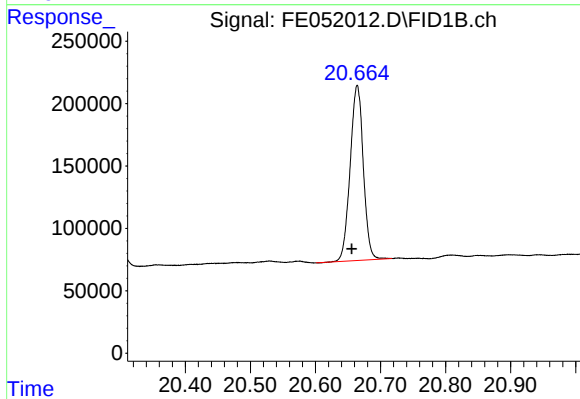
#18 n-Dotriacontane (C32)

R.T.: 19.142 min
Delta R.T.: 0.006 min
Response: 2653029
Conc: 20.24 ug/ml m



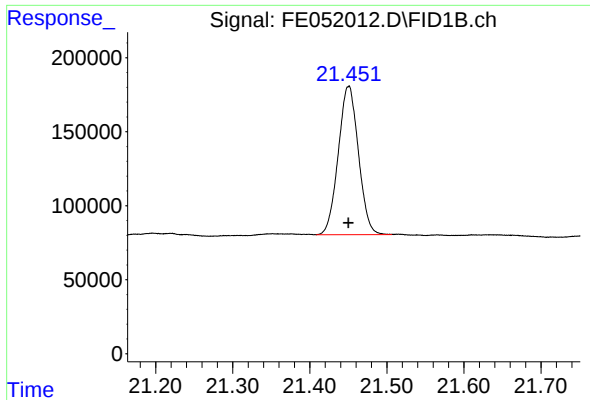
#19 n-Tetratriacontane (C34)

R.T.: 19.926 min
Delta R.T.: 0.007 min
Response: 2292585
Conc: 20.36 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.664 min
Delta R.T.: 0.008 min
Response: 1971088
Conc: 20.75 ug/ml



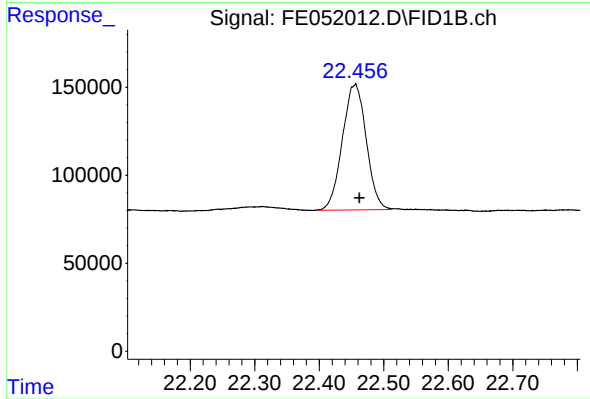
#21 n-Octatriacontane (C38)

R.T.: 21.451 min
Delta R.T.: 0.000 min
Response: 1824714
Conc: 21.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.456 min
Delta R.T.: -0.006 min
Response: 1835698
Conc: 22.27 ug/ml m