

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072224AL\
 Data File : FE049213.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jul 2024 08:48
 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 07/22/2024
 Supervised By :Ankita Jodhani 07/23/2024

Integration File: autoint1.e
 Quant Time: Jul 22 09:13:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 Qlast Update : Wed Jul 17 14:26:40 2024
 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)	11.909	2947449	19.003 ug/ml
Spiked Amount 50.000		Recovery =	38.01%
12) S 1-chlorooctadecane (S...	13.345	2245534	19.220 ug/ml
Spiked Amount 50.000		Recovery =	38.44%
Target Compounds			
1) T n-Nonane (C9)	3.299	2634856	17.520 ug/ml
2) T n-Decane (C10)	4.548	2832754	18.341 ug/ml
3) T A~Naphthalene (C11.7)	6.254	2859287	18.352 ug/ml
4) T n-Dodecane (C12)	6.714	2845779	18.482 ug/ml
5) T A~2-methylnaphthalene...	7.350	2682958	18.436 ug/ml
6) T n-Tetradecane (C14)	8.541	2804781	18.480 ug/ml
7) T n-Hexadecane (C16)	10.148	2877903	18.977 ug/ml
8) T n-Octadecane (C18)	11.591	2898366	19.089 ug/ml
10) T n-Eicosane (C20)	12.899	2767661	19.139 ug/ml
11) T n-Heneicosane (C21)	13.511	2714337	19.141 ug/ml
13) T n-Docosane (C22)	14.097	2719488	19.357 ug/ml
14) T n-Tetracosane (C24)	15.199	2772437	19.782 ug/ml
15) T n-Hexacosane (C26)	16.219	2805303	20.006 ug/ml
16) T n-Octacosane (C28)	17.168	2924267	20.893 ug/ml
17) T n-Tricontane (C30)	18.055	3276839	22.464 ug/ml
18) T n-Dotriacontane (C32)	18.887	3384039	23.015 ug/ml
19) T n-Tetratriacontane (C34)	19.669	3284412	22.485 ug/ml
20) T n-Hexatriacontane (C36)	20.407	3152176	21.866 ug/ml
21) T n-Octatriacontane (C38)	21.139	3272036	21.859 ug/ml
22) T n-Tetracontane (C40)	22.043	2835876	18.792 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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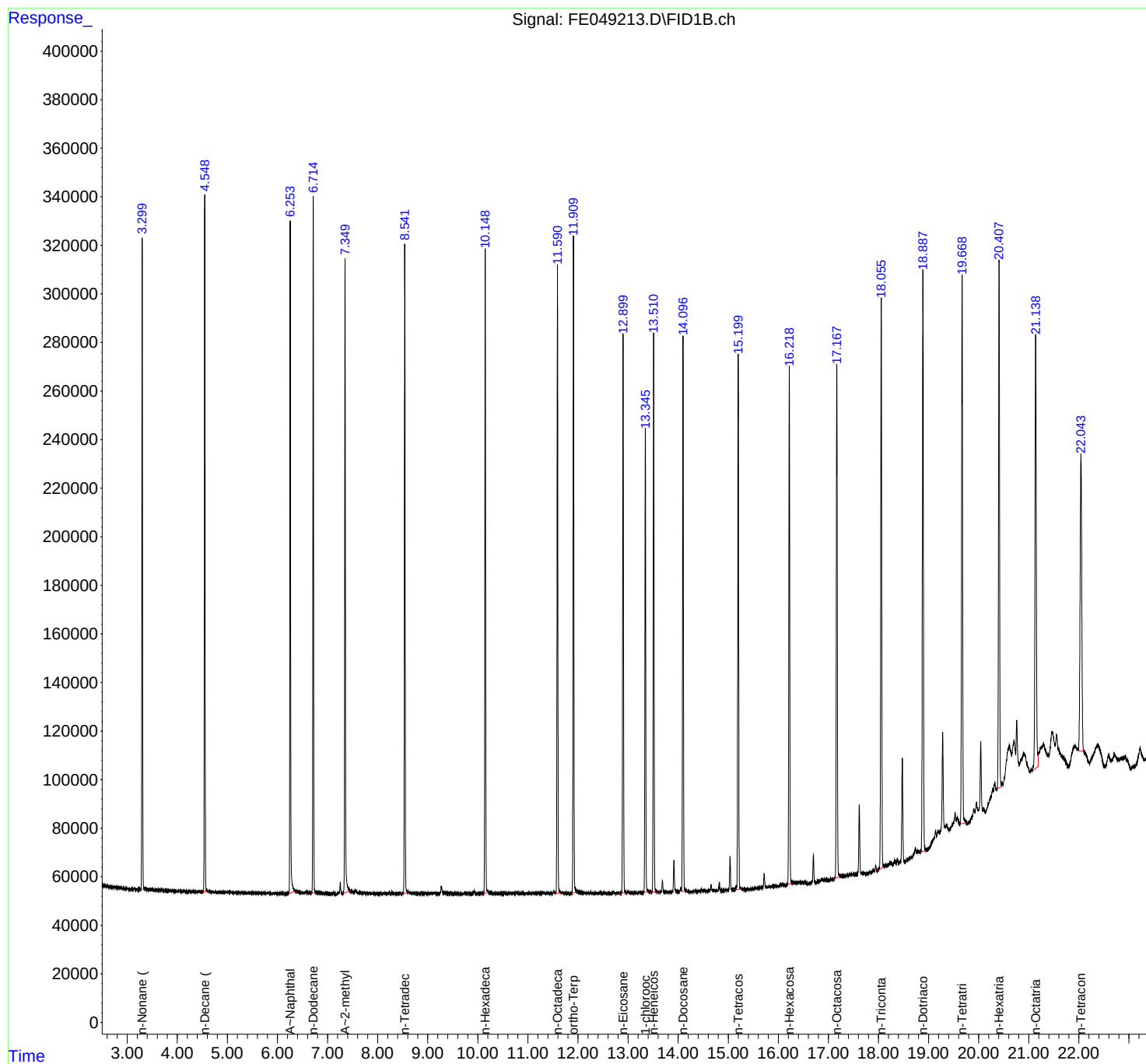
Instrument :
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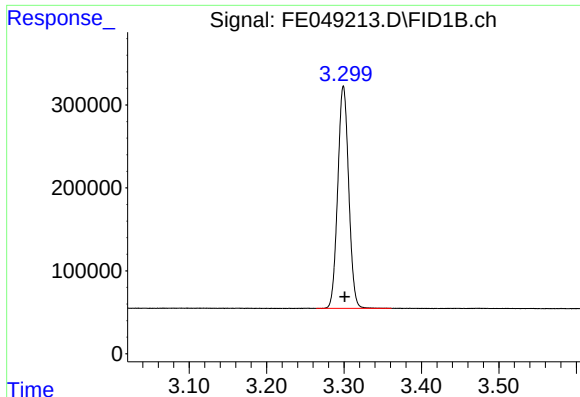
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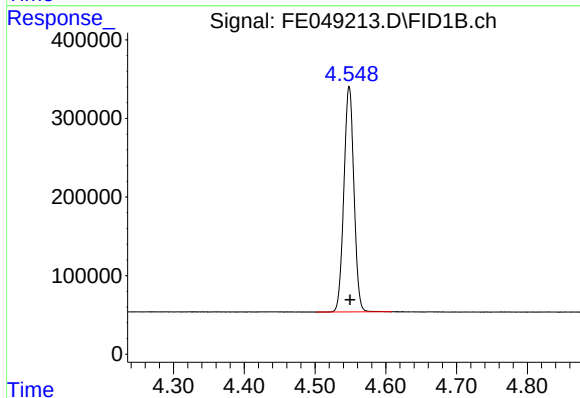
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: -0.002 min
Response: 2634856
Conc: 17.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

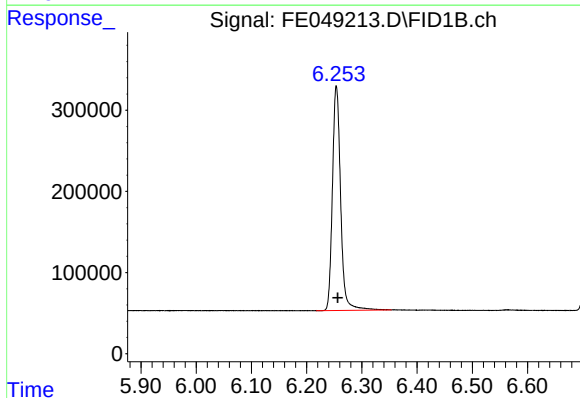
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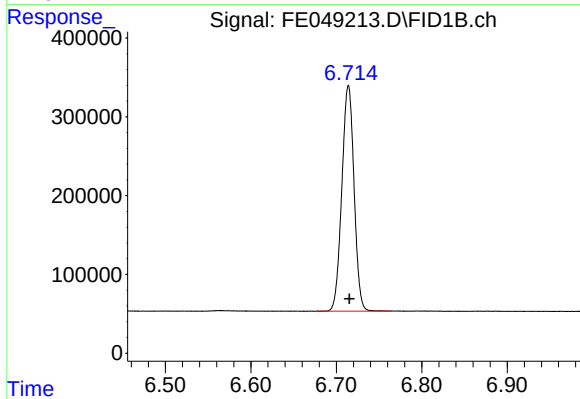
#2 n-Decane (C10)

R.T.: 4.548 min
Delta R.T.: -0.001 min
Response: 2832754
Conc: 18.34 ug/ml



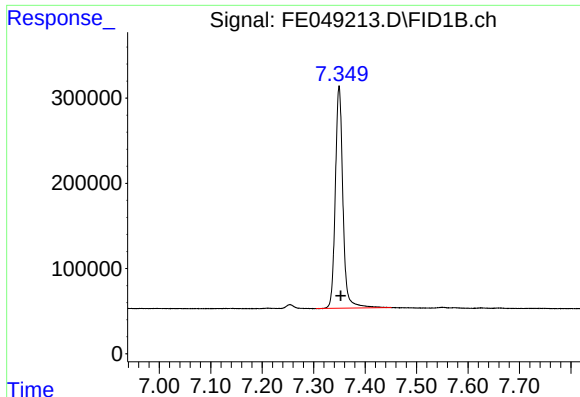
#3 A~Naphthalene (C11.7)

R.T.: 6.254 min
Delta R.T.: -0.003 min
Response: 2859287
Conc: 18.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 2845779
Conc: 18.48 ug/ml



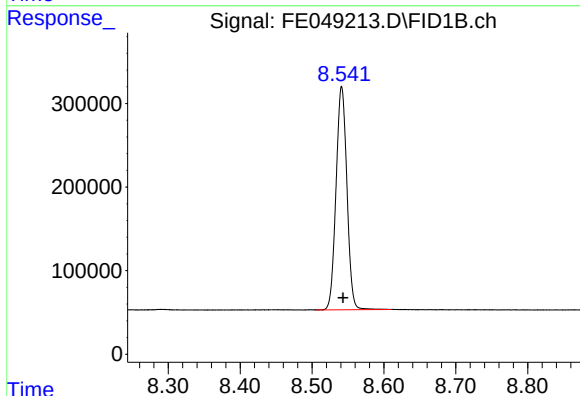
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.003 min
Response: 2682958
Conc: 18.44 ug/ml

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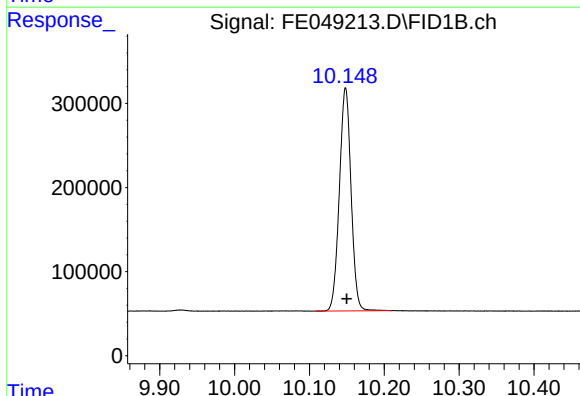
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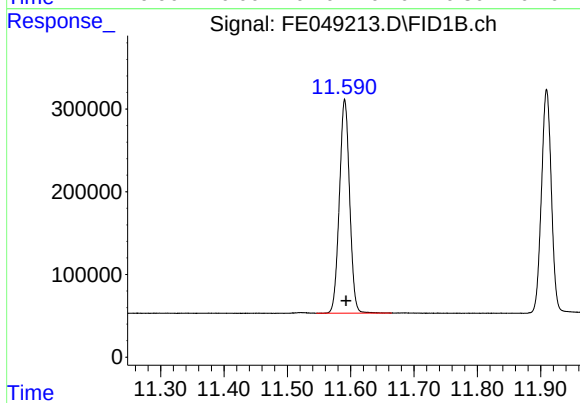
#6 n-Tetradecane (C14)

R.T.: 8.541 min
Delta R.T.: -0.002 min
Response: 2804781
Conc: 18.48 ug/ml



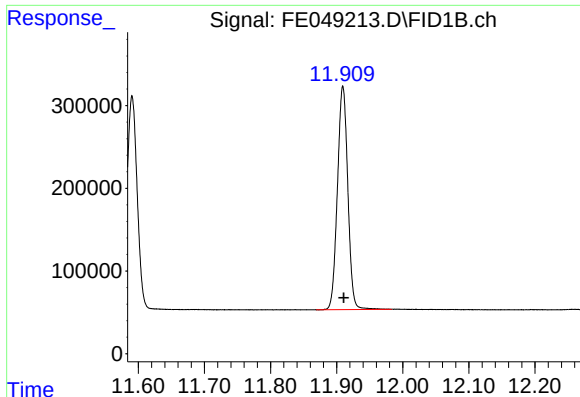
#7 n-Hexadecane (C16)

R.T.: 10.148 min
Delta R.T.: -0.001 min
Response: 2877903
Conc: 18.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.591 min
Delta R.T.: -0.002 min
Response: 2898366
Conc: 19.09 ug/ml



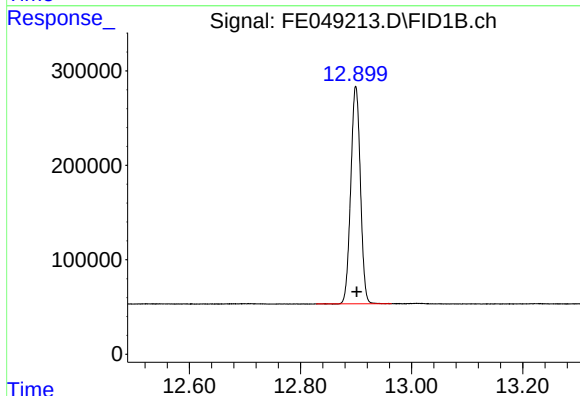
#9 ortho-Terphenyl (SURR)

R.T.: 11.909 min
Delta R.T.: -0.001 min
Response: 2947449
Conc: 19.00 ug/ml

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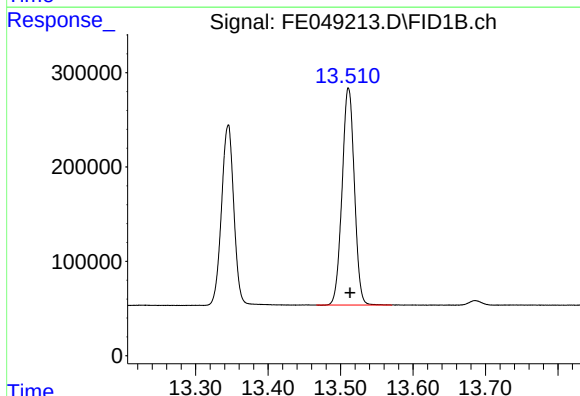
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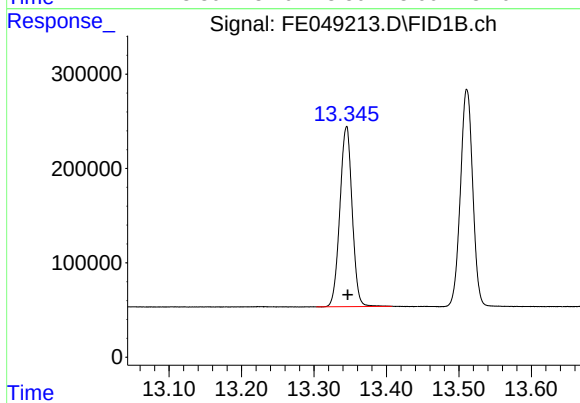
#10 n-Eicosane (C20)

R.T.: 12.899 min
Delta R.T.: -0.002 min
Response: 2767661
Conc: 19.14 ug/ml



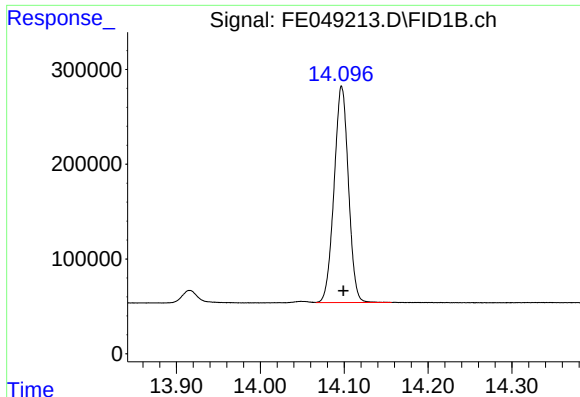
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.002 min
Response: 2714337
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.345 min
Delta R.T.: -0.001 min
Response: 2245534
Conc: 19.22 ug/ml



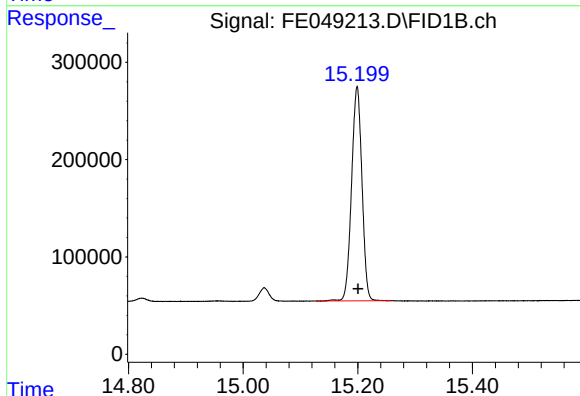
#13 n-Docosane (C22)

R.T.: 14.097 min
Delta R.T.: -0.002 min
Response: 2719488
Conc: 19.36 ug/ml

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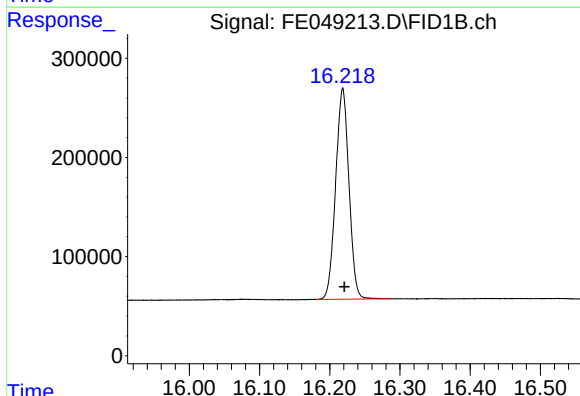
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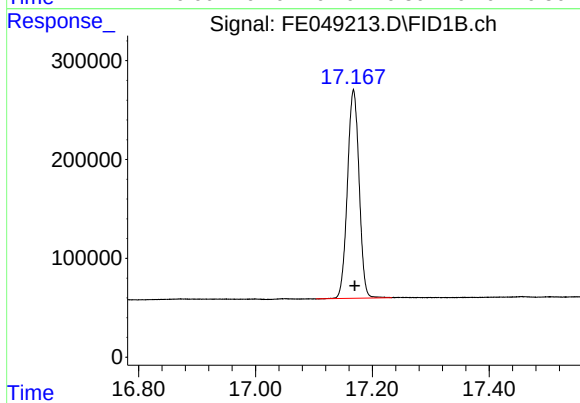
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.001 min
Response: 2772437
Conc: 19.78 ug/ml



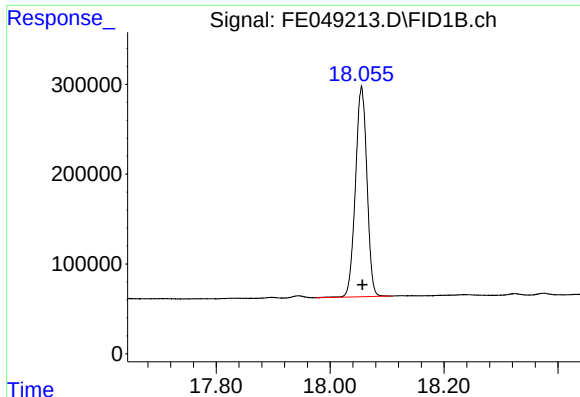
#15 n-Hexacosane (C26)

R.T.: 16.219 min
Delta R.T.: -0.002 min
Response: 2805303
Conc: 20.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.168 min
Delta R.T.: -0.002 min
Response: 2924267
Conc: 20.89 ug/ml



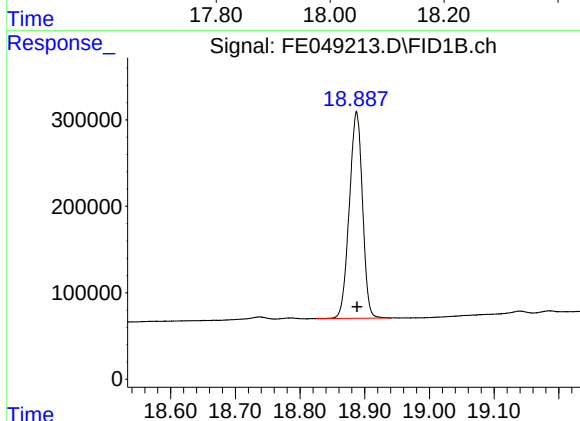
#17 n-Tricontane (C30)

R.T.: 18.055 min
Delta R.T.: -0.001 min
Response: 3276839
Conc: 22.46 ug/ml

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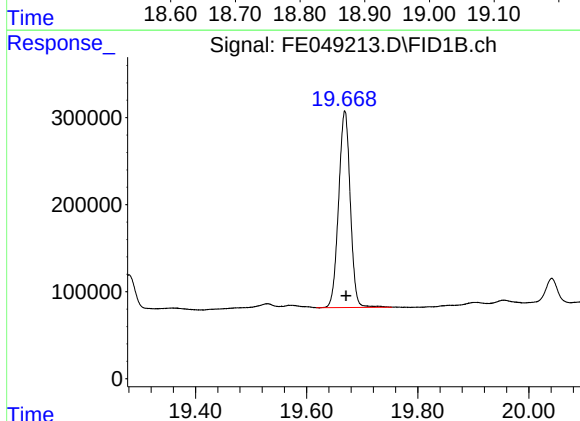
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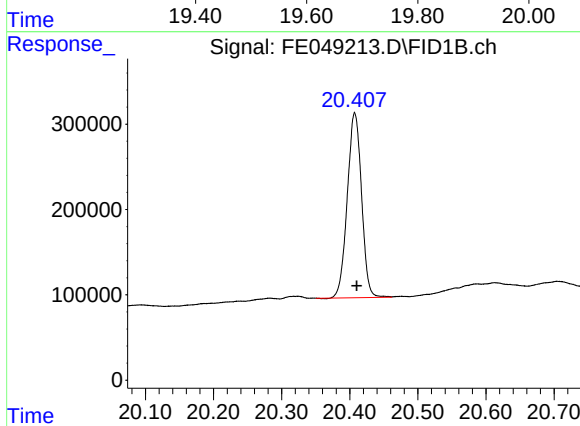
#18 n-Dotriacontane (C32)

R.T.: 18.887 min
Delta R.T.: 0.000 min
Response: 3384039
Conc: 23.01 ug/ml



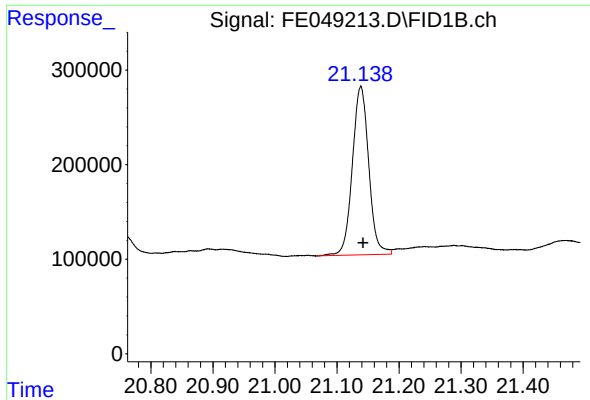
#19 n-Tetratriacontane (C34)

R.T.: 19.669 min
Delta R.T.: -0.002 min
Response: 3284412
Conc: 22.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.407 min
Delta R.T.: -0.003 min
Response: 3152176
Conc: 21.87 ug/ml



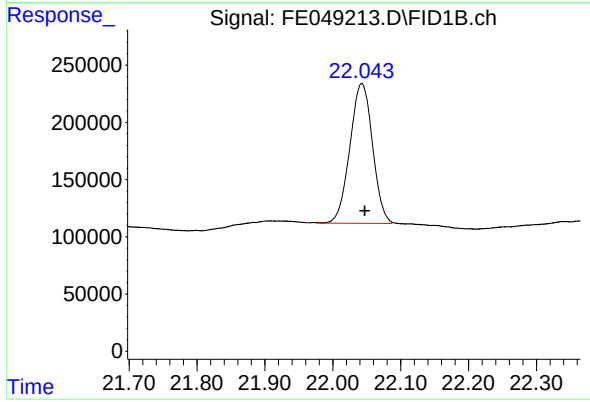
#21 n-Octatriacontane (C38)

R.T.: 21.139 min
Delta R.T.: -0.003 min
Response: 3272036
Conc: 21.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.043 min
Delta R.T.: -0.004 min
Response: 2835876
Conc: 18.79 ug/ml m