

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060524AL\
 Data File : FE048580.D
 Signal(s) : FID1B.ch
 Acq On : 05 Jun 2024 21:30
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/06/2024
 Supervised By :Ankita Jodhani 06/06/2024

Integration File: autoint1.e
 Quant Time: Jun 06 01:39:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.944	2571307	17.907 ug/ml
Spiked Amount 50.000		Recovery =	35.81%
12) S 1-chlorooctadecane (S...	13.379	1949713	17.897 ug/ml
Spiked Amount 50.000		Recovery =	35.79%
Target Compounds			
1) T n-Nonane (C9)	3.332	2598342	17.380 ug/ml
2) T n-Decane (C10)	4.581	2690001	17.814 ug/ml
3) T A~Naphthalene (C11.7)	6.287	2618889	17.588 ug/ml
4) T n-Dodecane (C12)	6.747	2629919	17.767 ug/ml
5) T A~2-methylnaphthalene...	7.383	2461948	17.756 ug/ml
6) T n-Tetradecane (C14)	8.574	2514873	17.731 ug/ml
7) T n-Hexadecane (C16)	10.182	2508798	17.796 ug/ml
8) T n-Octadecane (C18)	11.624	2482570	17.875 ug/ml
10) T n-Eicosane (C20)	12.933	2375533	17.951 ug/ml
11) T n-Heneicosane (C21)	13.545	2318779	17.902 ug/ml
13) T n-Docosane (C22)	14.131	2340847	18.165 ug/ml
14) T n-Tetracosane (C24)	15.233	2447234	18.890 ug/ml
15) T n-Hexacosane (C26)	16.252	2496783	19.264 ug/ml
16) T n-Octacosane (C28)	17.202	2601264	20.125 ug/ml
17) T n-Tricontane (C30)	18.089	2821599	21.063 ug/ml
18) T n-Dotriacontane (C32)	18.920	2872513	21.162 ug/ml
19) T n-Tetratriacontane (C34)	19.703	2693036	19.686 ug/ml
20) T n-Hexatriacontane (C36)	20.442	2575456	18.946 ug/ml
21) T n-Octatriacontane (C38)	21.180	2519138	18.472 ug/ml
22) T n-Tetracontane (C40)	22.096	2495598	18.226 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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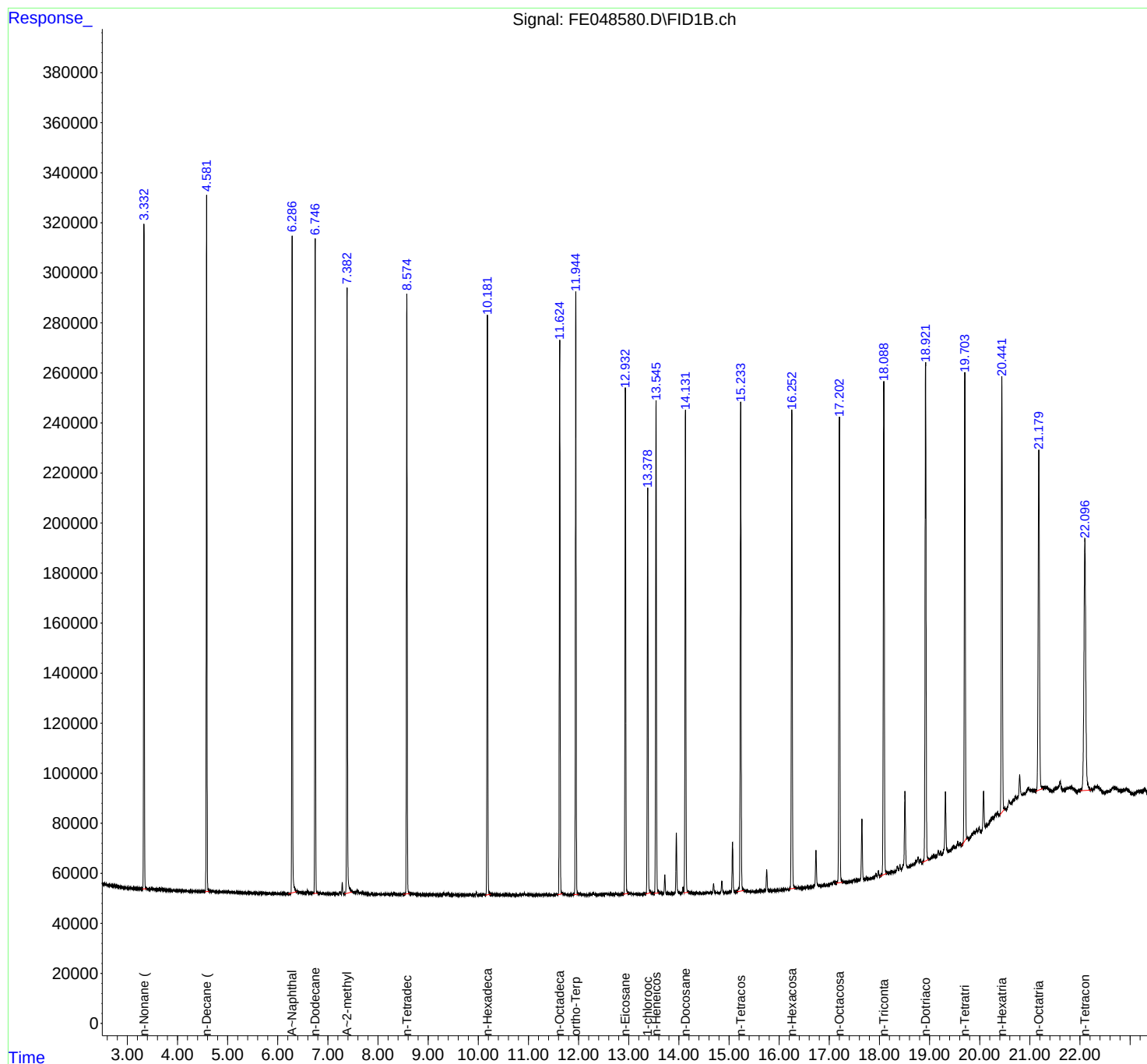
Instrument :
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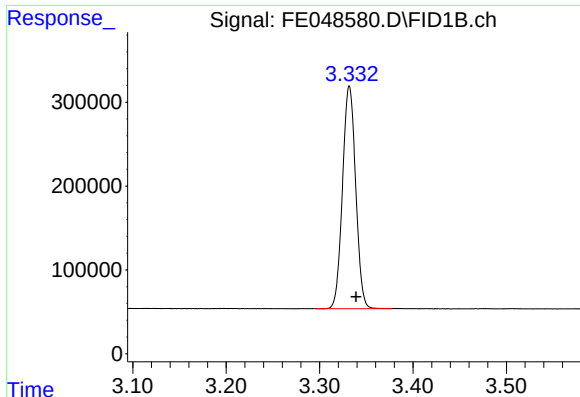
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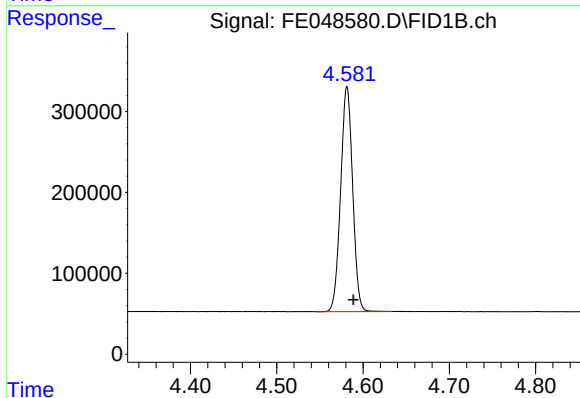
#1 n-Nonane (C9)

R.T.: 3.332 min
Delta R.T.: -0.007 min
Response: 2598342
Conc: 17.38 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

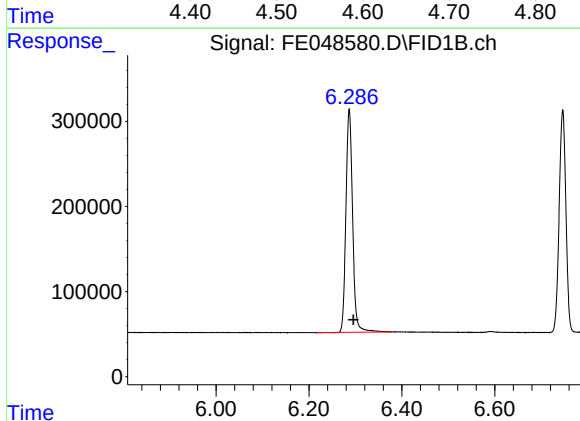
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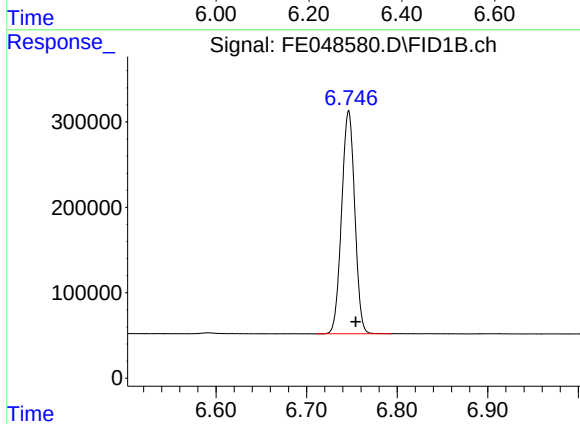
#2 n-Decane (C10)

R.T.: 4.581 min
Delta R.T.: -0.008 min
Response: 2690001
Conc: 17.81 ug/ml



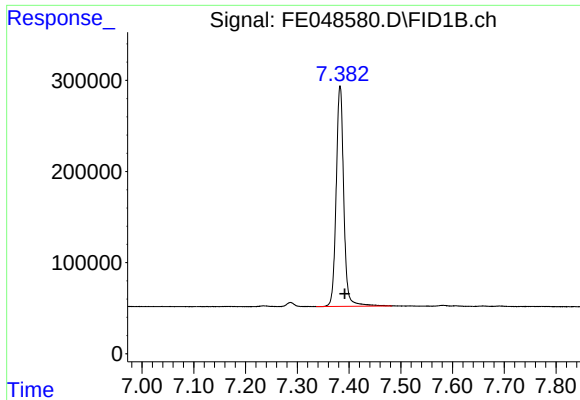
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.009 min
Response: 2618889
Conc: 17.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.008 min
Response: 2629919
Conc: 17.77 ug/ml



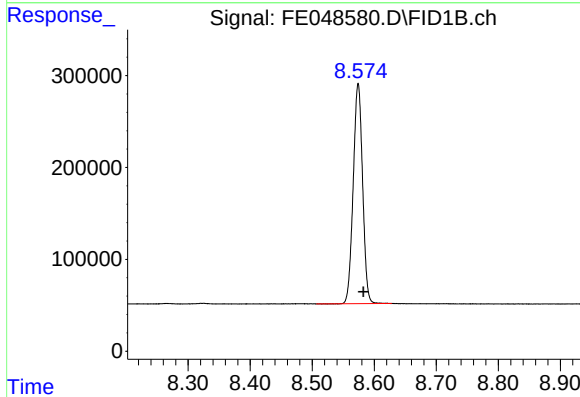
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.009 min
Response: 2461948
Conc: 17.76 ug/ml

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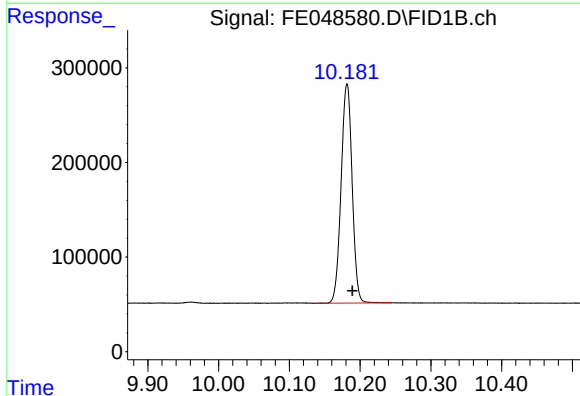
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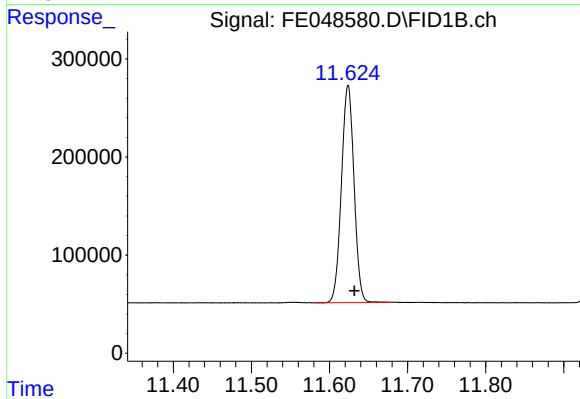
#6 n-Tetradecane (C14)

R.T.: 8.574 min
Delta R.T.: -0.008 min
Response: 2514873
Conc: 17.73 ug/ml



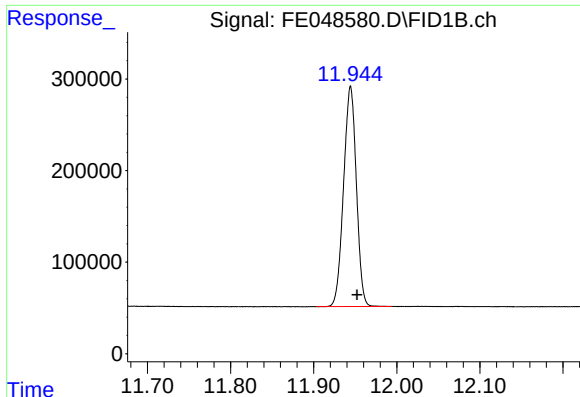
#7 n-Hexadecane (C16)

R.T.: 10.182 min
Delta R.T.: -0.008 min
Response: 2508798
Conc: 17.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.008 min
Response: 2482570
Conc: 17.87 ug/ml



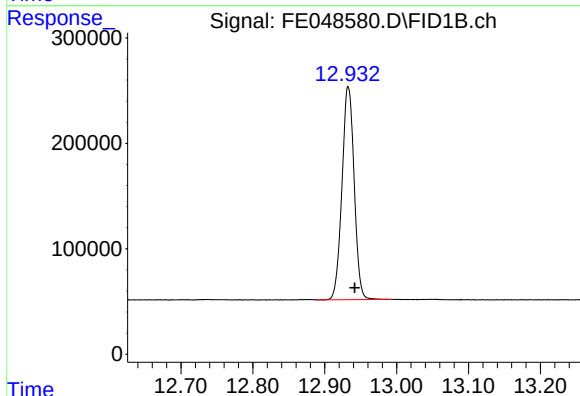
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.008 min
Response: 2571307
Conc: 17.91 ug/ml

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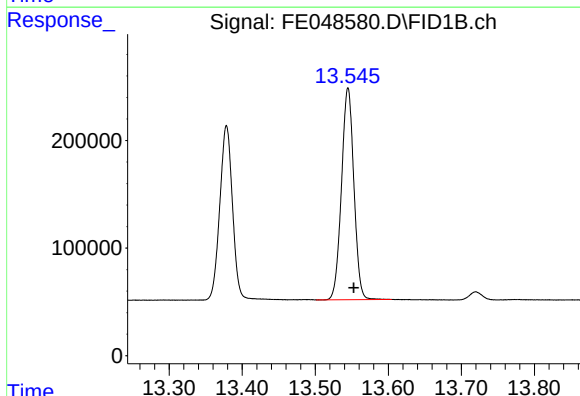
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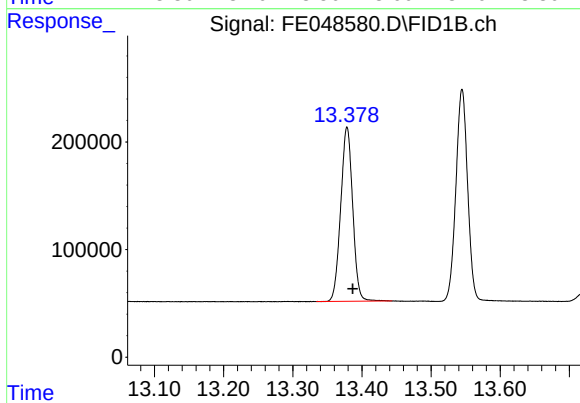
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.009 min
Response: 2375533
Conc: 17.95 ug/ml



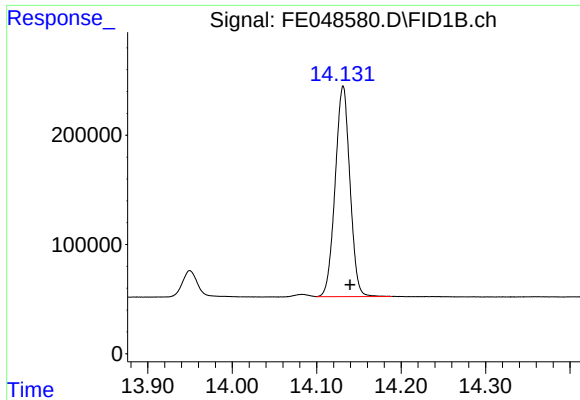
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.008 min
Response: 2318779
Conc: 17.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.008 min
Response: 1949713
Conc: 17.90 ug/ml



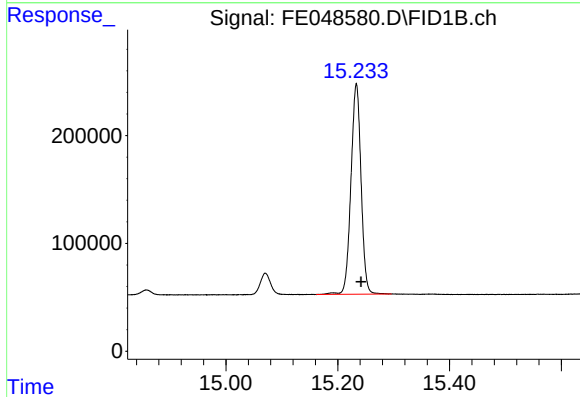
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.008 min
Response: 2340847
Conc: 18.17 ug/ml

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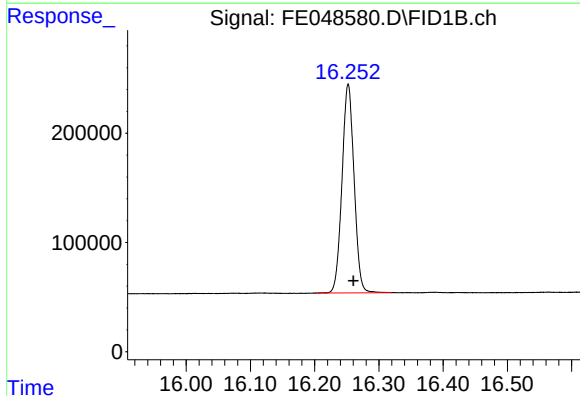
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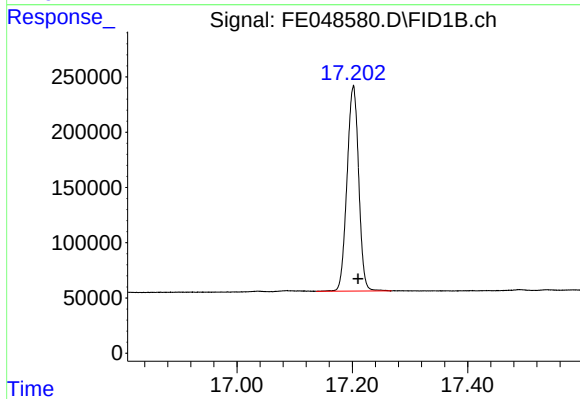
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.008 min
Response: 2447234
Conc: 18.89 ug/ml



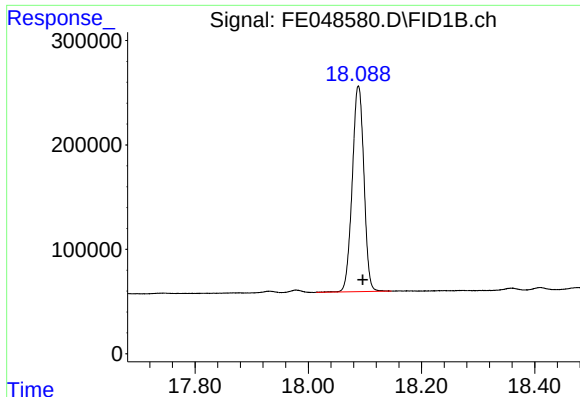
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: -0.008 min
Response: 2496783
Conc: 19.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.202 min
Delta R.T.: -0.008 min
Response: 2601264
Conc: 20.13 ug/ml



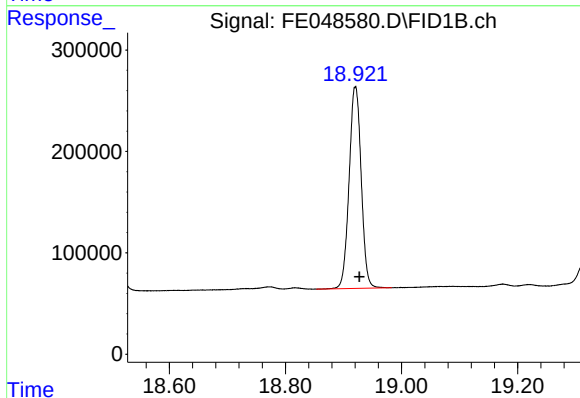
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.008 min
Response: 2821599
Conc: 21.06 ug/ml

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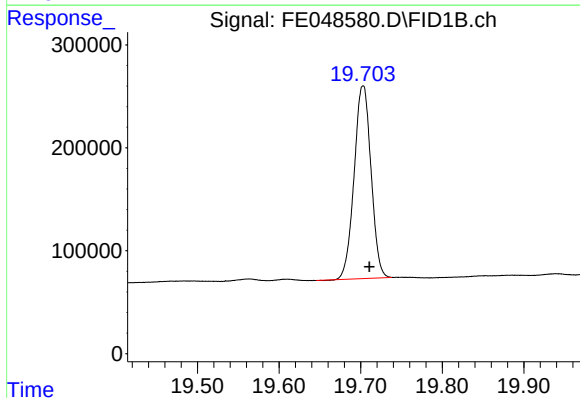
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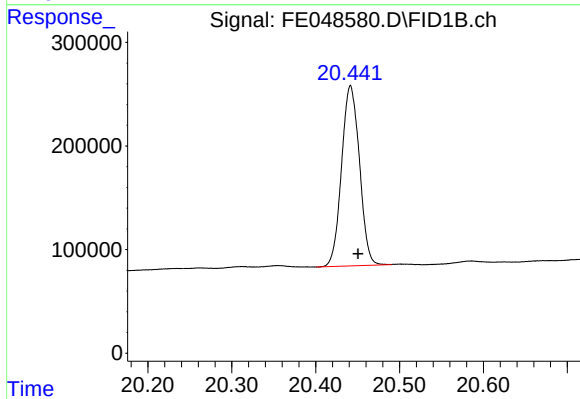
#18 n-Dotriacontane (C32)

R.T.: 18.920 min
Delta R.T.: -0.007 min
Response: 2872513
Conc: 21.16 ug/ml



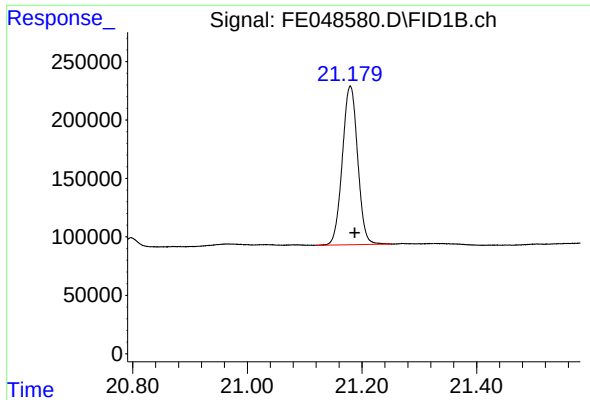
#19 n-Tetratriacontane (C34)

R.T.: 19.703 min
Delta R.T.: -0.008 min
Response: 2693036
Conc: 19.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.442 min
Delta R.T.: -0.009 min
Response: 2575456
Conc: 18.95 ug/ml



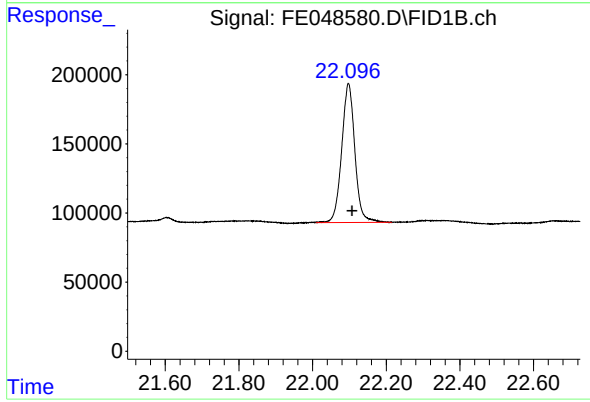
#21 n-Octatriacontane (C38)

R.T.: 21.180 min
Delta R.T.: -0.008 min
Response: 2519138
Conc: 18.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.096 min
Delta R.T.: -0.011 min
Response: 2495598
Conc: 18.23 ug/ml m