

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121523AL\
 Data File : FE045851.D
 Signal(s) : FID1B.ch
 Acq On : 15 Dec 2023 09:30
 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 12/18/2023
 Supervised By :Ankita Jodhani 12/18/2023

Integration File: autoint1.e
 Quant Time: Dec 15 22:34:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.840	4048235	19.359 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
12) S 1-chlorooctadecane (S...	13.283	2954071	18.774 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
Target Compounds			
1) T n-Nonane (C9)	3.230	3407661	21.489 ug/ml
2) T n-Decane (C10)	4.481	3444642	21.511 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3734362	21.438 ug/ml
4) T n-Dodecane (C12)	6.648	3478908	21.537 ug/ml
5) T A~2-methylnaphthalene...	7.276	3621007	21.323 ug/ml
6) T n-Tetradecane (C14)	8.474	3455396	21.539 ug/ml
7) T n-Hexadecane (C16)	10.083	3494284	21.102 ug/ml
8) T n-Octadecane (C18)	11.528	3472566	20.254 ug/ml
10) T n-Eicosane (C20)	12.839	3319541	19.186 ug/ml
11) T n-Heneicosane (C21)	13.451	3241123	18.840 ug/ml
13) T n-Docosane (C22)	14.038	3173251	18.404 ug/ml
14) T n-Tetracosane (C24)	15.143	3076897	17.625 ug/ml
15) T n-Hexacosane (C26)	16.166	2993590	17.189 ug/ml
16) T n-Octacosane (C28)	17.118	2942865	17.027 ug/ml
17) T n-Tricontane (C30)	18.007	2986632	17.072 ug/ml
18) T n-Dotriacontane (C32)	18.842	2996317	16.424 ug/ml
19) T n-Tetratriacontane (C34)	19.628	3055531	18.414 ug/ml
20) T n-Hexatriacontane (C36)	20.370	3137262	19.764 ug/ml
21) T n-Octatriacontane (C38)	21.102	3184457	20.307 ug/ml
22) T n-Tetracontane (C40)	21.999	3451658	24.288 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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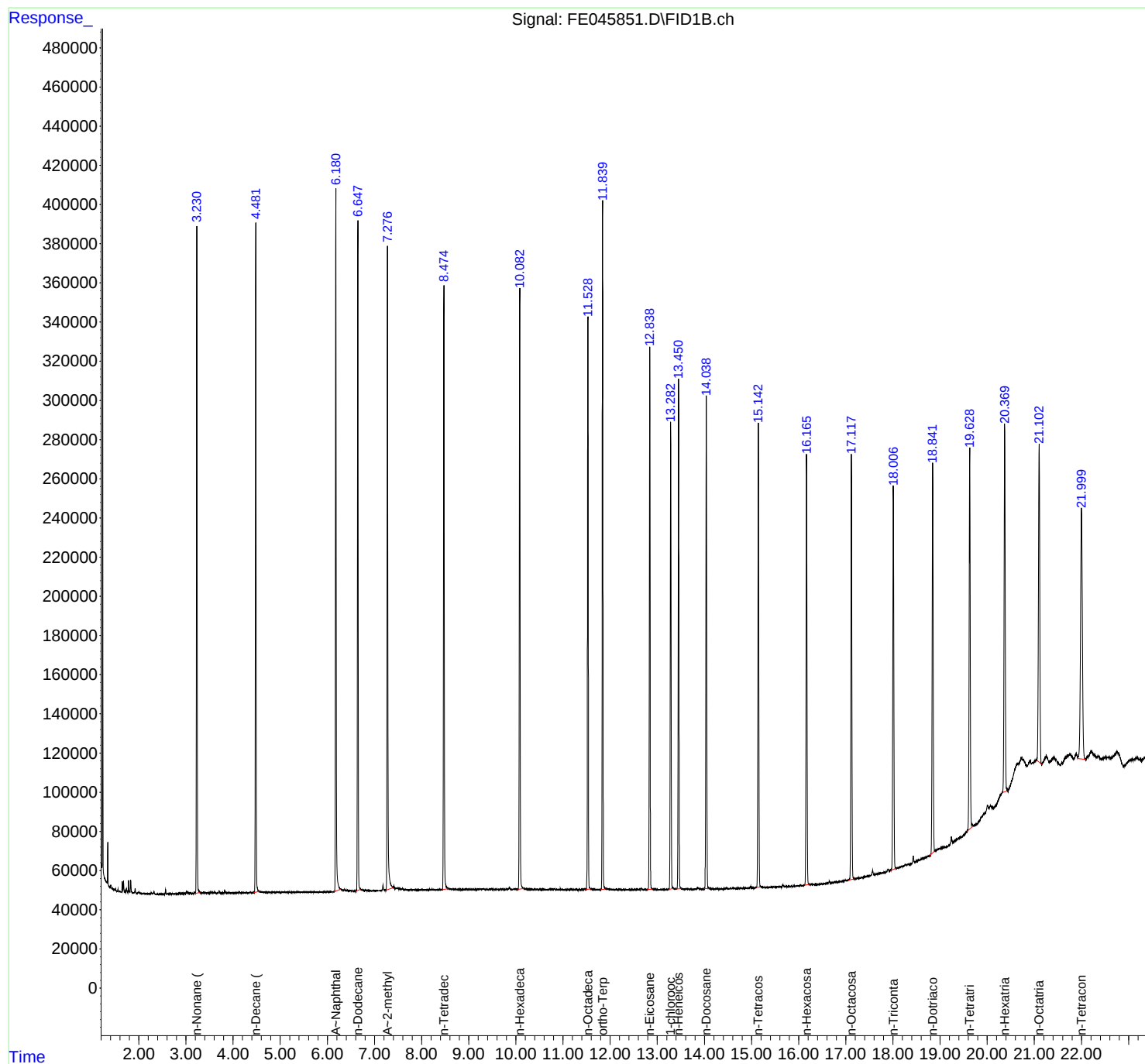
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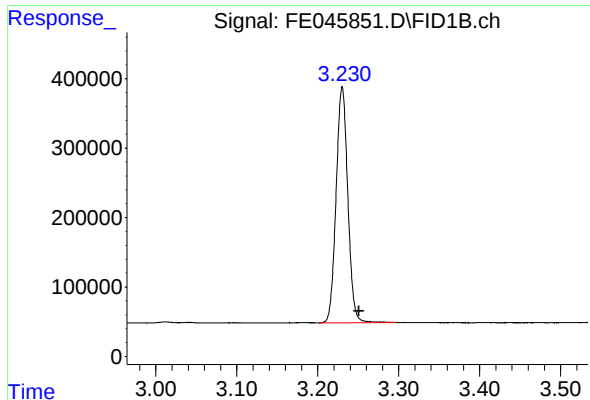
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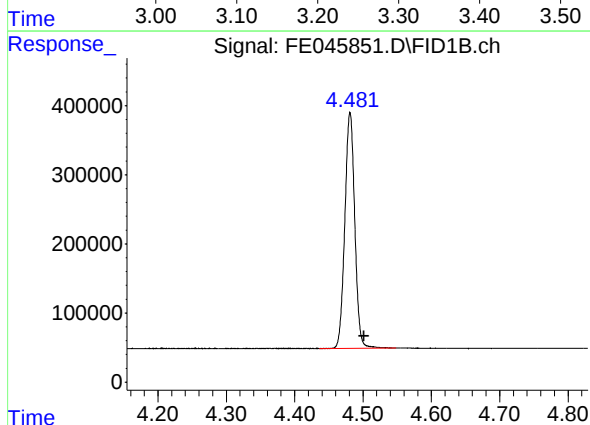
#1 n-Nonane (C9)

R.T.: 3.230 min
Delta R.T.: -0.021 min
Response: 3407661
Conc: 21.49 ug/ml

Instrument :
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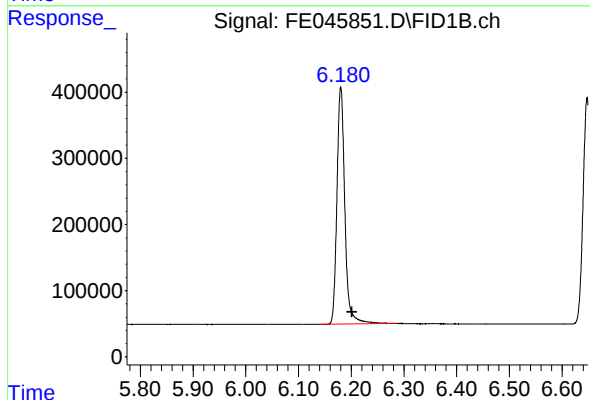
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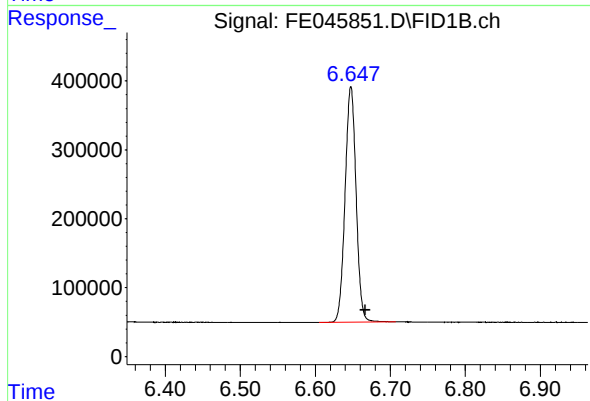
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.020 min
Response: 3444642
Conc: 21.51 ug/ml



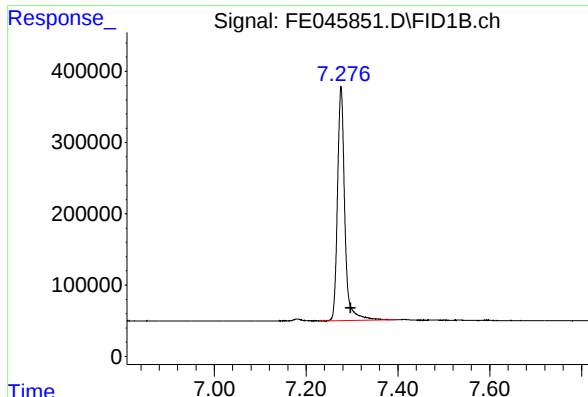
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.021 min
Response: 3734362
Conc: 21.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.020 min
Response: 3478908
Conc: 21.54 ug/ml



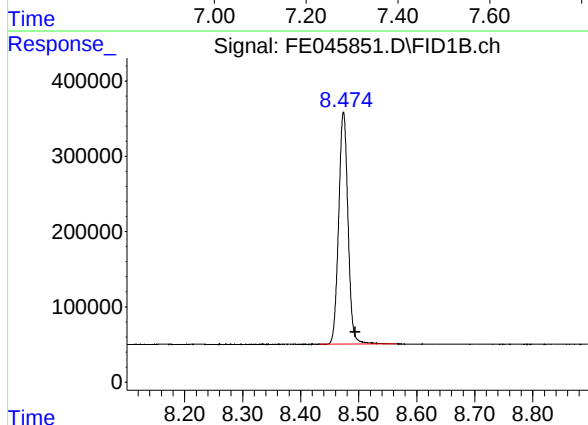
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.021 min
Response: 3621007
Conc: 21.32 ug/ml

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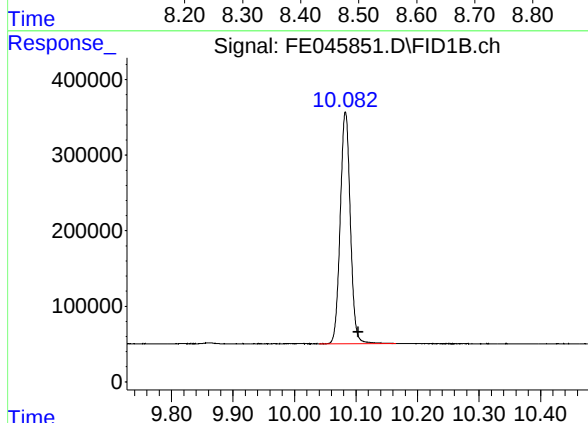
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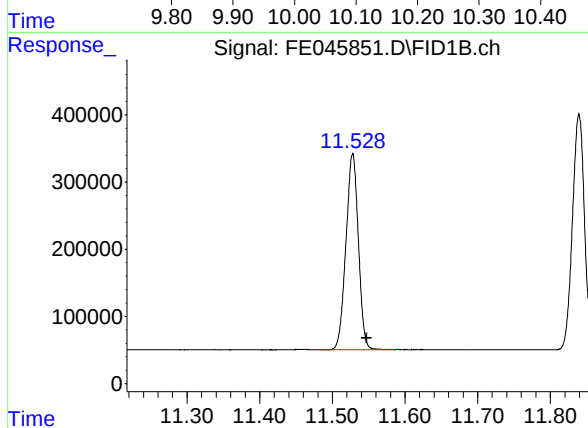
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.020 min
Response: 3455396
Conc: 21.54 ug/ml



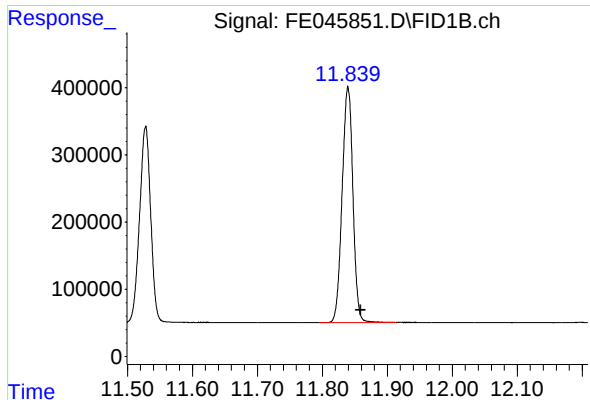
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.021 min
Response: 3494284
Conc: 21.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.019 min
Response: 3472566
Conc: 20.25 ug/ml



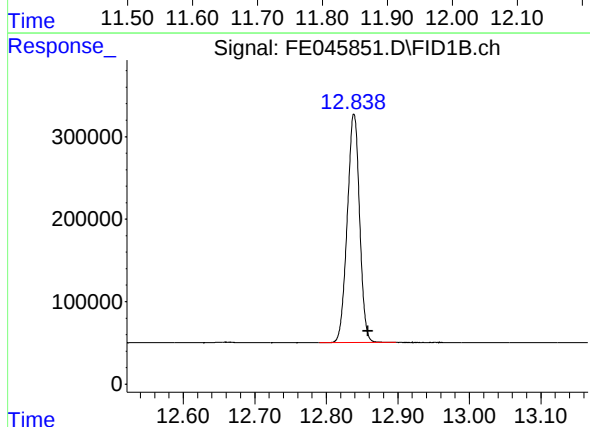
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.019 min
Response: 4048235
Conc: 19.36 ug/ml

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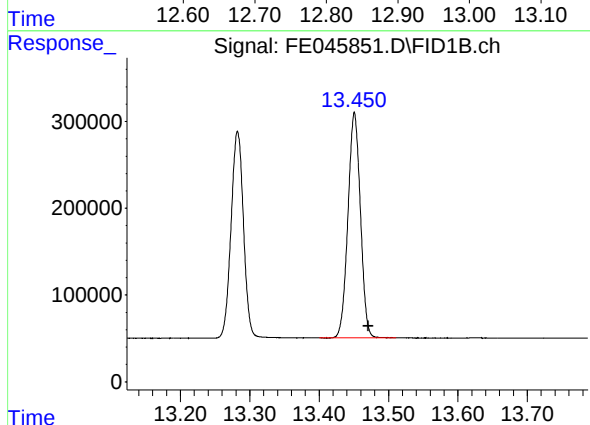
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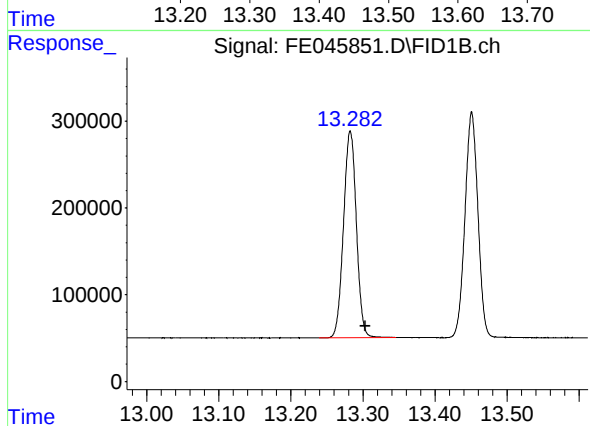
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.020 min
Response: 3319541
Conc: 19.19 ug/ml



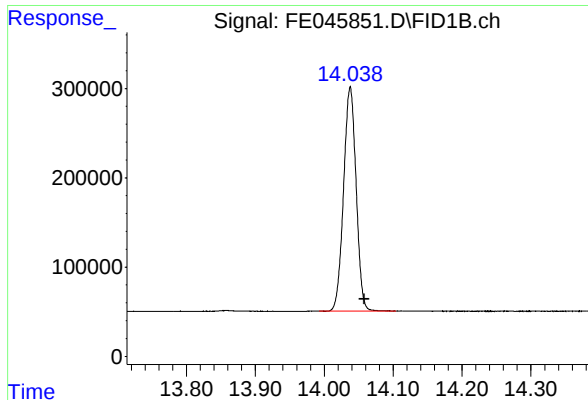
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.020 min
Response: 3241123
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.020 min
Response: 2954071
Conc: 18.77 ug/ml



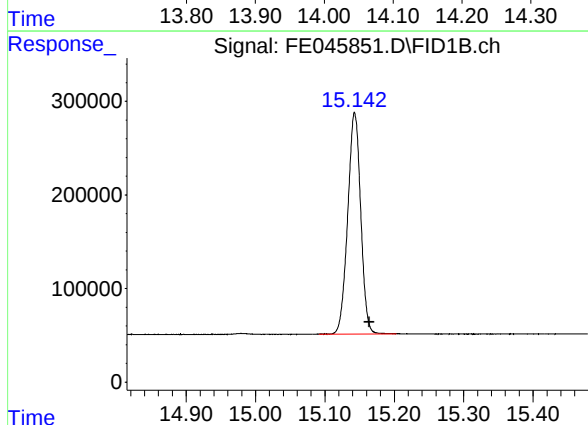
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.020 min
Response: 3173251
Conc: 18.40 ug/ml

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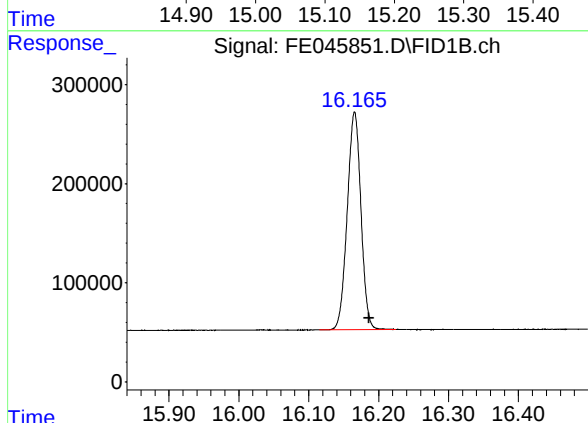
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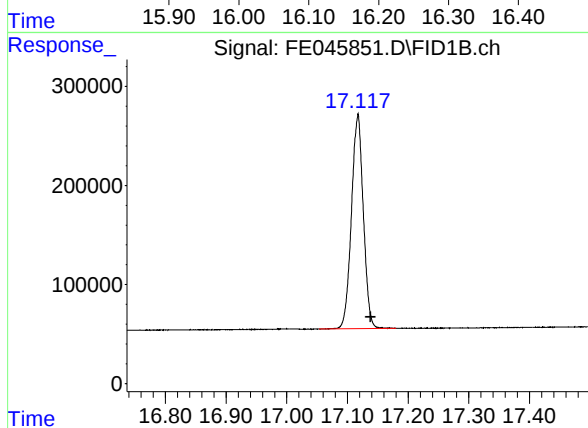
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.021 min
Response: 3076897
Conc: 17.62 ug/ml



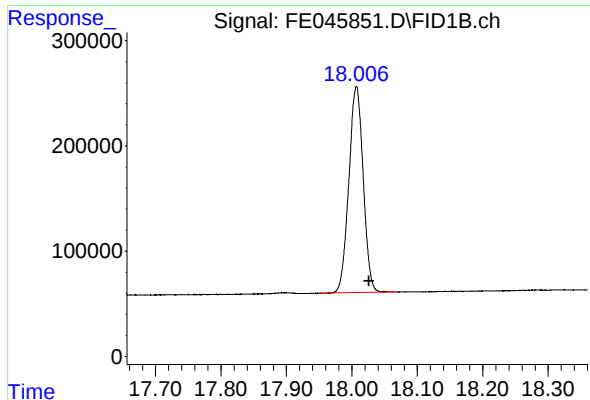
#15 n-Hexacosane (C26)

R.T.: 16.166 min
Delta R.T.: -0.020 min
Response: 2993590
Conc: 17.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: -0.021 min
Response: 2942865
Conc: 17.03 ug/ml



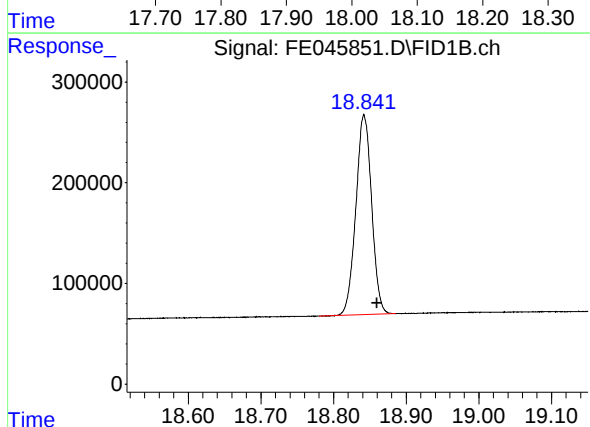
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.019 min
Response: 2986632
Conc: 17.07 ug/ml

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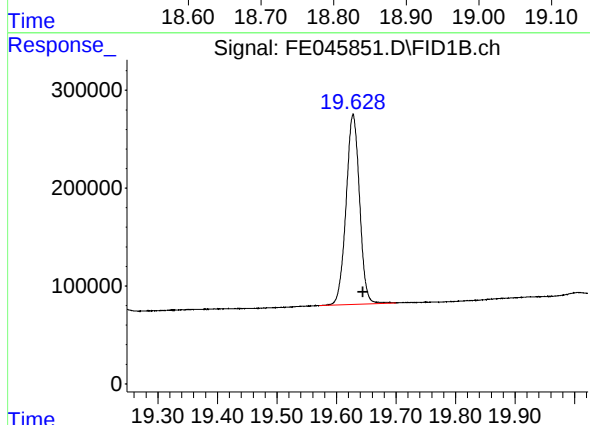
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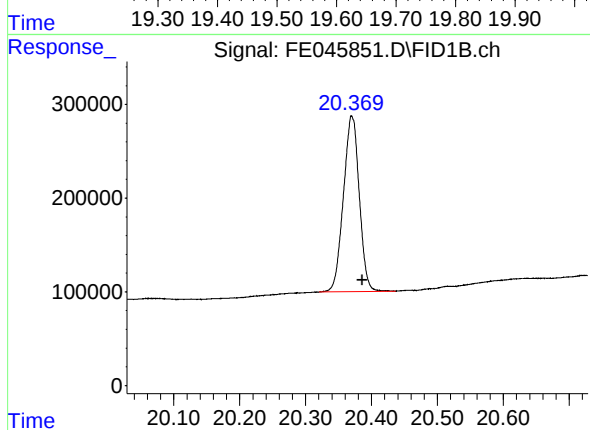
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.018 min
Response: 2996317
Conc: 16.42 ug/ml



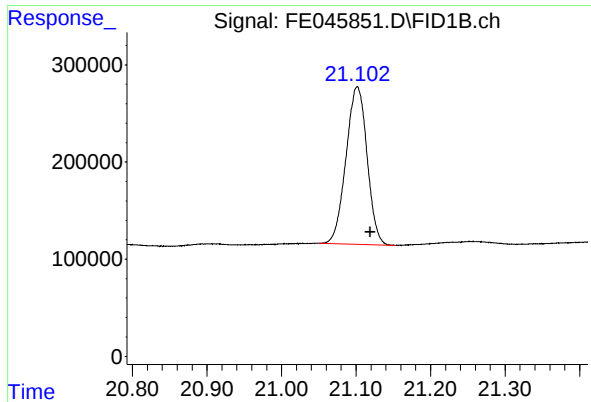
#19 n-Tetratriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.017 min
Response: 3055531
Conc: 18.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.016 min
Response: 3137262
Conc: 19.76 ug/ml



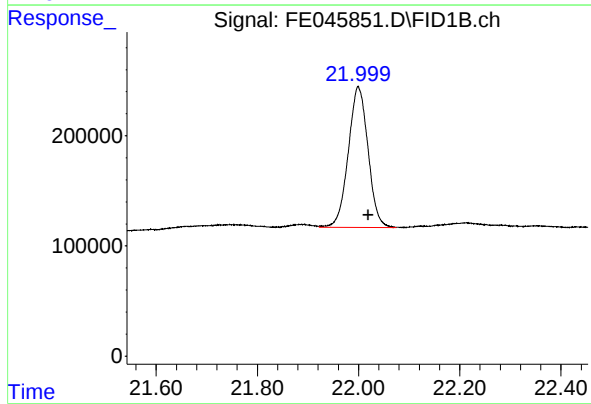
#21 n-Octatriacontane (C38)

R.T.: 21.102 min
Delta R.T.: -0.017 min
Response: 3184457
Conc: 20.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.020 min
Response: 3451658
Conc: 24.29 ug/ml m