

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111423AL\
 Data File : FE045351.D
 Signal(s) : FID1B.ch
 Acq On : 14 Nov 2023 21:31
 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 11/15/2023
 Supervised By :Ankita Jodhani 11/15/2023

Integration File: autoint1.e
 Quant Time: Nov 14 22:08:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.879	3911235	20.485 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
12) S 1-chlorooctadecane (S...	13.321	2834169	20.576 ug/ml
Spiked Amount 50.000		Recovery =	41.15%
Target Compounds			
1) T n-Nonane (C9)	3.266	3371496	20.409 ug/ml
2) T n-Decane (C10)	4.517	3486742	20.794 ug/ml
3) T A~Naphthalene (C11.7)	6.218	3653984	20.471 ug/ml
4) T n-Dodecane (C12)	6.684	3505058	20.754 ug/ml
5) T A~2-methylnaphthalene...	7.314	3507224	20.424 ug/ml
6) T n-Tetradecane (C14)	8.510	3436626	20.620 ug/ml
7) T n-Hexadecane (C16)	10.119	3454534	20.538 ug/ml
8) T n-Octadecane (C18)	11.565	3400535	20.317 ug/ml
10) T n-Eicosane (C20)	12.876	3233925	20.415 ug/ml
11) T n-Heneicosane (C21)	13.490	3141862	20.434 ug/ml
13) T n-Docosane (C22)	14.077	3112756	20.544 ug/ml
14) T n-Tetracosane (C24)	15.181	3087834	20.848 ug/ml
15) T n-Hexacosane (C26)	16.204	3059425	20.990 ug/ml
16) T n-Octacosane (C28)	17.156	3136760	21.466 ug/ml
17) T n-Tricontane (C30)	18.045	3368850	22.178 ug/ml
18) T n-Dotriacontane (C32)	18.878	3513236	22.489 ug/mlm
19) T n-Tetratriacontane (C34)	19.663	3489984	22.352 ug/mlm
20) T n-Hexatriacontane (C36)	20.406	3448293	21.244 ug/mlm
21) T n-Octatriacontane (C38)	21.144	3731597	22.460 ug/ml
22) T n-Tetracontane (C40)	22.053	3501077	20.497 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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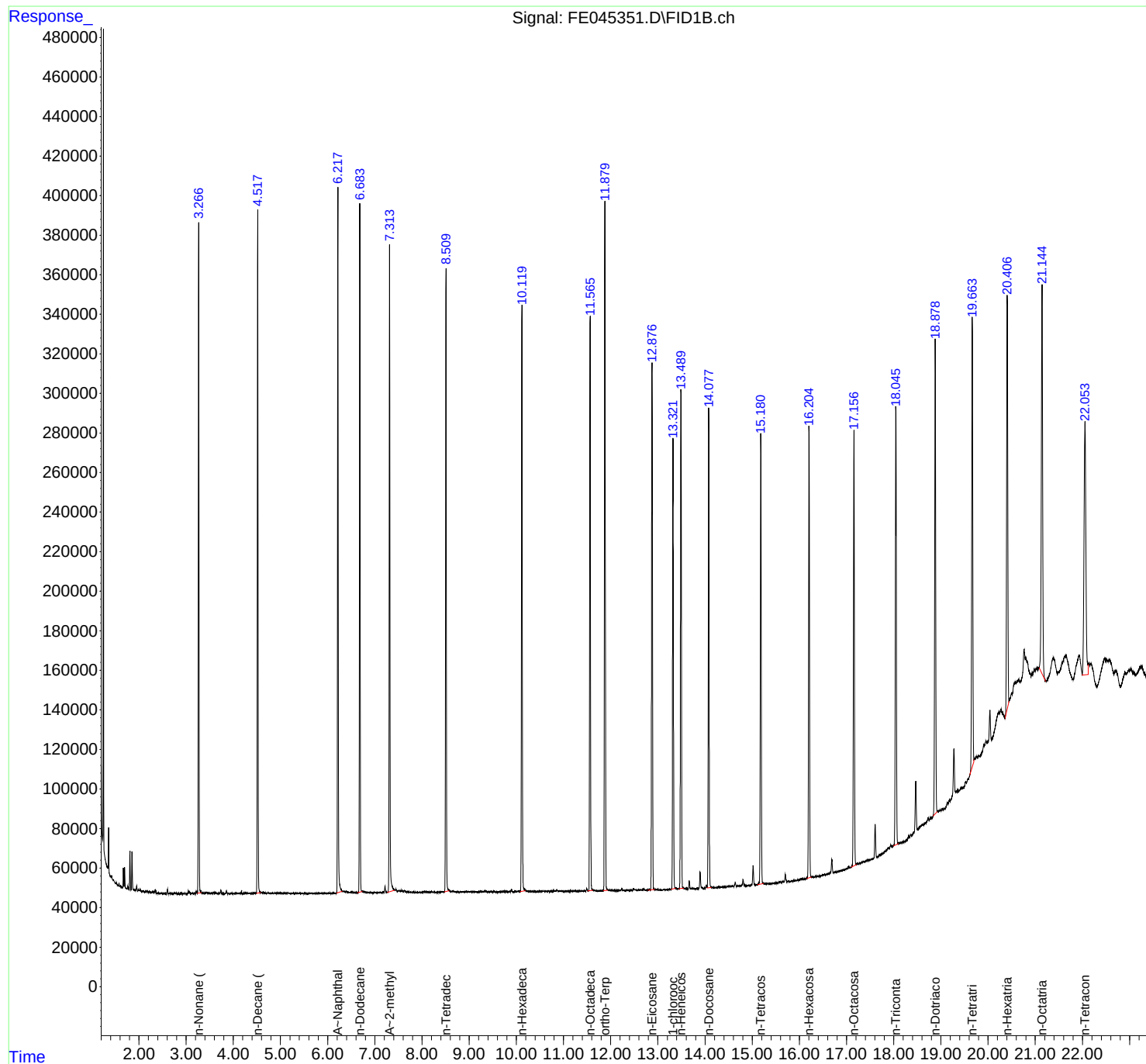
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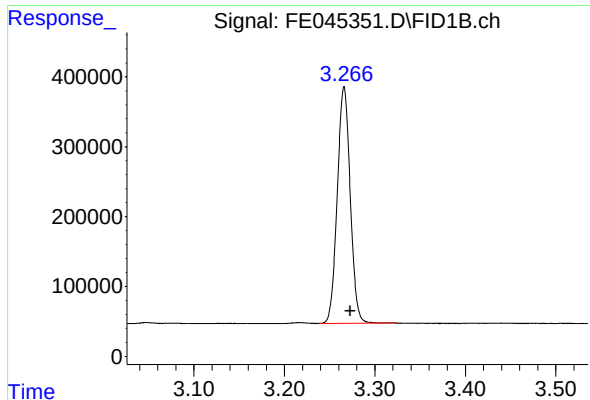
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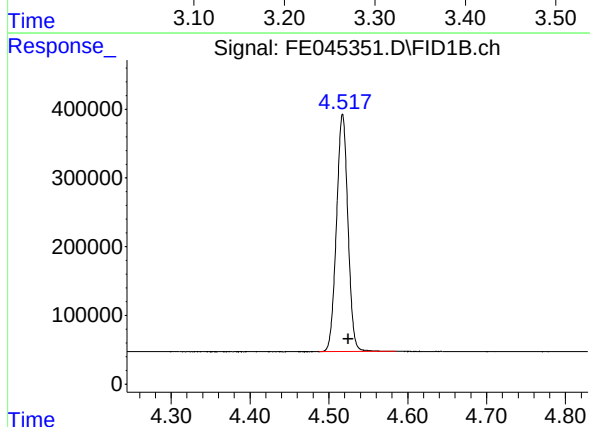
#1 n-Nonane (C9)

R.T.: 3.266 min
Delta R.T.: -0.007 min
Response: 3371496
Conc: 20.41 ug/ml

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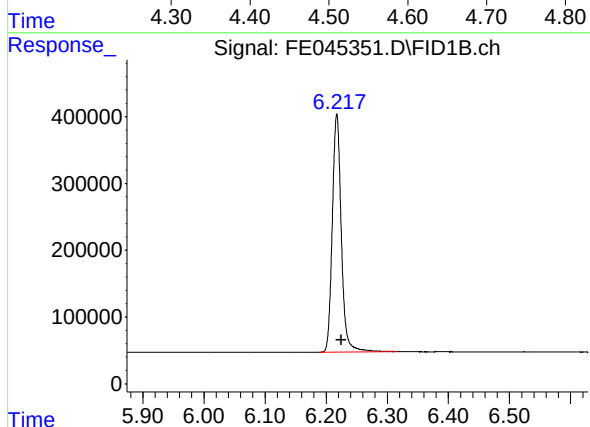
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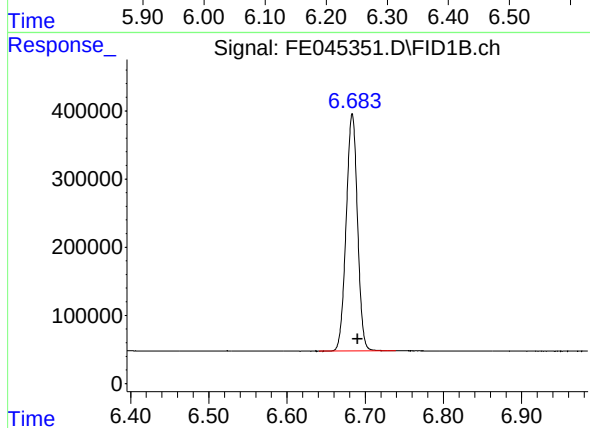
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.007 min
Response: 3486742
Conc: 20.79 ug/ml



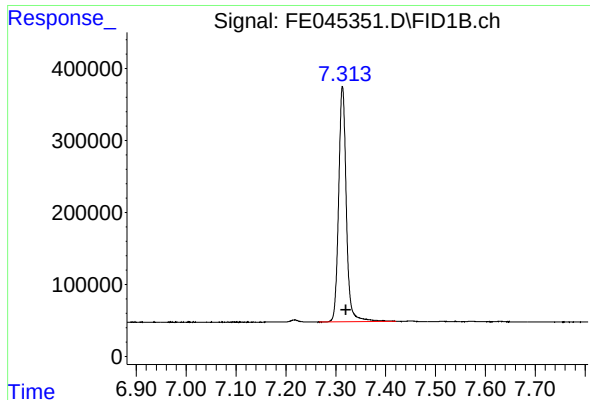
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.007 min
Response: 3653984
Conc: 20.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.007 min
Response: 3505058
Conc: 20.75 ug/ml



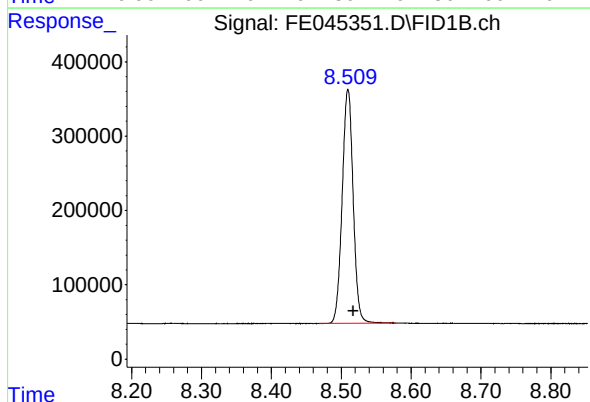
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.007 min
Response: 3507224
Conc: 20.42 ug/ml

Instrument : FID_E
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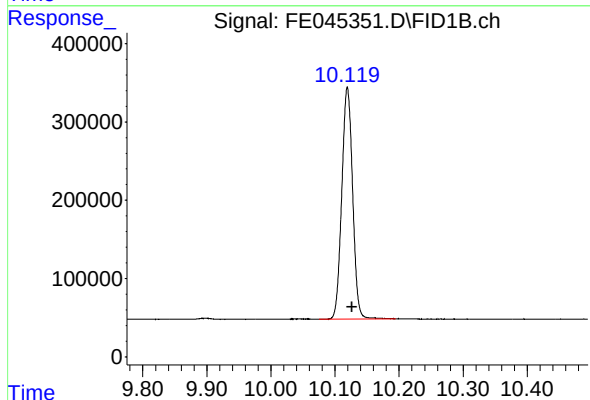
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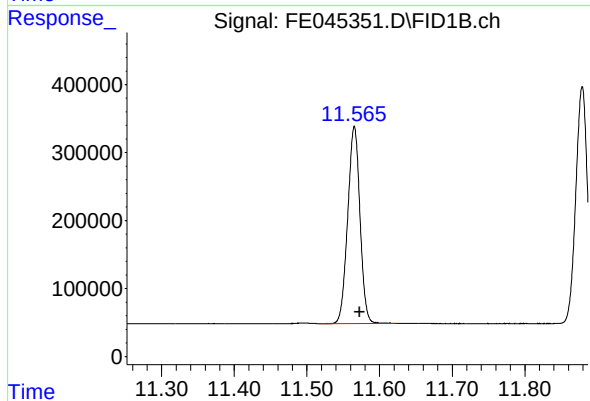
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: -0.008 min
Response: 3436626
Conc: 20.62 ug/ml



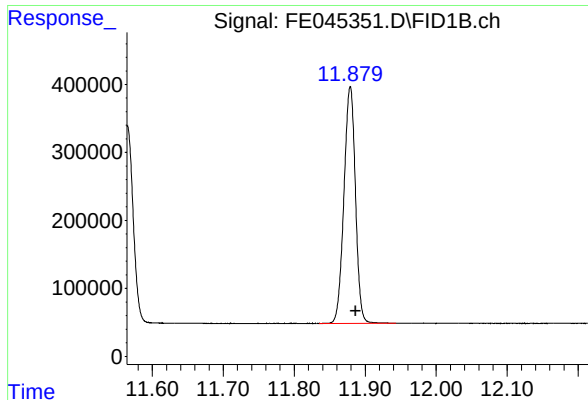
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.007 min
Response: 3454534
Conc: 20.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.565 min
Delta R.T.: -0.008 min
Response: 3400535
Conc: 20.32 ug/ml



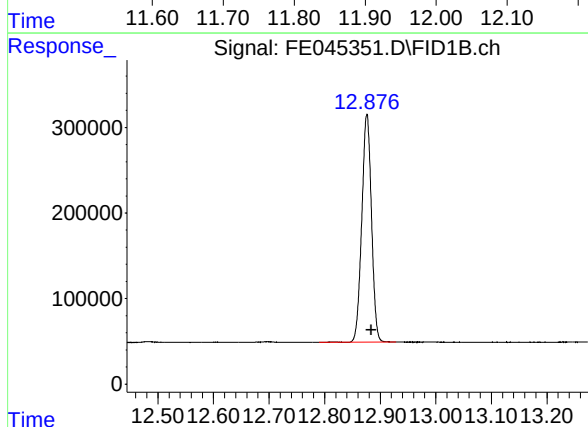
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.008 min
Response: 3911235
Conc: 20.49 ug/ml

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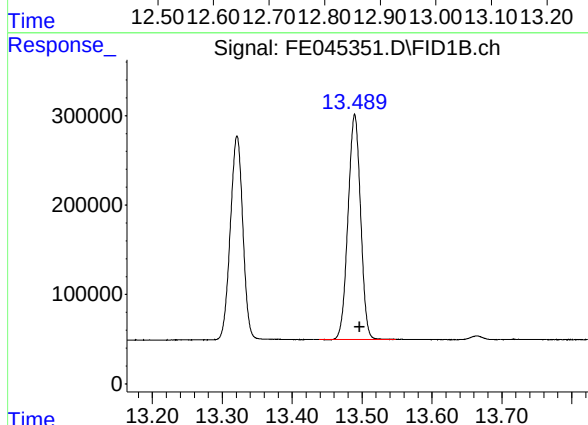
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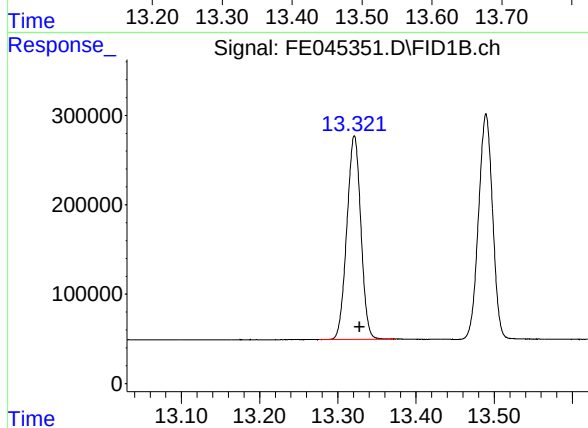
#10 n-Eicosane (C20)

R.T.: 12.876 min
Delta R.T.: -0.008 min
Response: 3233925
Conc: 20.42 ug/ml



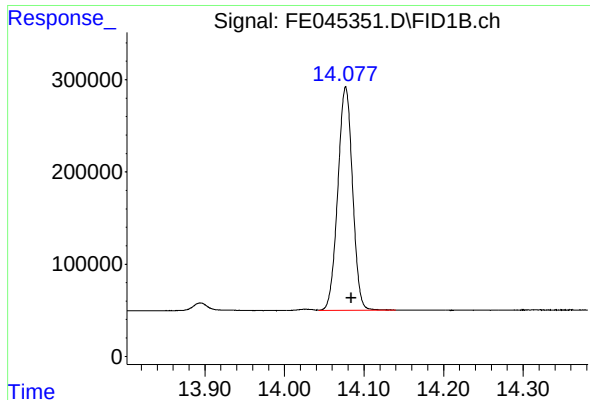
#11 n-Heneicosane (C21)

R.T.: 13.490 min
Delta R.T.: -0.007 min
Response: 3141862
Conc: 20.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.321 min
Delta R.T.: -0.007 min
Response: 2834169
Conc: 20.58 ug/ml



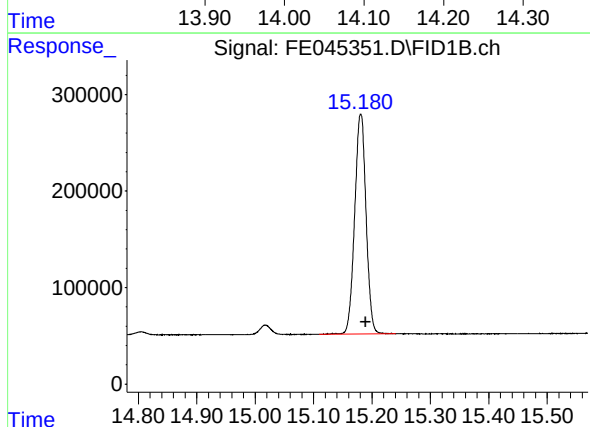
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.007 min
Response: 3112756
Conc: 20.54 ug/ml

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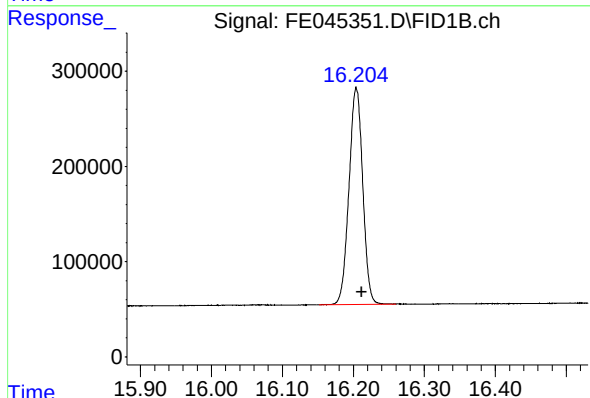
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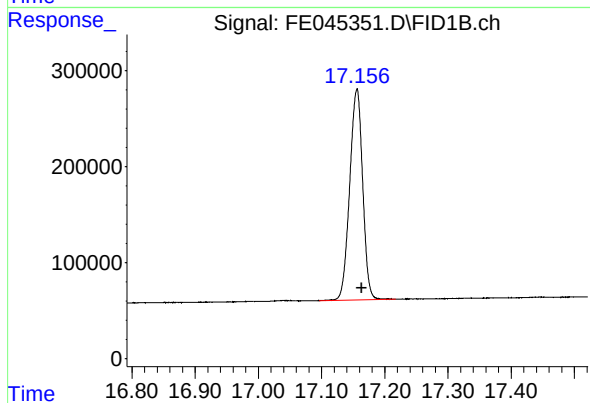
#14 n-Tetracosane (C24)

R.T.: 15.181 min
Delta R.T.: -0.008 min
Response: 3087834
Conc: 20.85 ug/ml



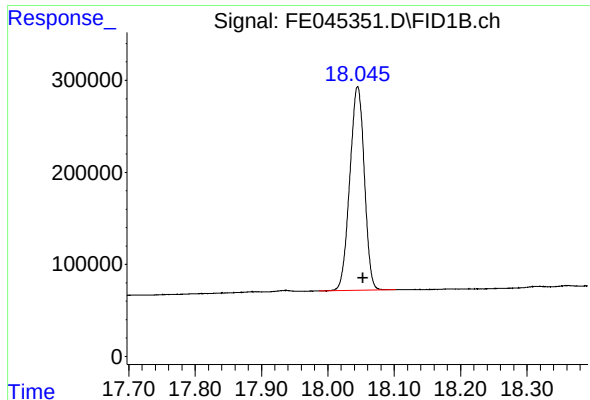
#15 n-Hexacosane (C26)

R.T.: 16.204 min
Delta R.T.: -0.008 min
Response: 3059425
Conc: 20.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.156 min
Delta R.T.: -0.008 min
Response: 3136760
Conc: 21.47 ug/ml



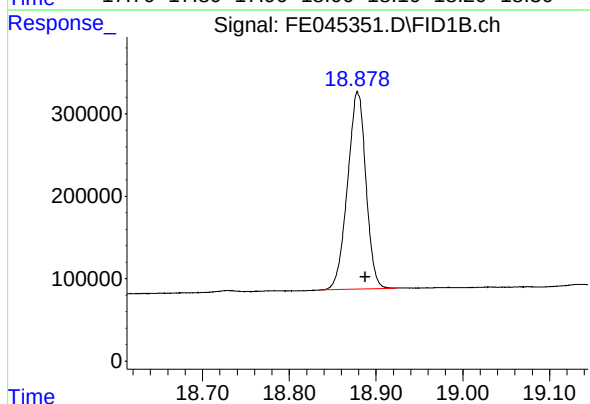
#17 n-Tricontane (C30)

R.T.: 18.045 min
Delta R.T.: -0.008 min
Response: 3368850
Conc: 22.18 ug/ml

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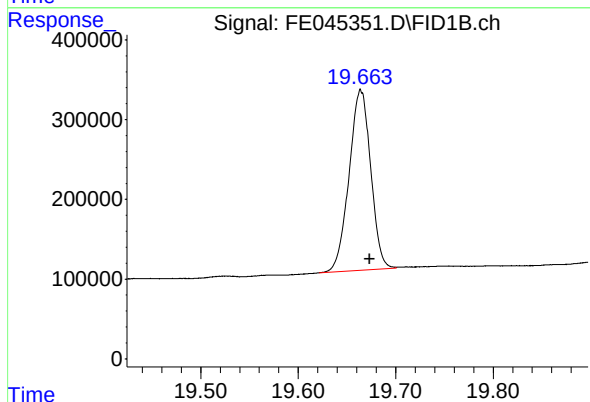
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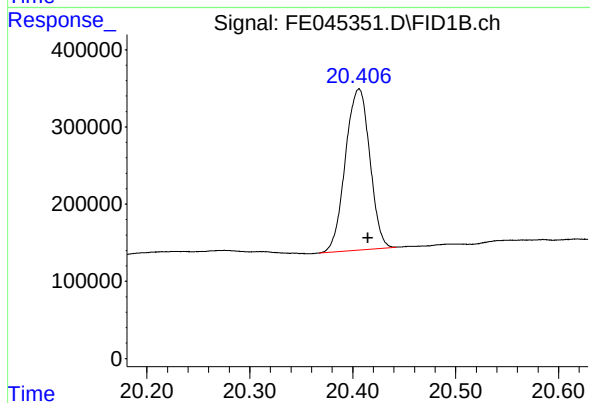
#18 n-Dotriacontane (C32)

R.T.: 18.878 min
Delta R.T.: -0.009 min
Response: 3513236
Conc: 22.49 ug/ml



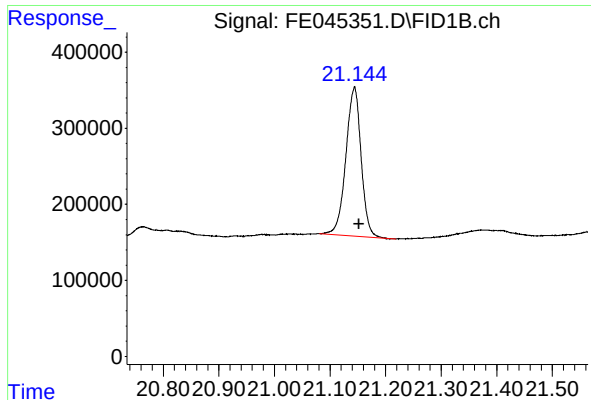
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.010 min
Response: 3489984
Conc: 22.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.406 min
Delta R.T.: -0.009 min
Response: 3448293
Conc: 21.24 ug/ml



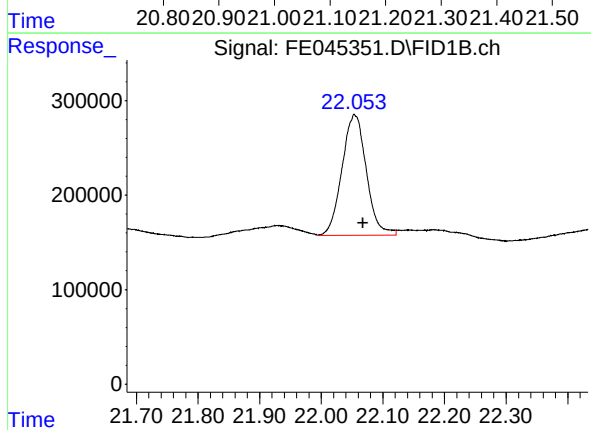
#21 n-Octatriacontane (C38)

R.T.: 21.144 min
Delta R.T.: -0.008 min
Response: 3731597
Conc: 22.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.053 min
Delta R.T.: -0.015 min
Response: 3501077
Conc: 20.50 ug/ml m