

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041723AL\
 Data File : FE041381.D
 Signal(s) : FID1B.ch
 Acq On : 17 Apr 2023 11:39
 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 04/18/2023
 Supervised By :Ankita Jodhani 04/18/2023

Integration File: autoint1.e
 Quant Time: Apr 18 01:02:02 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.841	3845306	20.460 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
12) S 1-chlorooctadecane (S...	13.282	2913983	20.253 ug/ml
Spiked Amount 50.000		Recovery =	40.51%
Target Compounds			
1) T n-Nonane (C9)	3.237	3441380	19.834 ug/ml
2) T n-Decane (C10)	4.484	3413260	20.052 ug/ml
3) T A~Naphthalene (C11.7)	6.187	3709031	20.278 ug/ml
4) T n-Dodecane (C12)	6.649	3495169	20.150 ug/ml
5) T A~2-methylnaphthalene...	7.283	3463500	20.913 ug/ml
6) T n-Tetradecane (C14)	8.476	3518138	20.177 ug/ml
7) T n-Hexadecane (C16)	10.084	3598144	20.231 ug/ml
8) T n-Octadecane (C18)	11.526	3628286	20.321 ug/ml
10) T n-Eicosane (C20)	12.836	3496970	20.501 ug/ml
11) T n-Heneicosane (C21)	13.450	3475701	20.544 ug/ml
13) T n-Docosane (C22)	14.036	3420635	20.670 ug/ml
14) T n-Tetracosane (C24)	15.140	3377400	20.876 ug/ml
15) T n-Hexacosane (C26)	16.162	3275509	21.130 ug/ml
16) T n-Octacosane (C28)	17.115	3256270	21.258 ug/ml
17) T n-Tricontane (C30)	18.005	3264169	21.355 ug/ml
18) T n-Dotriacontane (C32)	18.840	3331819	21.340 ug/ml
19) T n-Tetratriacontane (C34)	19.626	3316652	21.402 ug/ml
20) T n-Hexatriacontane (C36)	20.368	3237650	21.315 ug/mlm
21) T n-Octatriacontane (C38)	21.094	3332401	21.332 ug/mlm
22) T n-Tetracontane (C40)	21.974	3409581	21.363 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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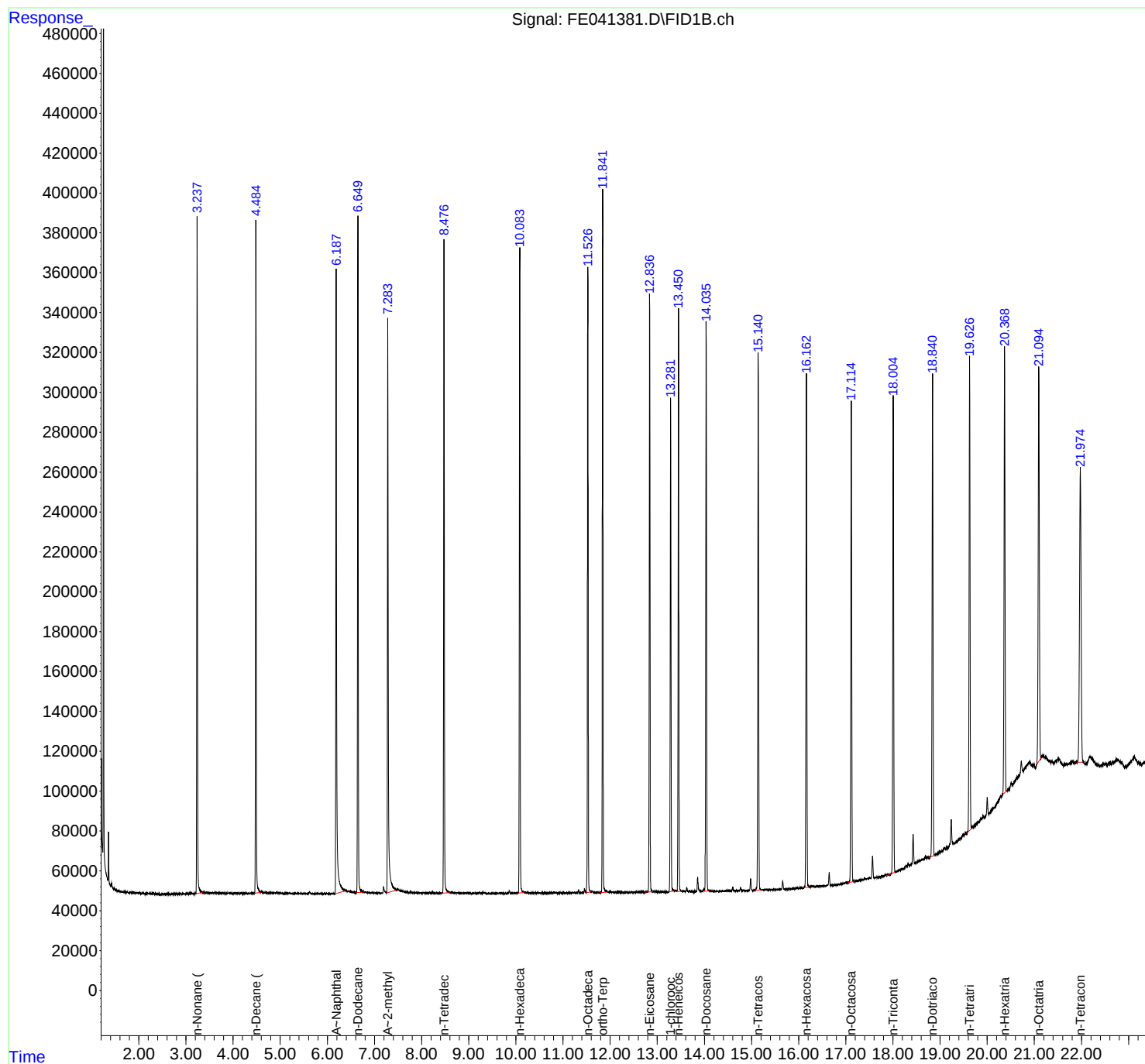
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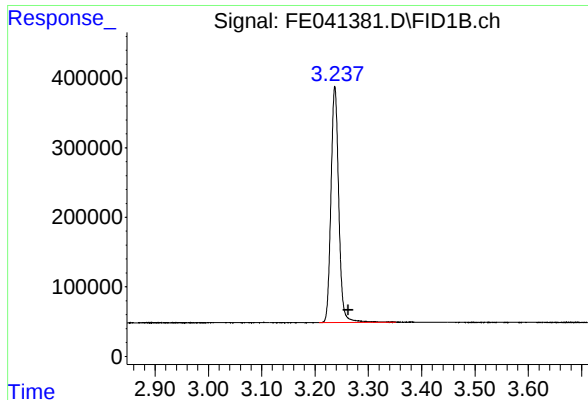
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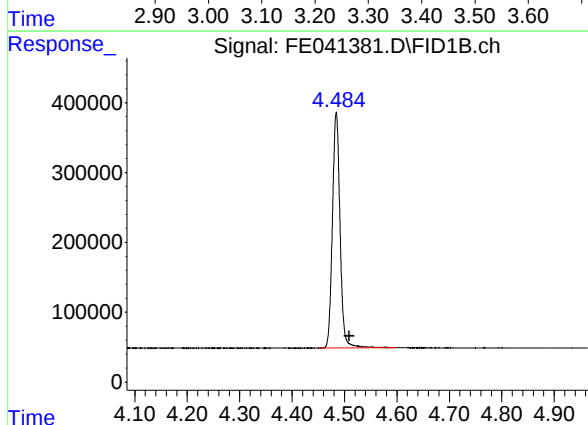
#1 n-Nonane (C9)

R.T.: 3.237 min
Delta R.T.: -0.025 min
Response: 3441380
Conc: 19.83 ug/ml

Instrument : FID_E
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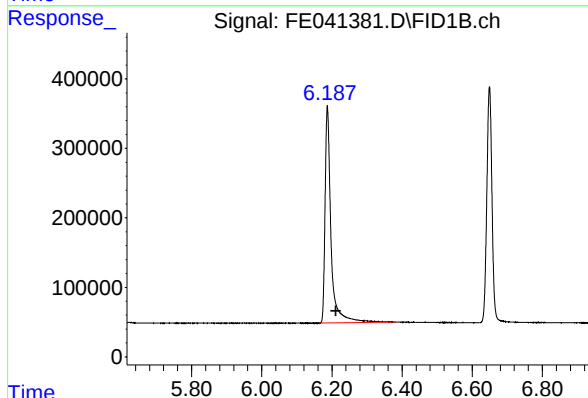
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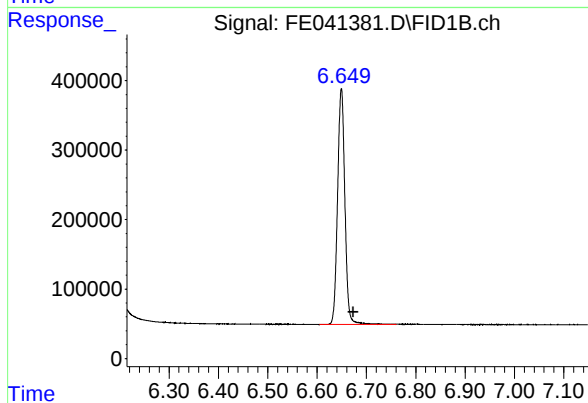
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.024 min
Response: 3413260
Conc: 20.05 ug/ml



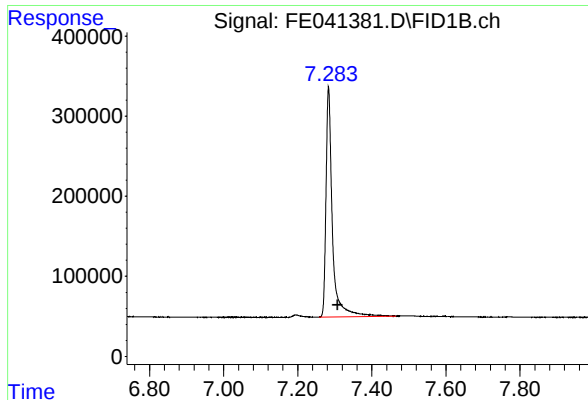
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.025 min
Response: 3709031
Conc: 20.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.024 min
Response: 3495169
Conc: 20.15 ug/ml



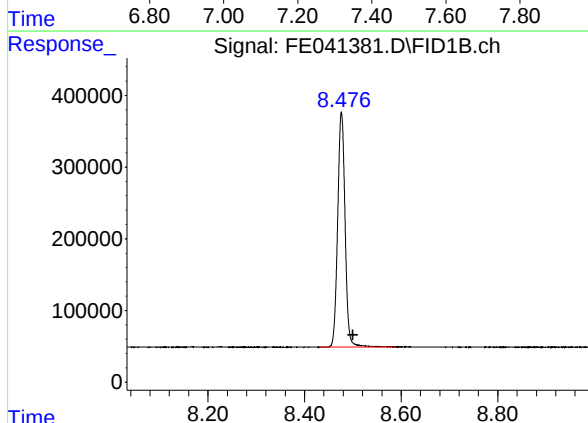
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.283 min
Delta R.T.: -0.024 min
Response: 3463500
Conc: 20.91 ug/ml

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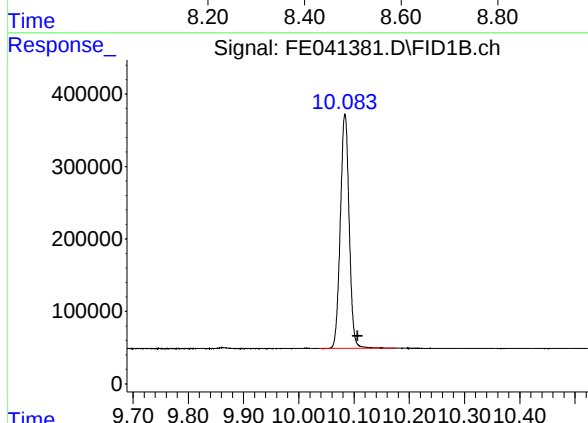
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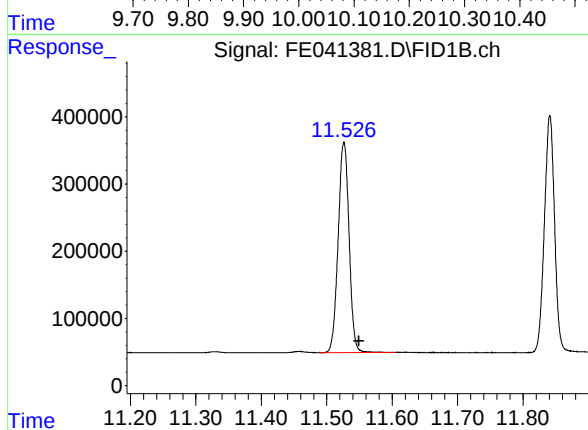
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.024 min
Response: 3518138
Conc: 20.18 ug/ml



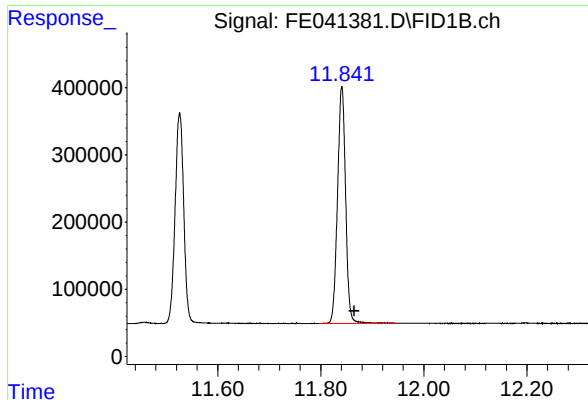
#7 n-Hexadecane (C16)

R.T.: 10.084 min
Delta R.T.: -0.023 min
Response: 3598144
Conc: 20.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.023 min
Response: 3628286
Conc: 20.32 ug/ml



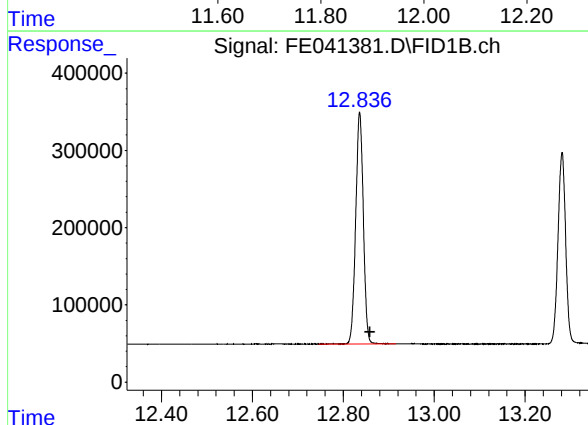
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.024 min
Response: 3845306
Conc: 20.46 ug/ml

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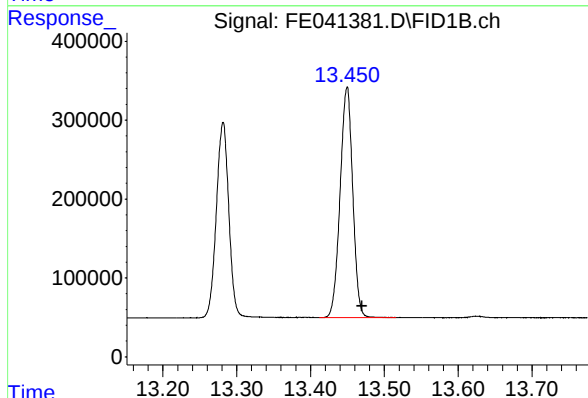
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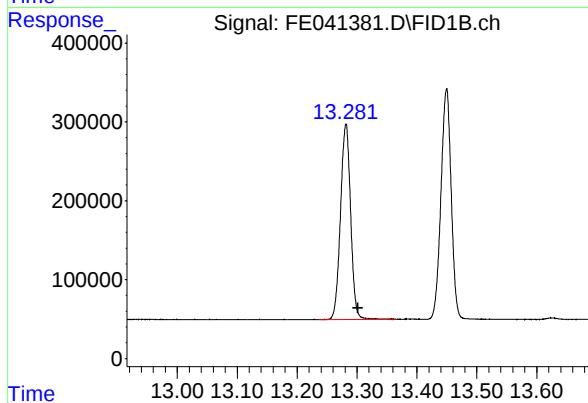
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.022 min
Response: 3496970
Conc: 20.50 ug/ml



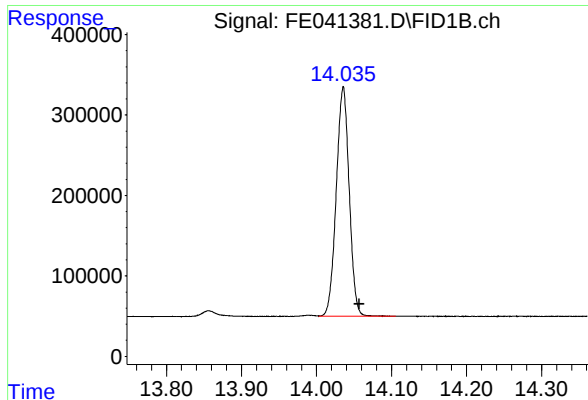
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: -0.020 min
Response: 3475701
Conc: 20.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.282 min
Delta R.T.: -0.020 min
Response: 2913983
Conc: 20.25 ug/ml



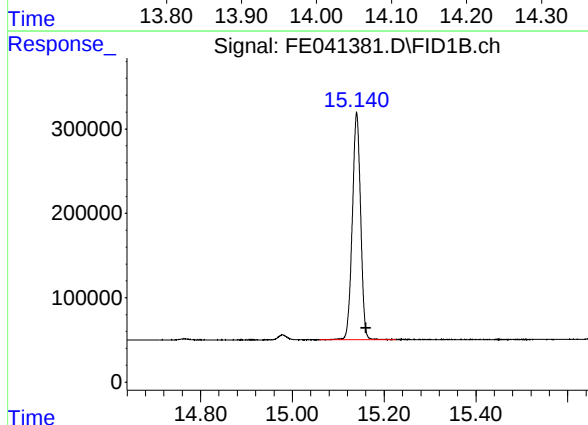
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.022 min
Response: 3420635
Conc: 20.67 ug/ml

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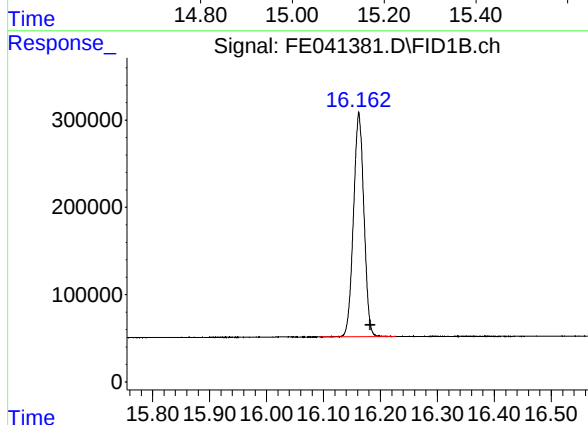
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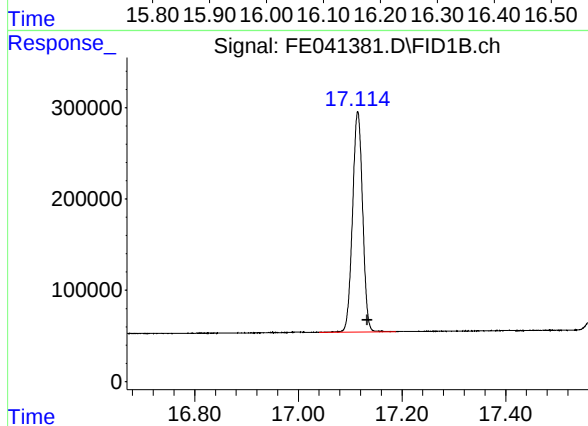
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.021 min
Response: 3377400
Conc: 20.88 ug/ml



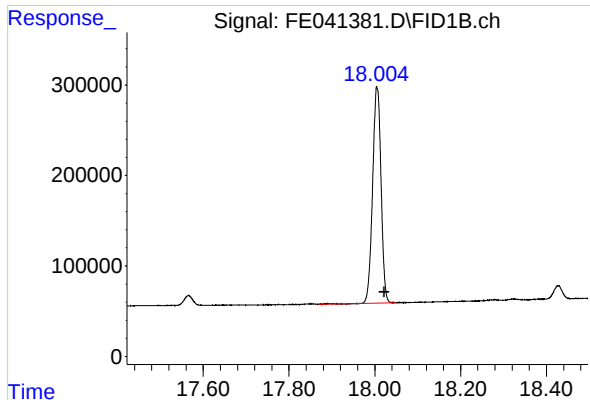
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.020 min
Response: 3275509
Conc: 21.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.115 min
Delta R.T.: -0.018 min
Response: 3256270
Conc: 21.26 ug/ml



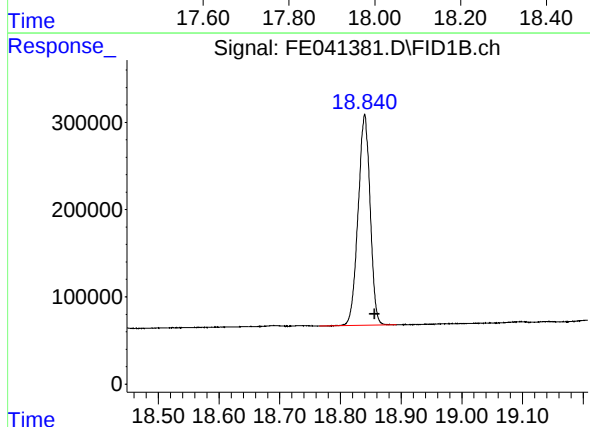
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: -0.017 min
Response: 3264169
Conc: 21.35 ug/ml

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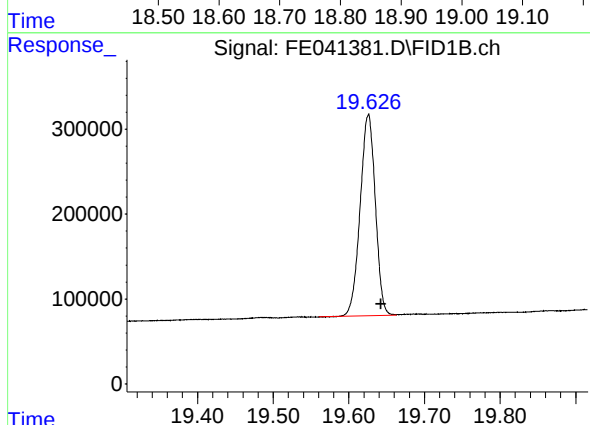
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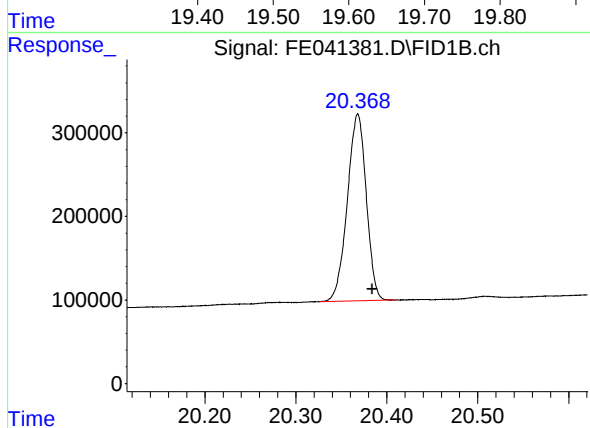
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.017 min
Response: 3331819
Conc: 21.34 ug/ml



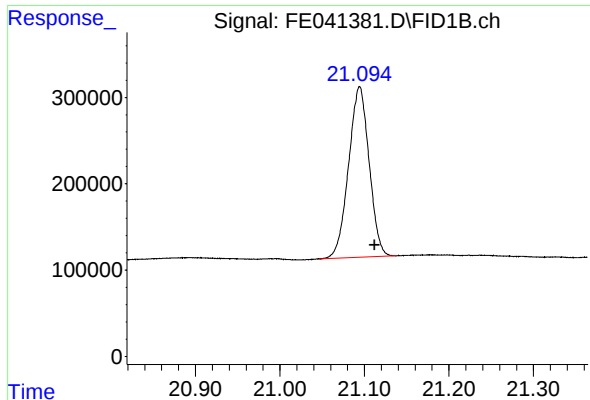
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.017 min
Response: 3316652
Conc: 21.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.016 min
Response: 3237650
Conc: 21.31 ug/ml m



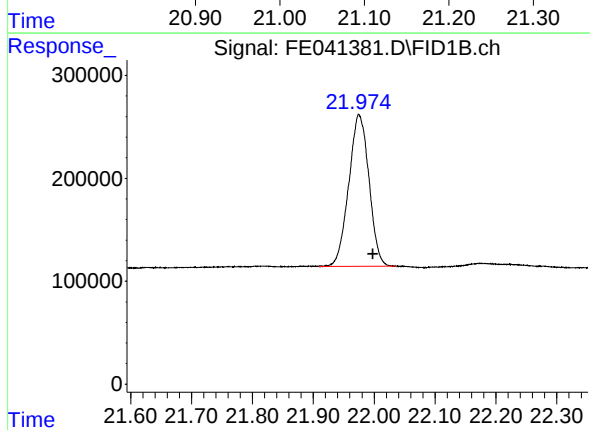
#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: -0.018 min
Response: 3332401
Conc: 21.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: -0.024 min
Response: 3409581
Conc: 21.36 ug/ml m