

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041323AL\
 Data File : FE041339.D
 Signal(s) : FID1B.ch
 Acq On : 13 Apr 2023 12:00
 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 04/14/2023
 Supervised By :Ankita Jodhani 04/14/2023

Integration File: autoint1.e
 Quant Time: Apr 13 12:26:16 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)	11.832	3425227	18.225 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
12) S 1-chlorooctadecane (S...	13.273	2640865	18.355 ug/ml
Spiked Amount 50.000		Recovery =	36.71%
Target Compounds			
1) T n-Nonane (C9)	3.224	3147383	18.139 ug/ml
2) T n-Decane (C10)	4.472	3112277	18.284 ug/ml
3) T A~Naphthalene (C11.7)	6.178	3389328	18.530 ug/ml
4) T n-Dodecane (C12)	6.640	3168903	18.269 ug/ml
5) T A~2-methylnaphthalene...	7.276	3138813	18.953 ug/ml
6) T n-Tetradecane (C14)	8.468	3177371	18.223 ug/ml
7) T n-Hexadecane (C16)	10.076	3247474	18.259 ug/ml
8) T n-Octadecane (C18)	11.518	3315254	18.567 ug/ml
10) T n-Eicosane (C20)	12.829	3185478	18.675 ug/ml
11) T n-Heneicosane (C21)	13.440	3177004	18.778 ug/ml
13) T n-Docosane (C22)	14.027	3102092	18.745 ug/ml
14) T n-Tetracosane (C24)	15.131	3096155	19.137 ug/ml
15) T n-Hexacosane (C26)	16.153	2919930	18.836 ug/ml
16) T n-Octacosane (C28)	17.105	2879533	18.798 ug/ml
17) T n-Tricontane (C30)	17.993	2824862	18.481 ug/ml
18) T n-Dotriacontane (C32)	18.826	2893971	18.536 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	2871081	18.527 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	2823468	18.588 ug/mlm
21) T n-Octatriacontane (C38)	21.077	2874702	18.402 ug/mlm
22) T n-Tetracontane (C40)	21.954	2982577	18.687 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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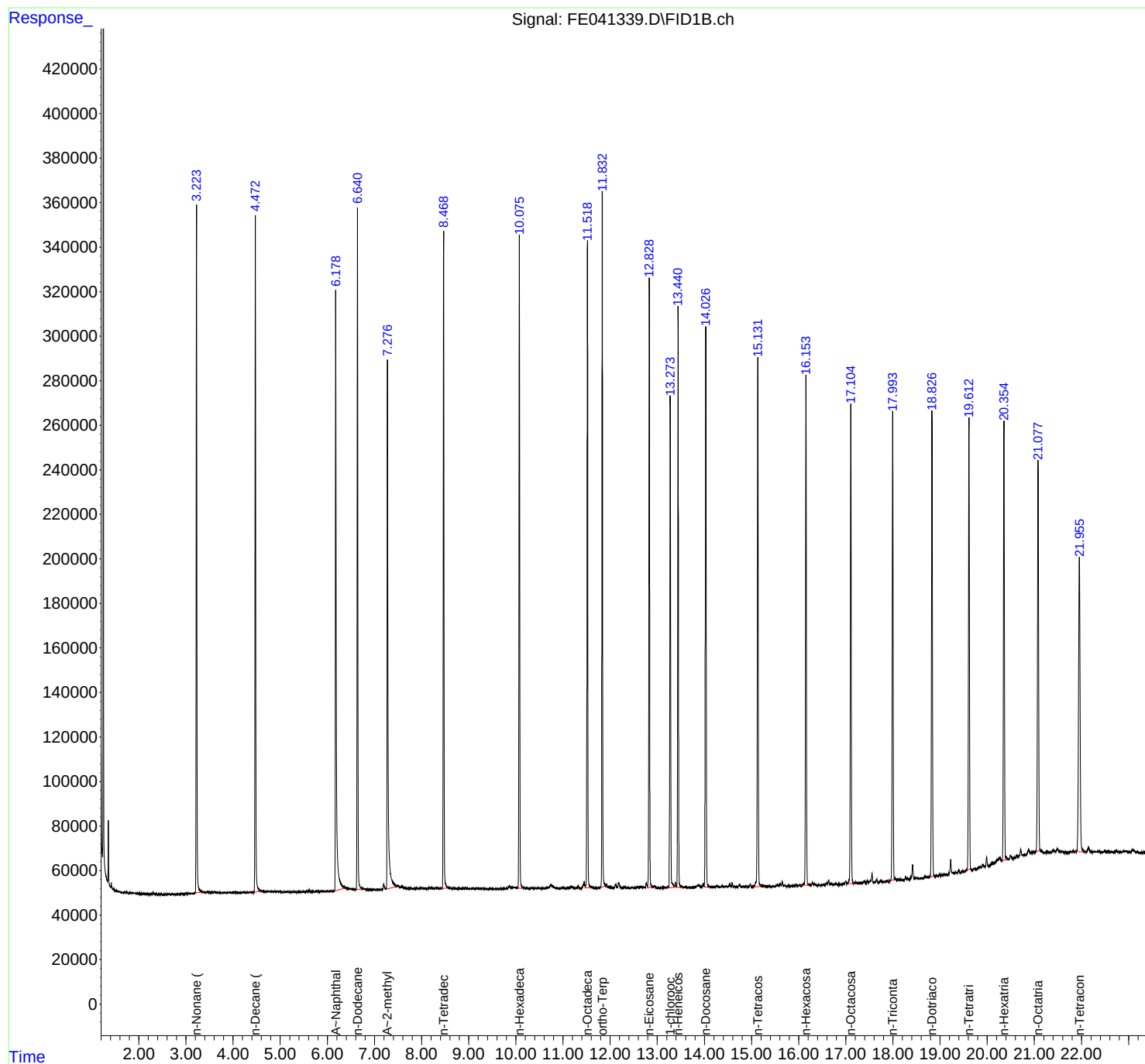
Instrument :
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20 PPM ALIPHATIC HC STD

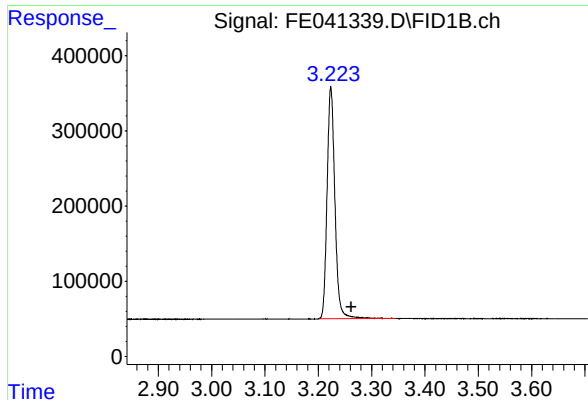
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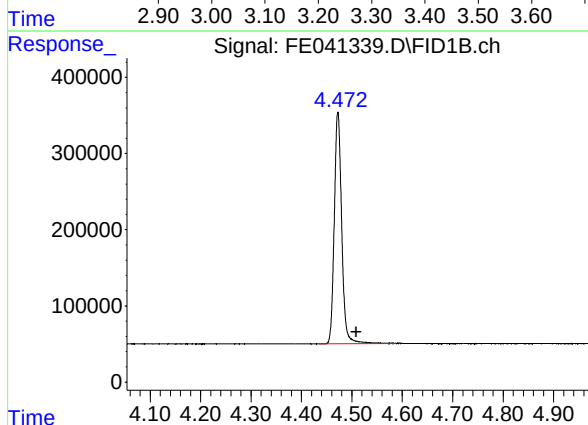
#1 n-Nonane (C9)

R.T.: 3.224 min
Delta R.T.: -0.038 min
Response: 3147383
Conc: 18.14 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

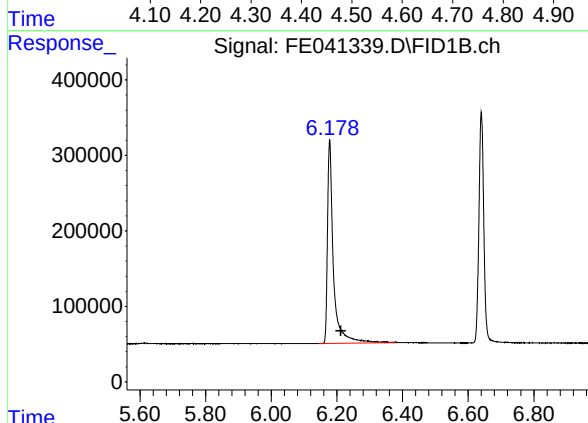
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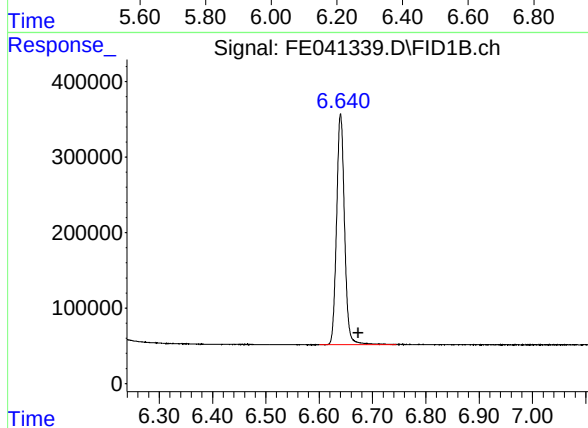
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: -0.037 min
Response: 3112277
Conc: 18.28 ug/ml



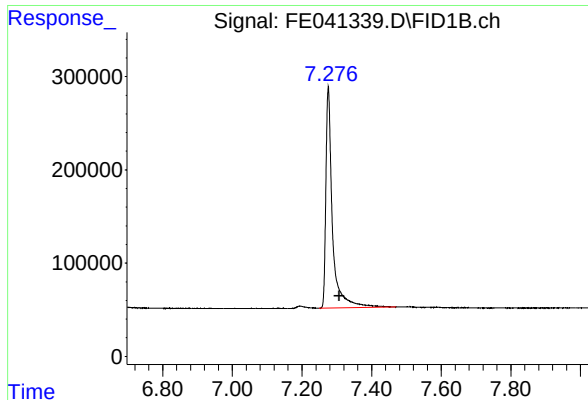
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: -0.034 min
Response: 3389328
Conc: 18.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.640 min
Delta R.T.: -0.033 min
Response: 3168903
Conc: 18.27 ug/ml



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

R.T.: 7.276 min
Delta R.T.: -0.032 min
Response: 3138813
Conc: 18.95 ug/ml

Instrument :

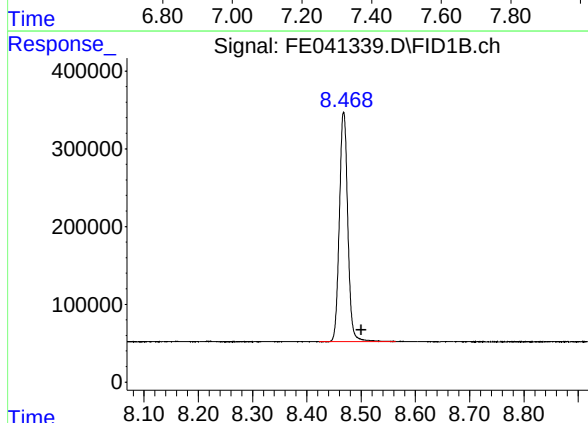
FID_E

ClientSampleId :

20 PPM ALIPHATIC HC STD

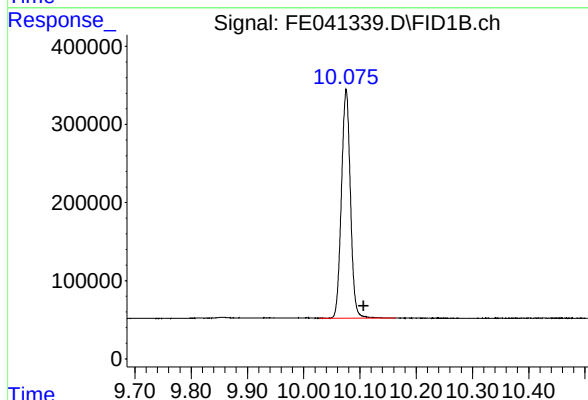
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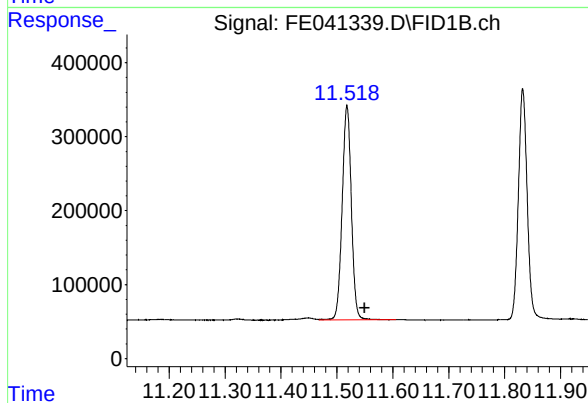
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.032 min
Response: 3177371
Conc: 18.22 ug/ml



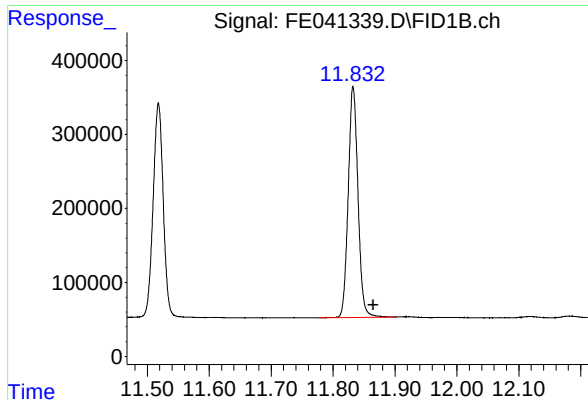
#7 n-Hexadecane (C16)

R.T.: 10.076 min
Delta R.T.: -0.031 min
Response: 3247474
Conc: 18.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.518 min
Delta R.T.: -0.031 min
Response: 3315254
Conc: 18.57 ug/ml



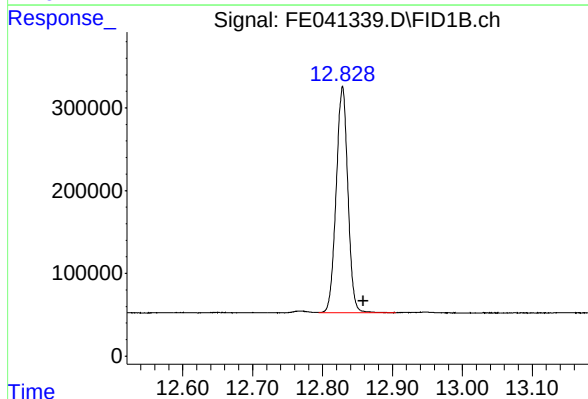
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.033 min
Response: 3425227
Conc: 18.23 ug/ml

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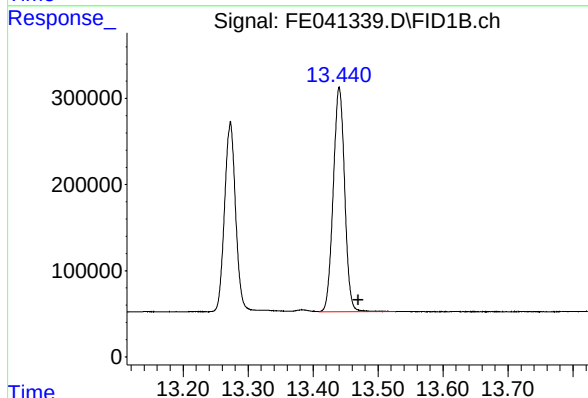
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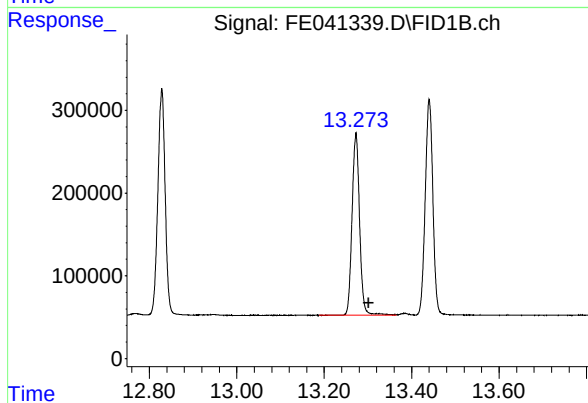
#10 n-Eicosane (C20)

R.T.: 12.829 min
Delta R.T.: -0.030 min
Response: 3185478
Conc: 18.68 ug/ml



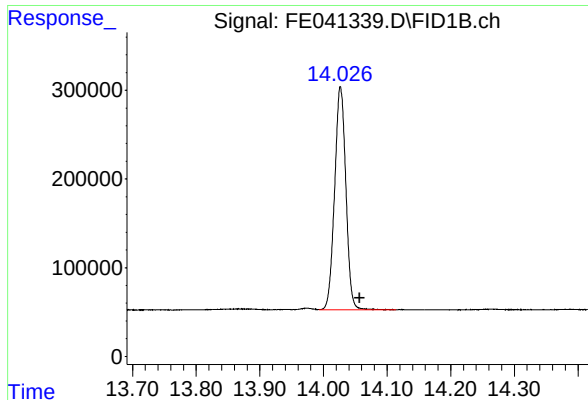
#11 n-Heneicosane (C21)

R.T.: 13.440 min
Delta R.T.: -0.030 min
Response: 3177004
Conc: 18.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.029 min
Response: 2640865
Conc: 18.35 ug/ml



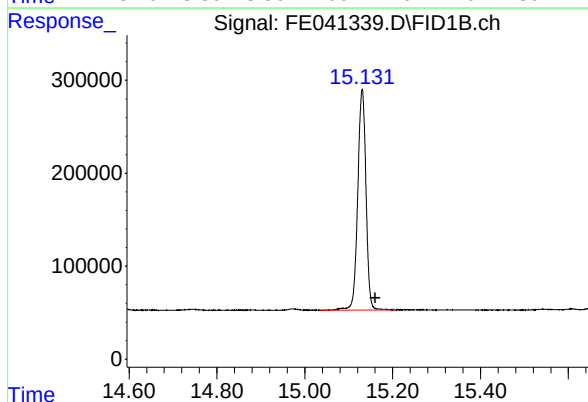
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.031 min
Response: 3102092
Conc: 18.75 ug/ml

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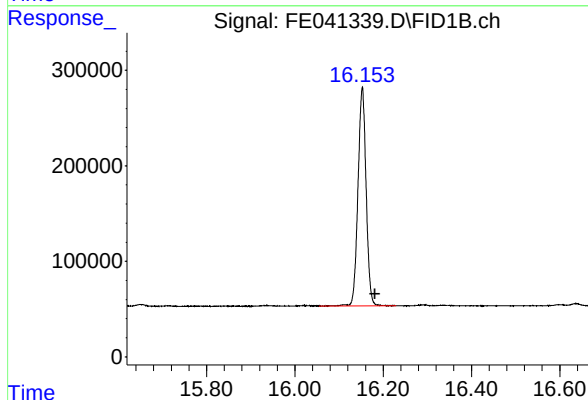
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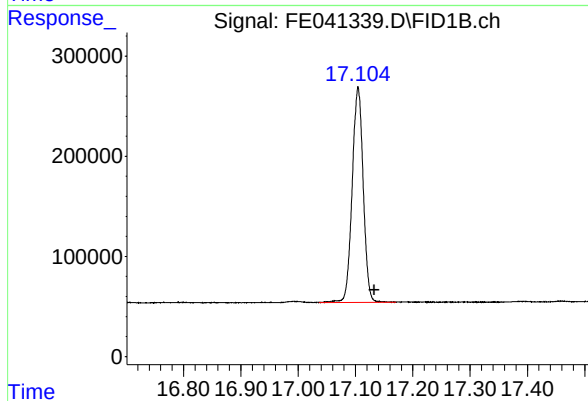
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 3096155
Conc: 19.14 ug/ml



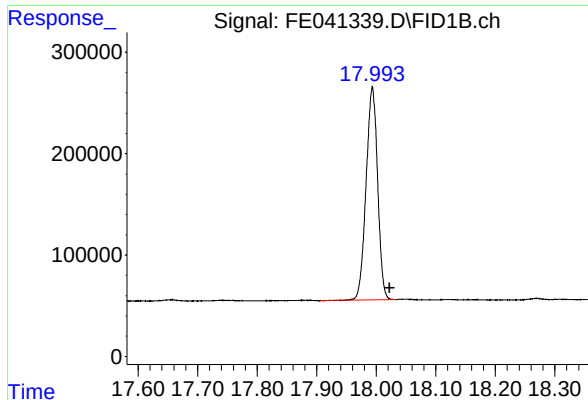
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 2919930
Conc: 18.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.029 min
Response: 2879533
Conc: 18.80 ug/ml



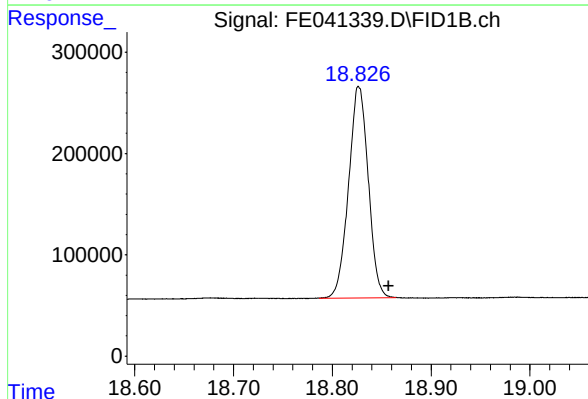
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.029 min
Response: 2824862
Conc: 18.48 ug/ml

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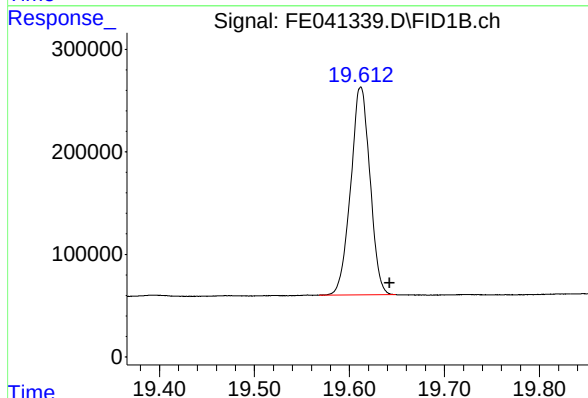
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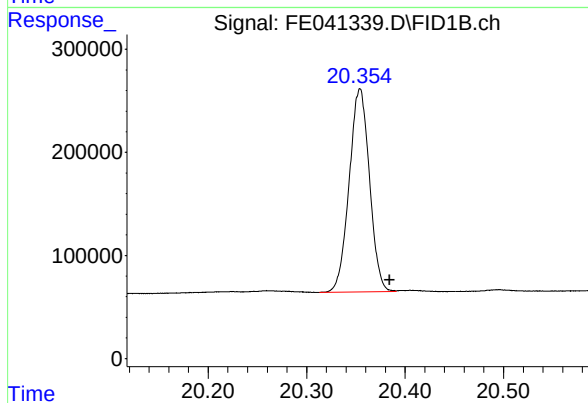
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.031 min
Response: 2893971
Conc: 18.54 ug/ml m



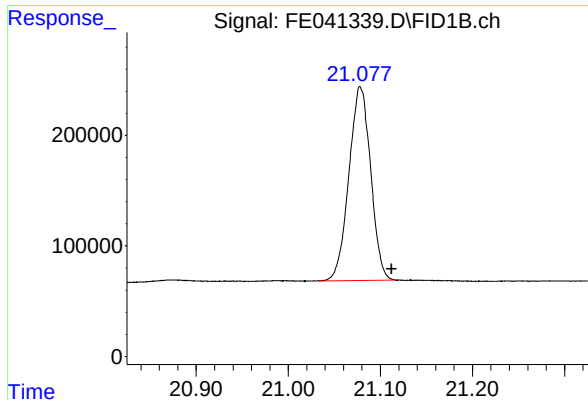
#19 n-Tetatriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.030 min
Response: 2871081
Conc: 18.53 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.030 min
Response: 2823468
Conc: 18.59 ug/ml m



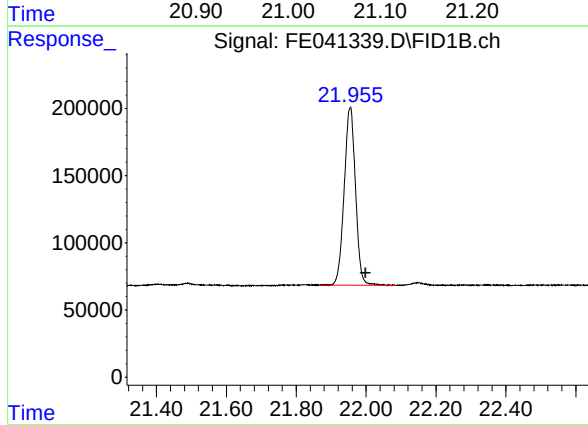
#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.035 min
Response: 2874702
Conc: 18.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.044 min
Response: 2982577
Conc: 18.69 ug/ml