

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042023AL\
 Data File : FE041453.D
 Signal(s) : FID1B.ch
 Acq On : 20 Apr 2023 10:53
 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 04/21/2023
 Supervised By :Ankita Jodhani 04/21/2023

Integration File: autoint1.e
 Quant Time: Apr 21 01:37:23 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)	11.833	3604775	19.180 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
12) S 1-chlorooctadecane (S...	13.272	2873322	19.970 ug/ml
Spiked Amount 50.000		Recovery =	39.94%
Target Compounds			
1) T n-Nonane (C9)	3.229	3220574	18.561 ug/ml
2) T n-Decane (C10)	4.477	3222910	18.934 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3569381	19.514 ug/ml
4) T n-Dodecane (C12)	6.642	3297917	19.012 ug/ml
5) T A~2-methylnaphthalene...	7.276	3371839	20.360 ug/ml
6) T n-Tetradecane (C14)	8.468	3334111	19.121 ug/ml
7) T n-Hexadecane (C16)	10.075	3426249	19.265 ug/ml
8) T n-Octadecane (C18)	11.517	3451023	19.328 ug/ml
10) T n-Eicosane (C20)	12.828	3316883	19.445 ug/ml
11) T n-Heneicosane (C21)	13.439	3274471	19.354 ug/ml
13) T n-Docosane (C22)	14.026	3209917	19.397 ug/ml
14) T n-Tetracosane (C24)	15.130	3255832	20.124 ug/ml
15) T n-Hexacosane (C26)	16.153	3013147	19.438 ug/ml
16) T n-Octacosane (C28)	17.104	3037916	19.832 ug/ml
17) T n-Tricontane (C30)	17.994	3136072	20.517 ug/ml
18) T n-Dotriacontane (C32)	18.829	3206576	20.538 ug/mlm
19) T n-Tetratriacontane (C34)	19.614	3278347	21.155 ug/ml
20) T n-Hexatriacontane (C36)	20.357	3054095	20.106 ug/mlm
21) T n-Octatriacontane (C38)	21.081	3286067	21.035 ug/mlm
22) T n-Tetracontane (C40)	21.959	3221725	20.186 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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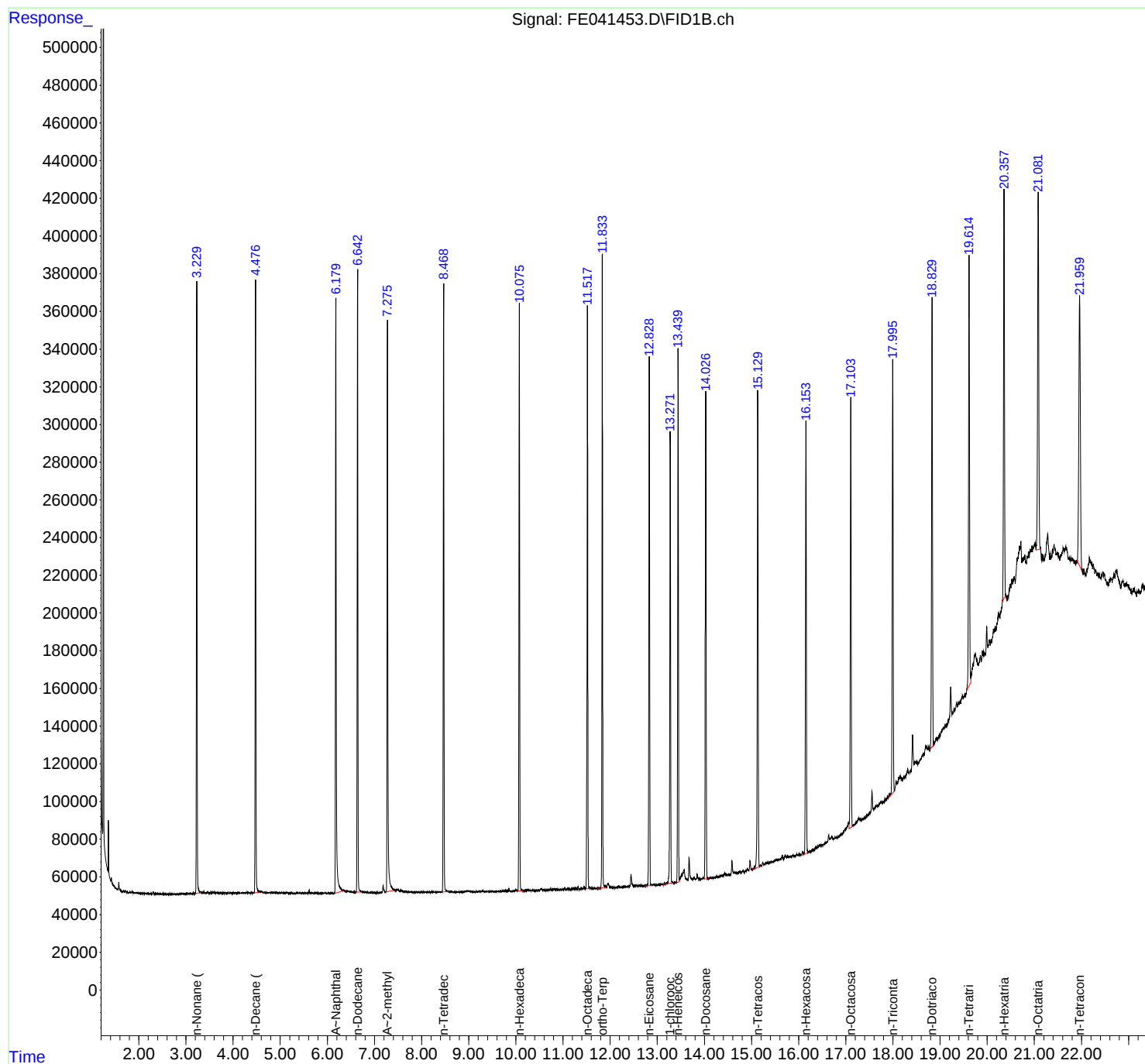
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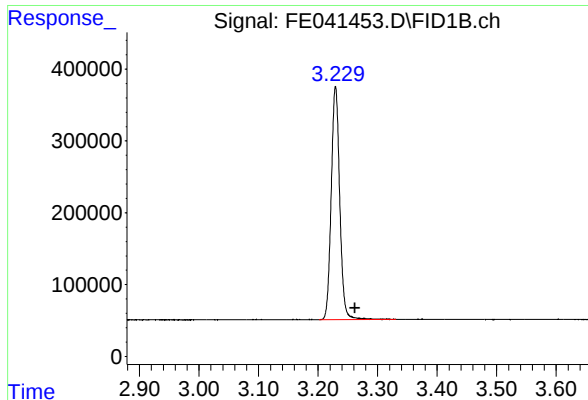
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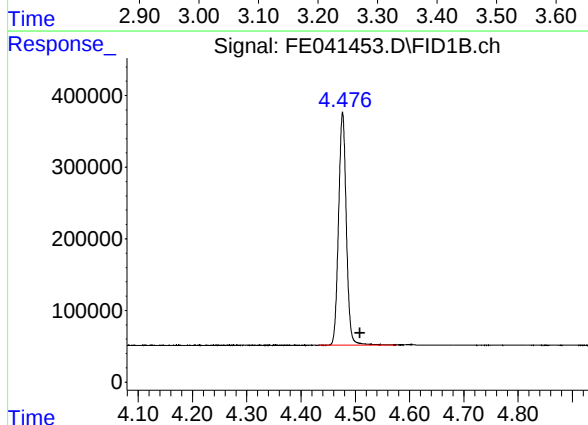
#1 n-Nonane (C9)

R.T.: 3.229 min
Delta R.T.: -0.033 min
Response: 3220574
Conc: 18.56 ug/ml

Instrument :
FID_E
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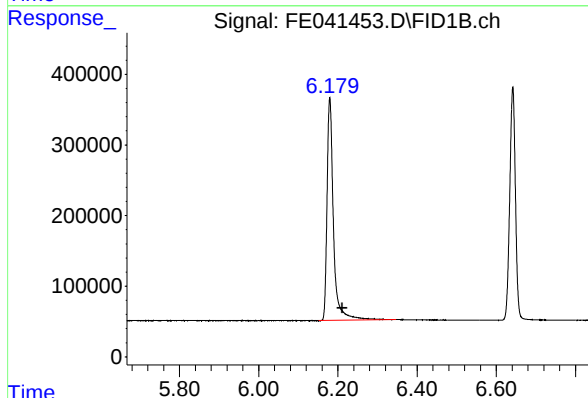
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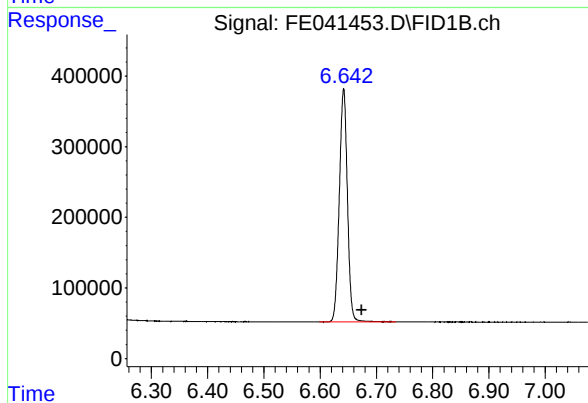
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.032 min
Response: 3222910
Conc: 18.93 ug/ml



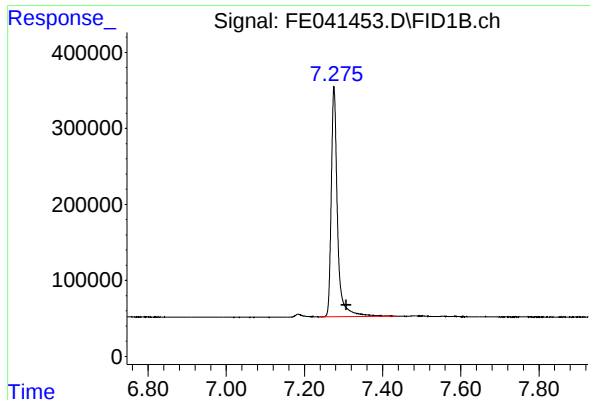
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.032 min
Response: 3569381
Conc: 19.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.642 min
Delta R.T.: -0.032 min
Response: 3297917
Conc: 19.01 ug/ml



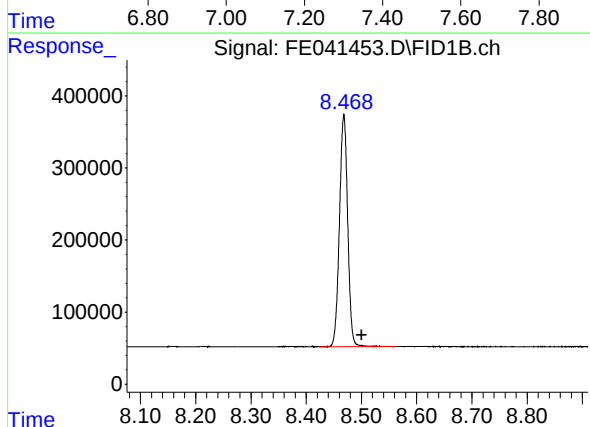
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.032 min
Response: 3371839
Conc: 20.36 ug/ml

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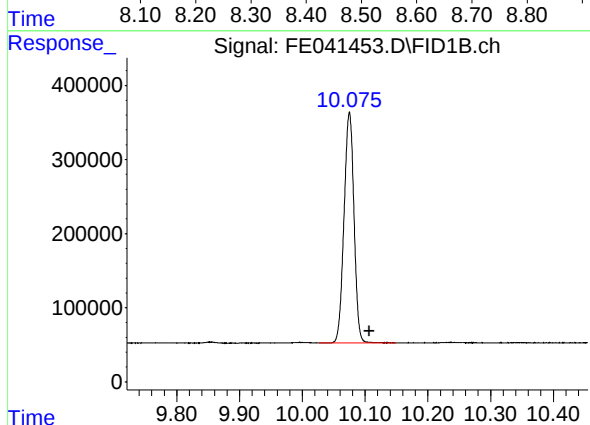
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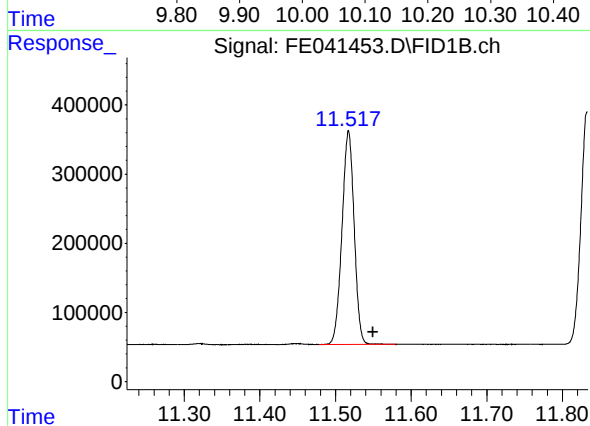
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.032 min
Response: 3334111
Conc: 19.12 ug/ml



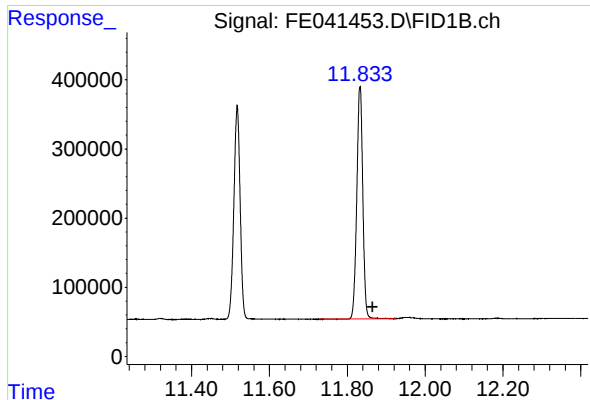
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: -0.032 min
Response: 3426249
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.517 min
Delta R.T.: -0.032 min
Response: 3451023
Conc: 19.33 ug/ml



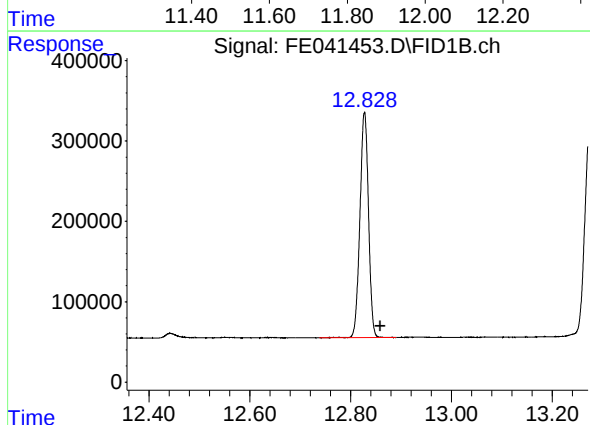
#9 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: -0.032 min
Response: 3604775
Conc: 19.18 ug/ml

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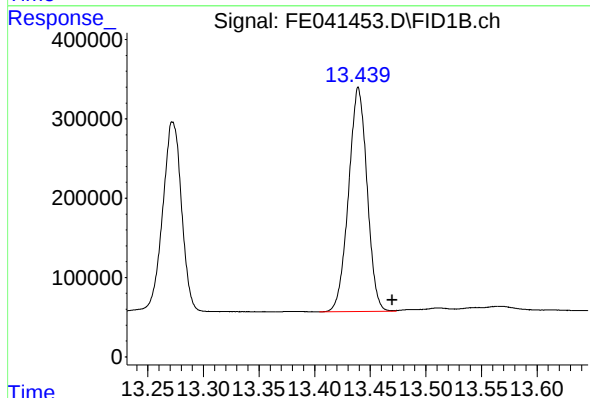
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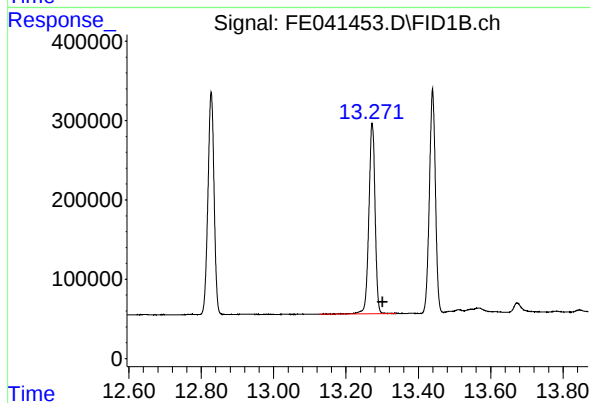
#10 n-Eicosane (C20)

R.T.: 12.828 min
Delta R.T.: -0.031 min
Response: 3316883
Conc: 19.45 ug/ml



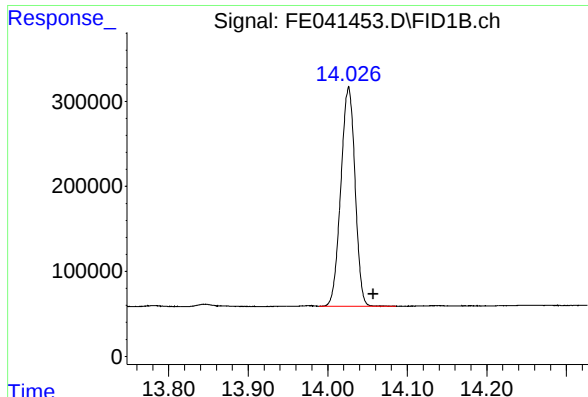
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.030 min
Response: 3274471
Conc: 19.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.030 min
Response: 2873322
Conc: 19.97 ug/ml



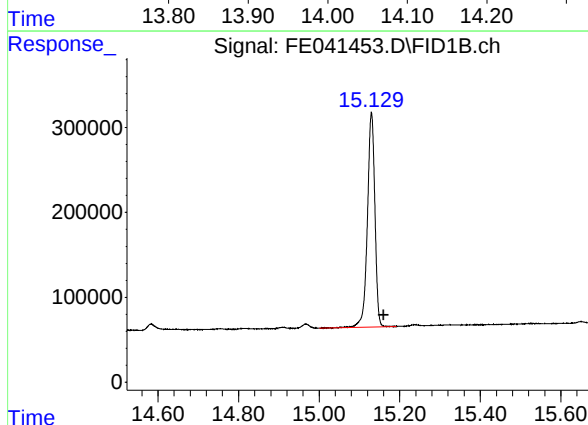
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.031 min
Response: 3209917
Conc: 19.40 ug/ml

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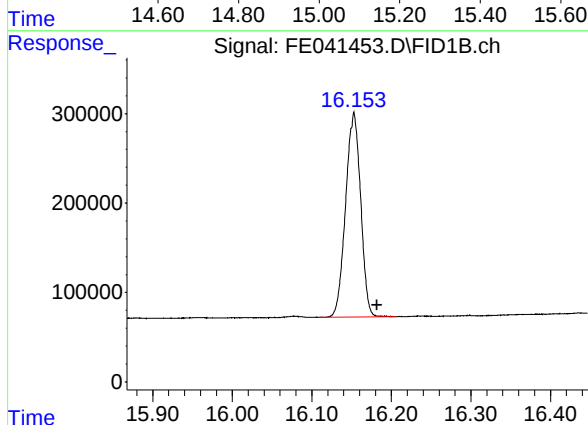
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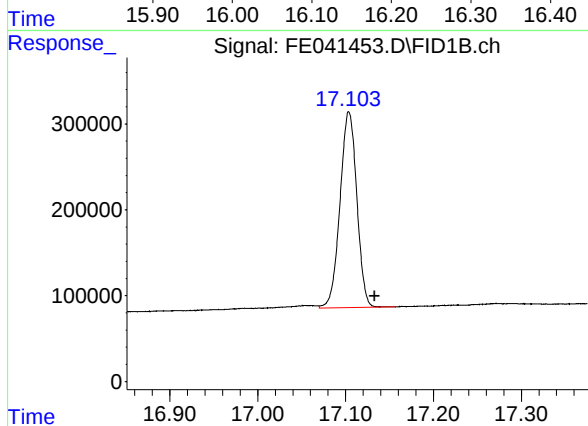
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.031 min
Response: 3255832
Conc: 20.12 ug/ml



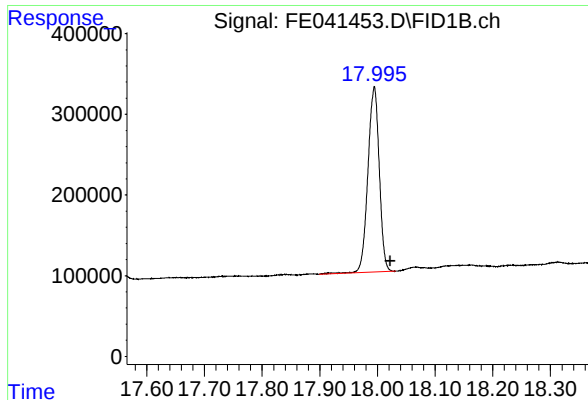
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 3013147
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 3037916
Conc: 19.83 ug/ml



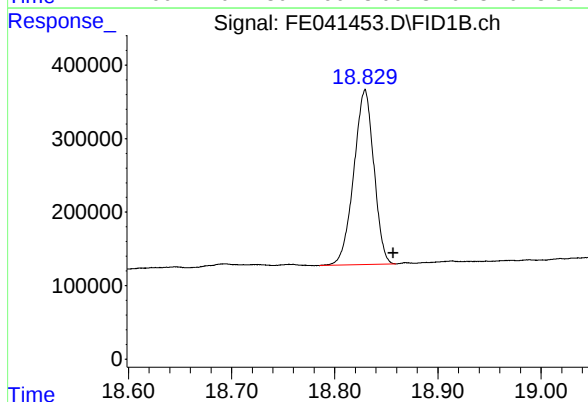
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.028 min
Response: 3136072
Conc: 20.52 ug/ml

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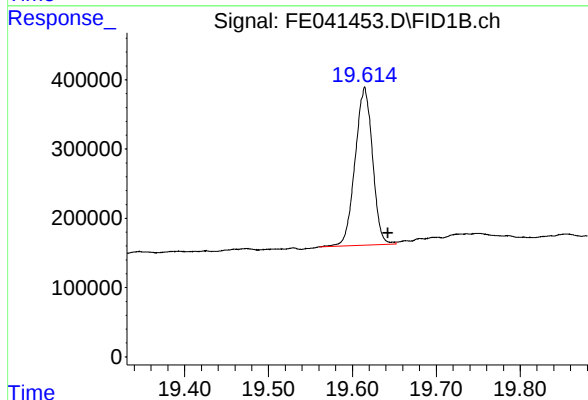
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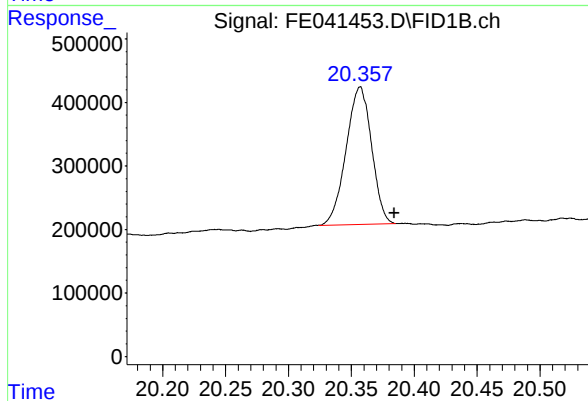
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.028 min
Response: 3206576
Conc: 20.54 ug/ml m



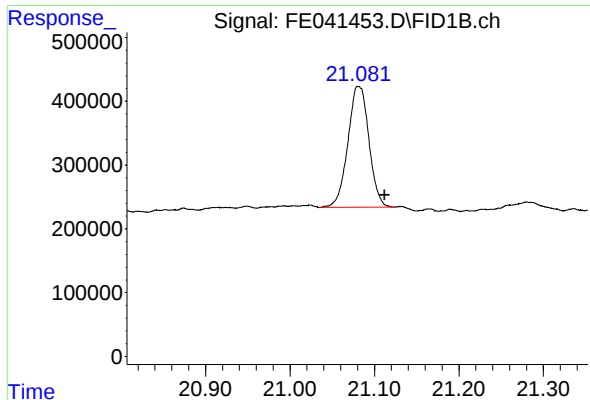
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.028 min
Response: 3278347
Conc: 21.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.357 min
Delta R.T.: -0.027 min
Response: 3054095
Conc: 20.11 ug/ml m



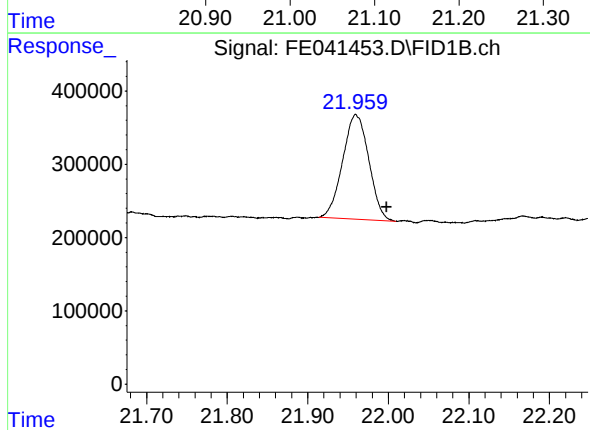
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.031 min
Response: 3286067
Conc: 21.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.039 min
Response: 3221725
Conc: 20.19 ug/ml m