

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050223AL\
 Data File : FE041673.D
 Signal(s) : FID1B.ch
 Acq On : 02 May 2023 15:31
 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 05/03/2023
 Supervised By :Ankita Jodhani 05/03/2023

Integration File: autoint1.e
 Quant Time: May 03 02:50:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.984	3691171	19.675 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	13.420	2725295	19.291 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
Target Compounds			
1) T n-Nonane (C9)	3.355	2975390	20.241 ug/ml
2) T n-Decane (C10)	4.610	3083468	20.559 ug/ml
3) T A~Naphthalene (C11.7)	6.317	3395849	20.520 ug/ml
4) T n-Dodecane (C12)	6.779	3125412	20.556 ug/ml
5) T A~2-methylnaphthalene...	7.415	3311457	20.537 ug/ml
6) T n-Tetradecane (C14)	8.609	3129608	20.603 ug/ml
7) T n-Hexadecane (C16)	10.219	3254242	20.392 ug/ml
8) T n-Octadecane (C18)	11.663	3291454	20.081 ug/ml
10) T n-Eicosane (C20)	12.974	3159358	19.642 ug/ml
11) T n-Heneicosane (C21)	13.586	3093848	19.413 ug/ml
13) T n-Docosane (C22)	14.173	3067982	19.256 ug/ml
14) T n-Tetracosane (C24)	15.278	3037064	18.838 ug/ml
15) T n-Hexacosane (C26)	16.300	2924859	18.500 ug/ml
16) T n-Octacosane (C28)	17.251	2853221	18.543 ug/ml
17) T n-Tricontane (C30)	18.140	2911721	19.118 ug/ml
18) T n-Dotriacontane (C32)	18.973	2871444	19.274 ug/ml
19) T n-Tetratriacontane (C34)	19.757	2763395	19.616 ug/ml
20) T n-Hexatriacontane (C36)	20.498	2683201	20.064 ug/mlm
21) T n-Octatriacontane (C38)	21.255	2705292	20.474 ug/mlm
22) T n-Tetracontane (C40)	22.201	2795379	22.078 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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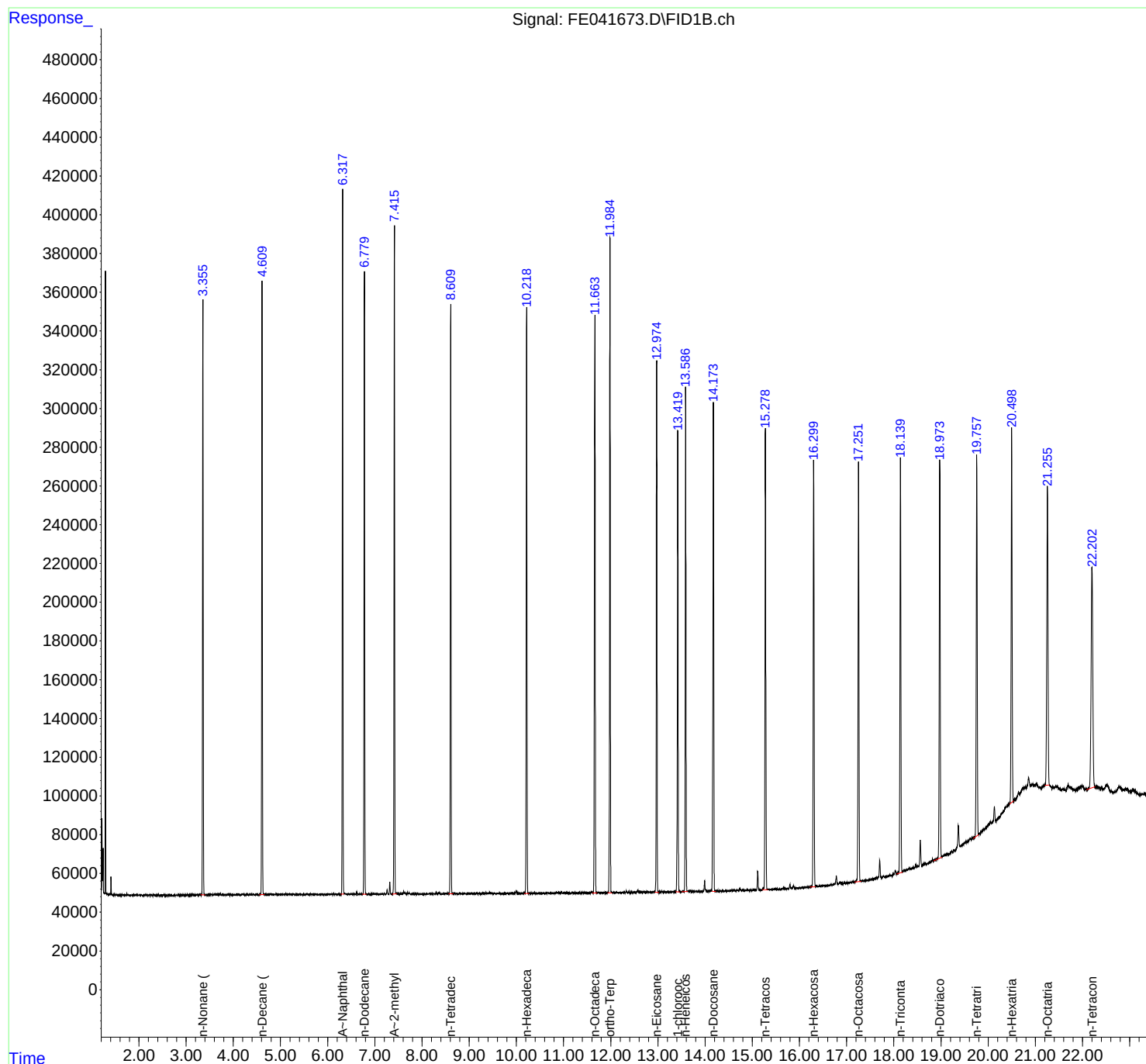
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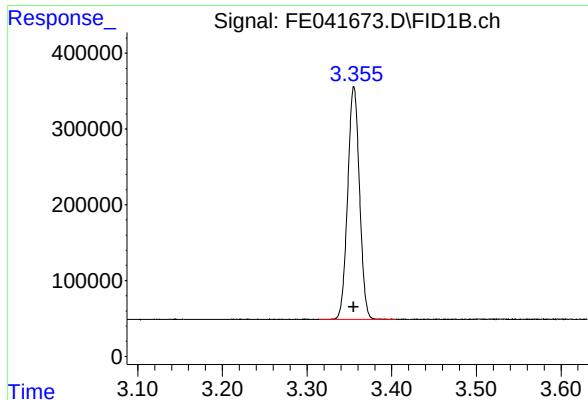
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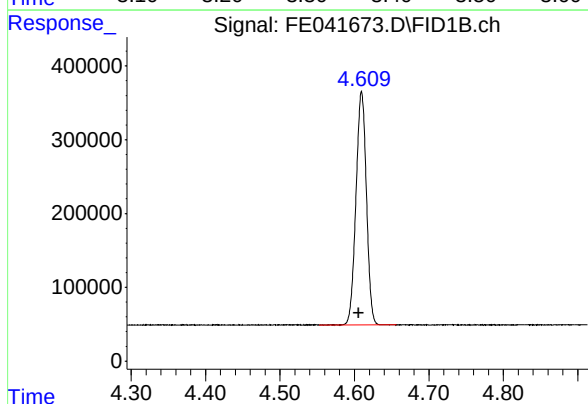
#1 n-Nonane (C9)

R.T.: 3.355 min
Delta R.T.: 0.000 min
Response: 2975390
Conc: 20.24 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

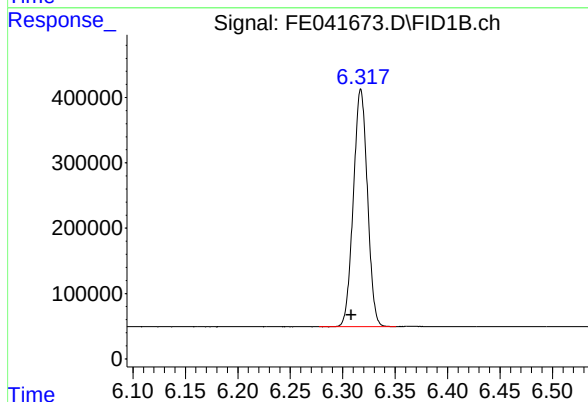
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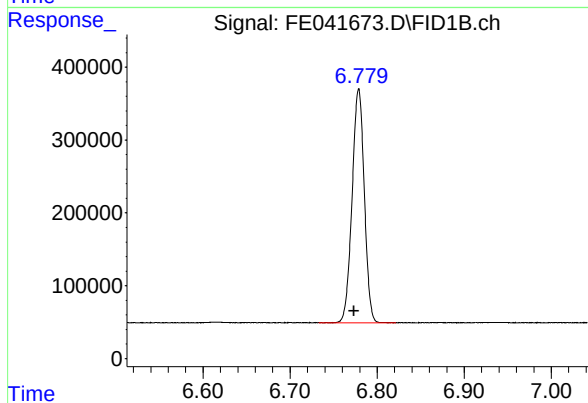
#2 n-Decane (C10)

R.T.: 4.610 min
Delta R.T.: 0.004 min
Response: 3083468
Conc: 20.56 ug/ml



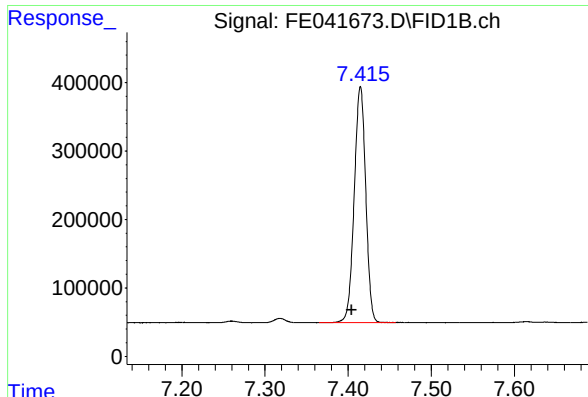
#3 A~Naphthalene (C11.7)

R.T.: 6.317 min
Delta R.T.: 0.009 min
Response: 3395849
Conc: 20.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.779 min
Delta R.T.: 0.005 min
Response: 3125412
Conc: 20.56 ug/ml



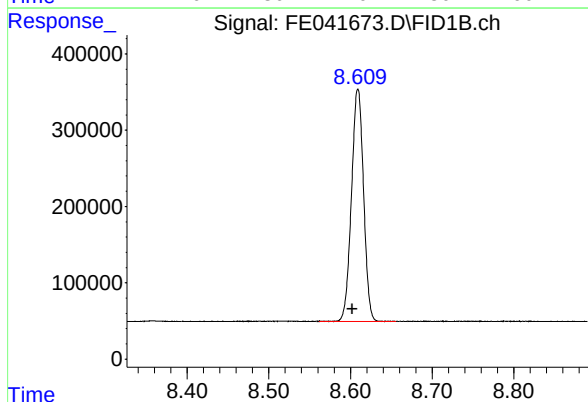
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: 0.010 min
Response: 3311457
Conc: 20.54 ug/ml

Instrument : FID_E
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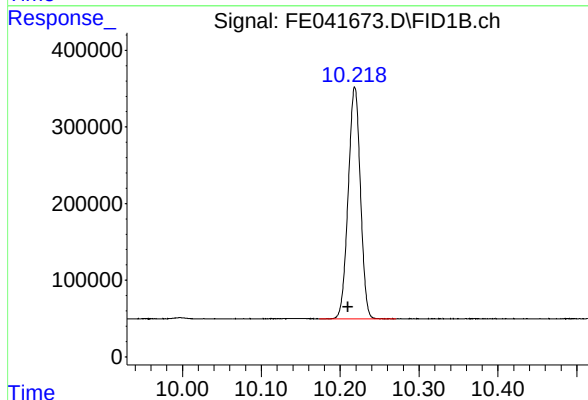
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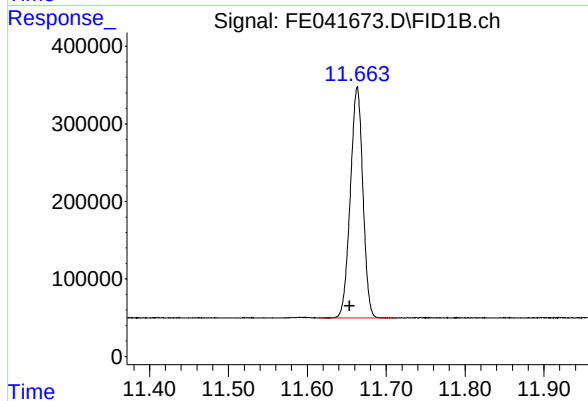
#6 n-Tetradecane (C14)

R.T.: 8.609 min
Delta R.T.: 0.007 min
Response: 3129608
Conc: 20.60 ug/ml



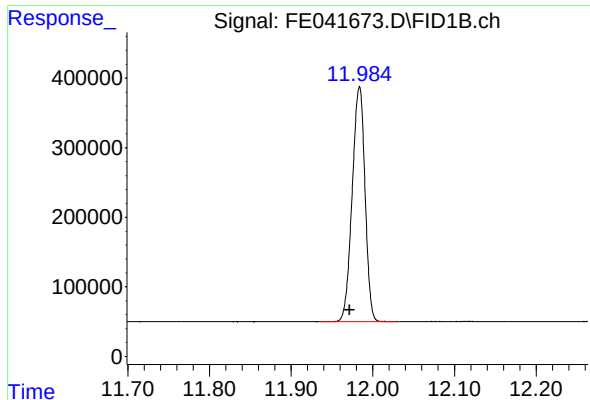
#7 n-Hexadecane (C16)

R.T.: 10.219 min
Delta R.T.: 0.009 min
Response: 3254242
Conc: 20.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.663 min
Delta R.T.: 0.009 min
Response: 3291454
Conc: 20.08 ug/ml



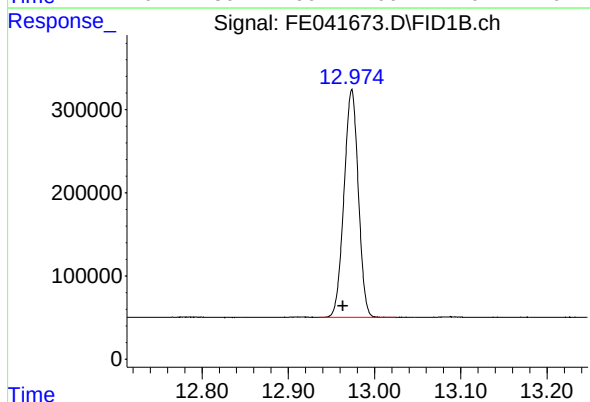
#9 ortho-Terphenyl (SURR)

R.T.: 11.984 min
Delta R.T.: 0.012 min
Response: 3691171
Conc: 19.67 ug/ml

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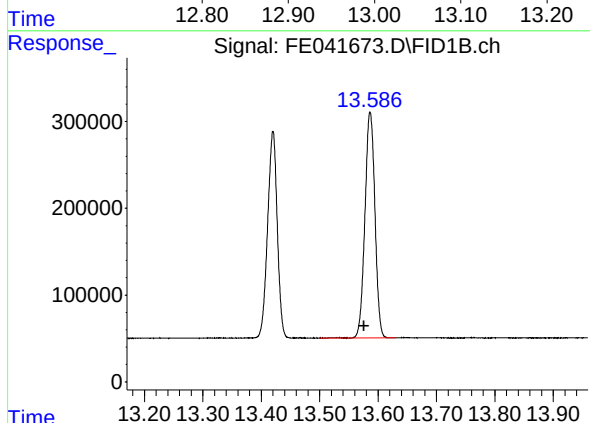
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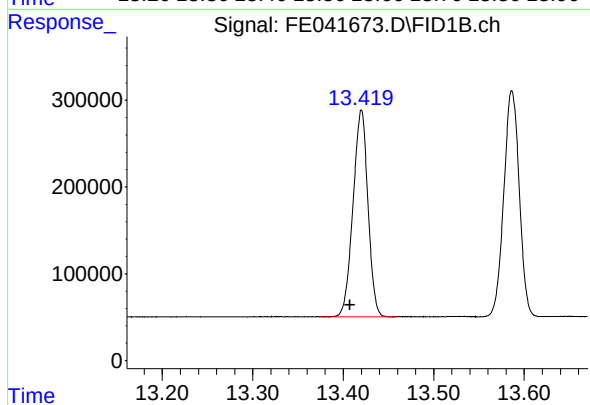
#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: 0.010 min
Response: 3159358
Conc: 19.64 ug/ml



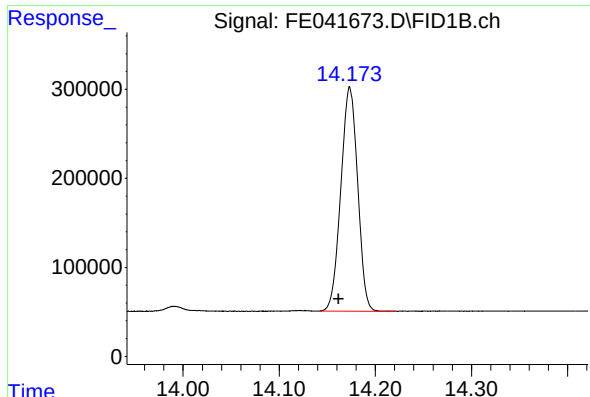
#11 n-Heneicosane (C21)

R.T.: 13.586 min
Delta R.T.: 0.011 min
Response: 3093848
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.420 min
Delta R.T.: 0.013 min
Response: 2725295
Conc: 19.29 ug/ml



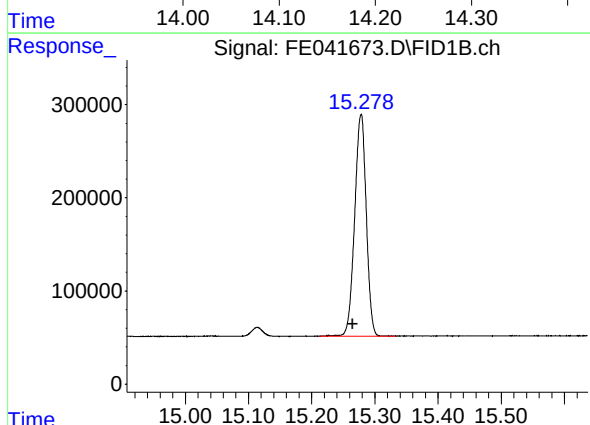
#13 n-Docosane (C22)

R.T.: 14.173 min
Delta R.T.: 0.011 min
Response: 3067982
Conc: 19.26 ug/ml

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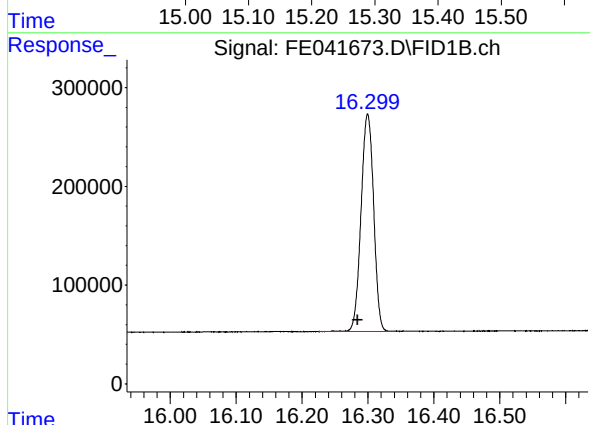
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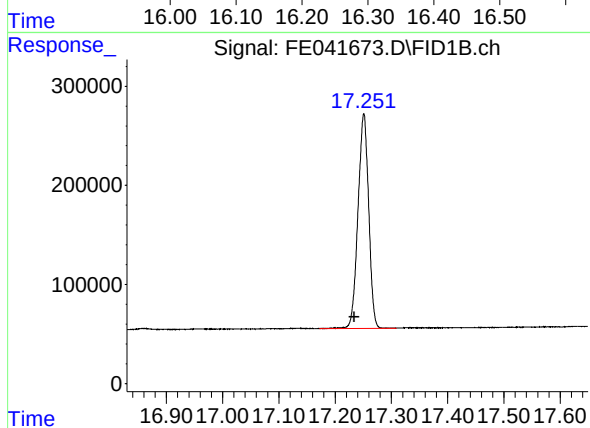
#14 n-Tetracosane (C24)

R.T.: 15.278 min
Delta R.T.: 0.013 min
Response: 3037064
Conc: 18.84 ug/ml



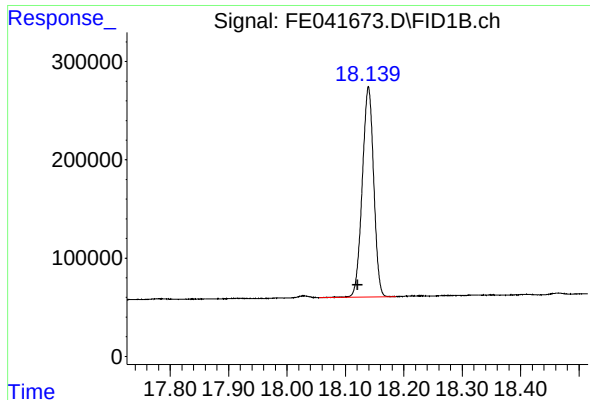
#15 n-Hexacosane (C26)

R.T.: 16.300 min
Delta R.T.: 0.015 min
Response: 2924859
Conc: 18.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.251 min
Delta R.T.: 0.017 min
Response: 2853221
Conc: 18.54 ug/ml



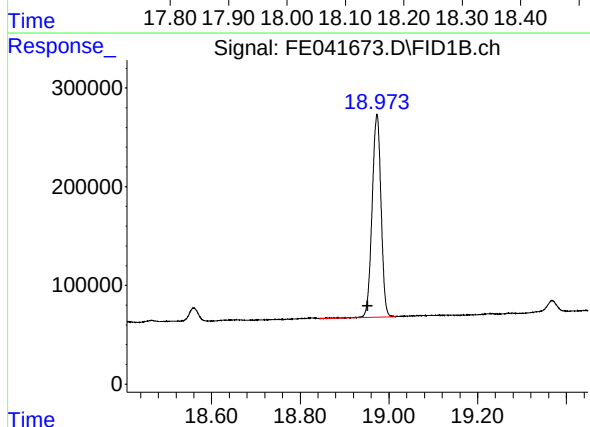
#17 n-Tricontane (C30)

R.T.: 18.140 min
Delta R.T.: 0.018 min
Response: 2911721
Conc: 19.12 ug/ml

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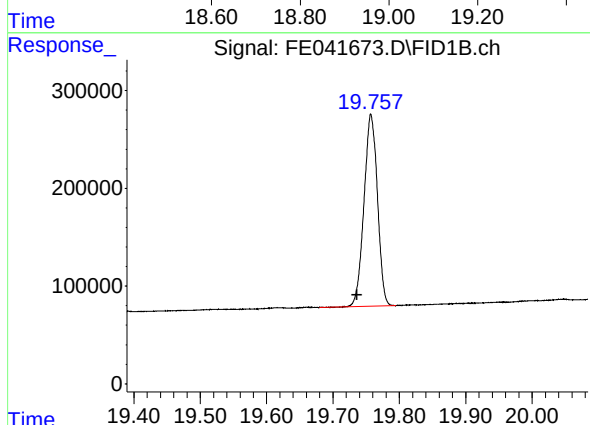
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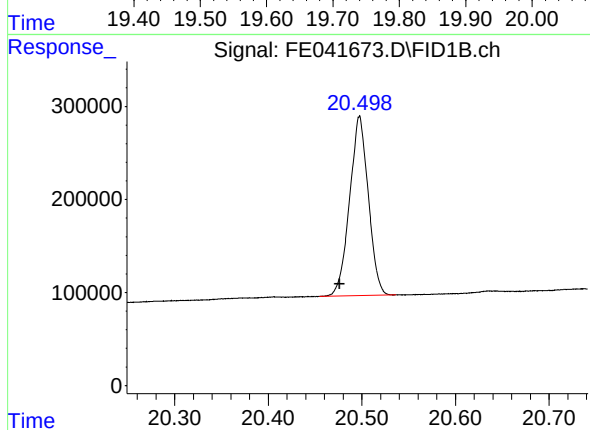
#18 n-Dotriacontane (C32)

R.T.: 18.973 min
Delta R.T.: 0.021 min
Response: 2871444
Conc: 19.27 ug/ml



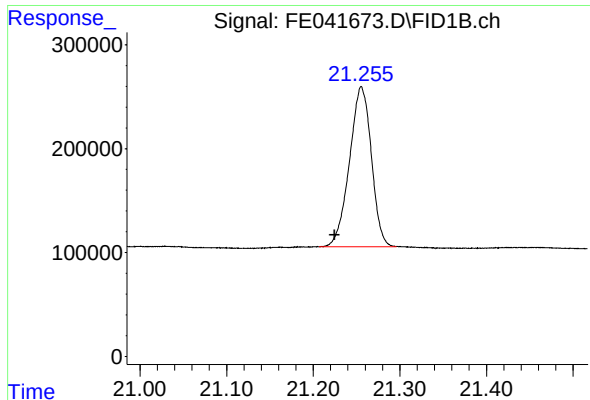
#19 n-Tetratriacontane (C34)

R.T.: 19.757 min
Delta R.T.: 0.021 min
Response: 2763395
Conc: 19.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.498 min
Delta R.T.: 0.022 min
Response: 2683201
Conc: 20.06 ug/ml m



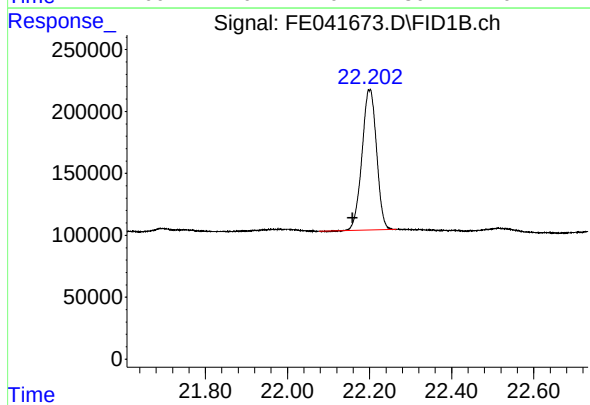
#21 n-Octatriacontane (C38)

R.T.: 21.255 min
Delta R.T.: 0.030 min
Response: 2705292
Conc: 20.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: 0.043 min
Response: 2795379
Conc: 22.08 ug/ml