

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112823AL\
 Data File : FE045550.D
 Signal(s) : FID1B.ch
 Acq On : 28 Nov 2023 11:29
 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 11/29/2023
 Supervised By :Ankita Jodhani 11/29/2023

Integration File: autoint1.e
 Quant Time: Nov 28 23:05:23 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)	11.865	3797954	19.892 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
12) S 1-chlorooctadecane (S...	13.308	2583558	18.757 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
Target Compounds			
1) T n-Nonane (C9)	3.252	3239608	19.610 ug/ml
2) T n-Decane (C10)	4.503	3325000	19.830 ug/ml
3) T A~Naphthalene (C11.7)	6.203	3495169	19.581 ug/ml
4) T n-Dodecane (C12)	6.670	3341132	19.783 ug/ml
5) T A~2-methylnaphthalene...	7.299	3313093	19.294 ug/ml
6) T n-Tetradecane (C14)	8.497	3287989	19.728 ug/ml
7) T n-Hexadecane (C16)	10.107	3302225	19.632 ug/ml
8) T n-Octadecane (C18)	11.552	3307102	19.759 ug/ml
10) T n-Eicosane (C20)	12.864	3133388	19.780 ug/ml
11) T n-Heneicosane (C21)	13.477	3032121	19.720 ug/ml
13) T n-Docosane (C22)	14.064	2997047	19.781 ug/ml
14) T n-Tetracosane (C24)	15.168	2974645	20.084 ug/ml
15) T n-Hexacosane (C26)	16.192	2936306	20.145 ug/ml
16) T n-Octacosane (C28)	17.144	2949903	20.187 ug/ml
17) T n-Tricontane (C30)	18.033	3026263	19.923 ug/ml
18) T n-Dotriacontane (C32)	18.868	3084577	19.745 ug/ml
19) T n-Tetratriacontane (C34)	19.656	3047502	19.518 ug/mlm
20) T n-Hexatriacontane (C36)	20.394	3040228	18.730 ug/mlm
21) T n-Octatriacontane (C38)	21.129	2957596	17.802 ug/ml
22) T n-Tetracontane (C40)	22.040	2727671	15.969 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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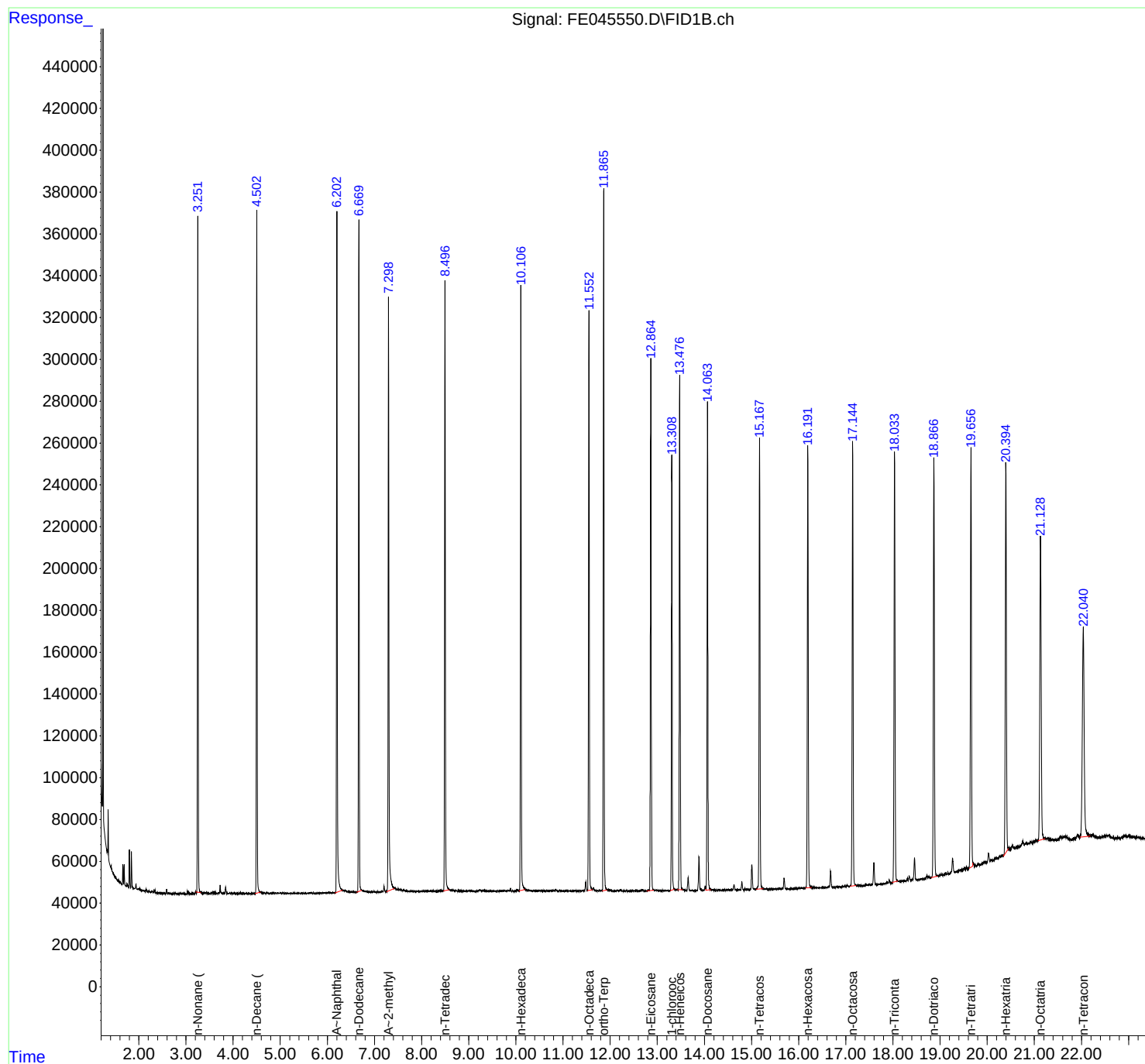
Instrument :
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20 PPM ALIPHATIC HC STD

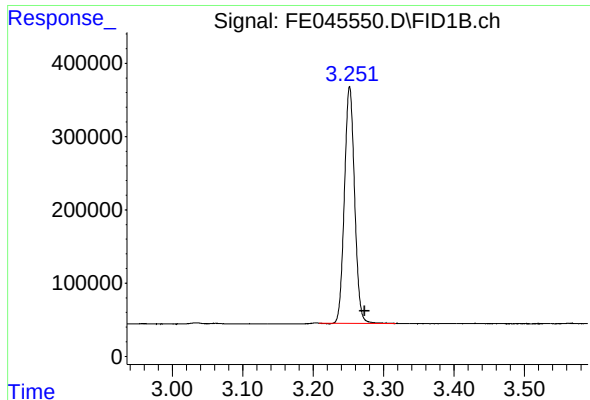
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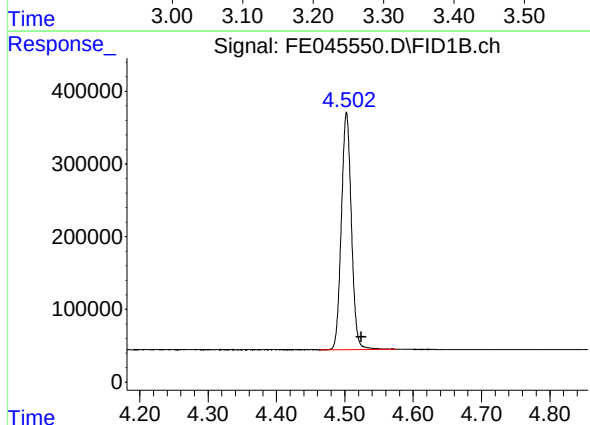
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.021 min
Response: 3239608
Conc: 19.61 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

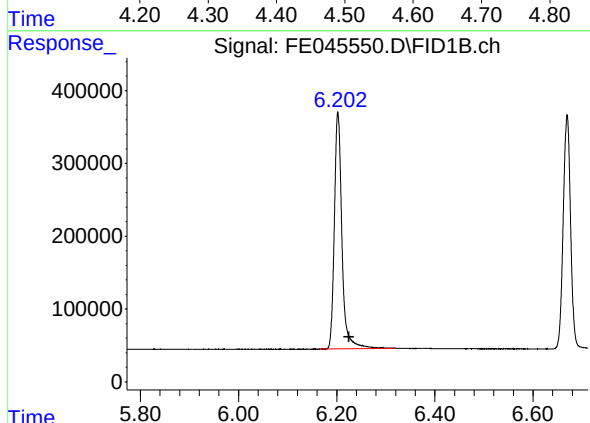
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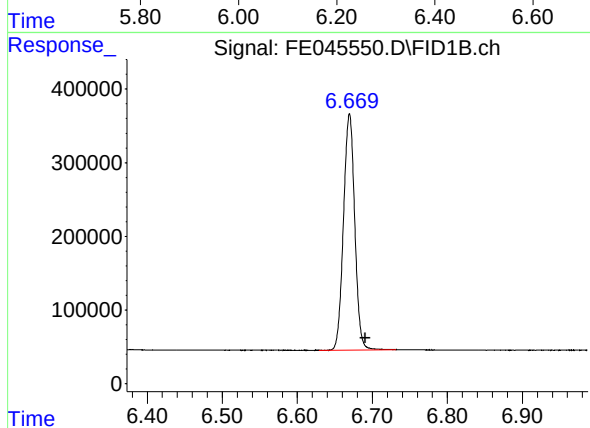
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.022 min
Response: 3325000
Conc: 19.83 ug/ml



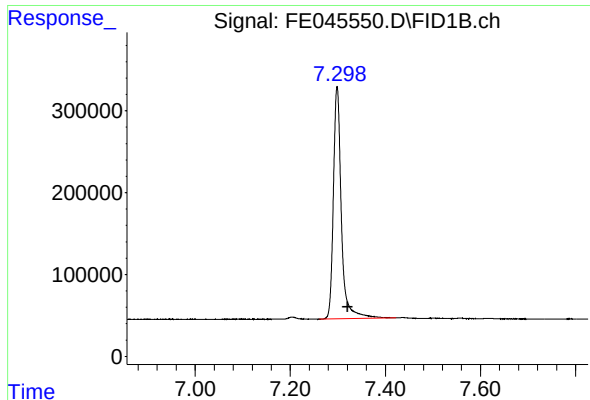
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: -0.022 min
Response: 3495169
Conc: 19.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: -0.021 min
Response: 3341132
Conc: 19.78 ug/ml



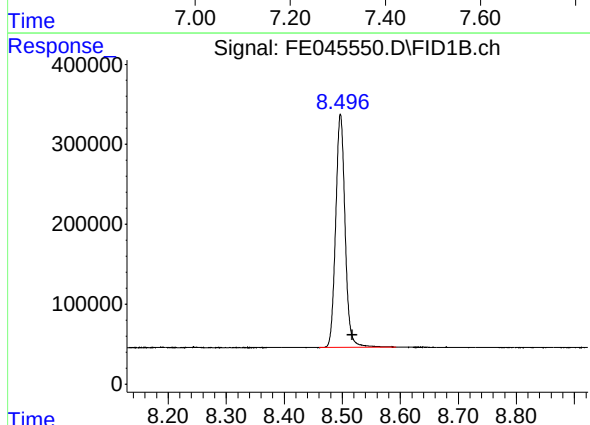
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: -0.022 min
Response: 3313093
Conc: 19.29 ug/ml

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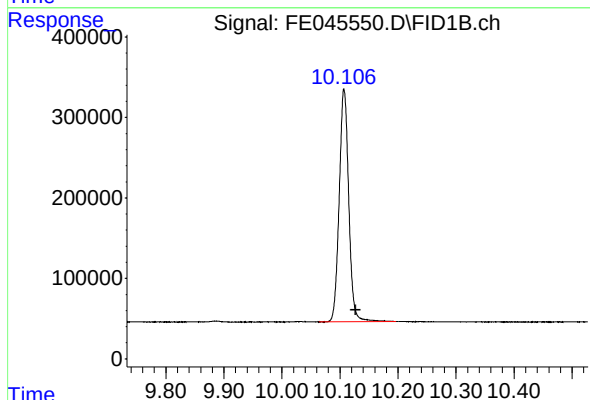
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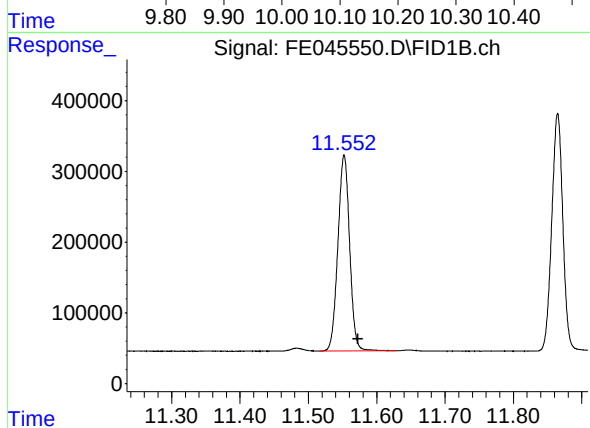
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.021 min
Response: 3287989
Conc: 19.73 ug/ml



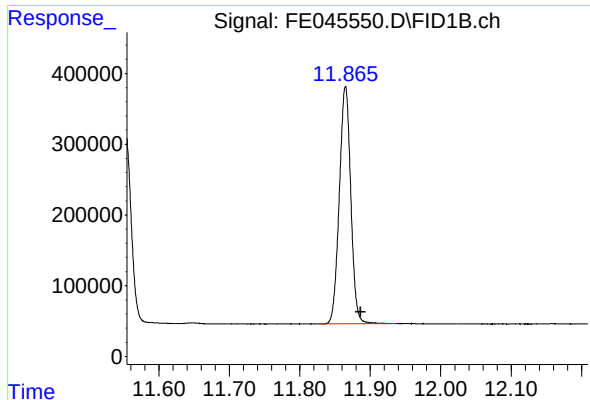
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.020 min
Response: 3302225
Conc: 19.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.021 min
Response: 3307102
Conc: 19.76 ug/ml



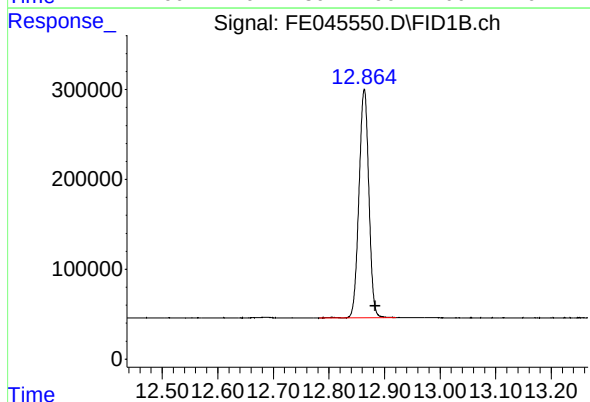
#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.022 min
Response: 3797954
Conc: 19.89 ug/ml

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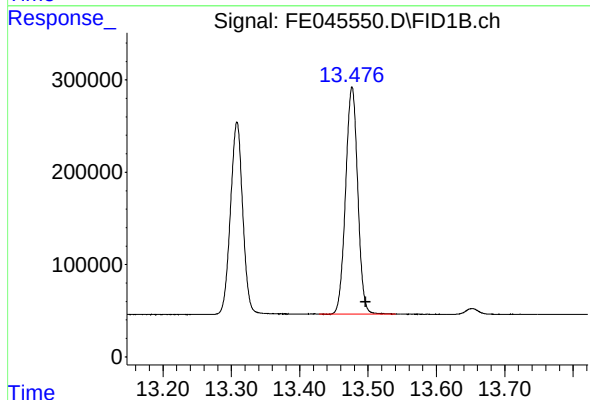
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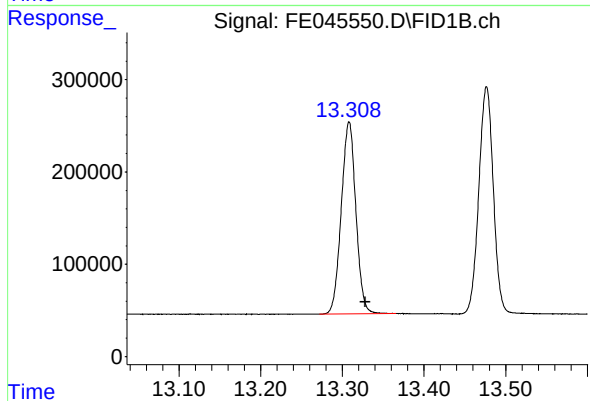
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.020 min
Response: 3133388
Conc: 19.78 ug/ml



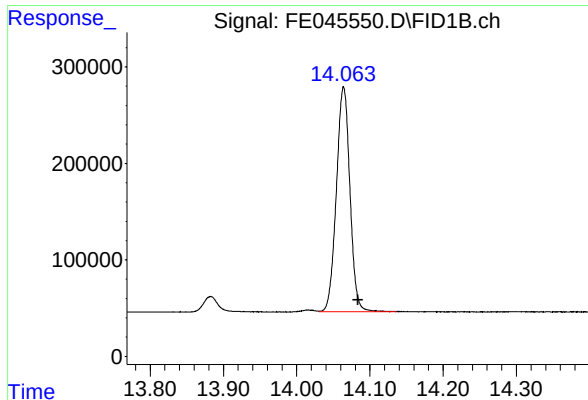
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.020 min
Response: 3032121
Conc: 19.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.020 min
Response: 2583558
Conc: 18.76 ug/ml



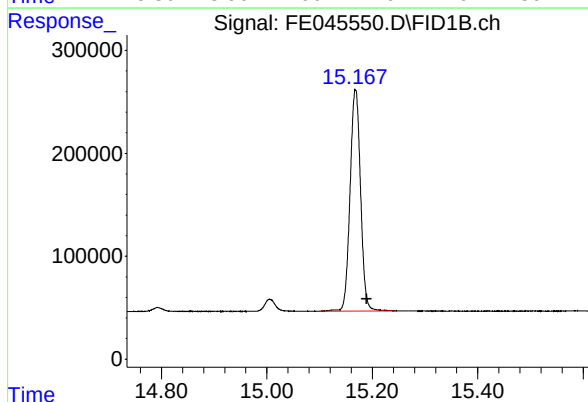
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: -0.020 min
Response: 2997047
Conc: 19.78 ug/ml

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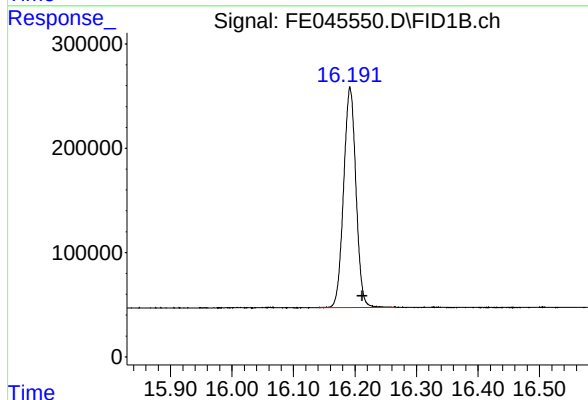
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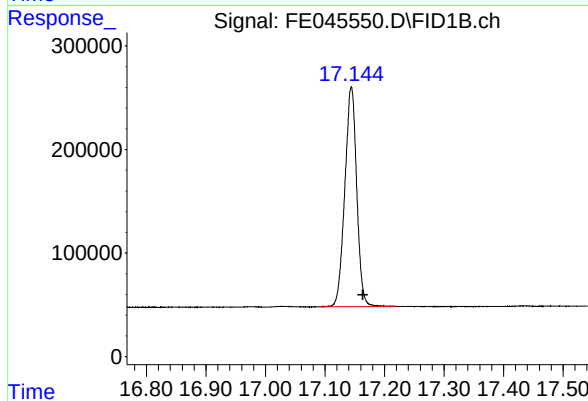
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: -0.021 min
Response: 2974645
Conc: 20.08 ug/ml



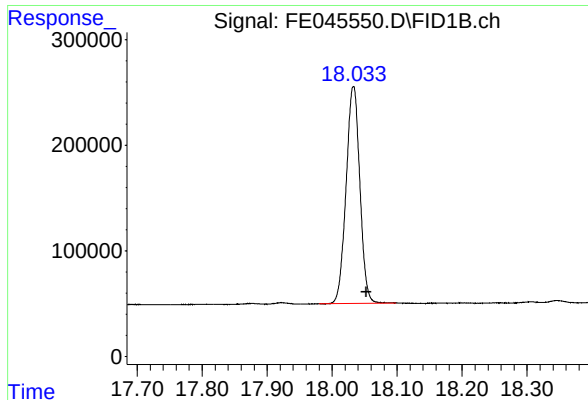
#15 n-Hexacosane (C26)

R.T.: 16.192 min
Delta R.T.: -0.020 min
Response: 2936306
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: -0.019 min
Response: 2949903
Conc: 20.19 ug/ml



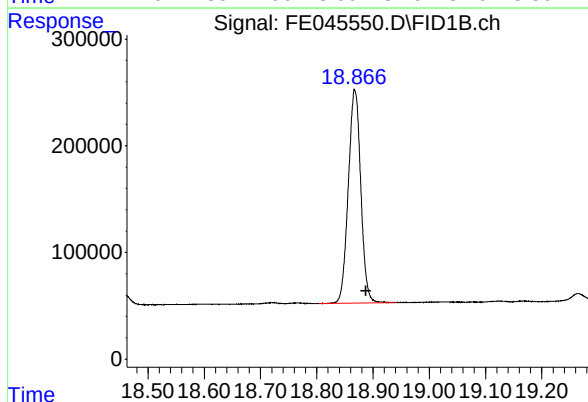
#17 n-Tricontane (C30)

R.T.: 18.033 min
Delta R.T.: -0.020 min
Response: 3026263
Conc: 19.92 ug/ml

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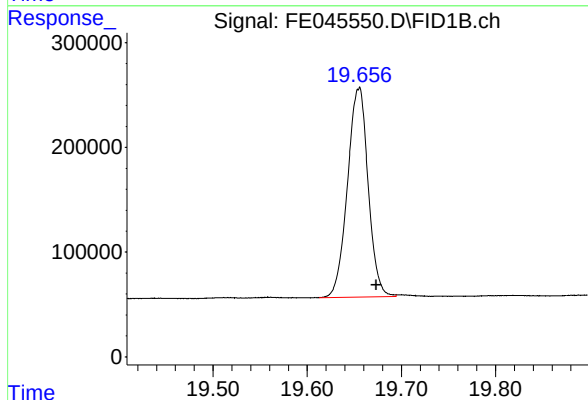
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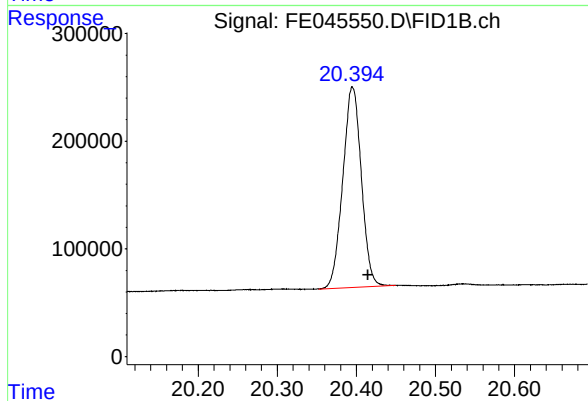
#18 n-Dotriacontane (C32)

R.T.: 18.868 min
Delta R.T.: -0.020 min
Response: 3084577
Conc: 19.74 ug/ml



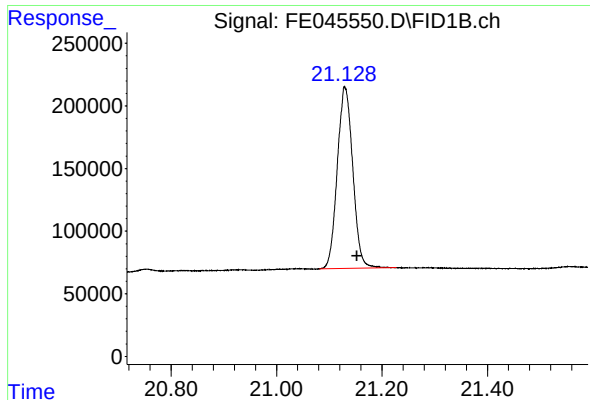
#19 n-Tetratriacontane (C34)

R.T.: 19.656 min
Delta R.T.: -0.018 min
Response: 3047502
Conc: 19.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.394 min
Delta R.T.: -0.021 min
Response: 3040228
Conc: 18.73 ug/ml m



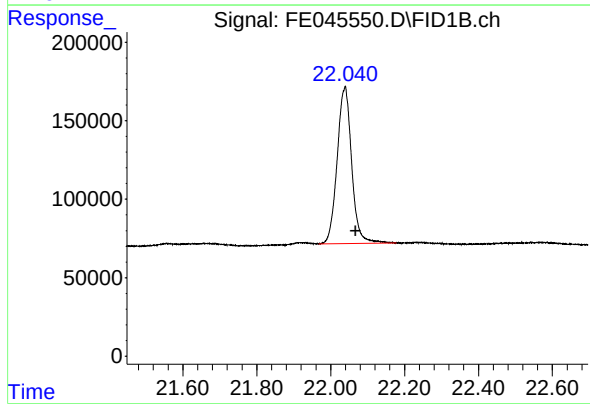
#21 n-Octatriacontane (C38)

R.T.: 21.129 min
Delta R.T.: -0.023 min
Response: 2957596
Conc: 17.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.040 min
Delta R.T.: -0.028 min
Response: 2727671
Conc: 15.97 ug/ml m