

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042223AL\
 Data File : FE041503.D
 Signal(s) : FID1B.ch
 Acq On : 22 Apr 2023 07:52
 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 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 22 08:26:39 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)	11.983	3643184	19.419 ug/ml
Spiked Amount 50.000		Recovery =	38.84%
12) S 1-chlorooctadecane (S...	13.418	2713435	19.208 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
Target Compounds			
1) T n-Nonane (C9)	3.359	3045309	20.717 ug/ml
2) T n-Decane (C10)	4.612	3115896	20.775 ug/ml
3) T A~Naphthalene (C11.7)	6.318	3436064	20.763 ug/ml
4) T n-Dodecane (C12)	6.780	3160130	20.784 ug/ml
5) T A~2-methylnaphthalene...	7.415	3341759	20.724 ug/ml
6) T n-Tetradecane (C14)	8.610	3149590	20.734 ug/ml
7) T n-Hexadecane (C16)	10.218	3255452	20.400 ug/ml
8) T n-Octadecane (C18)	11.663	3271266	19.957 ug/ml
10) T n-Eicosane (C20)	12.973	3129679	19.458 ug/ml
11) T n-Heneicosane (C21)	13.586	3068829	19.256 ug/ml
13) T n-Docosane (C22)	14.172	3032202	19.031 ug/ml
14) T n-Tetracosane (C24)	15.276	2992933	18.564 ug/ml
15) T n-Hexacosane (C26)	16.297	2870925	18.159 ug/ml
16) T n-Octacosane (C28)	17.246	2777707	18.052 ug/ml
17) T n-Tricontane (C30)	18.133	2766834	18.167 ug/ml
18) T n-Dotriacontane (C32)	18.966	2687425	18.039 ug/ml
19) T n-Tetratriacontane (C34)	19.750	2611565	18.538 ug/ml
20) T n-Hexatriacontane (C36)	20.490	2548723	19.059 ug/ml
21) T n-Octatriacontane (C38)	21.245	2660979	20.138 ug/ml
22) T n-Tetracontane (C40)	22.188	2695619	21.291 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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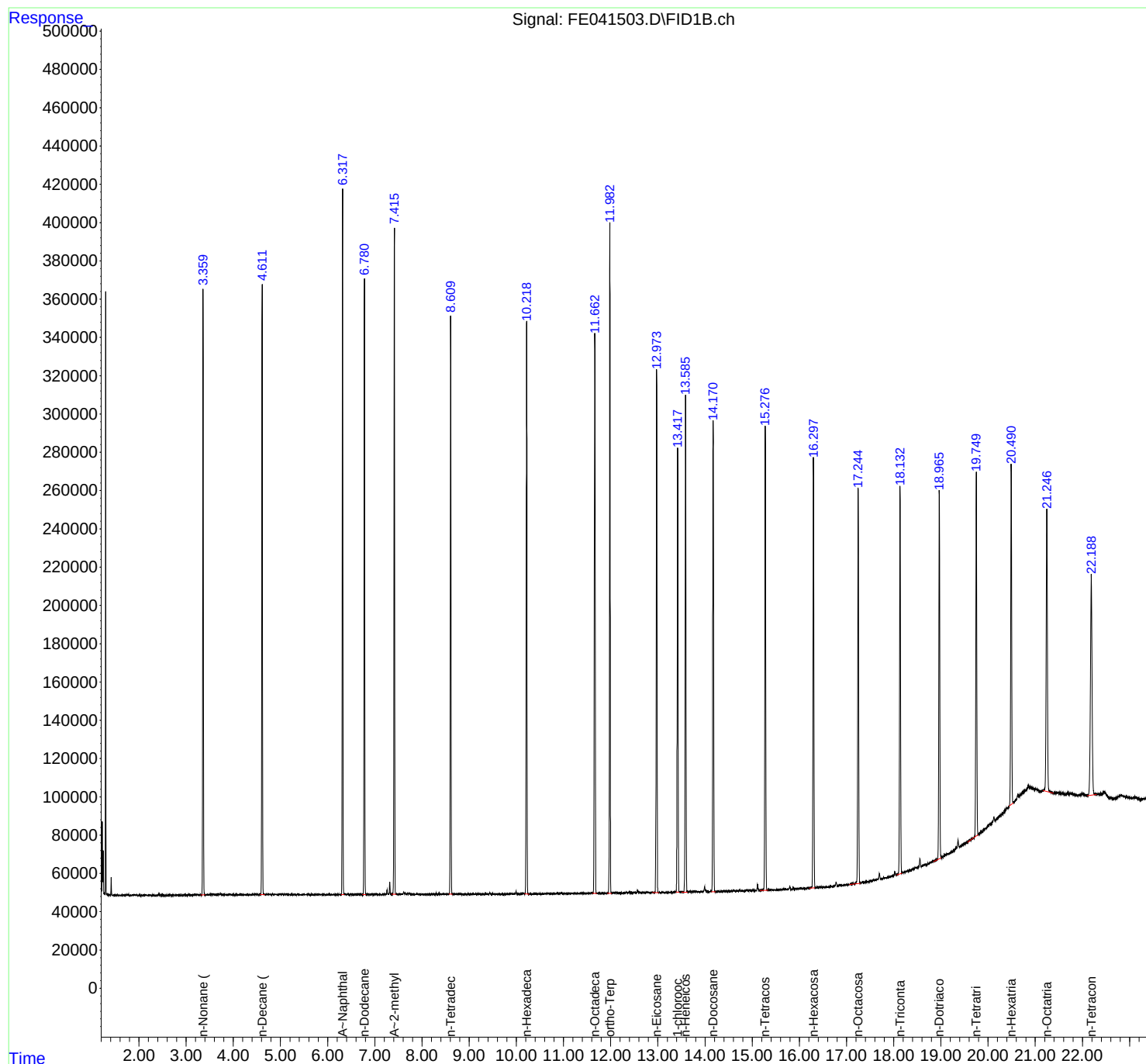
Instrument :
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20 PPM ALIPHATIC HC STD

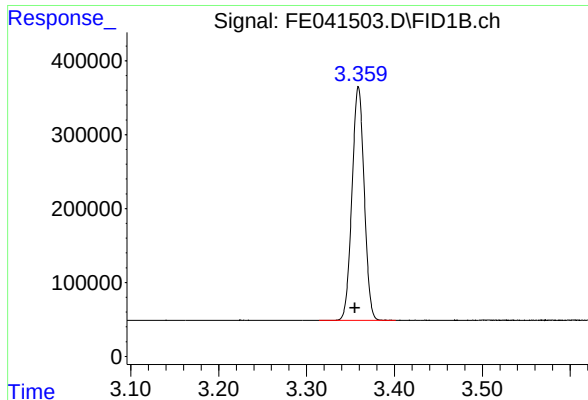
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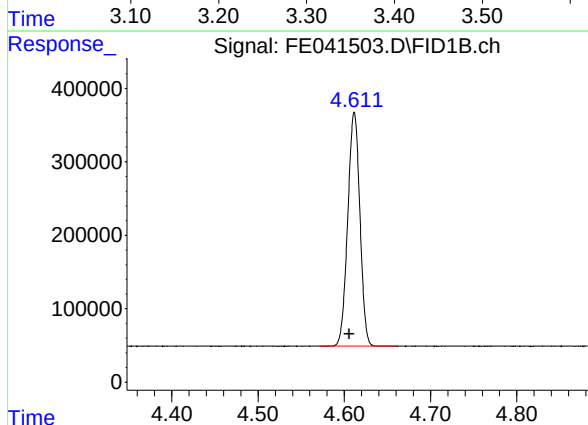
#1 n-Nonane (C9)

R.T.: 3.359 min
Delta R.T.: 0.004 min
Response: 3045309
Conc: 20.72 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

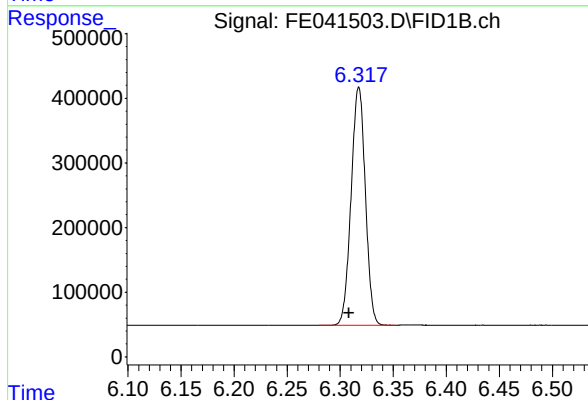
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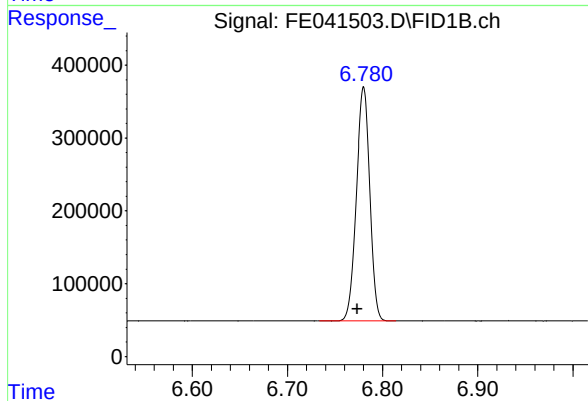
#2 n-Decane (C10)

R.T.: 4.612 min
Delta R.T.: 0.006 min
Response: 3115896
Conc: 20.78 ug/ml



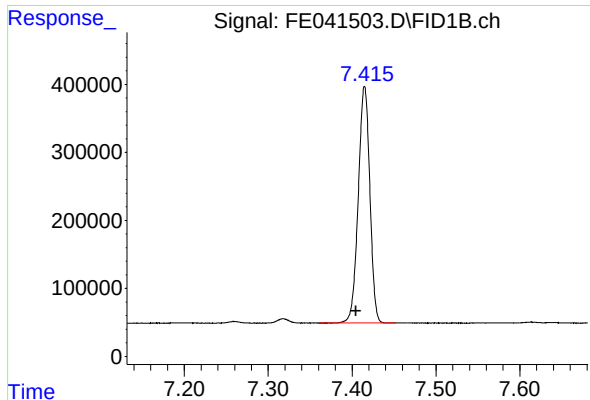
#3 A~Naphthalene (C11.7)

R.T.: 6.318 min
Delta R.T.: 0.009 min
Response: 3436064
Conc: 20.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.780 min
Delta R.T.: 0.007 min
Response: 3160130
Conc: 20.78 ug/ml



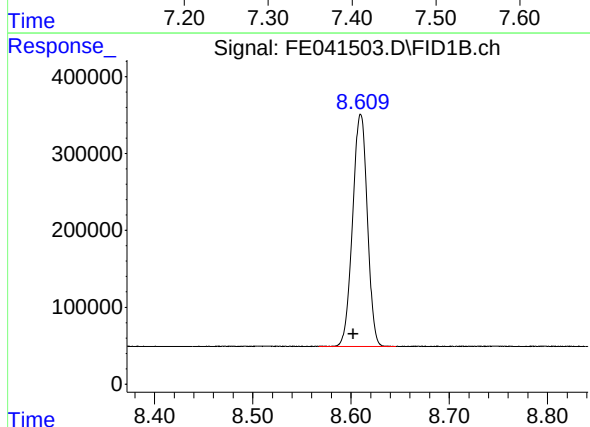
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: 0.011 min
Response: 3341759
Conc: 20.72 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

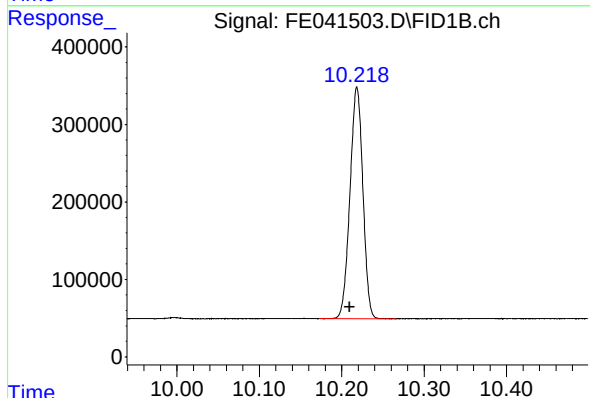
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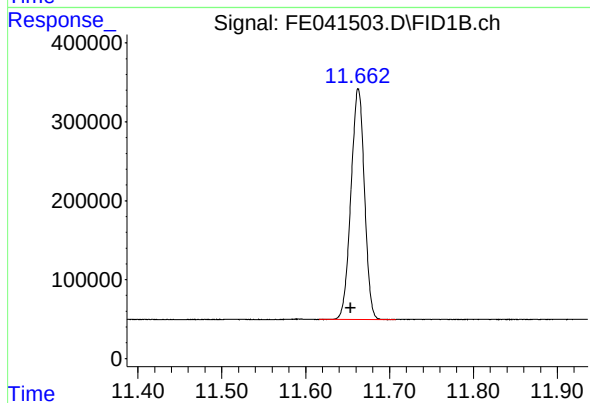
#6 n-Tetradecane (C14)

R.T.: 8.610 min
Delta R.T.: 0.008 min
Response: 3149590
Conc: 20.73 ug/ml



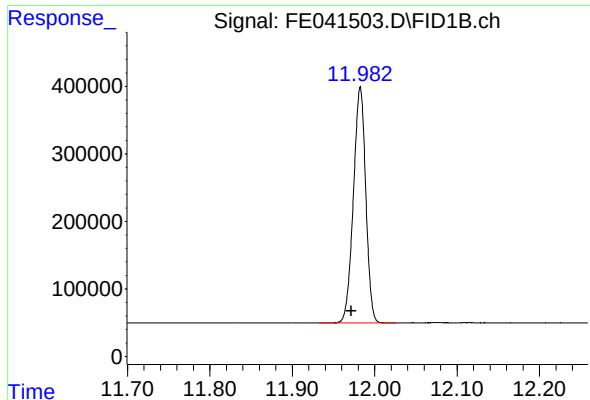
#7 n-Hexadecane (C16)

R.T.: 10.218 min
Delta R.T.: 0.009 min
Response: 3255452
Conc: 20.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.663 min
Delta R.T.: 0.009 min
Response: 3271266
Conc: 19.96 ug/ml



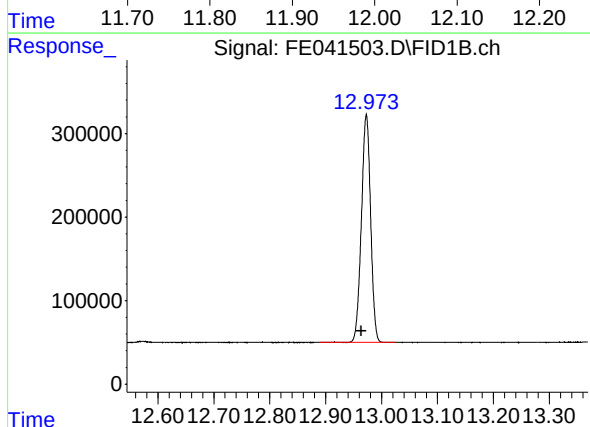
#9 ortho-Terphenyl (SURR)

R.T.: 11.983 min
Delta R.T.: 0.011 min
Response: 3643184
Conc: 19.42 ug/ml

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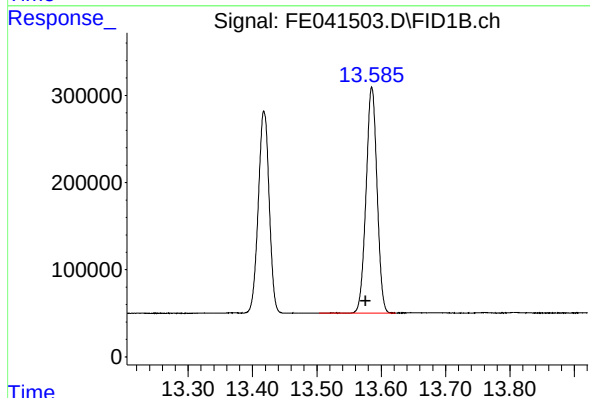
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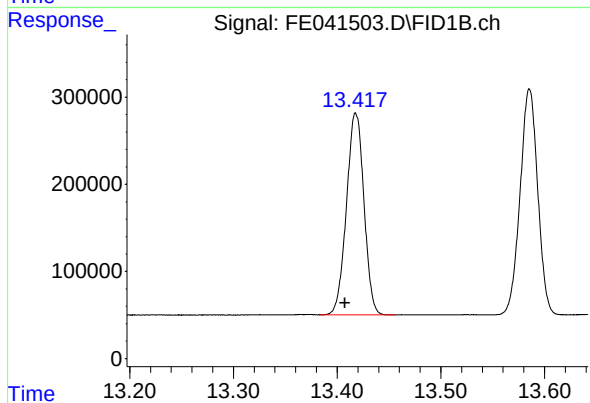
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.009 min
Response: 3129679
Conc: 19.46 ug/ml



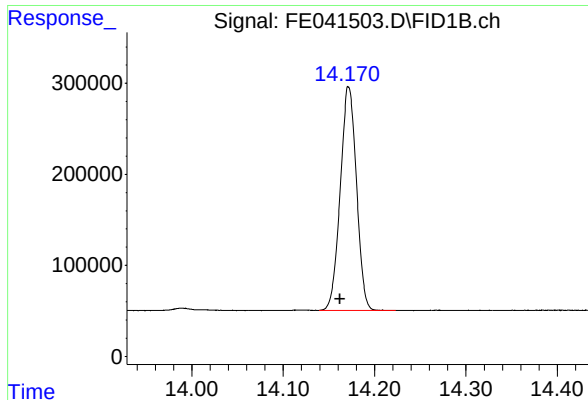
#11 n-Heneicosane (C21)

R.T.: 13.586 min
Delta R.T.: 0.010 min
Response: 3068829
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.418 min
Delta R.T.: 0.010 min
Response: 2713435
Conc: 19.21 ug/ml



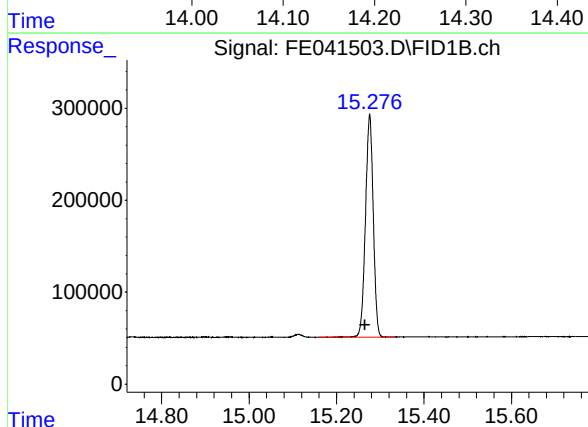
#13 n-Docosane (C22)

R.T.: 14.172 min
Delta R.T.: 0.010 min
Response: 3032202
Conc: 19.03 ug/ml

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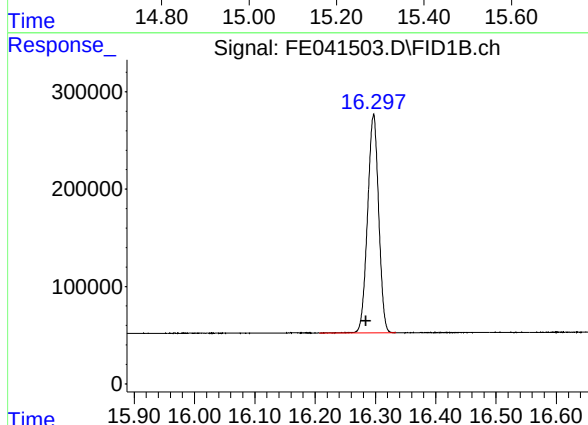
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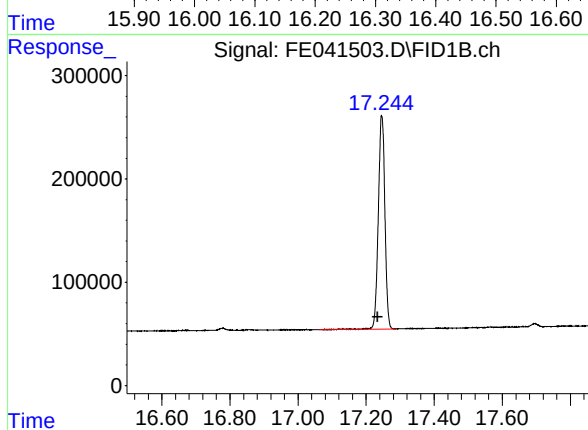
#14 n-Tetracosane (C24)

R.T.: 15.276 min
Delta R.T.: 0.011 min
Response: 2992933
Conc: 18.56 ug/ml



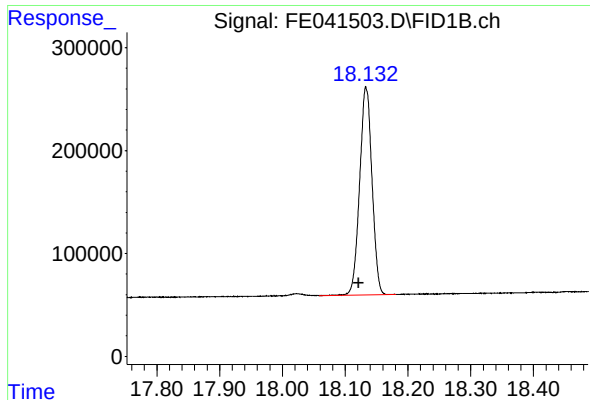
#15 n-Hexacosane (C26)

R.T.: 16.297 min
Delta R.T.: 0.012 min
Response: 2870925
Conc: 18.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.246 min
Delta R.T.: 0.012 min
Response: 2777707
Conc: 18.05 ug/ml



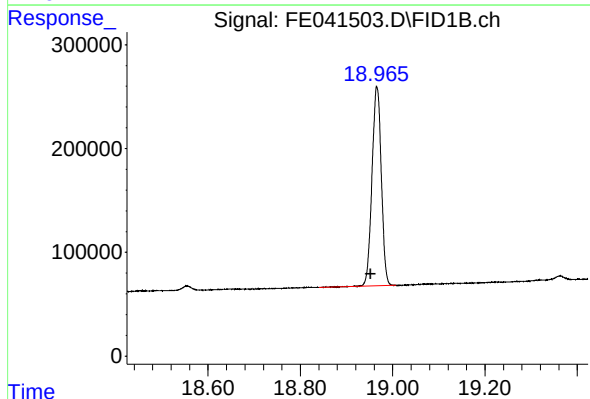
#17 n-Tricontane (C30)

R.T.: 18.133 min
Delta R.T.: 0.012 min
Response: 2766834
Conc: 18.17 ug/ml

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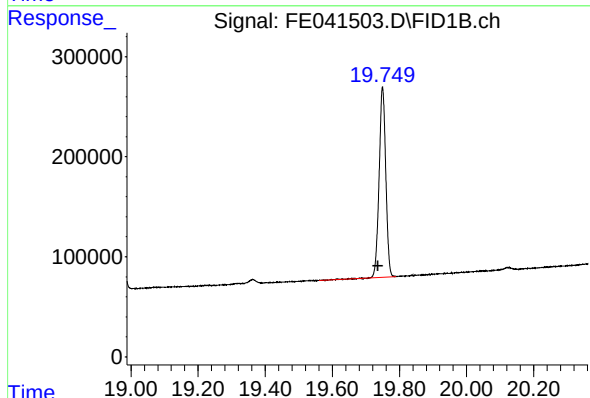
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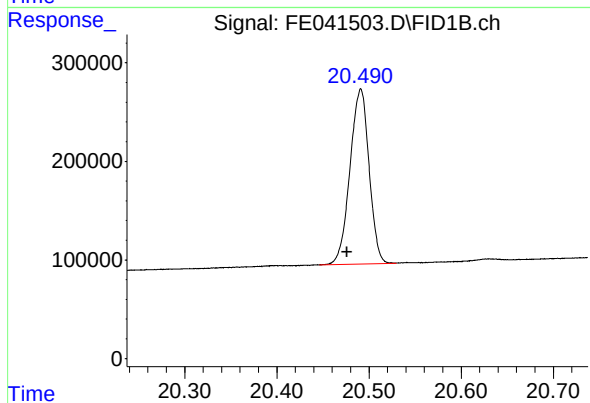
#18 n-Dotriacontane (C32)

R.T.: 18.966 min
Delta R.T.: 0.014 min
Response: 2687425
Conc: 18.04 ug/ml



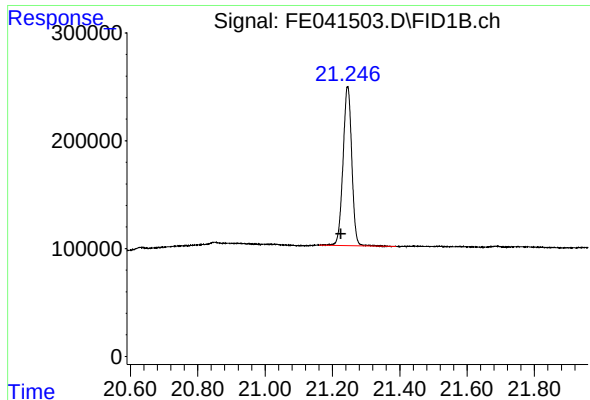
#19 n-Tetratriacontane (C34)

R.T.: 19.750 min
Delta R.T.: 0.014 min
Response: 2611565
Conc: 18.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.490 min
Delta R.T.: 0.014 min
Response: 2548723
Conc: 19.06 ug/ml m



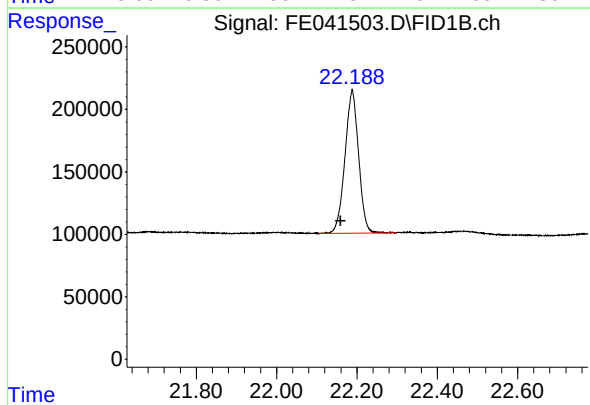
#21 n-Octatriacontane (C38)

R.T.: 21.245 min
Delta R.T.: 0.021 min
Response: 2660979
Conc: 20.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.188 min
Delta R.T.: 0.029 min
Response: 2695619
Conc: 21.29 ug/ml