

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040623AL\
 Data File : FE041202.D
 Signal(s) : FID1B.ch
 Acq On : 06 Apr 2023 19:02
 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 04/07/2023
 Supervised By :Ankita Jodhani 04/07/2023

Integration File: autoint1.e
 Quant Time: Apr 07 03:19:14 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)	11.845	3563218	18.959 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
12) S 1-chlorooctadecane (S...	13.283	2756747	19.160 ug/ml
Spiked Amount 50.000		Recovery =	38.32%
Target Compounds			
1) T n-Nonane (C9)	3.243	3174259	18.294 ug/ml
2) T n-Decane (C10)	4.490	3184137	18.706 ug/ml
3) T A~Naphthalene (C11.7)	6.192	3507256	19.175 ug/ml
4) T n-Dodecane (C12)	6.655	3263813	18.816 ug/ml
5) T A~2-methylnaphthalene...	7.287	3287207	19.849 ug/ml
6) T n-Tetradecane (C14)	8.482	3299792	18.925 ug/ml
7) T n-Hexadecane (C16)	10.088	3393626	19.081 ug/ml
8) T n-Octadecane (C18)	11.530	3428759	19.203 ug/ml
10) T n-Eicosane (C20)	12.839	3297696	19.333 ug/ml
11) T n-Heneicosane (C21)	13.452	3253992	19.233 ug/ml
13) T n-Docosane (C22)	14.038	3221030	19.464 ug/ml
14) T n-Tetracosane (C24)	15.142	3198722	19.771 ug/ml
15) T n-Hexacosane (C26)	16.163	3105952	20.036 ug/ml
16) T n-Octacosane (C28)	17.114	3141228	20.507 ug/ml
17) T n-Tricontane (C30)	18.004	3260788	21.333 ug/ml
18) T n-Dotriacontane (C32)	18.836	3304446	21.165 ug/ml
19) T n-Tetratriacontane (C34)	19.622	3253548	20.995 ug/mlm
20) T n-Hexatriacontane (C36)	20.363	3118993	20.533 ug/ml
21) T n-Octatriacontane (C38)	21.088	3154029	20.190 ug/mlm
22) T n-Tetracontane (C40)	21.971	3248407	20.353 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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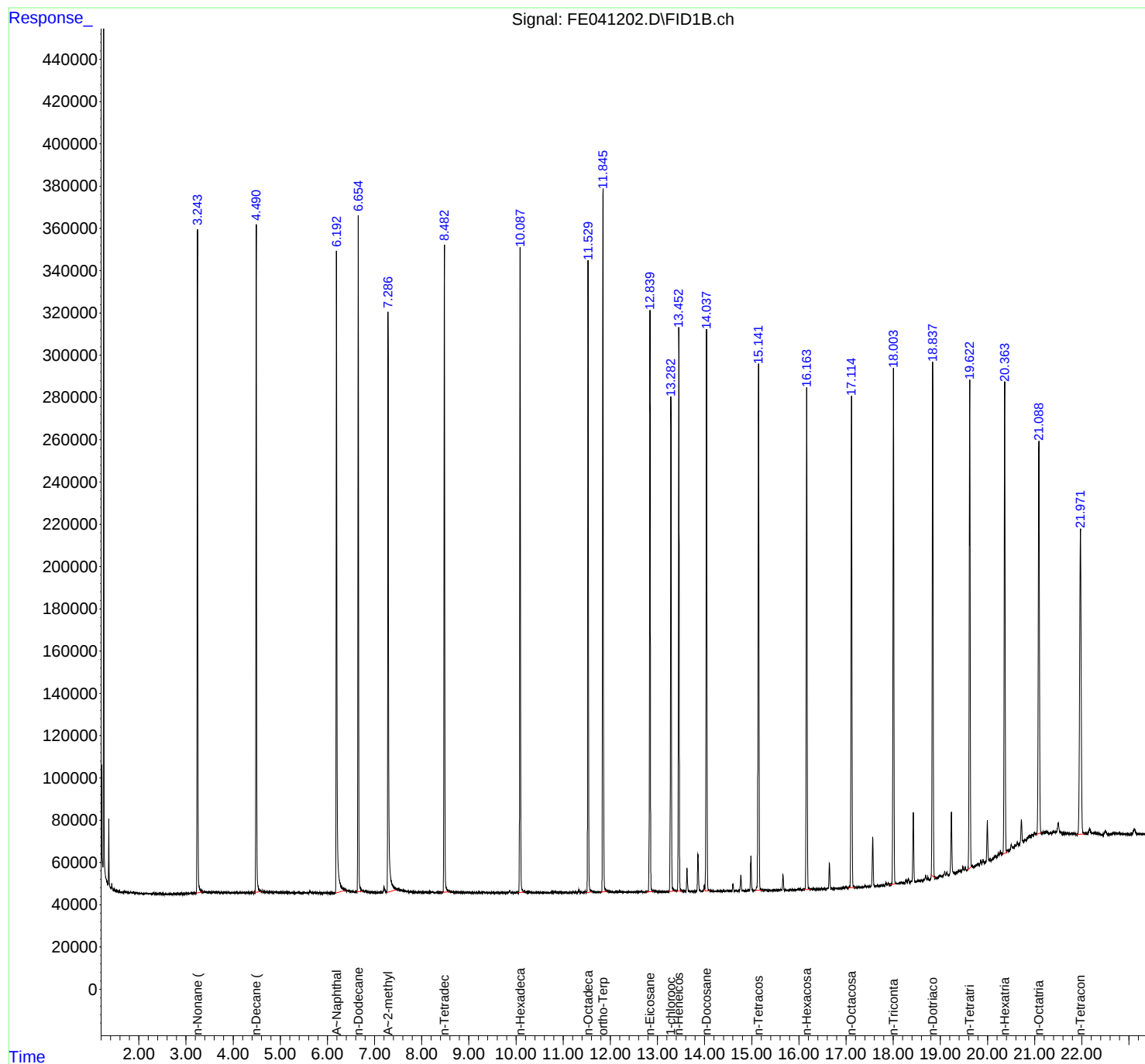
Instrument :
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20 PPM ALIPHATIC HC STD

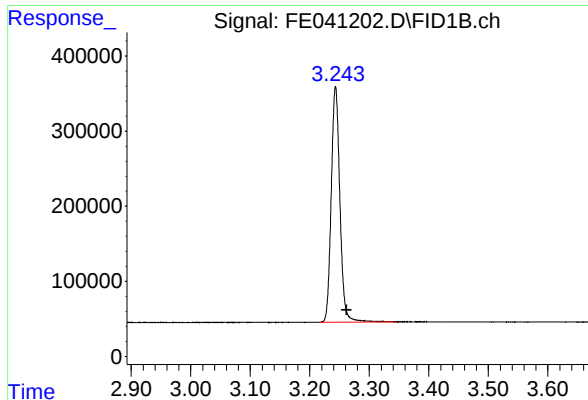
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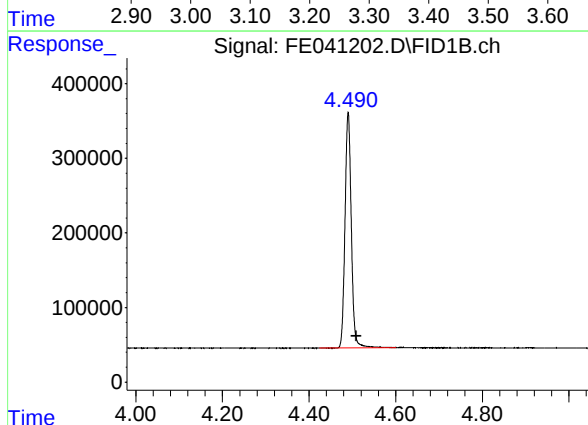
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.019 min
Response: 3174259
Conc: 18.29 ug/ml

Instrument :
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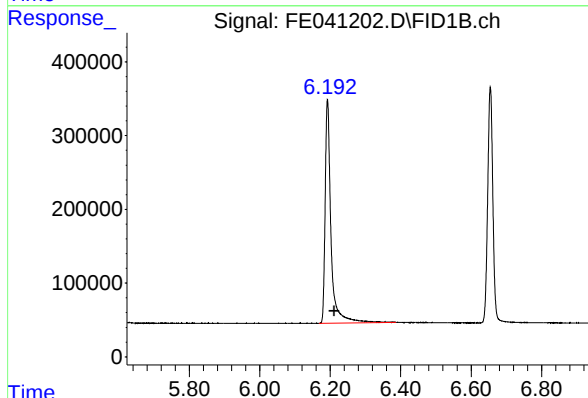
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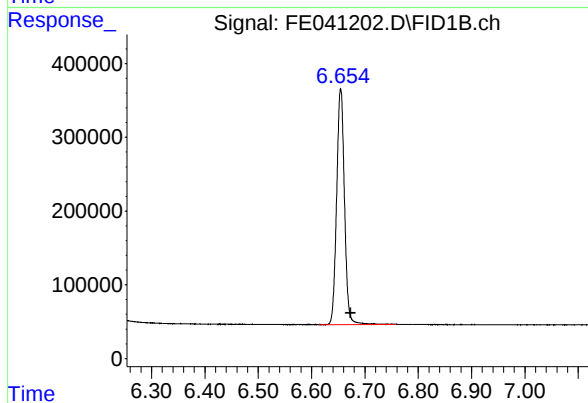
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: -0.018 min
Response: 3184137
Conc: 18.71 ug/ml



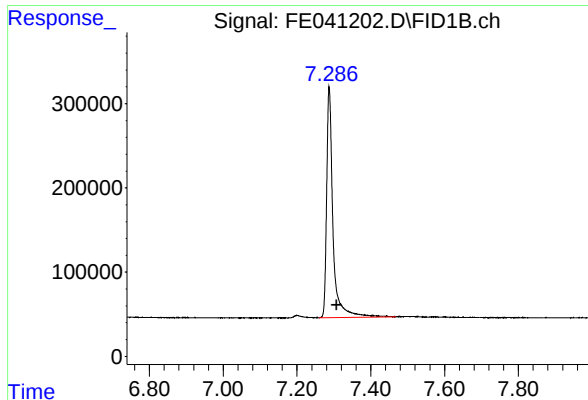
#3 A~Naphthalene (C11.7)

R.T.: 6.192 min
Delta R.T.: -0.020 min
Response: 3507256
Conc: 19.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.019 min
Response: 3263813
Conc: 18.82 ug/ml



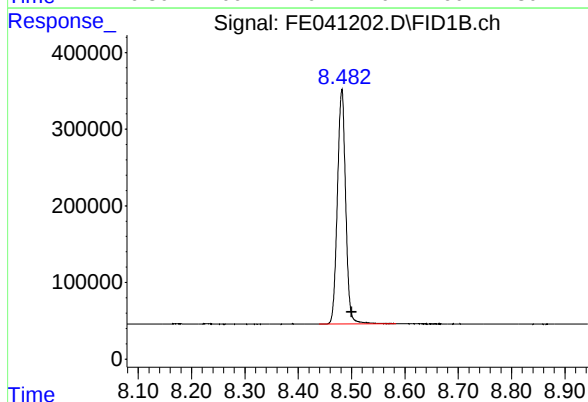
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.287 min
Delta R.T.: -0.020 min
Response: 3287207
Conc: 19.85 ug/ml

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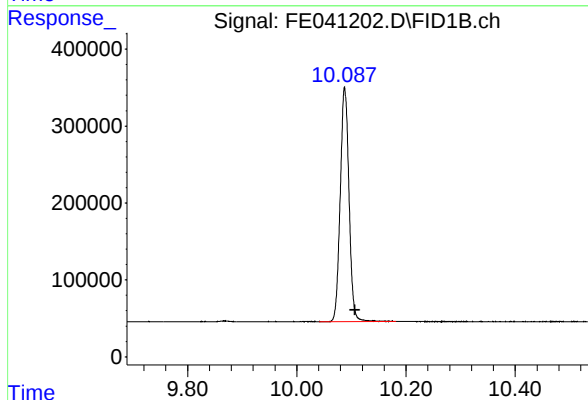
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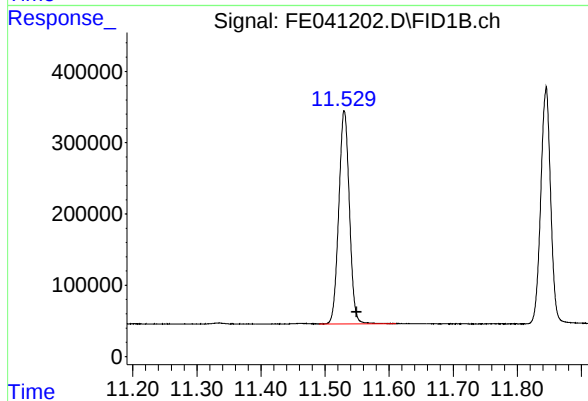
#6 n-Tetradecane (C14)

R.T.: 8.482 min
Delta R.T.: -0.018 min
Response: 3299792
Conc: 18.92 ug/ml



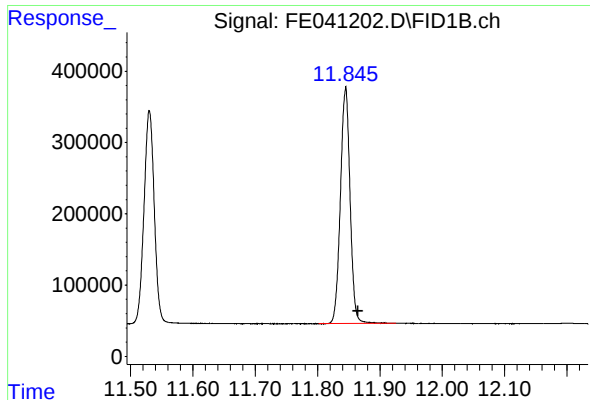
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: -0.019 min
Response: 3393626
Conc: 19.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.019 min
Response: 3428759
Conc: 19.20 ug/ml



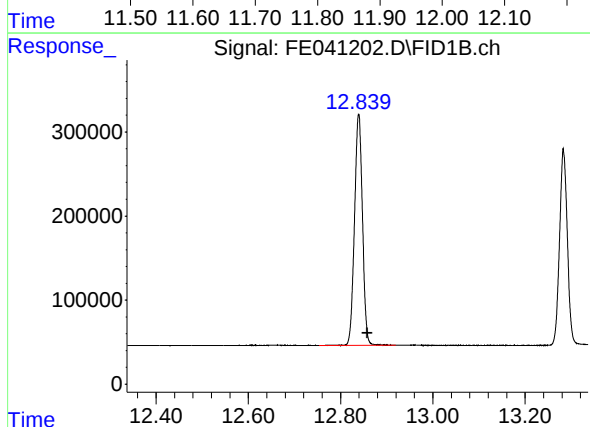
#9 ortho-Terphenyl (SURR)

R.T.: 11.845 min
Delta R.T.: -0.020 min
Response: 3563218
Conc: 18.96 ug/ml

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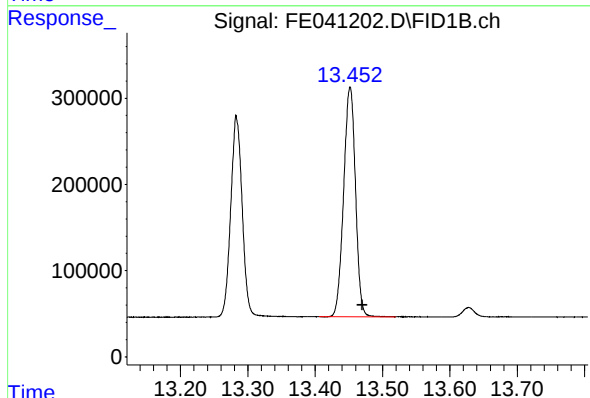
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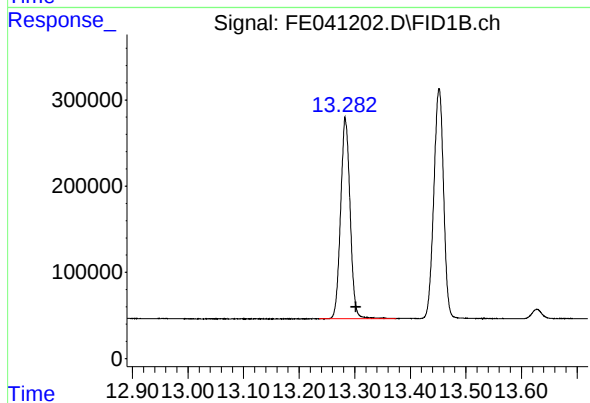
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.019 min
Response: 3297696
Conc: 19.33 ug/ml



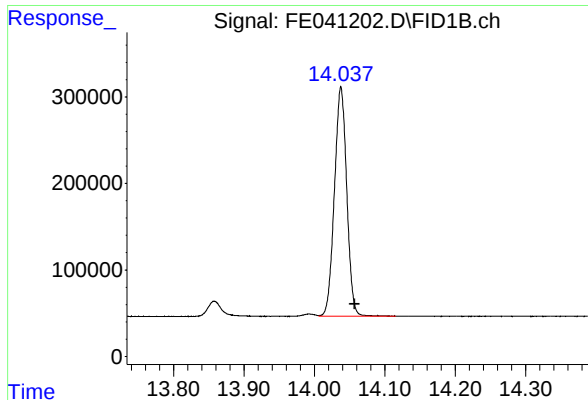
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.018 min
Response: 3253992
Conc: 19.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.019 min
Response: 2756747
Conc: 19.16 ug/ml



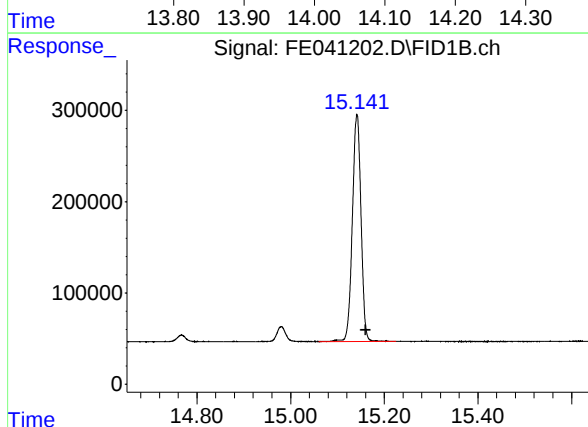
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.020 min
Response: 3221030
Conc: 19.46 ug/ml

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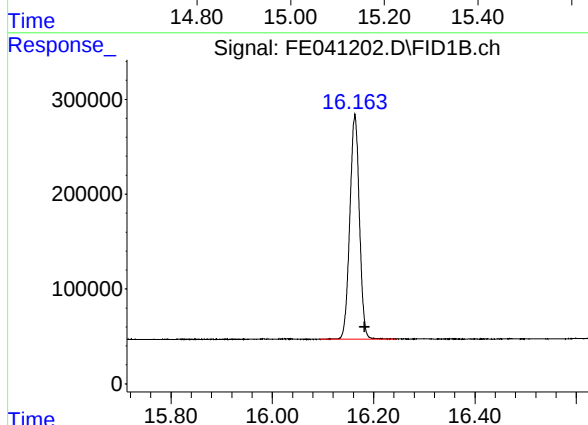
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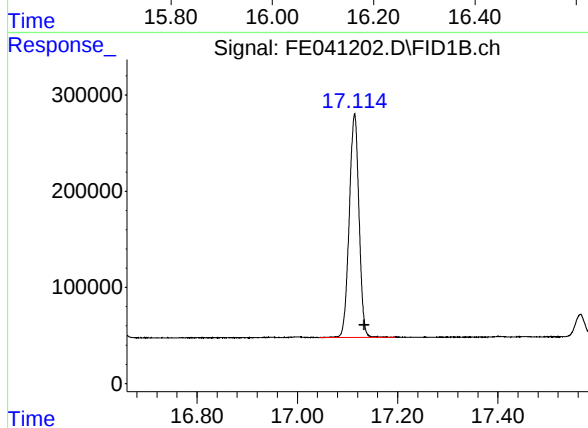
#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.019 min
Response: 3198722
Conc: 19.77 ug/ml



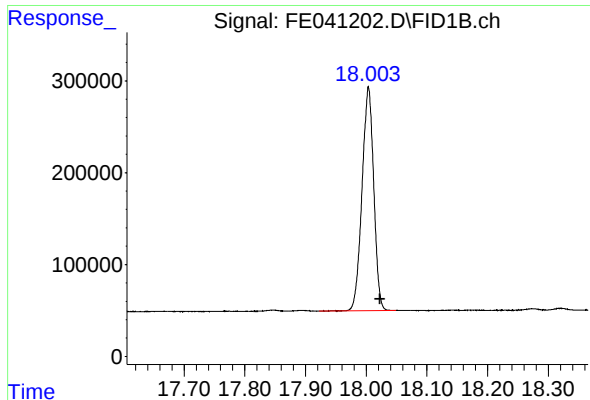
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.019 min
Response: 3105952
Conc: 20.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.019 min
Response: 3141228
Conc: 20.51 ug/ml



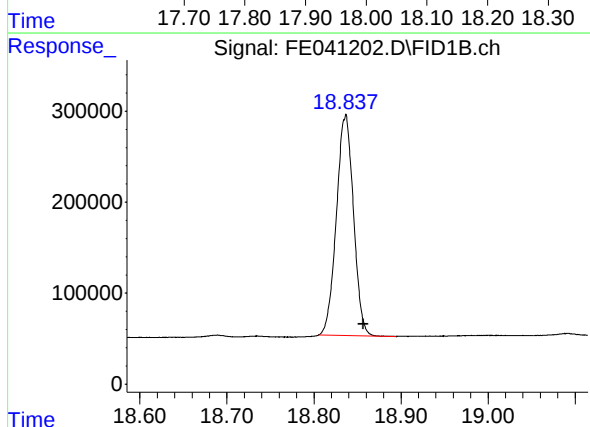
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.018 min
Response: 3260788
Conc: 21.33 ug/ml

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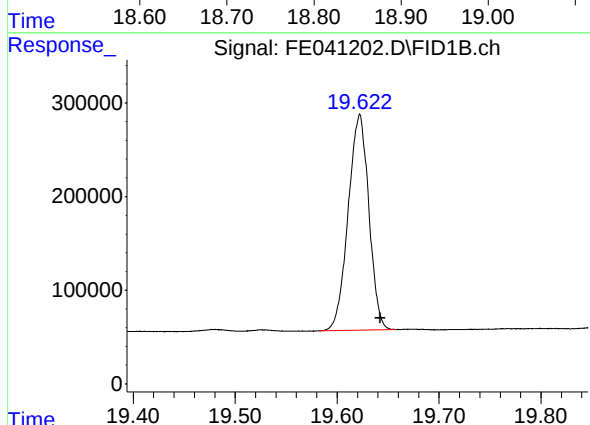
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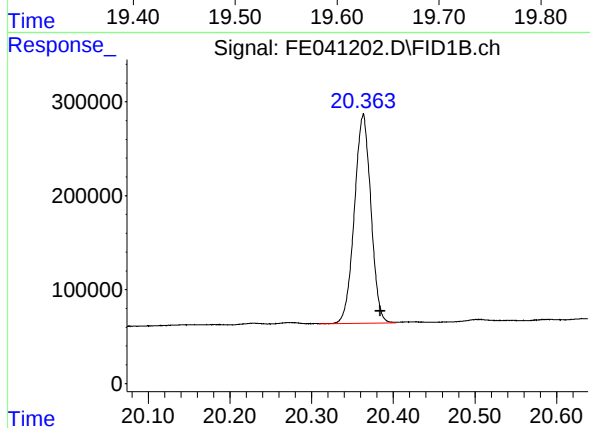
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: -0.020 min
Response: 3304446
Conc: 21.16 ug/ml



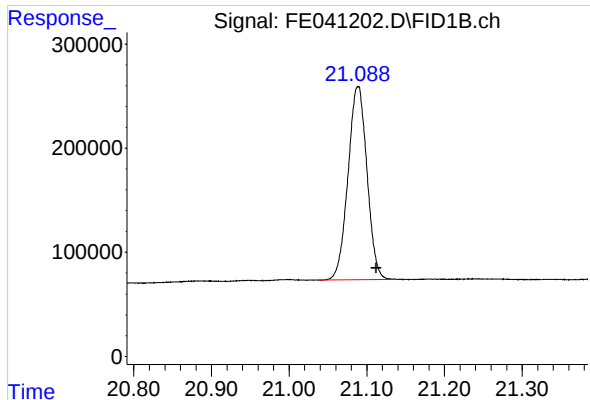
#19 n-Tetratriacontane (C34)

R.T.: 19.622 min
Delta R.T.: -0.020 min
Response: 3253548
Conc: 20.99 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.363 min
Delta R.T.: -0.021 min
Response: 3118993
Conc: 20.53 ug/ml



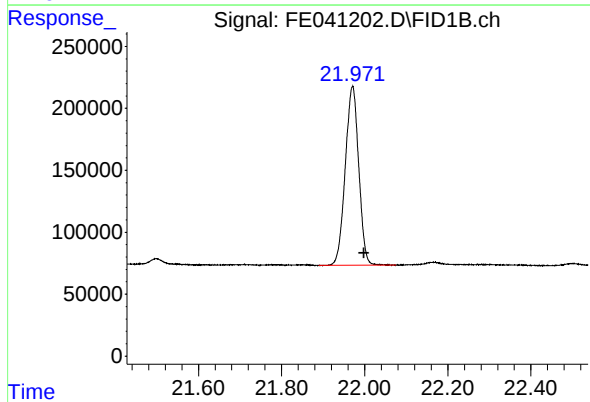
#21 n-Octatriacontane (C38)

R.T.: 21.088 min
Delta R.T.: -0.024 min
Response: 3154029
Conc: 20.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.027 min
Response: 3248407
Conc: 20.35 ug/ml