

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091624AL\
 Data File : FF014526.D
 Signal(s) : FID2B.ch
 Acq On : 16 Sep 2024 12:11
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :Ankita Jodhani 09/17/2024

Integration File: autoint1.e
 Quant Time: Sep 17 06:22:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 091124.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 08:07:41 2024
 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)	11.798	2982330	20.885 ug/ml
Spiked Amount 50.000		Recovery =	41.77%
12) S 1-chlorooctadecane (S...	13.240	2227096	20.936 ug/ml
Spiked Amount 50.000		Recovery =	41.87%
Target Compounds			
1) T n-Nonane (C9)	3.200	2556250	21.549 ug/ml
2) T n-Decane (C10)	4.450	2591701	21.629 ug/ml
3) T A~Naphthalene (C11.7)	6.144	2624815	21.248 ug/ml
4) T n-Dodecane (C12)	6.615	2579434	20.929 ug/ml
5) T A~2-methylnaphthalene...	7.239	2422430	21.686 ug/ml
6) T n-Tetradecane (C14)	8.441	2533675	21.201 ug/ml
7) T n-Hexadecane (C16)	10.046	2592918	21.268 ug/ml
8) T n-Octadecane (C18)	11.489	2699677	21.135 ug/ml
10) T n-Eicosane (C20)	12.798	2656152	21.004 ug/ml
11) T n-Heneicosane (C21)	13.409	2632888	21.062 ug/ml
13) T n-Docosane (C22)	13.995	2648465	21.438 ug/ml
14) T n-Tetracosane (C24)	15.098	2655908	21.715 ug/ml
15) T n-Hexacosane (C26)	16.116	2629527	21.964 ug/ml
16) T n-Octacosane (C28)	17.066	2580344	22.226 ug/ml
17) T n-Tricontane (C30)	17.952	2600866	22.198 ug/ml
18) T n-Dotriacontane (C32)	18.781	2487076	22.388 ug/ml
19) T n-Tetratriacontane (C34)	19.564	2132222	22.194 ug/ml
20) T n-Hexatriacontane (C36)	20.303	1785228	21.987 ug/ml
21) T n-Octatriacontane (C38)	21.022	1492561	20.471 ug/ml
22) T n-Tetracontane (C40)	21.894	1241205	19.723 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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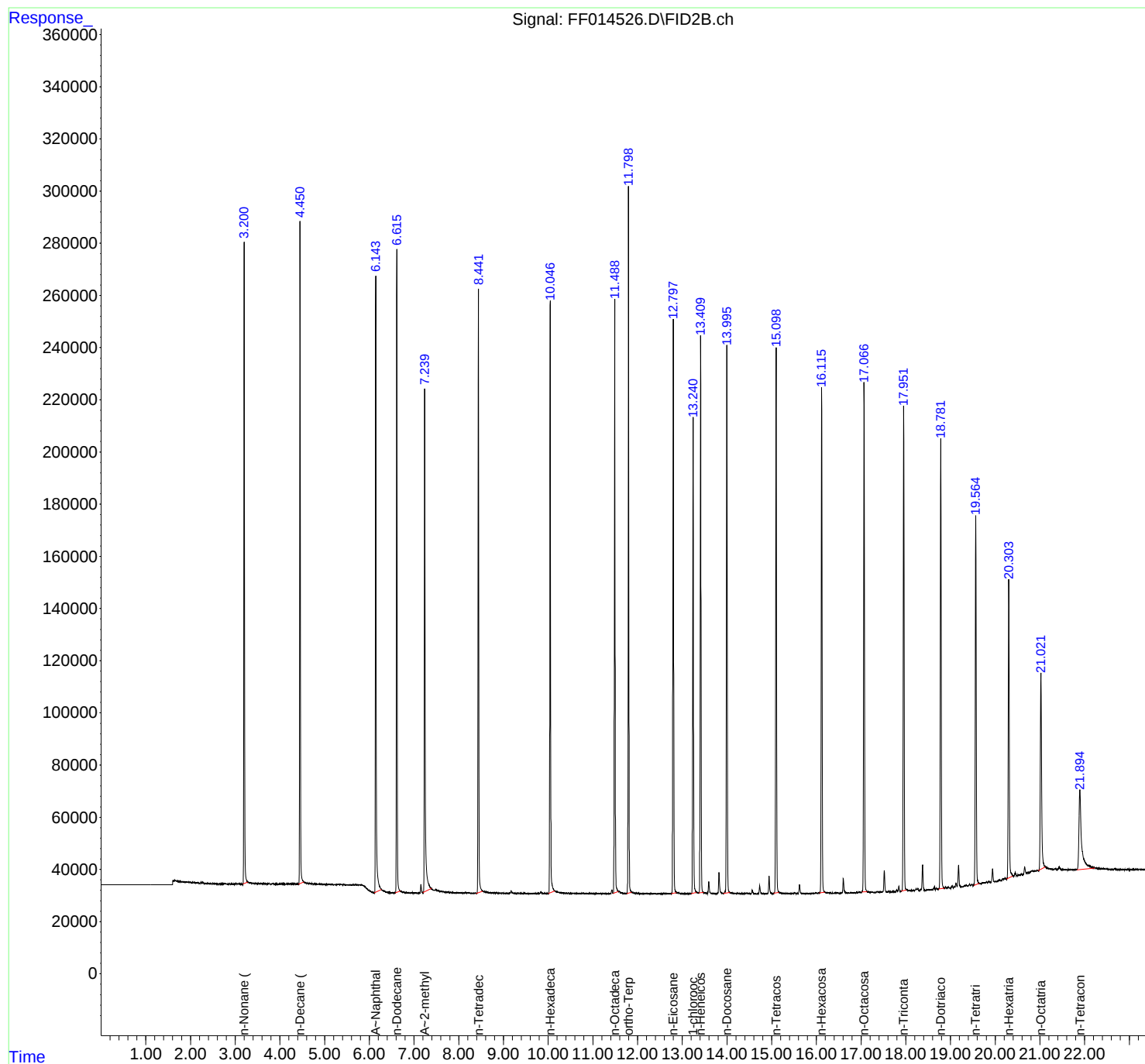
Instrument :
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20 PPM ALIPHATIC HC STD

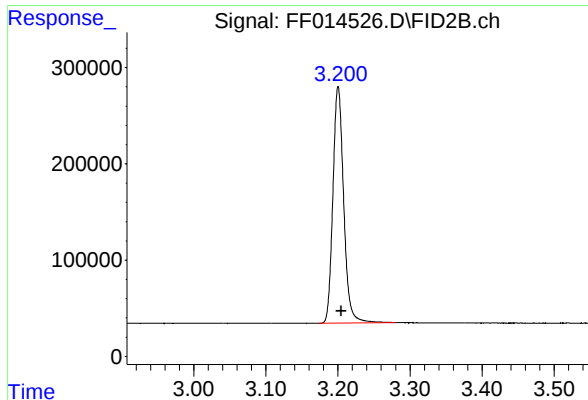
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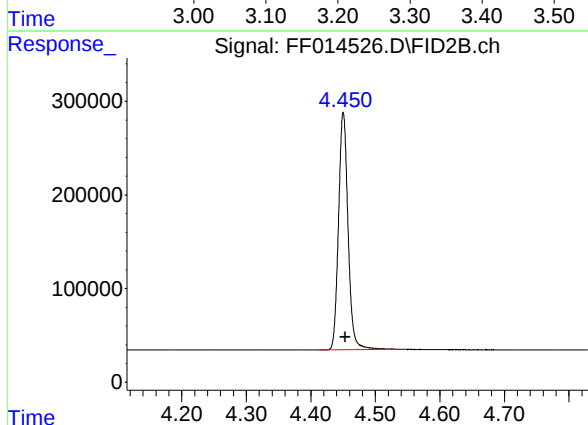
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.005 min
Response: 2556250
Conc: 21.55 ug/ml

Instrument :
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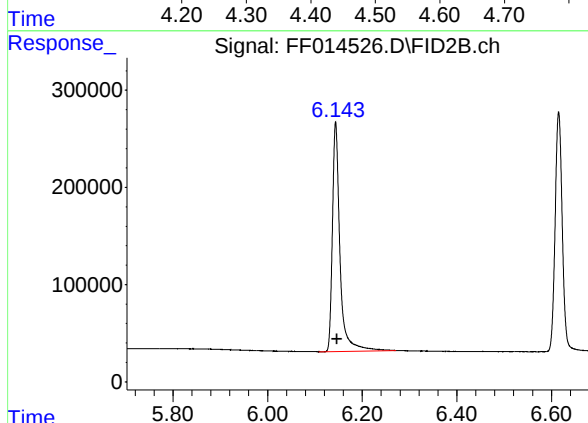
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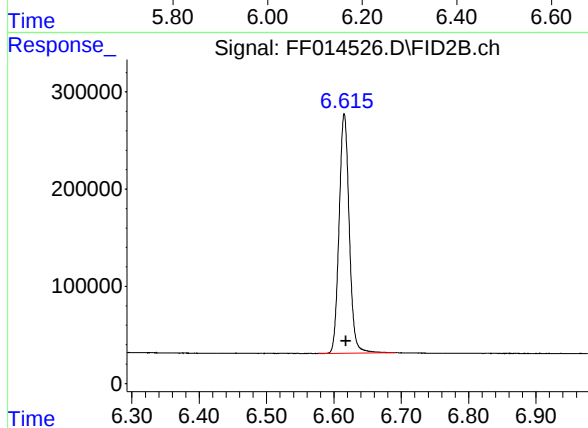
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.003 min
Response: 2591701
Conc: 21.63 ug/ml



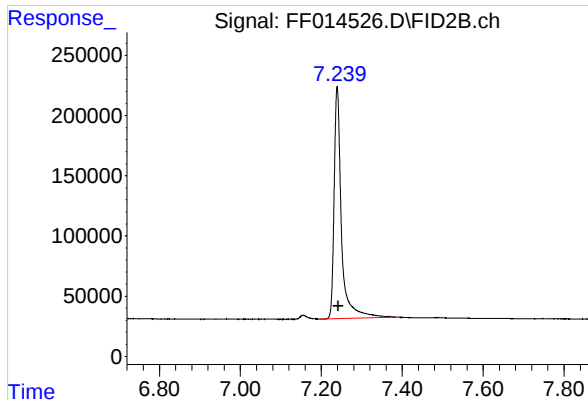
#3 A~Naphthalene (C11.7)

R.T.: 6.144 min
Delta R.T.: -0.003 min
Response: 2624815
Conc: 21.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.615 min
Delta R.T.: -0.002 min
Response: 2579434
Conc: 20.93 ug/ml



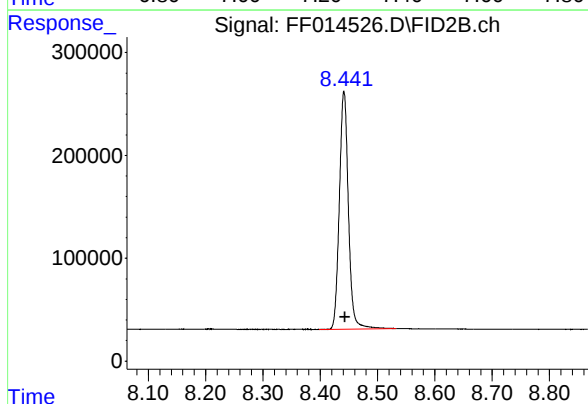
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.239 min
Delta R.T.: -0.003 min
Response: 2422430
Conc: 21.69 ug/ml

Instrument :
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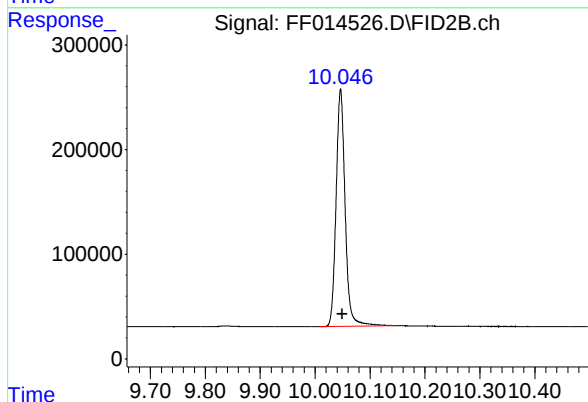
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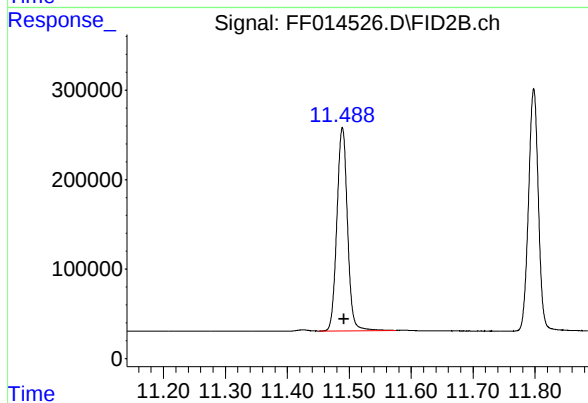
#6 n-Tetradecane (C14)

R.T.: 8.441 min
Delta R.T.: -0.002 min
Response: 2533675
Conc: 21.20 ug/ml



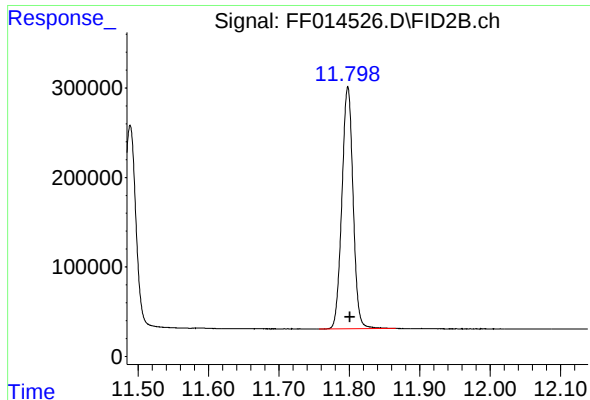
#7 n-Hexadecane (C16)

R.T.: 10.046 min
Delta R.T.: -0.003 min
Response: 2592918
Conc: 21.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.489 min
Delta R.T.: -0.003 min
Response: 2699677
Conc: 21.13 ug/ml



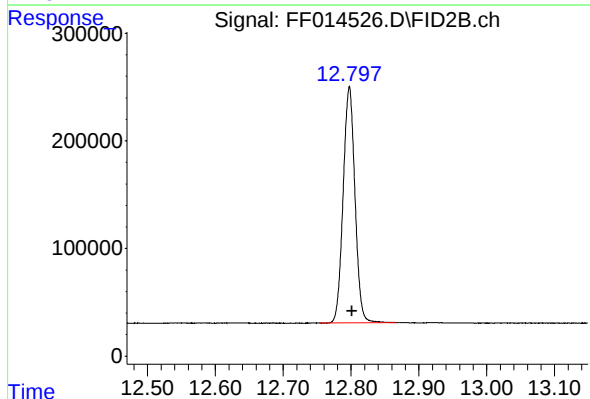
#9 ortho-Terphenyl (SURR)

R.T.: 11.798 min
Delta R.T.: -0.003 min
Response: 2982330
Conc: 20.89 ug/ml

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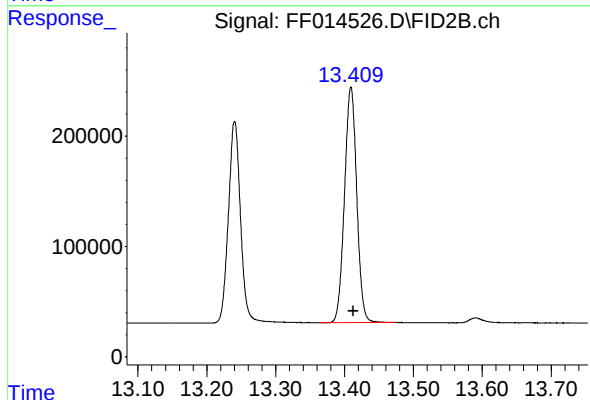
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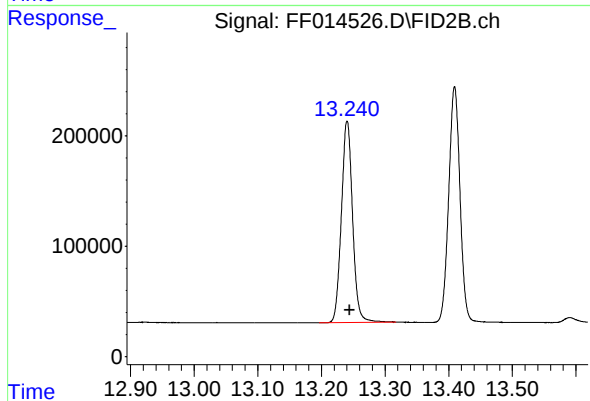
#10 n-Eicosane (C20)

R.T.: 12.798 min
Delta R.T.: -0.004 min
Response: 2656152
Conc: 21.00 ug/ml



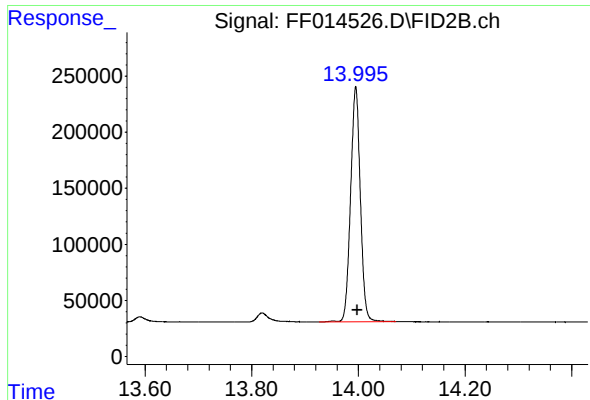
#11 n-Heneicosane (C21)

R.T.: 13.409 min
Delta R.T.: -0.003 min
Response: 2632888
Conc: 21.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.240 min
Delta R.T.: -0.004 min
Response: 2227096
Conc: 20.94 ug/ml



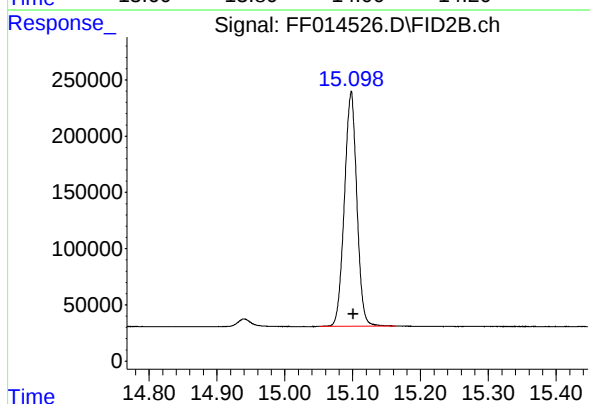
#13 n-Docosane (C22)

R.T.: 13.995 min
Delta R.T.: -0.003 min
Response: 2648465
Conc: 21.44 ug/ml

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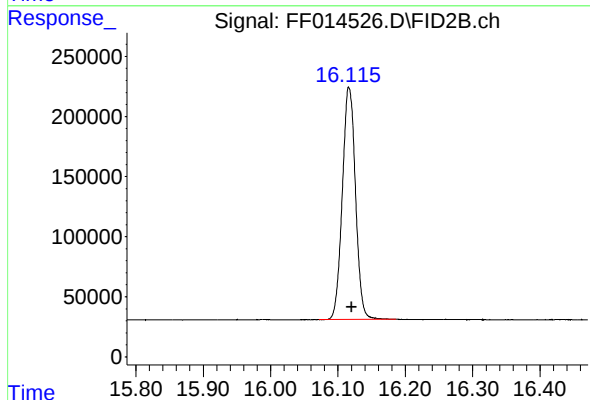
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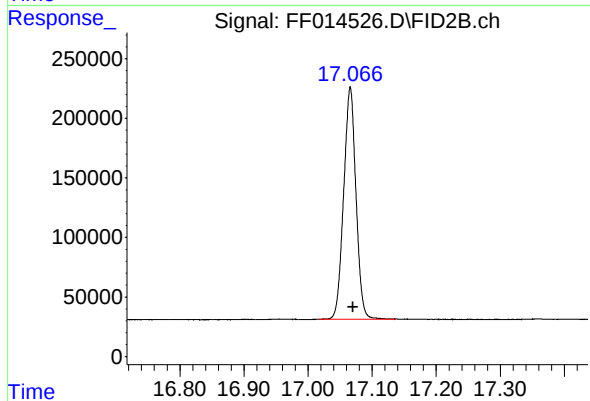
#14 n-Tetracosane (C24)

R.T.: 15.098 min
Delta R.T.: -0.003 min
Response: 2655908
Conc: 21.71 ug/ml



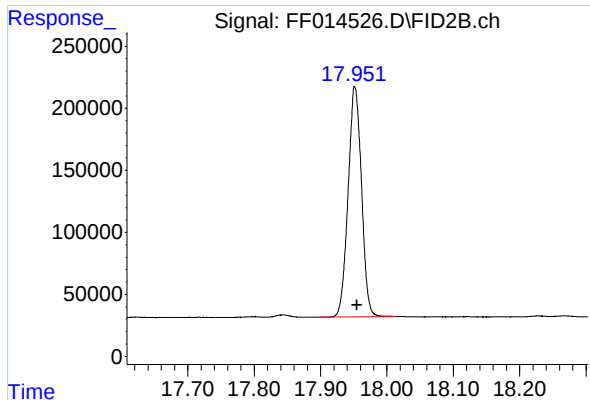
#15 n-Hexacosane (C26)

R.T.: 16.116 min
Delta R.T.: -0.004 min
Response: 2629527
Conc: 21.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.066 min
Delta R.T.: -0.004 min
Response: 2580344
Conc: 22.23 ug/ml



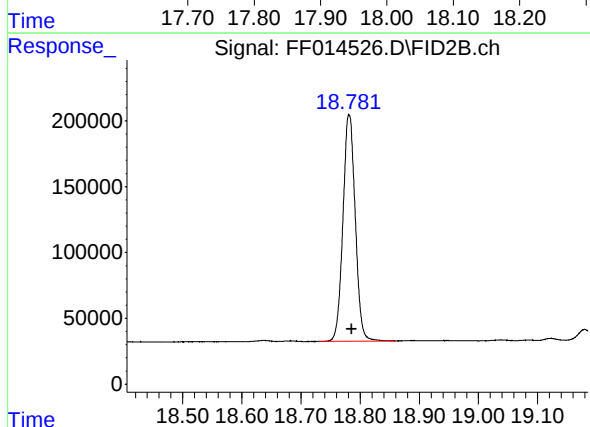
#17 n-Tricontane (C30)

R.T.: 17.952 min
Delta R.T.: -0.003 min
Response: 2600866
Conc: 22.20 ug/ml

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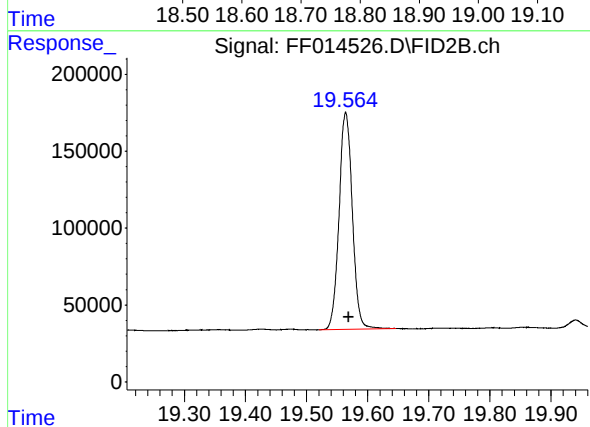
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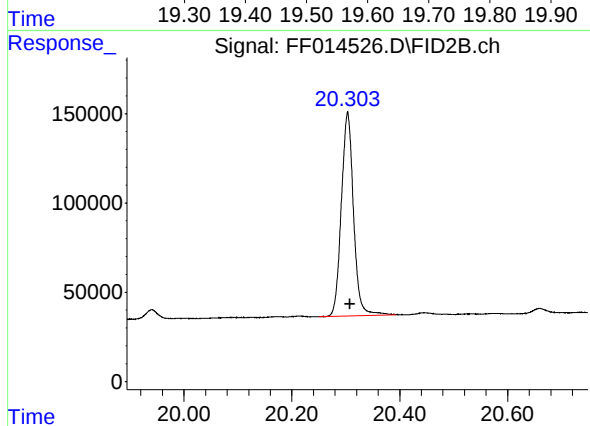
#18 n-Dotriacontane (C32)

R.T.: 18.781 min
Delta R.T.: -0.005 min
Response: 2487076
Conc: 22.39 ug/ml



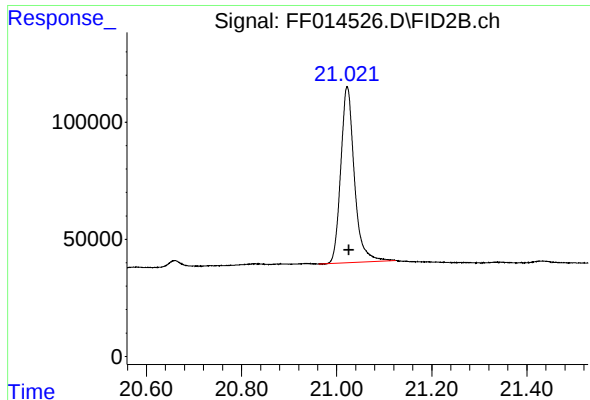
#19 n-Tetratriacontane (C34)

R.T.: 19.564 min
Delta R.T.: -0.005 min
Response: 2132222
Conc: 22.19 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.303 min
Delta R.T.: -0.004 min
Response: 1785228
Conc: 21.99 ug/ml



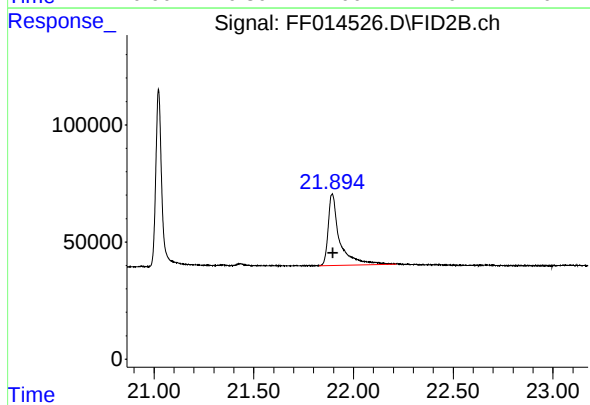
#21 n-Octatriacontane (C38)

R.T.: 21.022 min
Delta R.T.: -0.003 min
Response: 1492561
Conc: 20.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.894 min
Delta R.T.: -0.004 min
Response: 1241205
Conc: 19.72 ug/ml m