

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091123AL\
 Data File : FE044206.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2023 02:02
 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 09/12/2023
 Supervised By :Ankita Jodhani 09/12/2023

Integration File: autoint1.e
 Quant Time: Sep 12 02:34:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.932	4162542	21.972 ug/ml
Spiked Amount 50.000		Recovery =	43.94%
12) S 1-chlorooctadecane (S...	13.370	3137402	22.711 ug/ml
Spiked Amount 50.000		Recovery =	45.42%
Target Compounds			
1) T n-Nonane (C9)	3.320	3491707	21.404 ug/ml
2) T n-Decane (C10)	4.572	3550794	21.363 ug/ml
3) T A~Naphthalene (C11.7)	6.272	3844180	21.467 ug/ml
4) T n-Dodecane (C12)	6.736	3601042	21.412 ug/ml
5) T A~2-methylnaphthalene...	7.368	3750315	21.876 ug/ml
6) T n-Tetradecane (C14)	8.562	3577595	21.333 ug/ml
7) T n-Hexadecane (C16)	10.171	3626619	20.983 ug/ml
8) T n-Octadecane (C18)	11.616	3619586	20.794 ug/ml
10) T n-Eicosane (C20)	12.925	3492890	21.116 ug/ml
11) T n-Heneicosane (C21)	13.538	3429219	21.200 ug/ml
13) T n-Docosane (C22)	14.125	3376101	21.132 ug/ml
14) T n-Tetracosane (C24)	15.228	3277816	20.961 ug/ml
15) T n-Hexacosane (C26)	16.251	3158463	20.951 ug/ml
16) T n-Octacosane (C28)	17.201	3028151	20.984 ug/ml
17) T n-Tricontane (C30)	18.090	3024657	20.819 ug/ml
18) T n-Dotriacontane (C32)	18.923	2995568	21.029 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2938586	20.999 ug/ml
20) T n-Hexatriacontane (C36)	20.450	2914373	21.258 ug/mlm
21) T n-Octatriacontane (C38)	21.190	2988756	21.530 ug/mlm
22) T n-Tetracontane (C40)	22.113	3248516	23.495 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
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Misc :
ALS Vial : 2 Sample Multiplier: 1

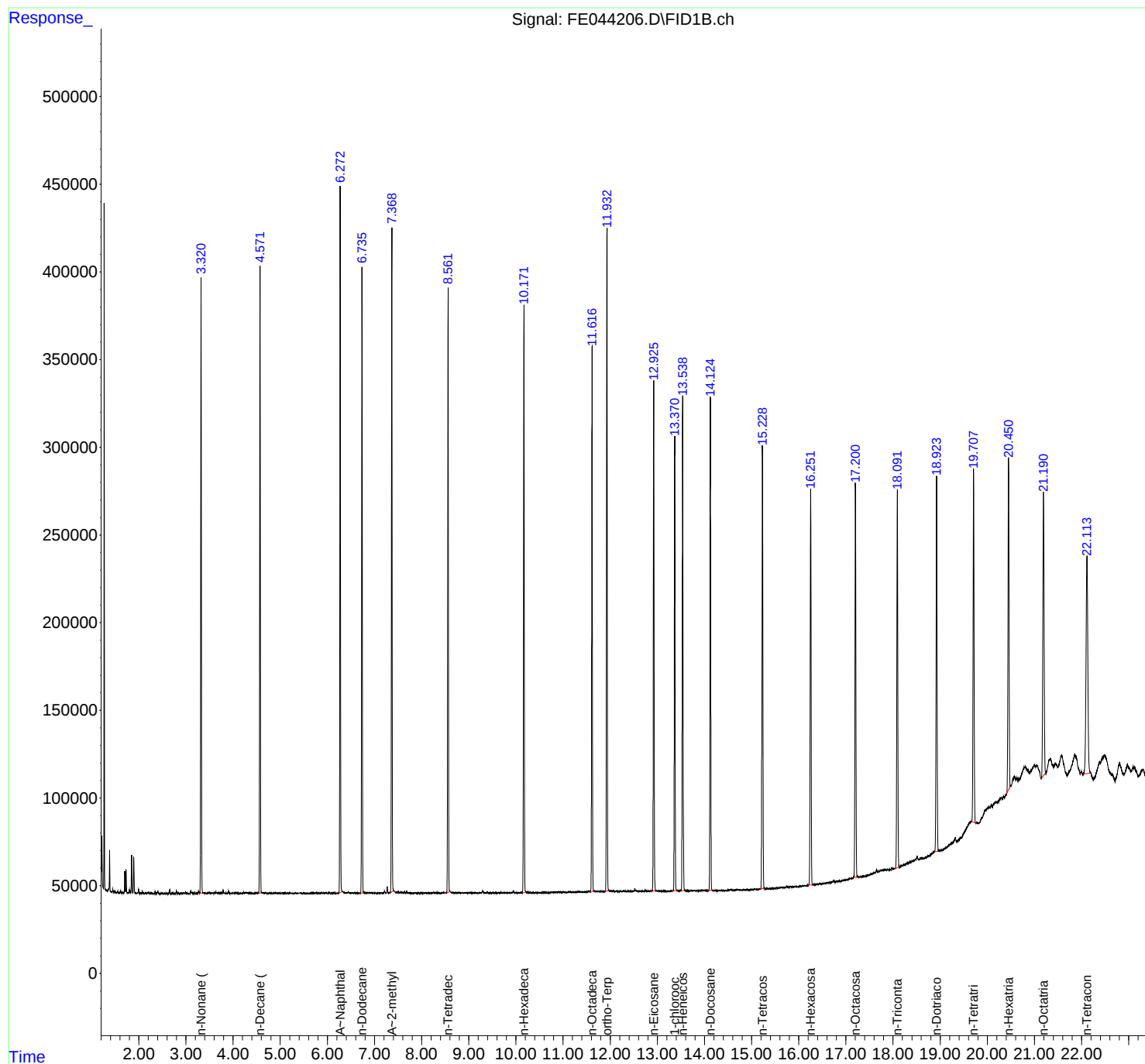
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

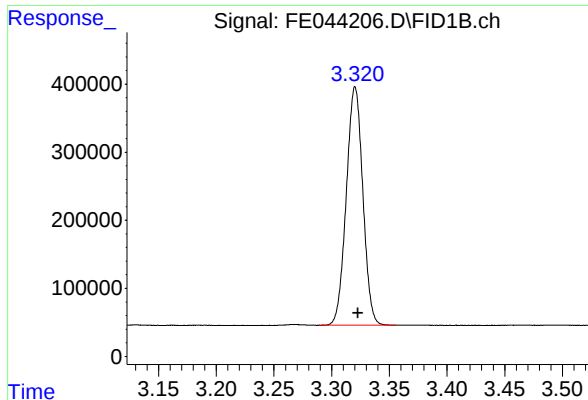
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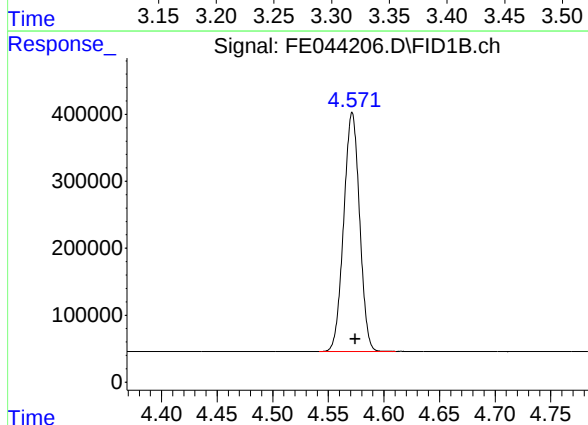
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.003 min
Response: 3491707
Conc: 21.40 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

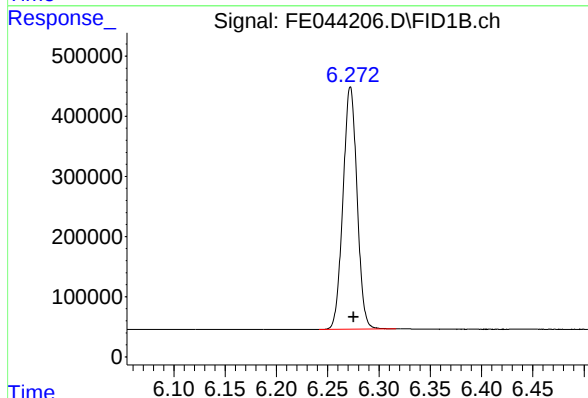
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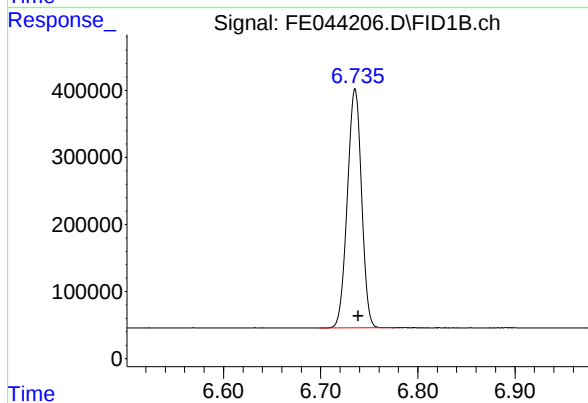
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.003 min
Response: 3550794
Conc: 21.36 ug/ml



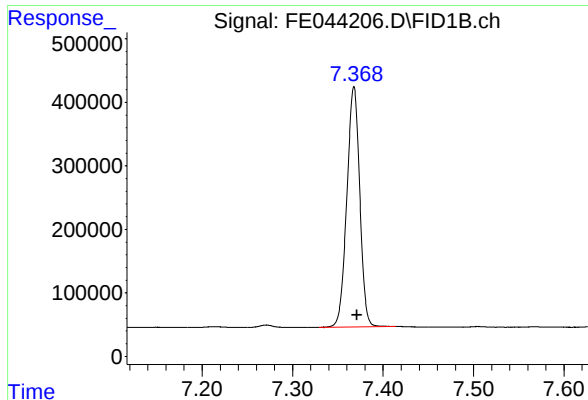
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 3844180
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: -0.003 min
Response: 3601042
Conc: 21.41 ug/ml



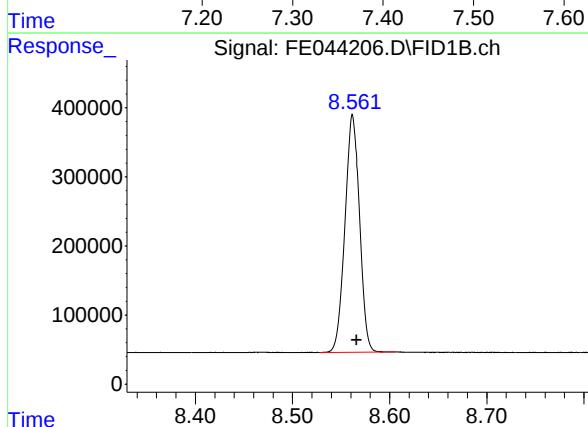
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: -0.003 min
Response: 3750315
Conc: 21.88 ug/ml

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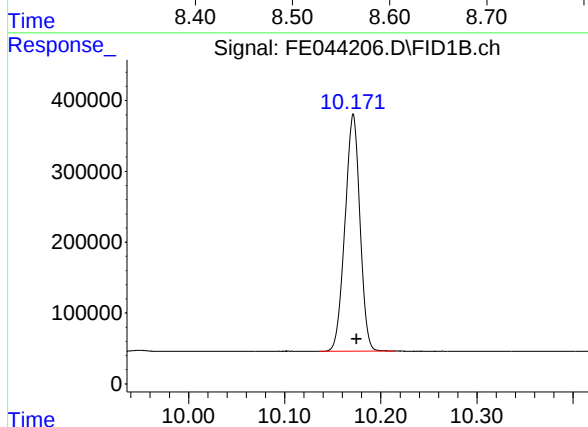
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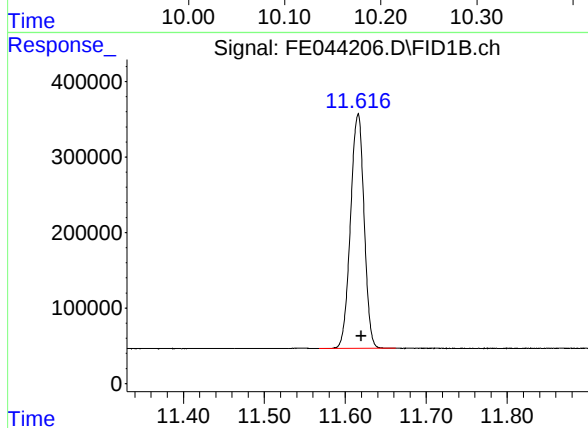
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.004 min
Response: 3577595
Conc: 21.33 ug/ml



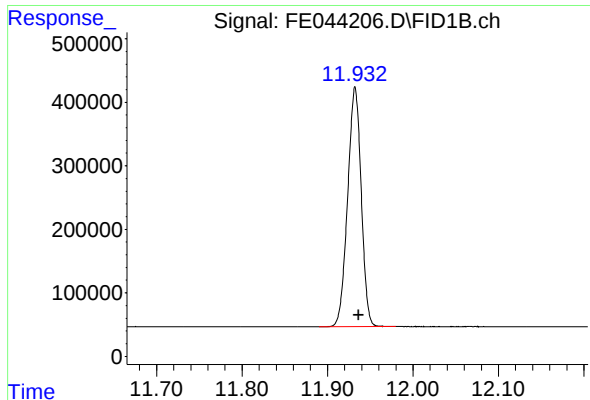
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: -0.003 min
Response: 3626619
Conc: 20.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.004 min
Response: 3619586
Conc: 20.79 ug/ml



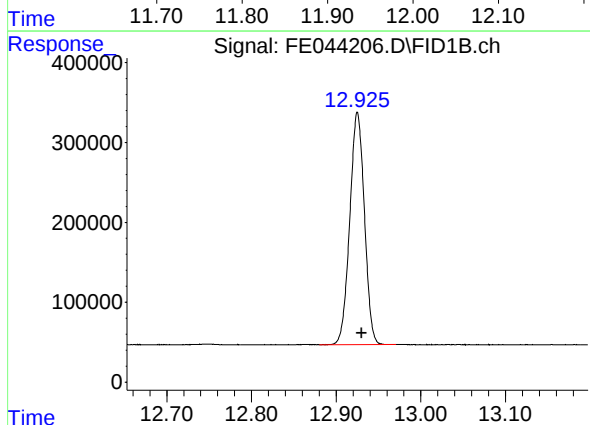
#9 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.004 min
Response: 4162542
Conc: 21.97 ug/ml

Instrument :
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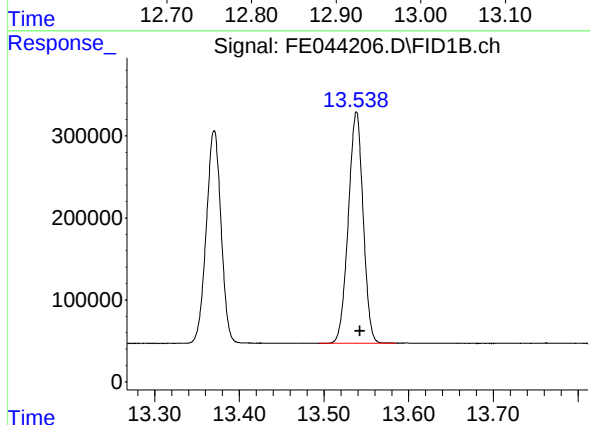
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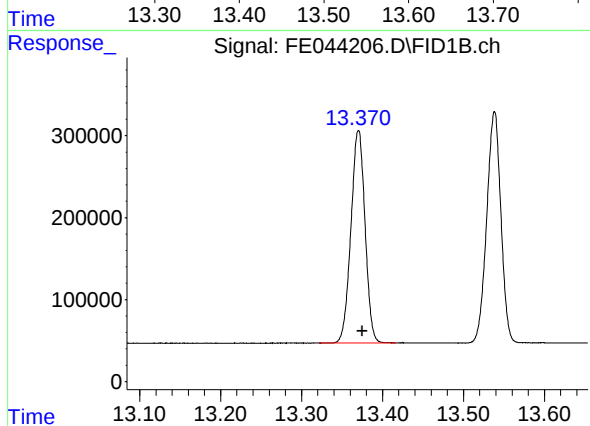
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: -0.005 min
Response: 3492890
Conc: 21.12 ug/ml



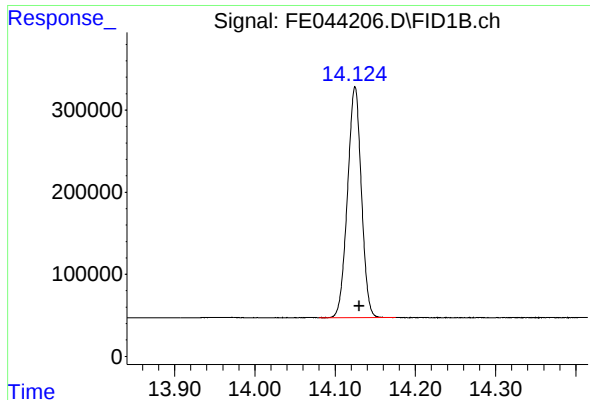
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.004 min
Response: 3429219
Conc: 21.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: -0.005 min
Response: 3137402
Conc: 22.71 ug/ml



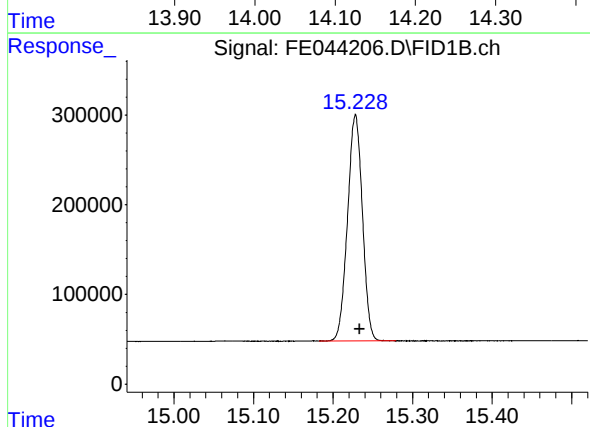
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.005 min
Response: 3376101
Conc: 21.13 ug/ml

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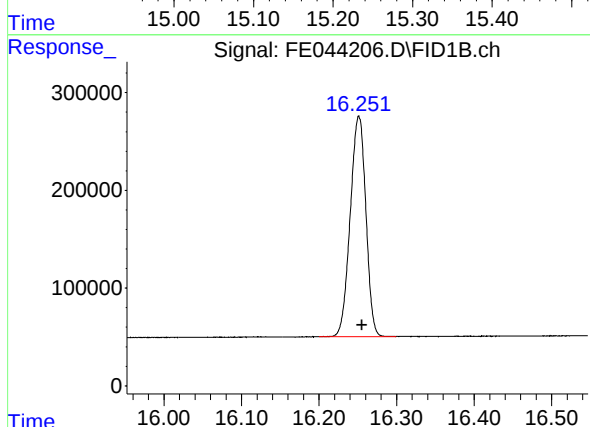
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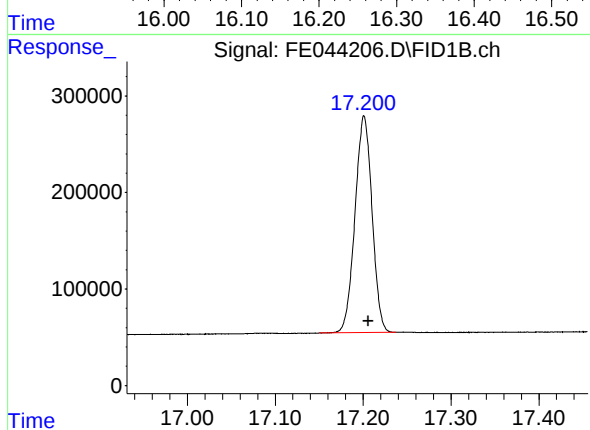
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: -0.006 min
Response: 3277816
Conc: 20.96 ug/ml



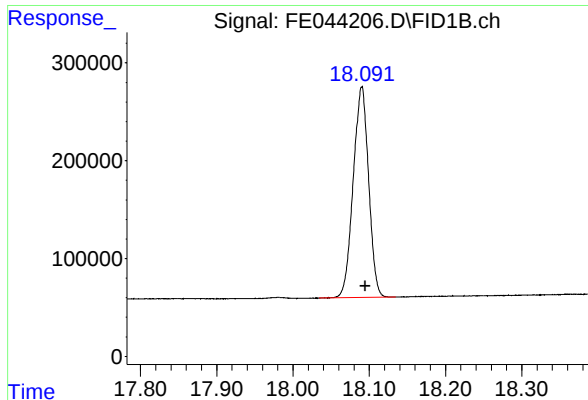
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.004 min
Response: 3158463
Conc: 20.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: -0.005 min
Response: 3028151
Conc: 20.98 ug/ml



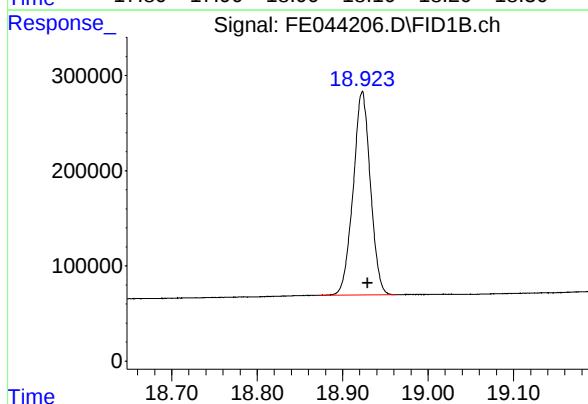
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.005 min
Response: 3024657
Conc: 20.82 ug/ml

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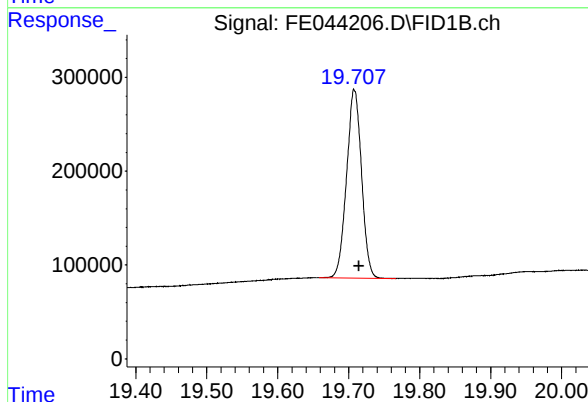
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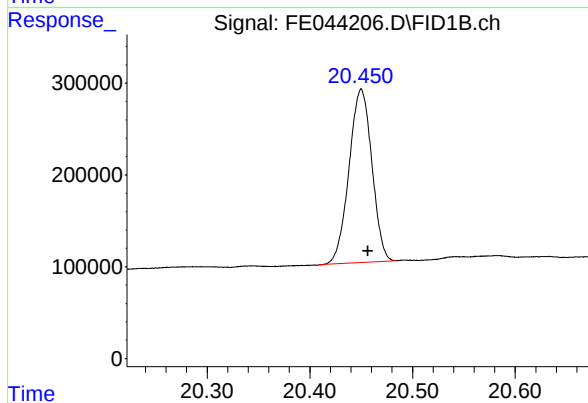
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.007 min
Response: 2995568
Conc: 21.03 ug/ml



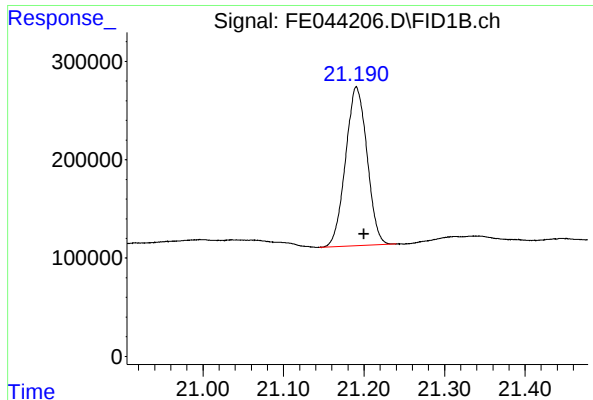
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.007 min
Response: 2938586
Conc: 21.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.007 min
Response: 2914373
Conc: 21.26 ug/ml m



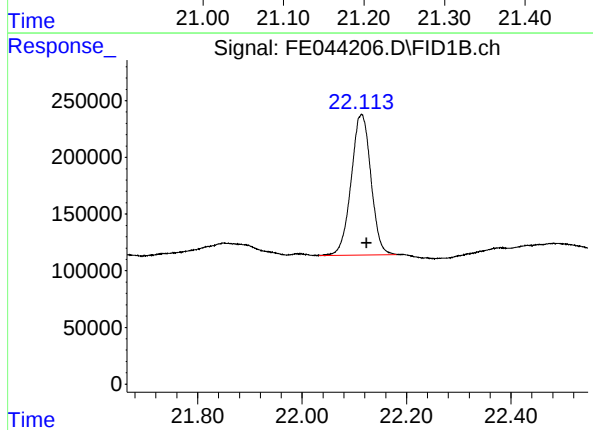
#21 n-Octatriacontane (C38)

R.T.: 21.190 min
Delta R.T.: -0.009 min
Response: 2988756
Conc: 21.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.113 min
Delta R.T.: -0.010 min
Response: 3248516
Conc: 23.50 ug/ml m