

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111623AL\
 Data File : FE045391.D
 Signal(s) : FID1B.ch
 Acq On : 16 Nov 2023 14:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/17/2023
 Supervised By :Ankita Jodhani 11/17/2023

Integration File: autoint1.e
 Quant Time: Nov 16 23:22:16 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)	11.878	3560029	18.646 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
12) S 1-chlorooctadecane (S...	13.320	2537066	18.419 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
Target Compounds			
1) T n-Nonane (C9)	3.258	3149386	19.064 ug/ml
2) T n-Decane (C10)	4.509	3182974	18.982 ug/ml
3) T A~Naphthalene (C11.7)	6.210	3373798	18.901 ug/ml
4) T n-Dodecane (C12)	6.677	3205992	18.983 ug/ml
5) T A~2-methylnaphthalene...	7.307	3224440	18.778 ug/ml
6) T n-Tetradecane (C14)	8.505	3136694	18.820 ug/ml
7) T n-Hexadecane (C16)	10.118	3135986	18.644 ug/ml
8) T n-Octadecane (C18)	11.564	3134258	18.726 ug/ml
10) T n-Eicosane (C20)	12.876	2962549	18.702 ug/ml
11) T n-Heneicosane (C21)	13.490	2894824	18.827 ug/ml
13) T n-Docosane (C22)	14.077	2825990	18.652 ug/ml
14) T n-Tetracosane (C24)	15.182	2750475	18.570 ug/ml
15) T n-Hexacosane (C26)	16.207	2699359	18.520 ug/ml
16) T n-Octacosane (C28)	17.158	2686144	18.382 ug/ml
17) T n-Tricontane (C30)	18.049	2719647	17.904 ug/ml
18) T n-Dotriacontane (C32)	18.883	2806019	17.962 ug/ml
19) T n-Tetratriacontane (C34)	19.669	2843662	18.213 ug/ml
20) T n-Hexatriacontane (C36)	20.412	3088176	19.025 ug/ml
21) T n-Octatriacontane (C38)	21.148	3067855	18.465 ug/mlm
22) T n-Tetracontane (C40)	22.062	3101896	18.160 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

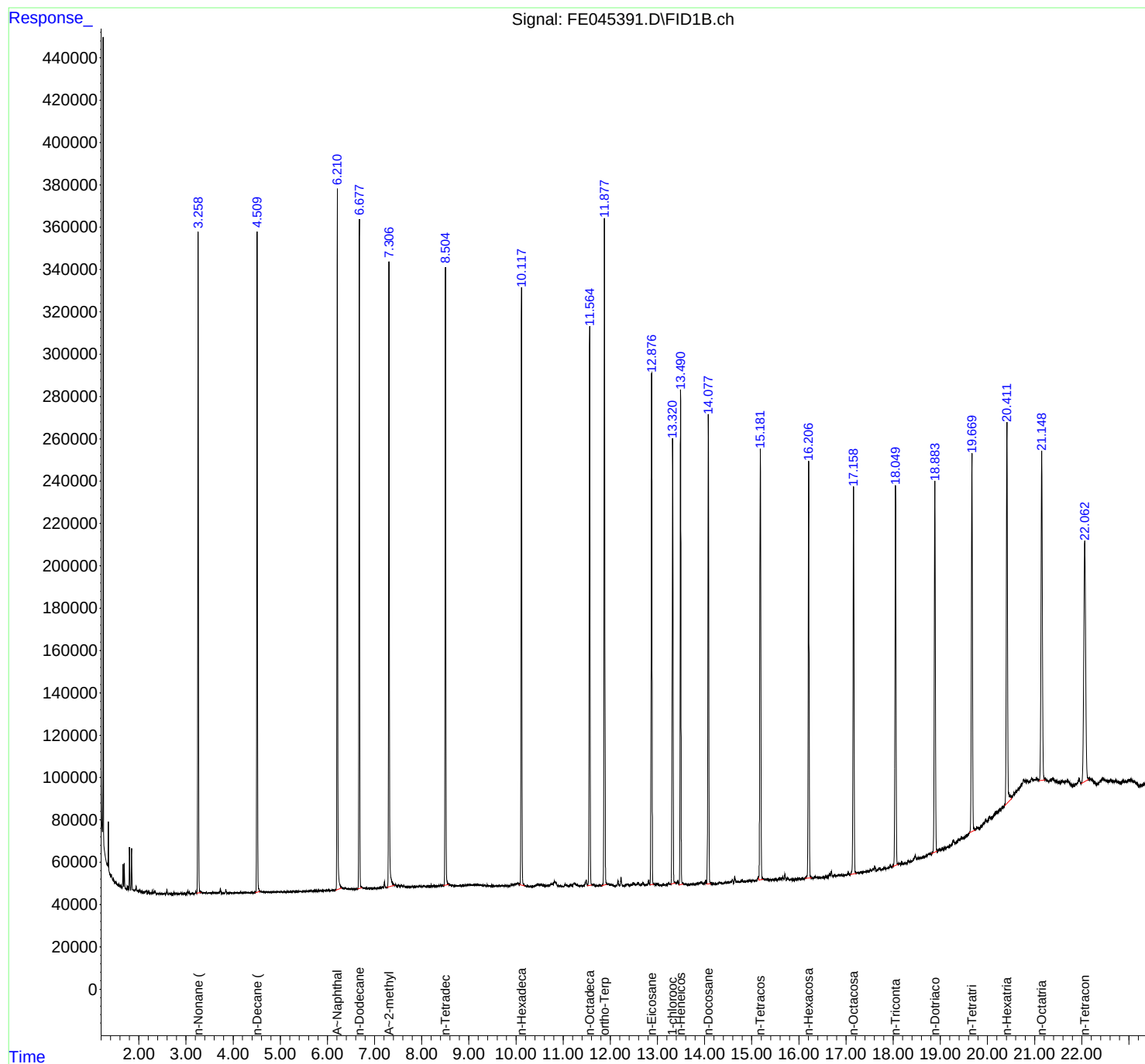
Instrument :
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20 PPM ALIPHATIC HC STD

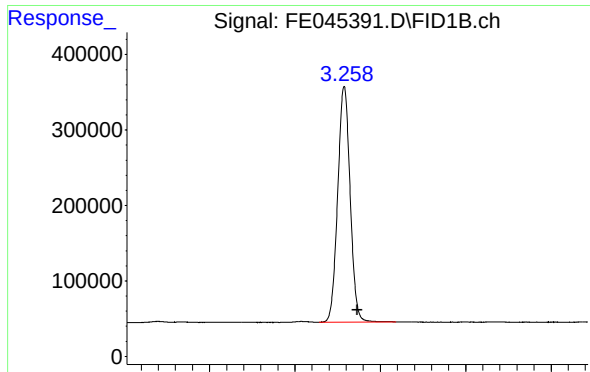
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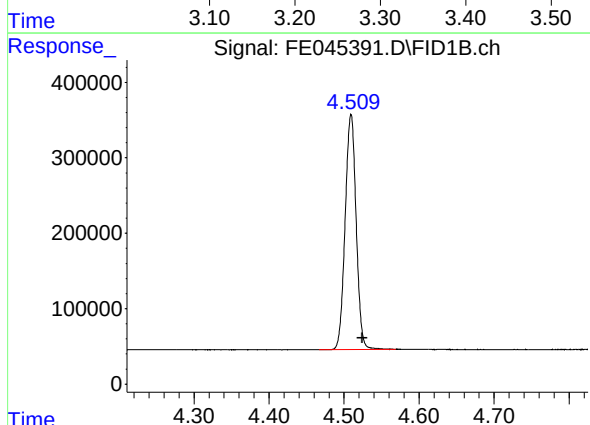
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.015 min
Response: 3149386
Conc: 19.06 ug/ml

Instrument :
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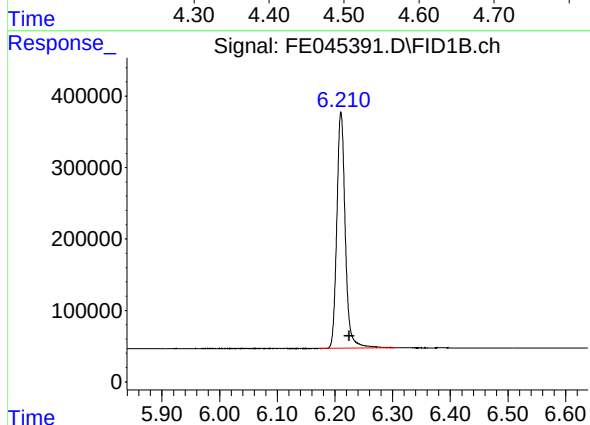
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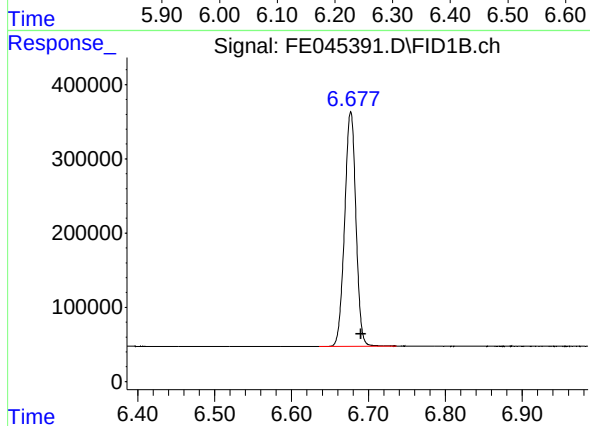
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.015 min
Response: 3182974
Conc: 18.98 ug/ml



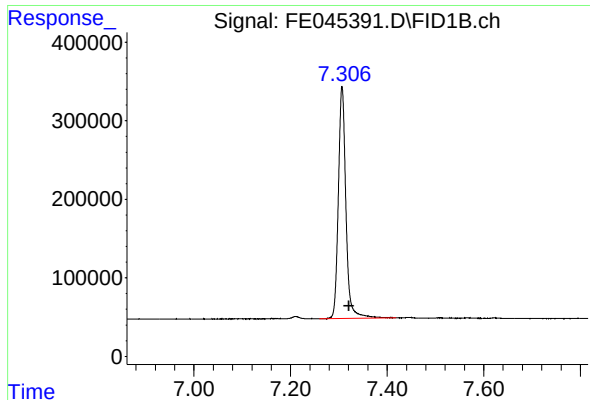
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.014 min
Response: 3373798
Conc: 18.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.013 min
Response: 3205992
Conc: 18.98 ug/ml



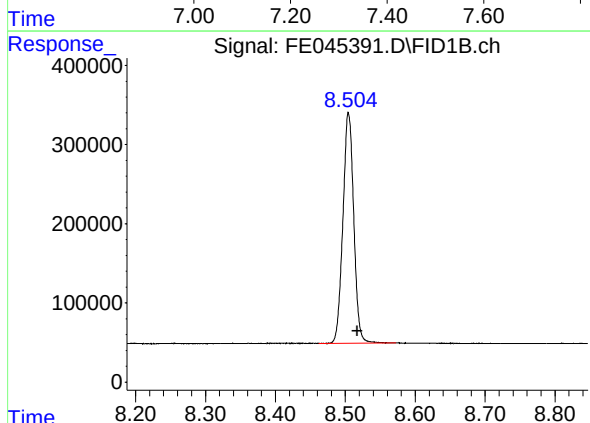
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.014 min
Response: 3224440
Conc: 18.78 ug/ml

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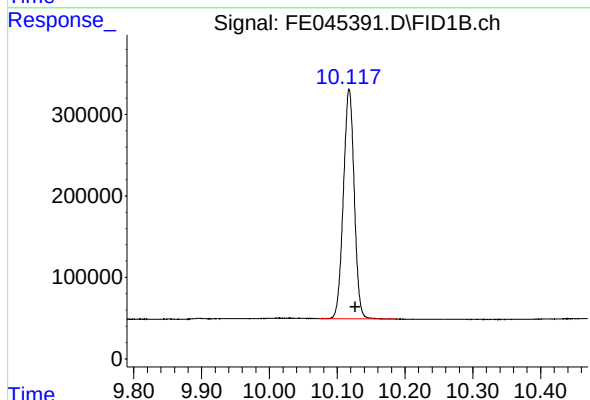
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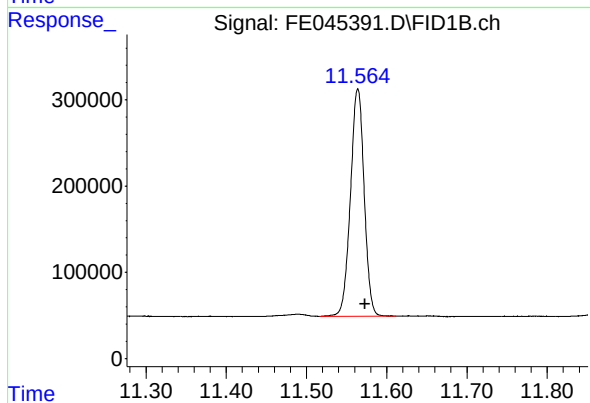
#6 n-Tetradecane (C14)

R.T.: 8.505 min
Delta R.T.: -0.013 min
Response: 3136694
Conc: 18.82 ug/ml



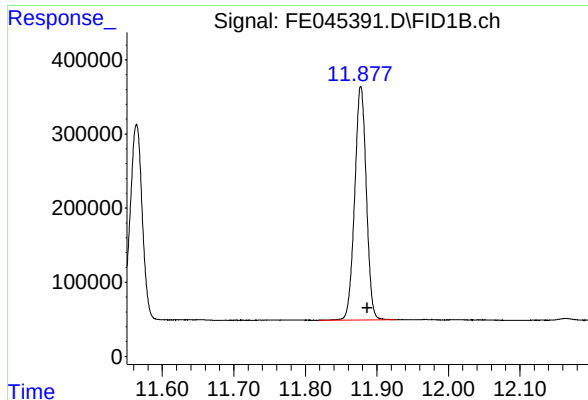
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.009 min
Response: 3135986
Conc: 18.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.564 min
Delta R.T.: -0.009 min
Response: 3134258
Conc: 18.73 ug/ml



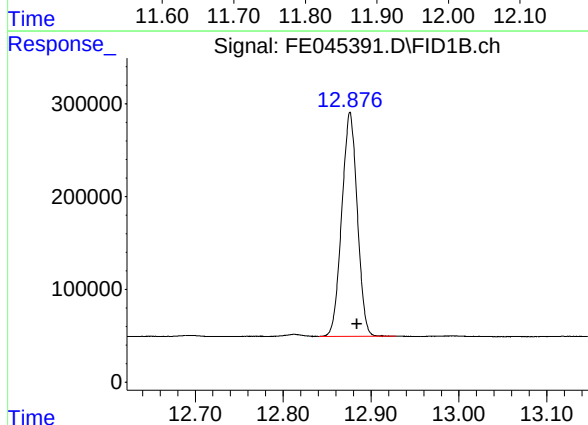
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.009 min
Response: 3560029
Conc: 18.65 ug/ml

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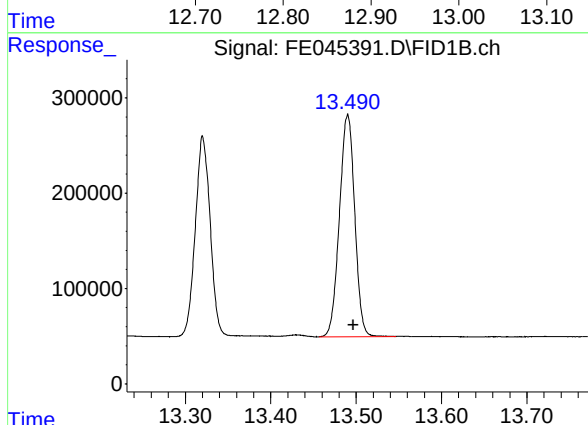
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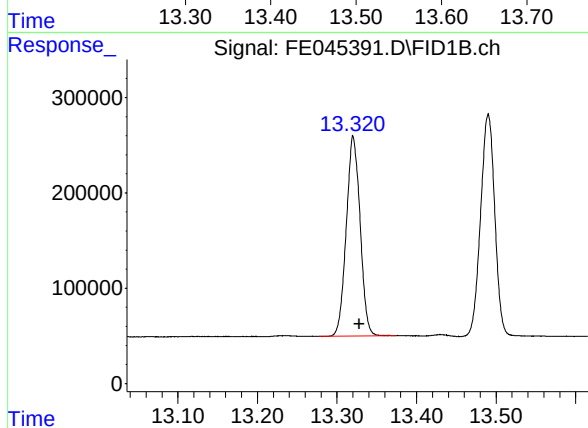
#10 n-Eicosane (C20)

R.T.: 12.876 min
Delta R.T.: -0.008 min
Response: 2962549
Conc: 18.70 ug/ml



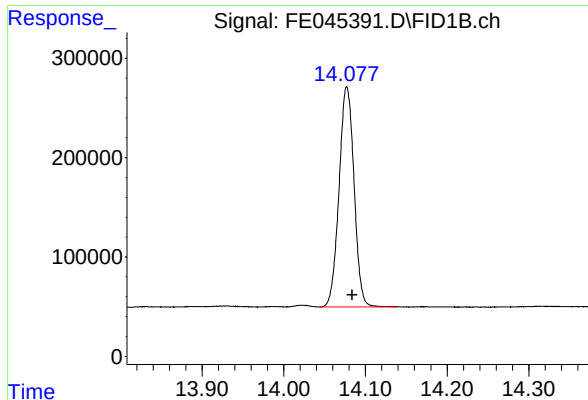
#11 n-Heneicosane (C21)

R.T.: 13.490 min
Delta R.T.: -0.007 min
Response: 2894824
Conc: 18.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.008 min
Response: 2537066
Conc: 18.42 ug/ml



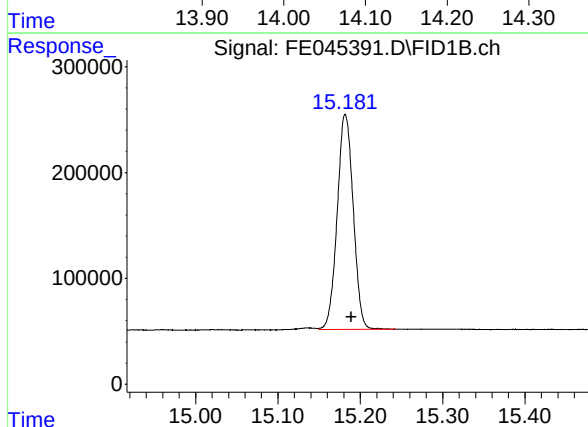
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.007 min
Response: 2825990
Conc: 18.65 ug/ml

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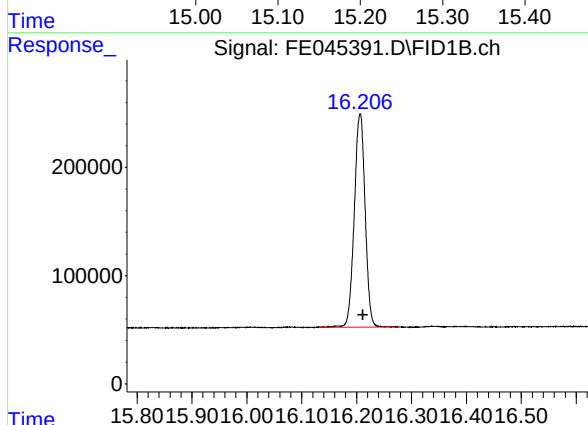
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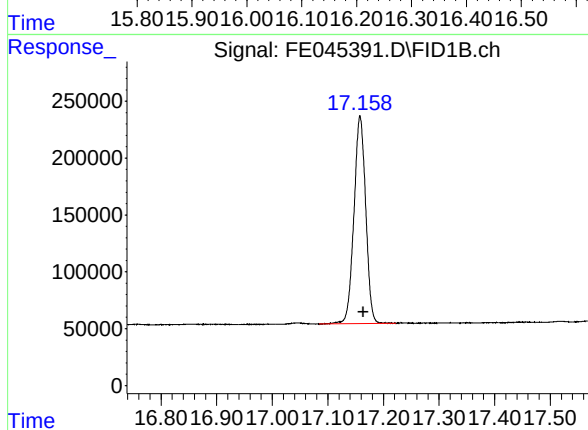
#14 n-Tetracosane (C24)

R.T.: 15.182 min
Delta R.T.: -0.008 min
Response: 2750475
Conc: 18.57 ug/ml



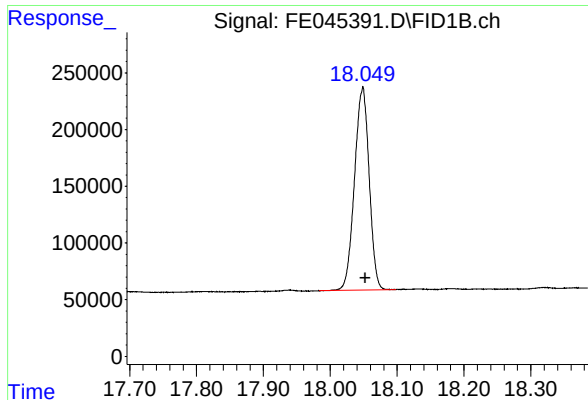
#15 n-Hexacosane (C26)

R.T.: 16.207 min
Delta R.T.: -0.005 min
Response: 2699359
Conc: 18.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.158 min
Delta R.T.: -0.006 min
Response: 2686144
Conc: 18.38 ug/ml



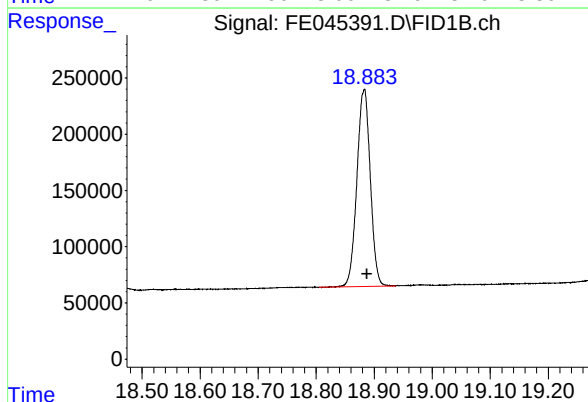
#17 n-Tricontane (C30)

R.T.: 18.049 min
Delta R.T.: -0.004 min
Response: 2719647
Conc: 17.90 ug/ml

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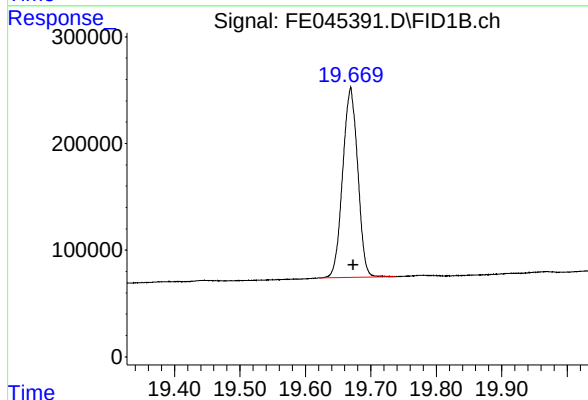
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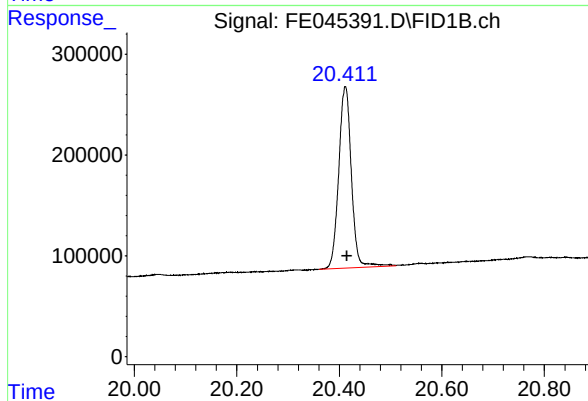
#18 n-Dotriacontane (C32)

R.T.: 18.883 min
Delta R.T.: -0.005 min
Response: 2806019
Conc: 17.96 ug/ml



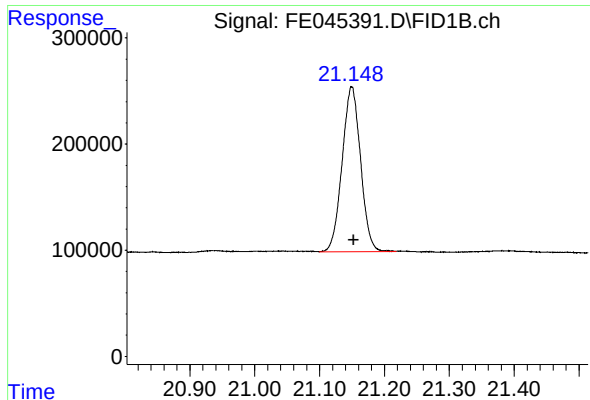
#19 n-Tetratriacontane (C34)

R.T.: 19.669 min
Delta R.T.: -0.004 min
Response: 2843662
Conc: 18.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.412 min
Delta R.T.: -0.003 min
Response: 3088176
Conc: 19.03 ug/ml



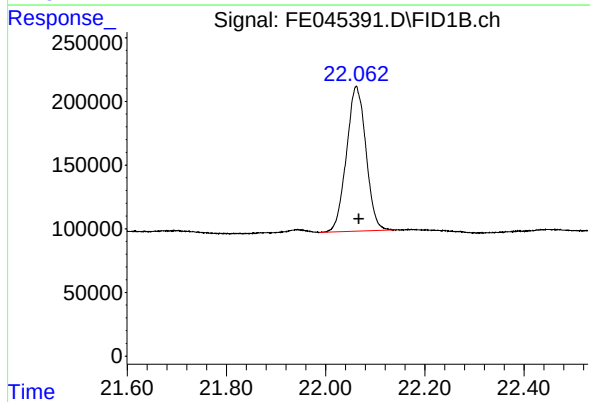
#21 n-Octatriacontane (C38)

R.T.: 21.148 min
Delta R.T.: -0.004 min
Response: 3067855
Conc: 18.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.062 min
Delta R.T.: -0.006 min
Response: 3101896
Conc: 18.16 ug/ml