

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110323AL\
 Data File : FE045176.D
 Signal(s) : FID1B.ch
 Acq On : 03 Nov 2023 14:57
 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 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 03 23:03:24 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.888	3834828	19.130 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
12) S 1-chlorooctadecane (S...	13.330	2776596	18.763 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
Target Compounds			
1) T n-Nonane (C9)	3.274	3210656	19.139 ug/ml
2) T n-Decane (C10)	4.525	3353672	19.687 ug/ml
3) T A~Naphthalene (C11.7)	6.226	3573677	19.305 ug/ml
4) T n-Dodecane (C12)	6.691	3356947	19.447 ug/ml
5) T A~2-methylnaphthalene...	7.322	3429666	19.012 ug/ml
6) T n-Tetradecane (C14)	8.518	3314647	19.330 ug/ml
7) T n-Hexadecane (C16)	10.129	3371025	19.277 ug/ml
8) T n-Octadecane (C18)	11.574	3356021	19.242 ug/ml
10) T n-Eicosane (C20)	12.885	3188828	19.091 ug/ml
11) T n-Heneicosane (C21)	13.499	3095343	18.988 ug/ml
13) T n-Docosane (C22)	14.086	3049094	19.062 ug/ml
14) T n-Tetracosane (C24)	15.191	3033272	19.545 ug/ml
15) T n-Hexacosane (C26)	16.214	2945505	19.619 ug/ml
16) T n-Octacosane (C28)	17.167	2982735	20.312 ug/ml
17) T n-Tricontane (C30)	18.058	3217191	21.631 ug/ml
18) T n-Dotriacontane (C32)	18.890	3339449	22.249 ug/ml
19) T n-Tetratriacontane (C34)	19.678	3310373	22.238 ug/mlm
20) T n-Hexatriacontane (C36)	20.418	3296589	21.443 ug/ml
21) T n-Octatriacontane (C38)	21.157	3300746	21.130 ug/mlm
22) T n-Tetracontane (C40)	22.071	3275253	19.598 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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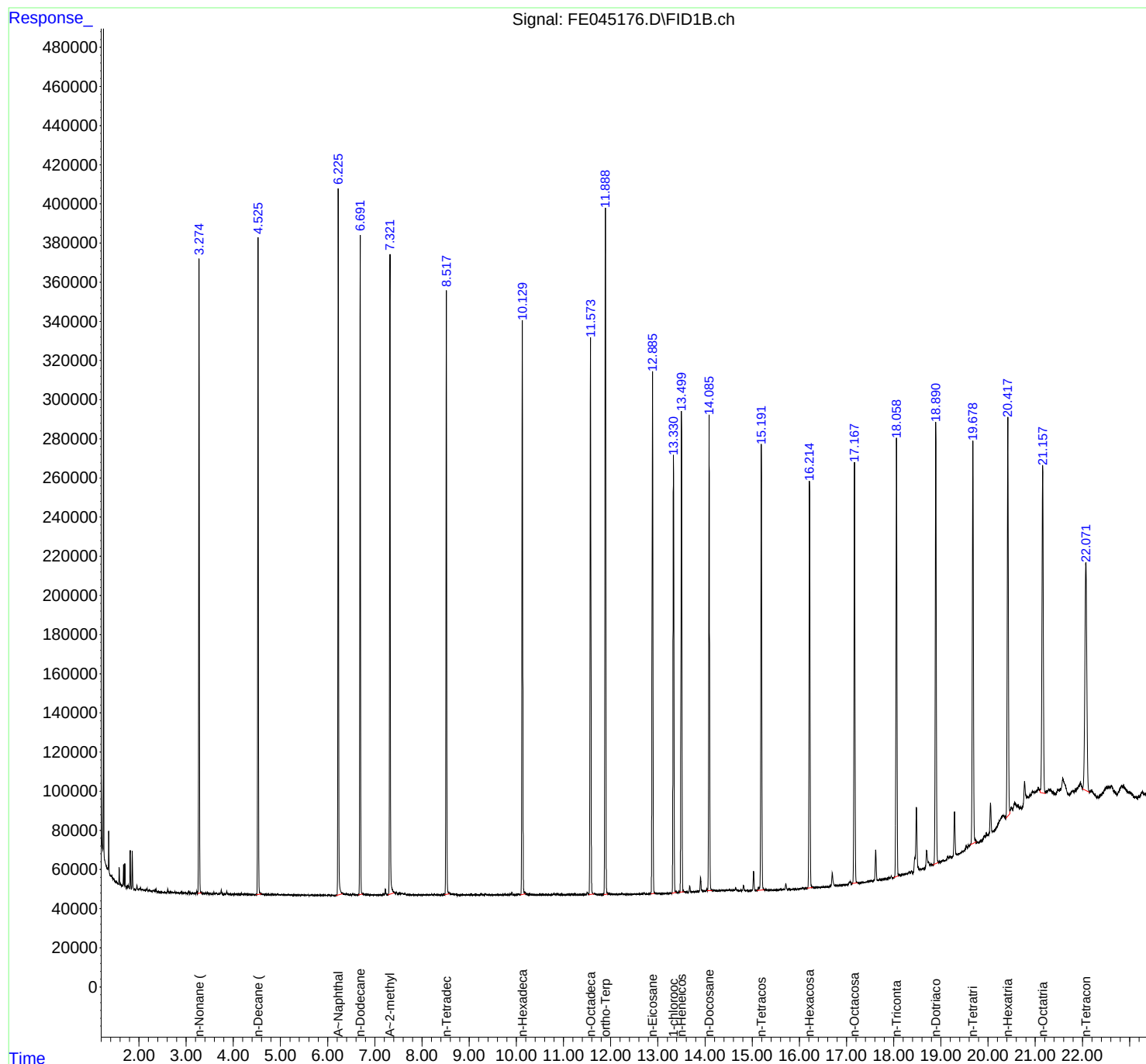
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20 PPM ALIPHATIC HC STD

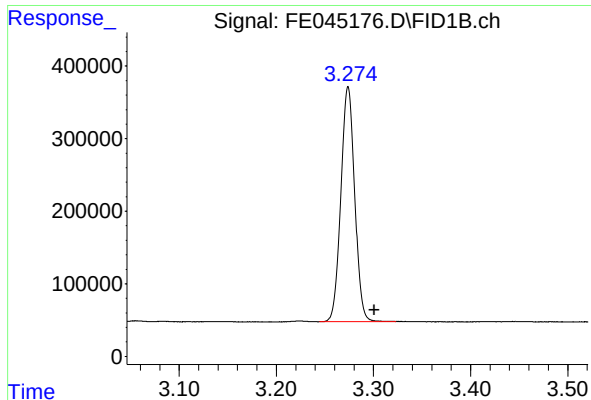
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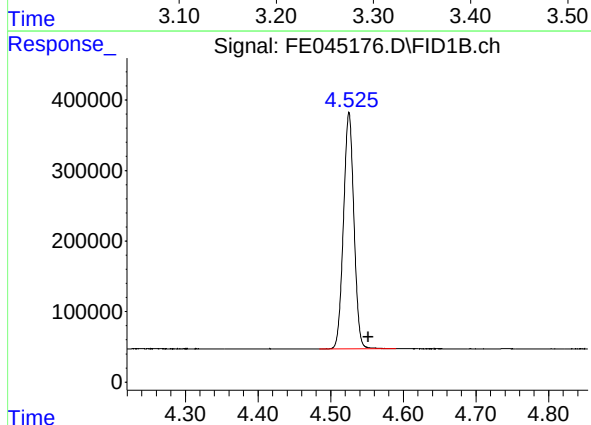
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: -0.027 min
Response: 3210656
Conc: 19.14 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

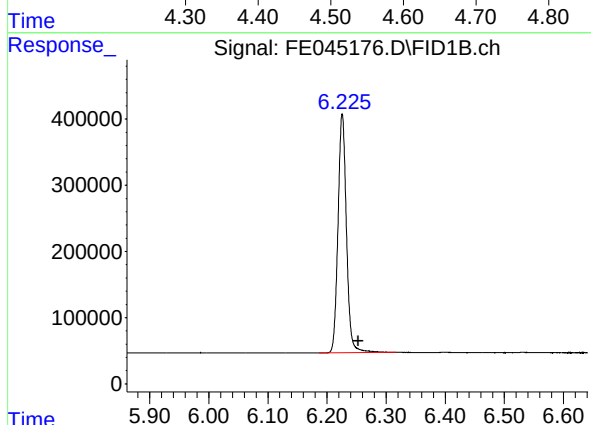
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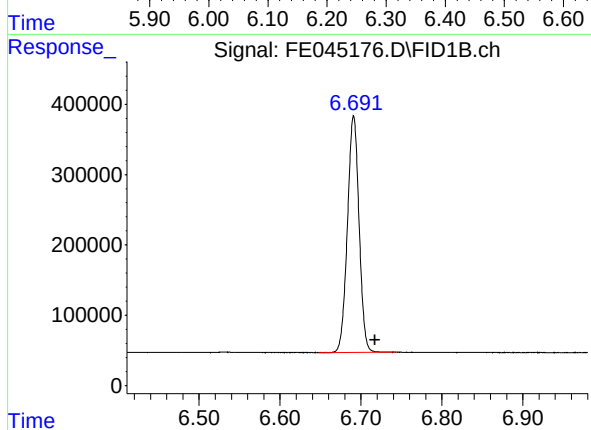
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: -0.027 min
Response: 3353672
Conc: 19.69 ug/ml



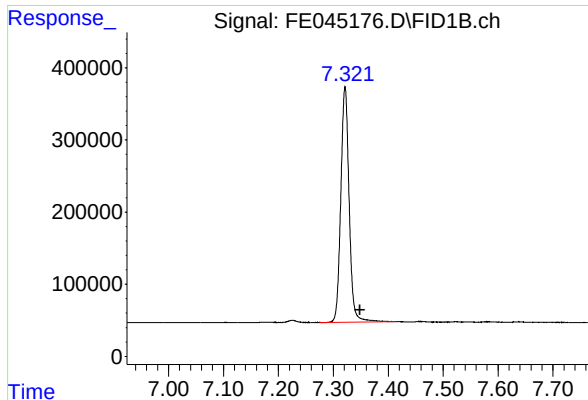
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.027 min
Response: 3573677
Conc: 19.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: -0.027 min
Response: 3356947
Conc: 19.45 ug/ml



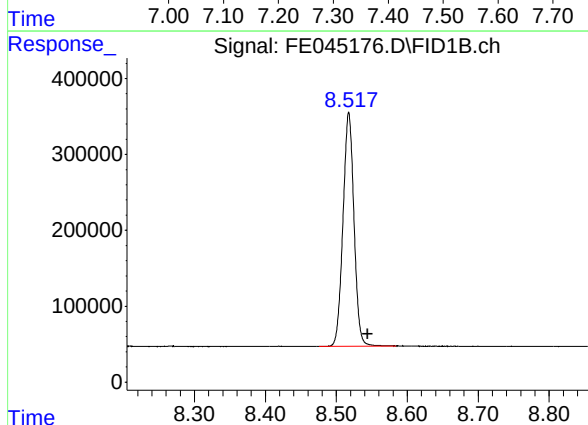
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.027 min
Response: 3429666
Conc: 19.01 ug/ml

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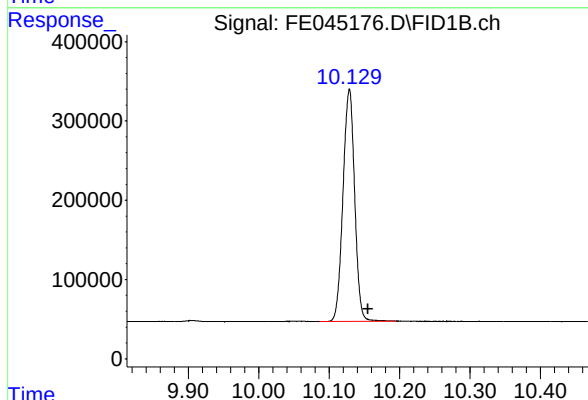
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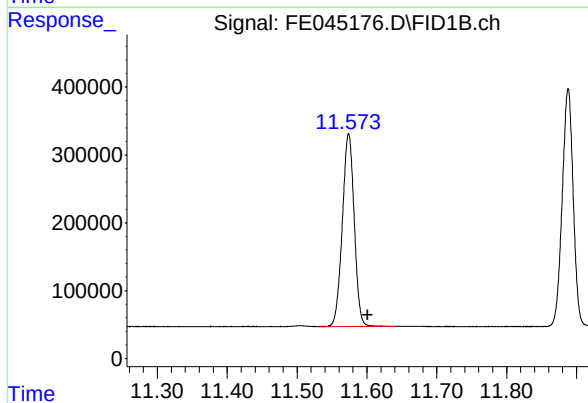
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: -0.027 min
Response: 3314647
Conc: 19.33 ug/ml



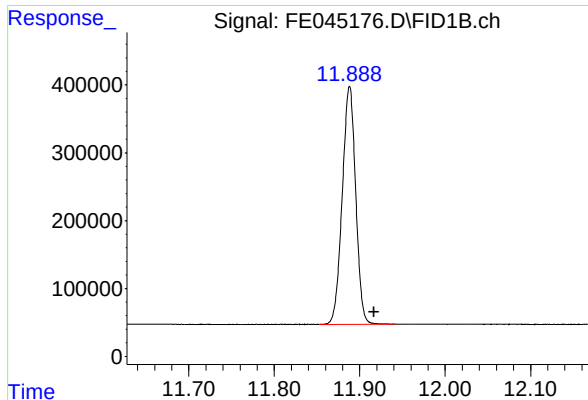
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.026 min
Response: 3371025
Conc: 19.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.574 min
Delta R.T.: -0.027 min
Response: 3356021
Conc: 19.24 ug/ml



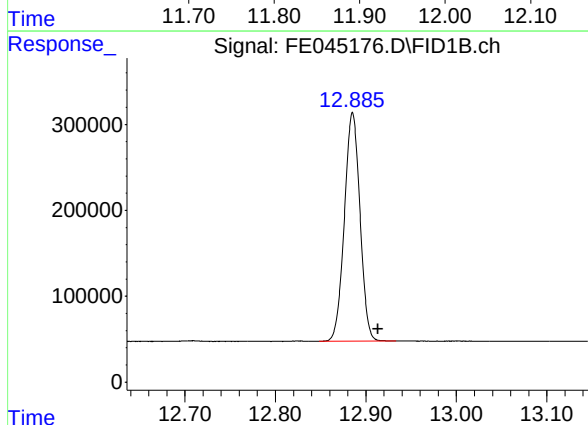
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.029 min
Response: 3834828
Conc: 19.13 ug/ml

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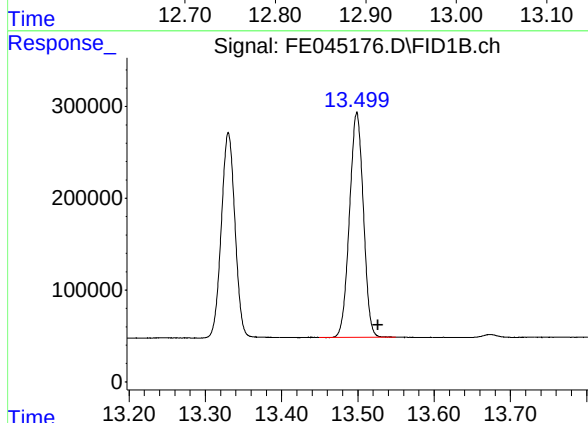
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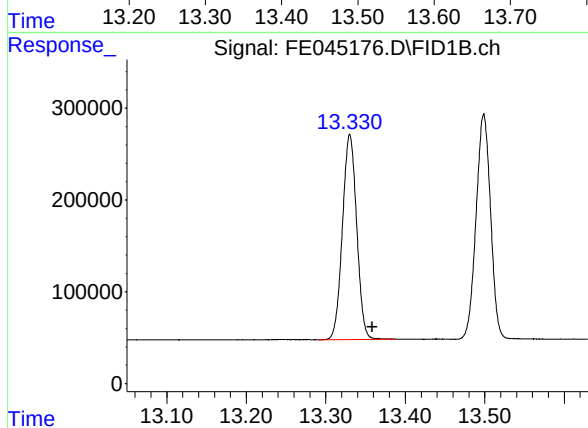
#10 n-Eicosane (C20)

R.T.: 12.885 min
Delta R.T.: -0.028 min
Response: 3188828
Conc: 19.09 ug/ml



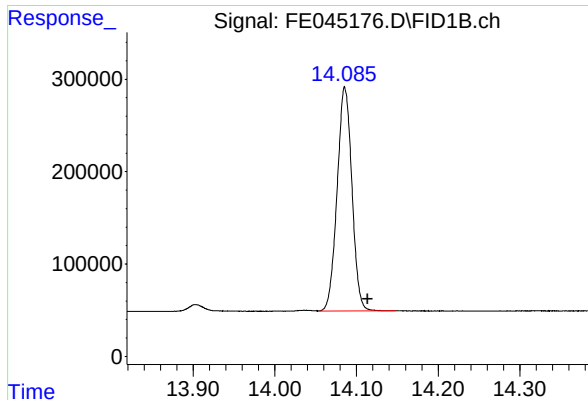
#11 n-Heneicosane (C21)

R.T.: 13.499 min
Delta R.T.: -0.028 min
Response: 3095343
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.330 min
Delta R.T.: -0.028 min
Response: 2776596
Conc: 18.76 ug/ml



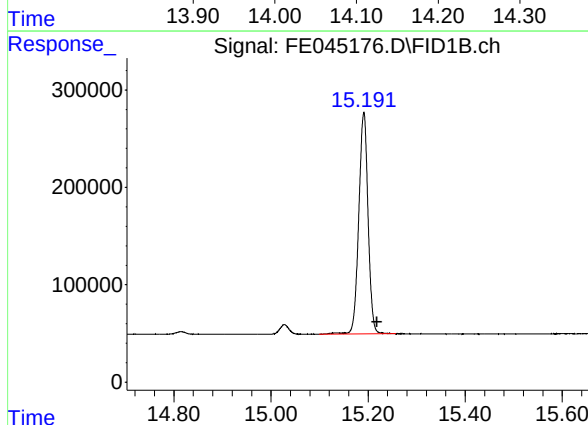
#13 n-Docosane (C22)

R.T.: 14.086 min
Delta R.T.: -0.028 min
Response: 3049094
Conc: 19.06 ug/ml

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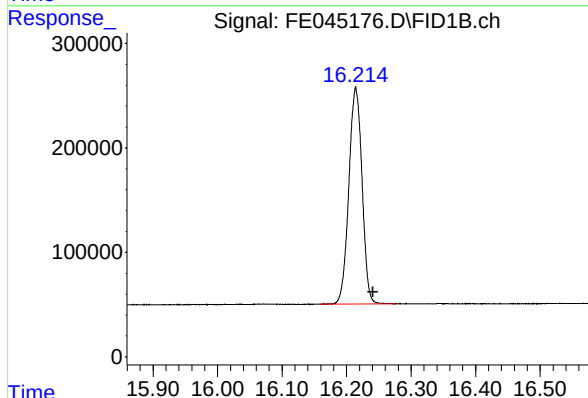
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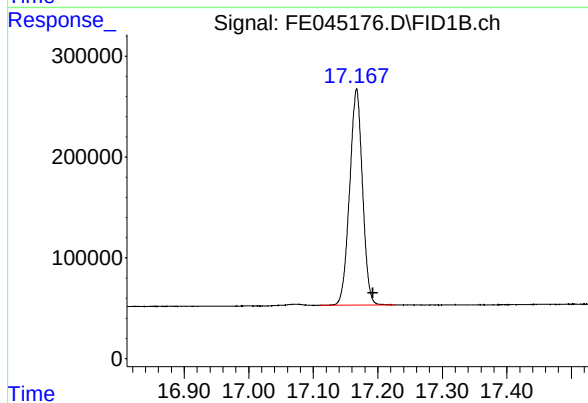
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.027 min
Response: 3033272
Conc: 19.54 ug/ml



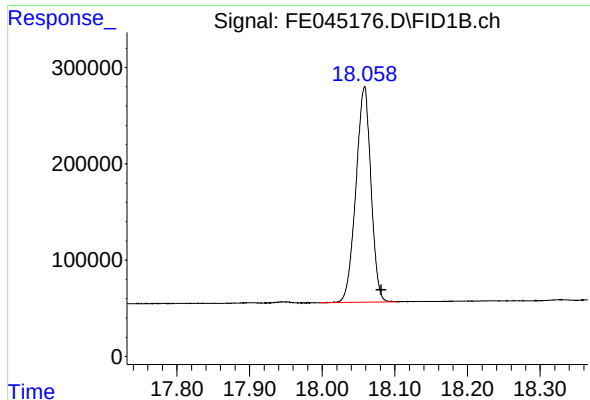
#15 n-Hexacosane (C26)

R.T.: 16.214 min
Delta R.T.: -0.026 min
Response: 2945505
Conc: 19.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.167 min
Delta R.T.: -0.025 min
Response: 2982735
Conc: 20.31 ug/ml



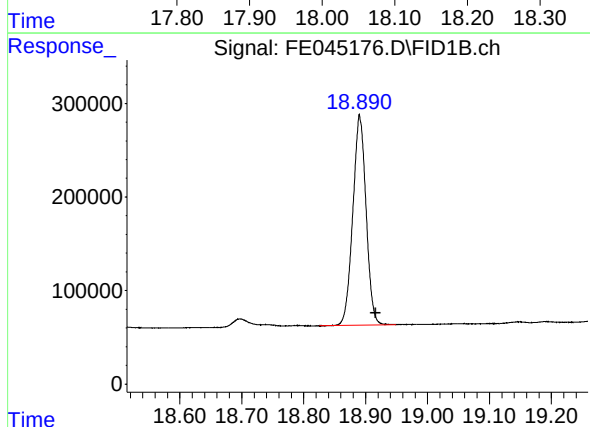
#17 n-Tricontane (C30)

R.T.: 18.058 min
Delta R.T.: -0.024 min
Response: 3217191
Conc: 21.63 ug/ml

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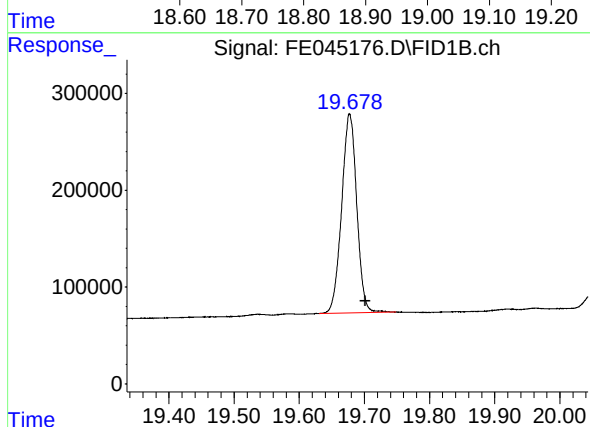
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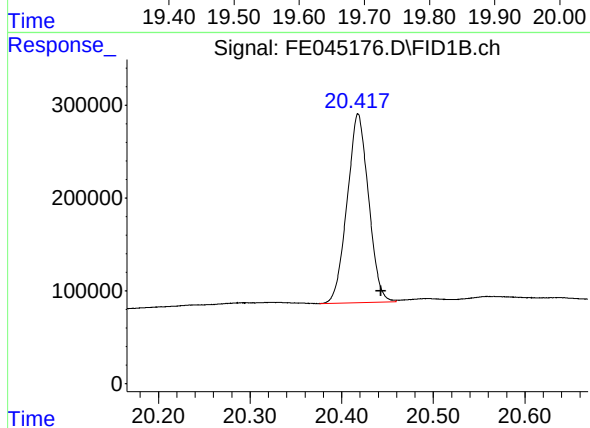
#18 n-Dotriacontane (C32)

R.T.: 18.890 min
Delta R.T.: -0.026 min
Response: 3339449
Conc: 22.25 ug/ml



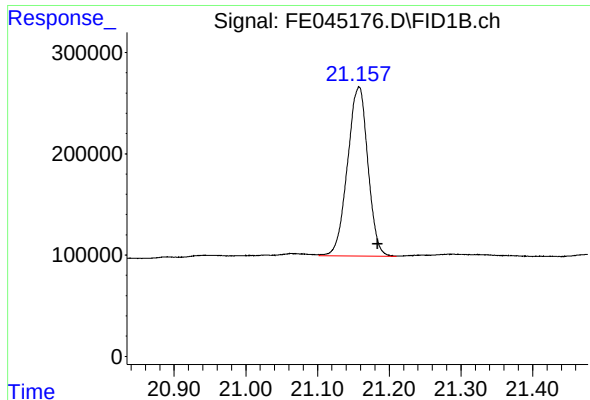
#19 n-Tetratriacontane (C34)

R.T.: 19.678 min
Delta R.T.: -0.024 min
Response: 3310373
Conc: 22.24 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.418 min
Delta R.T.: -0.025 min
Response: 3296589
Conc: 21.44 ug/ml



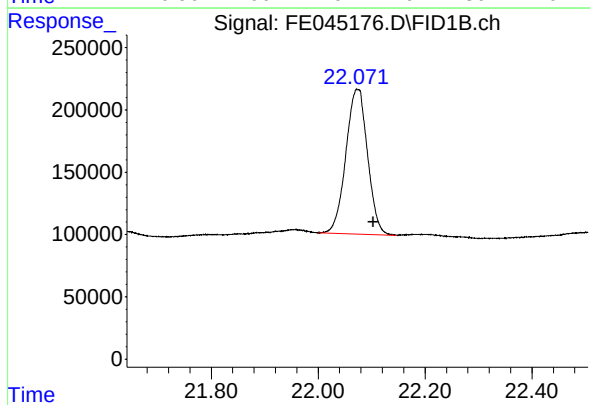
#21 n-Octatriacontane (C38)

R.T.: 21.157 min
Delta R.T.: -0.027 min
Response: 3300746
Conc: 21.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.071 min
Delta R.T.: -0.032 min
Response: 3275253
Conc: 19.60 ug/ml m