

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103023AL\
 Data File : FE045099.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2023 16:47
 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 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Integration File: autoint1.e
 Quant Time: Oct 30 23:36:15 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)	11.895	3494632	17.433 ug/ml
Spiked Amount 50.000		Recovery =	34.87%
12) S 1-chlorooctadecane (S...	13.337	2490958	16.832 ug/ml
Spiked Amount 50.000		Recovery =	33.66%
Target Compounds			
1) T n-Nonane (C9)	3.278	3087689	18.406 ug/ml
2) T n-Decane (C10)	4.530	3135430	18.406 ug/ml
3) T A~Naphthalene (C11.7)	6.231	3347987	18.086 ug/ml
4) T n-Dodecane (C12)	6.696	3168585	18.356 ug/ml
5) T A~2-methylnaphthalene...	7.327	3209983	17.795 ug/ml
6) T n-Tetradecane (C14)	8.523	3105615	18.111 ug/ml
7) T n-Hexadecane (C16)	10.134	3099608	17.725 ug/ml
8) T n-Octadecane (C18)	11.581	3047369	17.472 ug/ml
10) T n-Eicosane (C20)	12.892	2868931	17.176 ug/ml
11) T n-Heneicosane (C21)	13.506	2786073	17.091 ug/ml
13) T n-Docosane (C22)	14.093	2721733	17.016 ug/ml
14) T n-Tetracosane (C24)	15.199	2652134	17.089 ug/ml
15) T n-Hexacosane (C26)	16.221	2592223	17.266 ug/ml
16) T n-Octacosane (C28)	17.174	2568702	17.493 ug/ml
17) T n-Tricontane (C30)	18.063	2606897	17.528 ug/ml
18) T n-Dotriacontane (C32)	18.898	2658500	17.712 ug/ml
19) T n-Tetratriacontane (C34)	19.685	2680684	18.008 ug/ml
20) T n-Hexatriacontane (C36)	20.426	2804594	18.242 ug/mlm
21) T n-Octatriacontane (C38)	21.165	2882617	18.453 ug/mlm
22) T n-Tetracontane (C40)	22.082	2868046	17.161 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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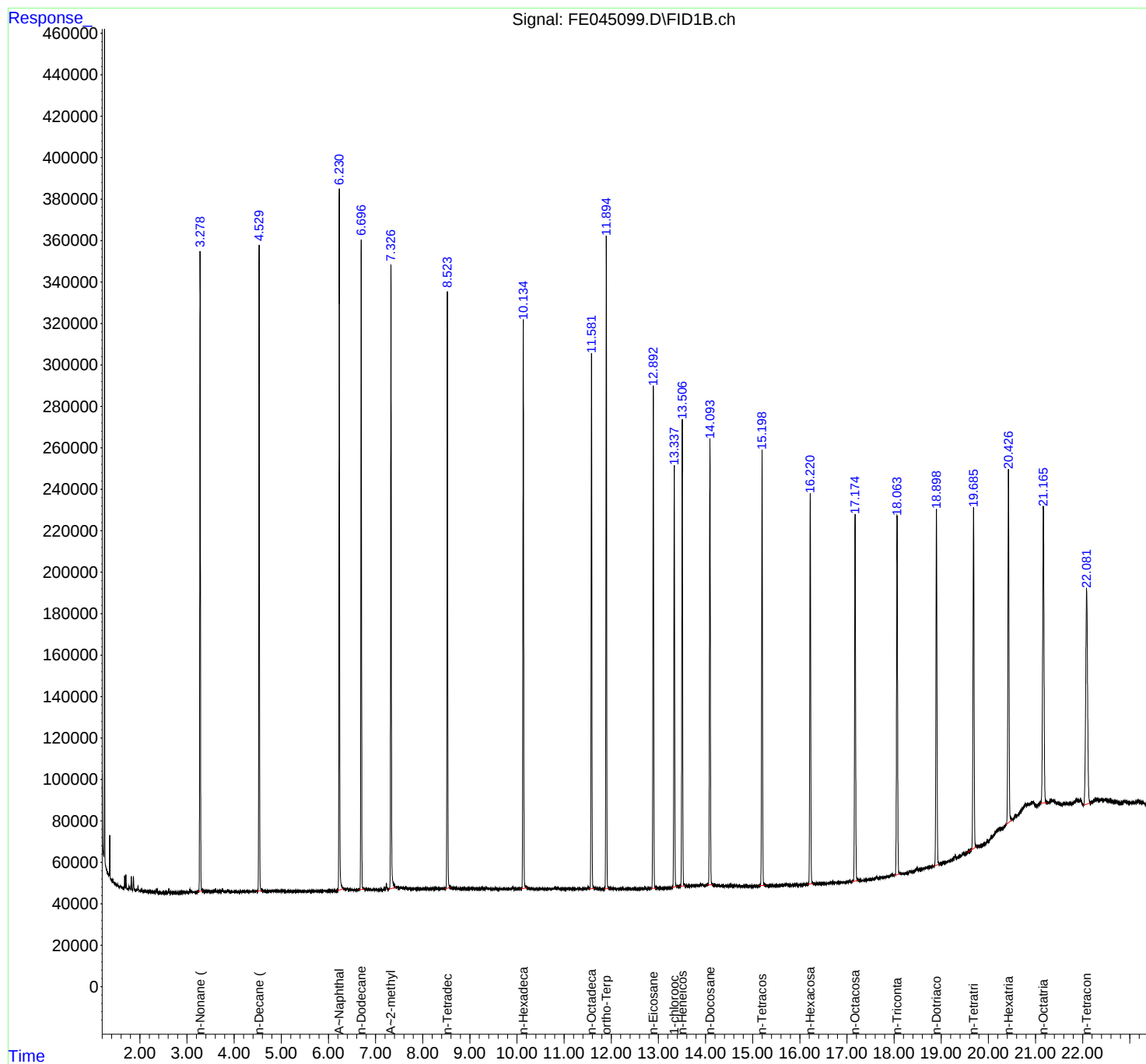
Instrument :
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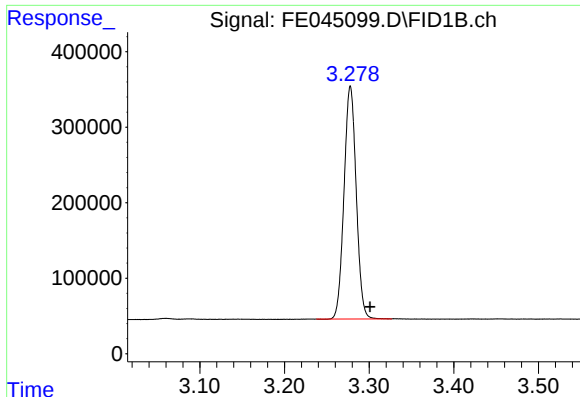
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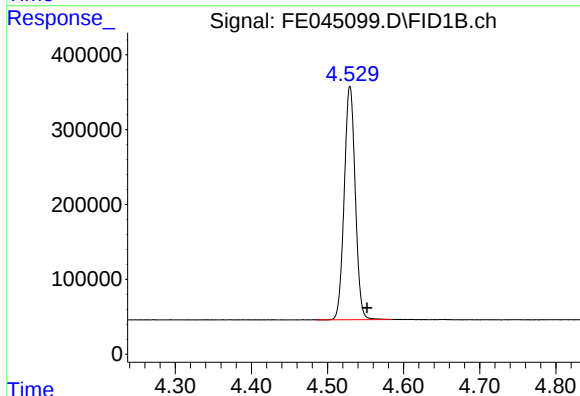
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: -0.023 min
Response: 3087689
Conc: 18.41 ug/ml

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20 PPM ALIPHATIC HC STD

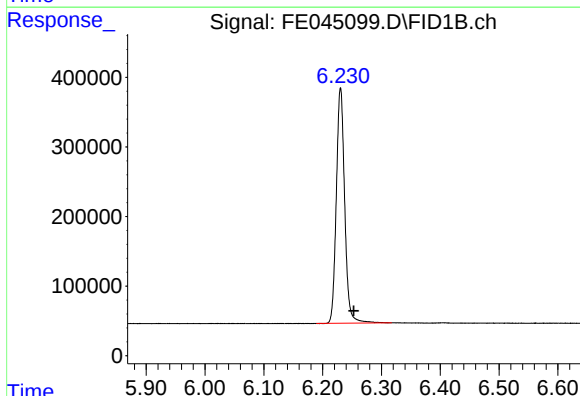
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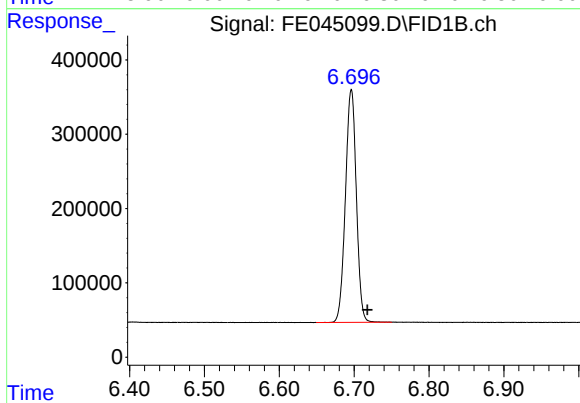
#2 n-Decane (C10)

R.T.: 4.530 min
Delta R.T.: -0.023 min
Response: 3135430
Conc: 18.41 ug/ml



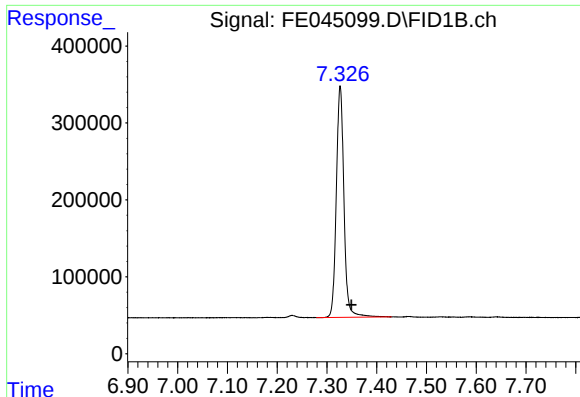
#3 A~Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: -0.023 min
Response: 3347987
Conc: 18.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: -0.021 min
Response: 3168585
Conc: 18.36 ug/ml



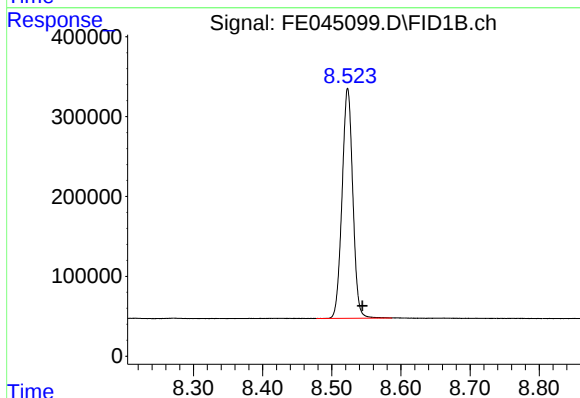
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.022 min
Response: 3209983
Conc: 17.79 ug/ml

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20 PPM ALIPHATIC HC STD

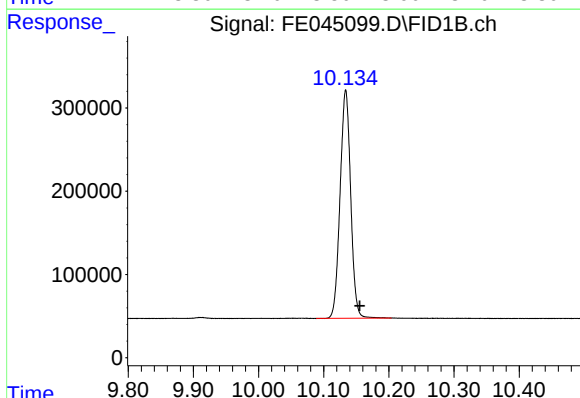
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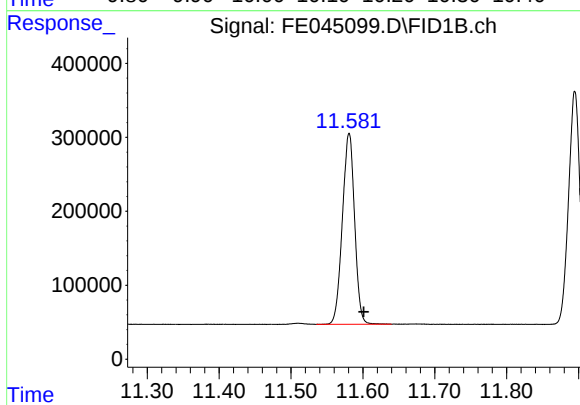
#6 n-Tetradecane (C14)

R.T.: 8.523 min
Delta R.T.: -0.021 min
Response: 3105615
Conc: 18.11 ug/ml



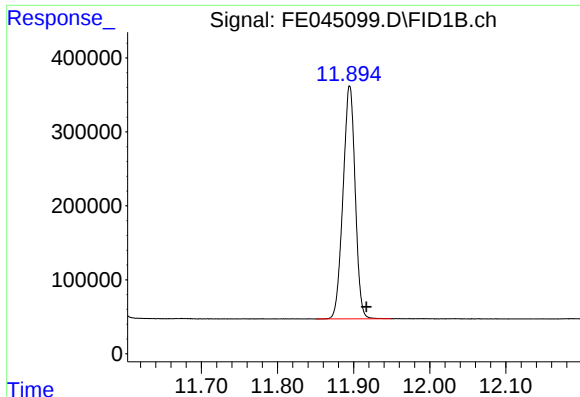
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: -0.021 min
Response: 3099608
Conc: 17.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.581 min
Delta R.T.: -0.020 min
Response: 3047369
Conc: 17.47 ug/ml



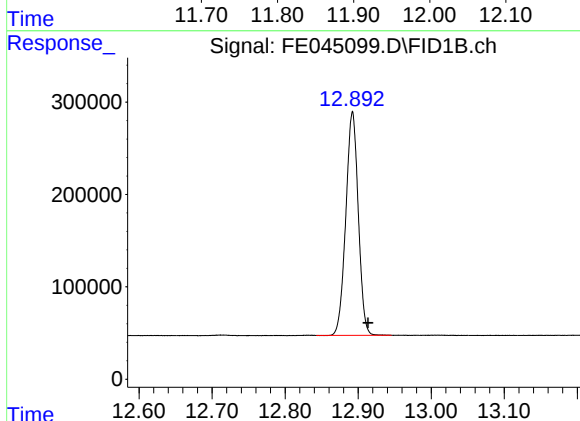
#9 ortho-Terphenyl (SURR)

R.T.: 11.895 min
Delta R.T.: -0.022 min
Response: 3494632
Conc: 17.43 ug/ml

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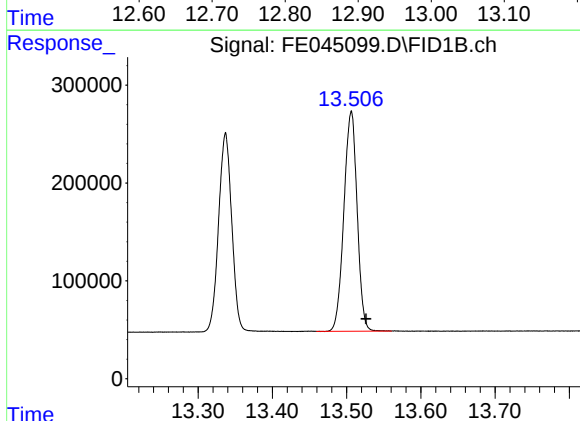
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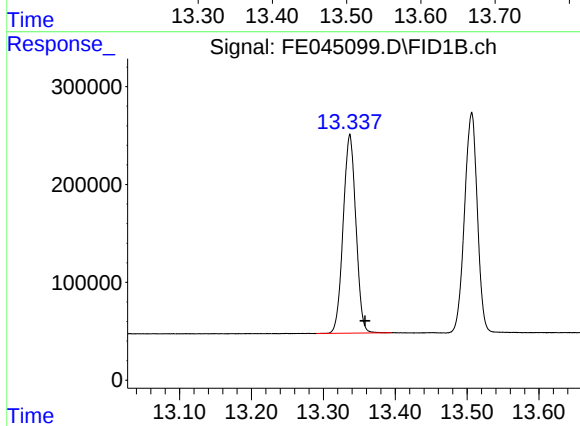
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.021 min
Response: 2868931
Conc: 17.18 ug/ml



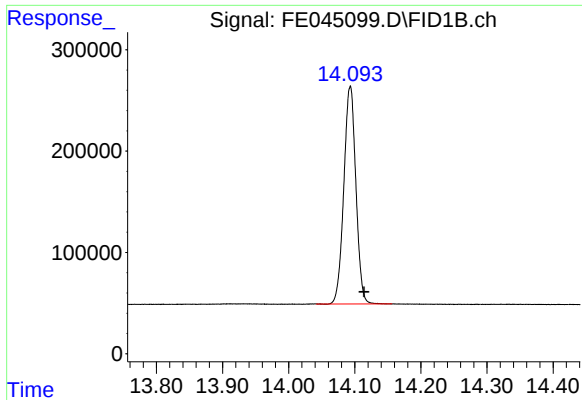
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.020 min
Response: 2786073
Conc: 17.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.337 min
Delta R.T.: -0.021 min
Response: 2490958
Conc: 16.83 ug/ml



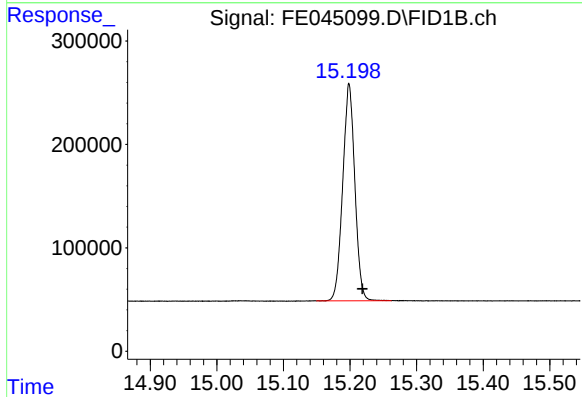
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.021 min
Response: 2721733
Conc: 17.02 ug/ml

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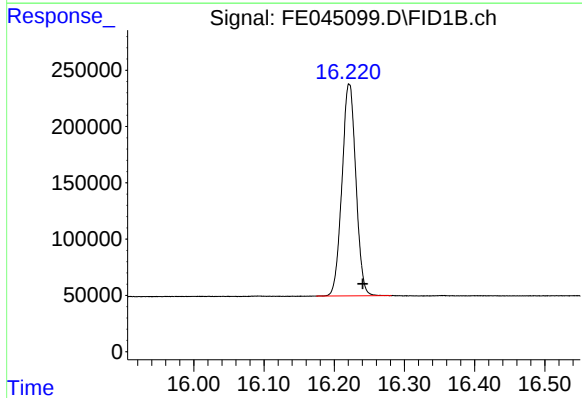
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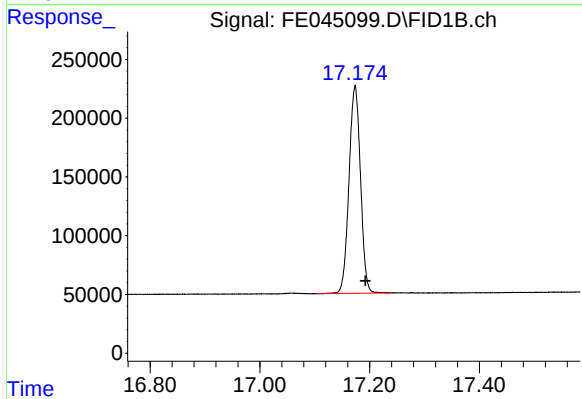
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.020 min
Response: 2652134
Conc: 17.09 ug/ml



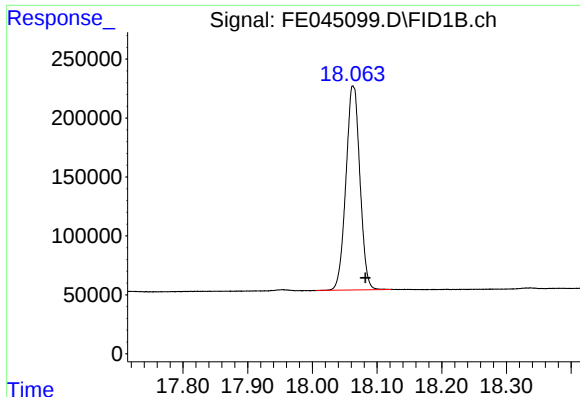
#15 n-Hexacosane (C26)

R.T.: 16.221 min
Delta R.T.: -0.019 min
Response: 2592223
Conc: 17.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.174 min
Delta R.T.: -0.019 min
Response: 2568702
Conc: 17.49 ug/ml



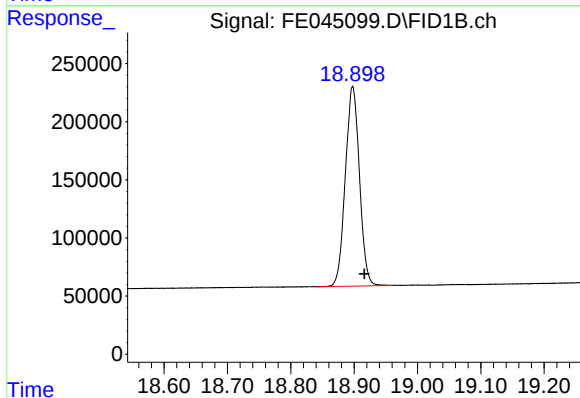
#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.019 min
Response: 2606897
Conc: 17.53 ug/ml

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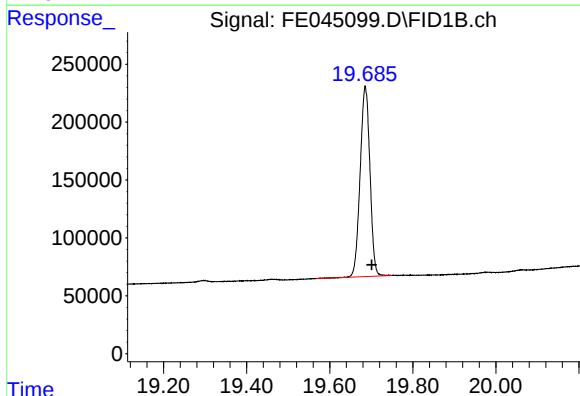
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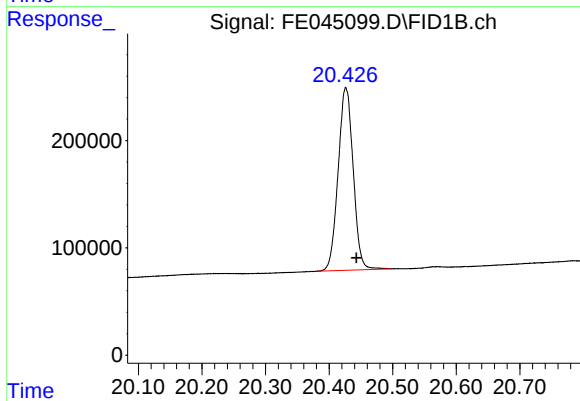
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: -0.019 min
Response: 2658500
Conc: 17.71 ug/ml



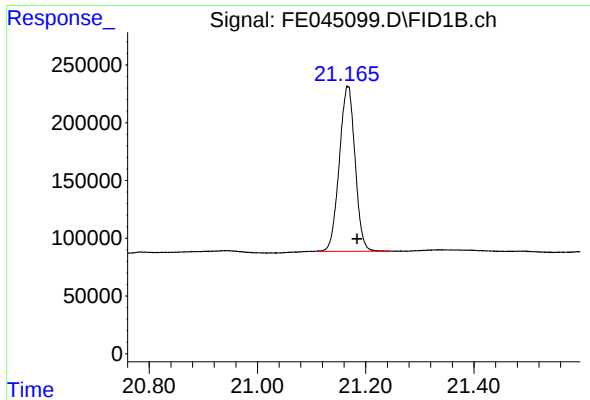
#19 n-Tetratriacontane (C34)

R.T.: 19.685 min
Delta R.T.: -0.016 min
Response: 2680684
Conc: 18.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.426 min
Delta R.T.: -0.017 min
Response: 2804594
Conc: 18.24 ug/ml m



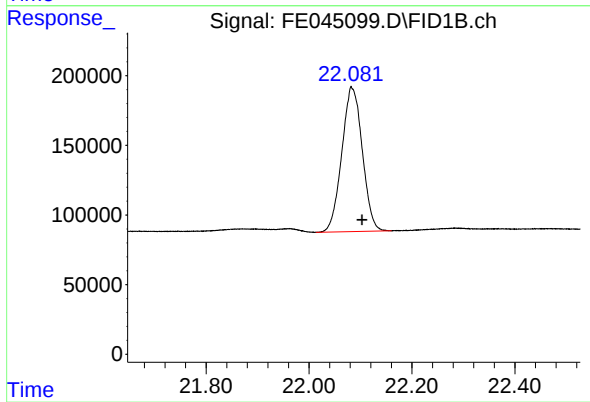
#21 n-Octatriacontane (C38)

R.T.: 21.165 min
Delta R.T.: -0.019 min
Response: 2882617
Conc: 18.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.082 min
Delta R.T.: -0.021 min
Response: 2868046
Conc: 17.16 ug/ml