

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061224AL\
 Data File : FE048689.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2024 00:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2024
 Supervised By :Ankita Jodhani 06/13/2024

Integration File: autoint1.e
 Quant Time: Jun 13 01:31:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.938	2819752	19.637 ug/ml
Spiked Amount 50.000		Recovery =	39.27%
12) S 1-chlorooctadecane (S...	13.372	2105519	19.327 ug/ml
Spiked Amount 50.000		Recovery =	38.65%
Target Compounds			
1) T n-Nonane (C9)	3.326	2706132	18.101 ug/ml
2) T n-Decane (C10)	4.576	2844044	18.834 ug/ml
3) T A~Naphthalene (C11.7)	6.281	2811432	18.882 ug/ml
4) T n-Dodecane (C12)	6.741	2819610	19.048 ug/ml
5) T A~2-methylnaphthalene...	7.376	2645645	19.081 ug/ml
6) T n-Tetradecane (C14)	8.569	2722565	19.196 ug/ml
7) T n-Hexadecane (C16)	10.176	2748586	19.496 ug/ml
8) T n-Octadecane (C18)	11.619	2728525	19.646 ug/ml
10) T n-Eicosane (C20)	12.927	2604738	19.683 ug/ml
11) T n-Heneicosane (C21)	13.538	2533056	19.556 ug/ml
13) T n-Docosane (C22)	14.124	2550472	19.792 ug/ml
14) T n-Tetracosane (C24)	15.226	2634927	20.339 ug/ml
15) T n-Hexacosane (C26)	16.246	2699491	20.828 ug/ml
16) T n-Octacosane (C28)	17.196	2839725	21.970 ug/ml
17) T n-Tricontane (C30)	18.082	3142369	23.457 ug/ml
18) T n-Dotriacontane (C32)	18.914	3242252	23.886 ug/ml
19) T n-Tetratriacontane (C34)	19.698	3073445	22.467 ug/ml
20) T n-Hexatriacontane (C36)	20.437	2870815	21.119 ug/ml
21) T n-Octatriacontane (C38)	21.172	2707406	19.853 ug/ml
22) T n-Tetracontane (C40)	22.087	2560278	18.699 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

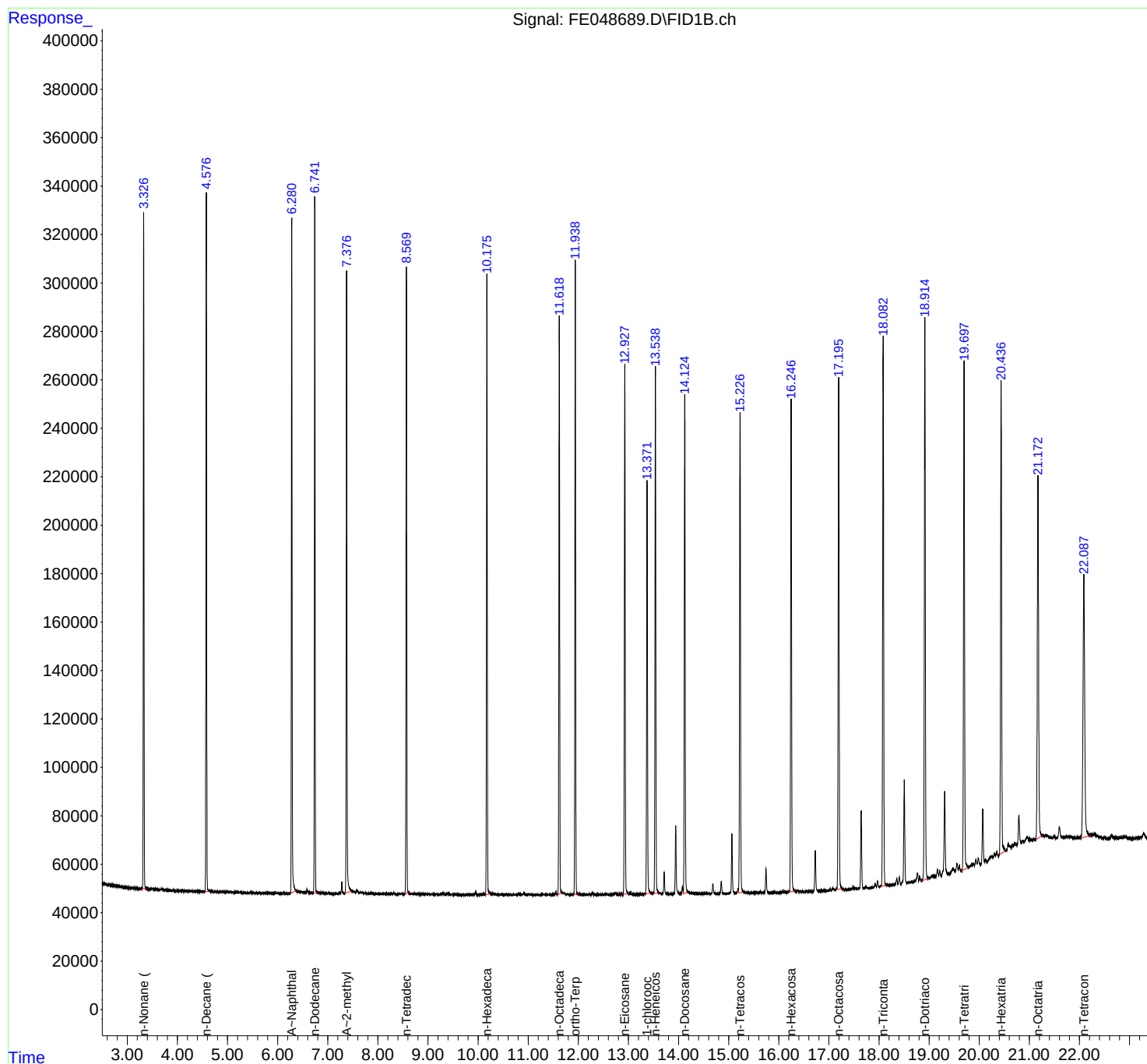
Instrument :
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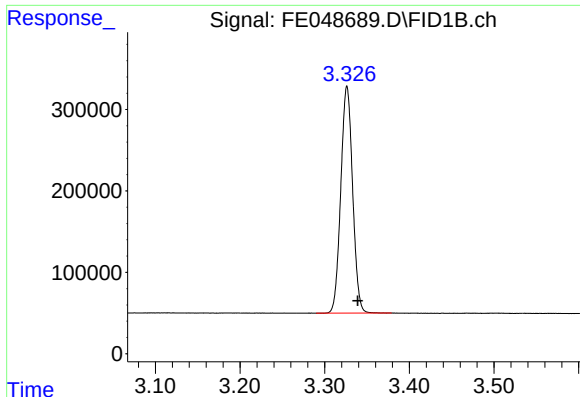
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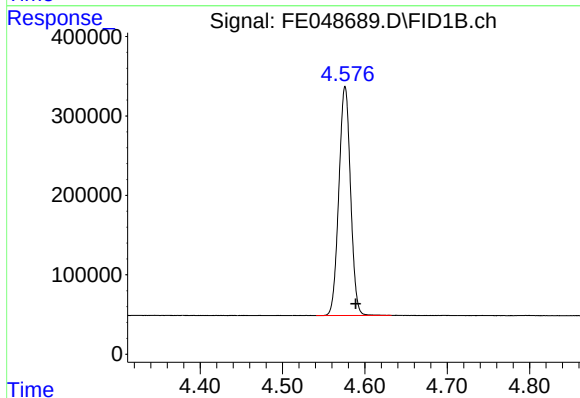
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.013 min
Response: 2706132
Conc: 18.10 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

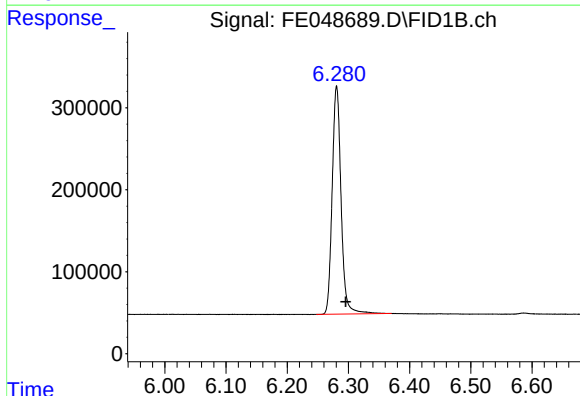
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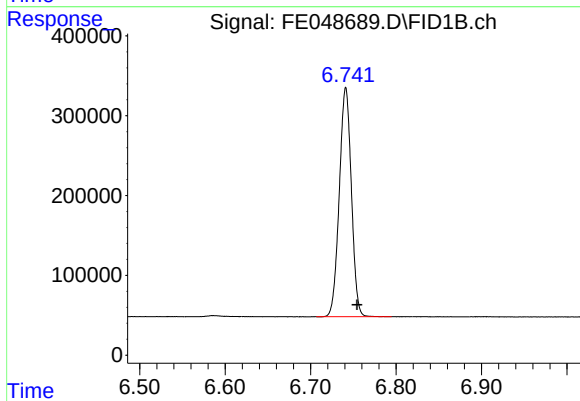
#2 n-Decane (C10)

R.T.: 4.576 min
Delta R.T.: -0.013 min
Response: 2844044
Conc: 18.83 ug/ml



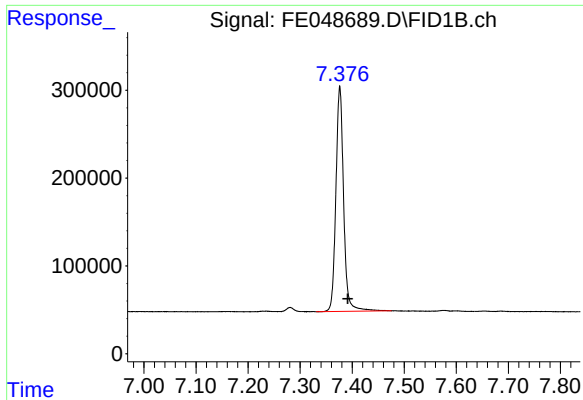
#3 A~Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: -0.015 min
Response: 2811432
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.741 min
Delta R.T.: -0.013 min
Response: 2819610
Conc: 19.05 ug/ml



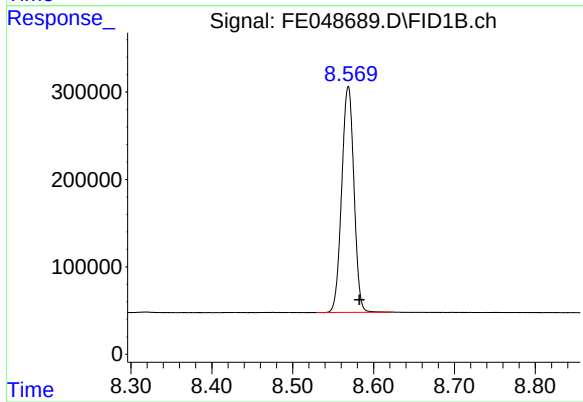
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.015 min
Response: 2645645
Conc: 19.08 ug/ml

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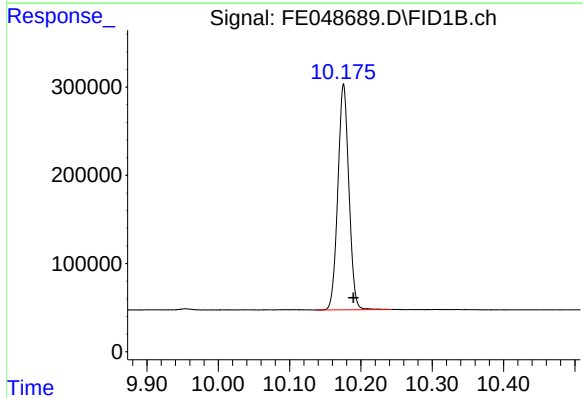
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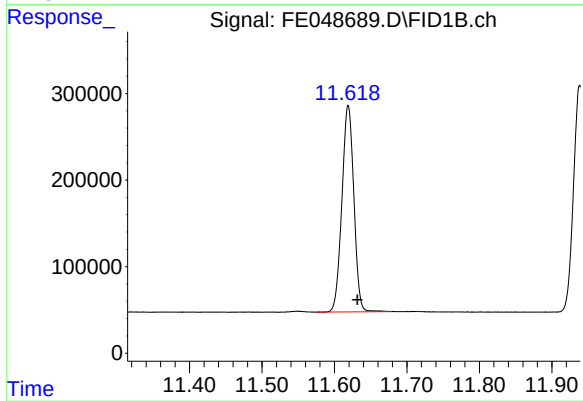
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.014 min
Response: 2722565
Conc: 19.20 ug/ml



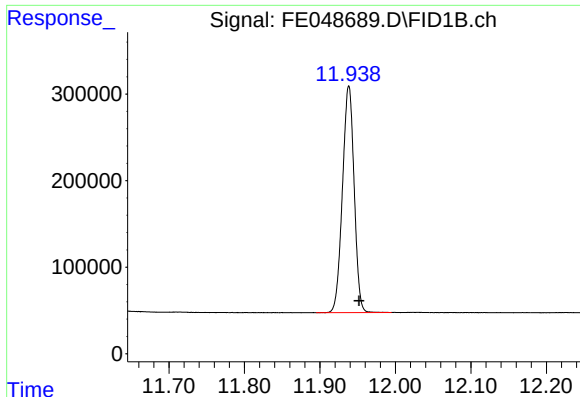
#7 n-Hexadecane (C16)

R.T.: 10.176 min
Delta R.T.: -0.014 min
Response: 2748586
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.013 min
Response: 2728525
Conc: 19.65 ug/ml



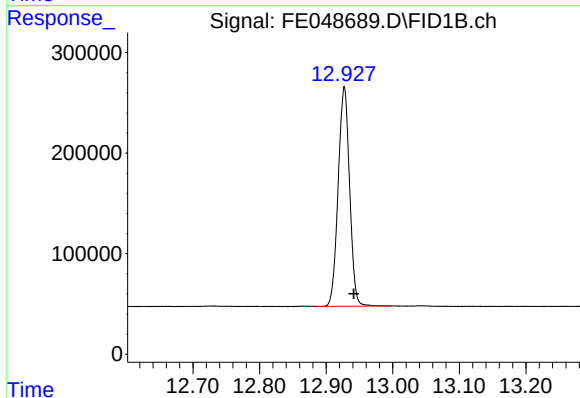
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.014 min
Response: 2819752
Conc: 19.64 ug/ml

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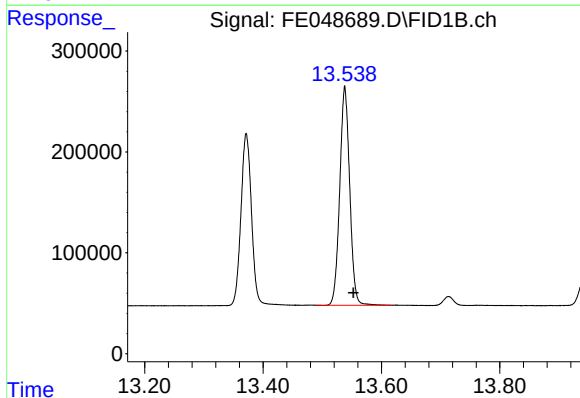
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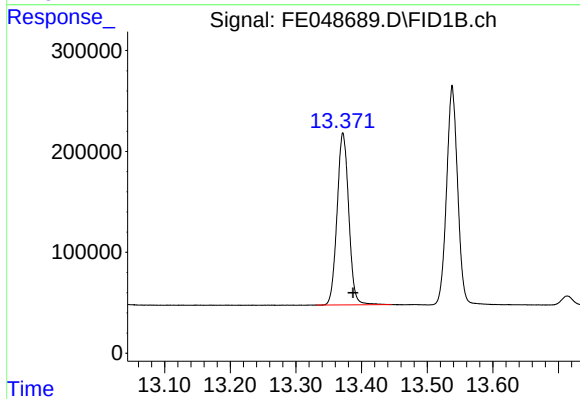
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: -0.014 min
Response: 2604738
Conc: 19.68 ug/ml



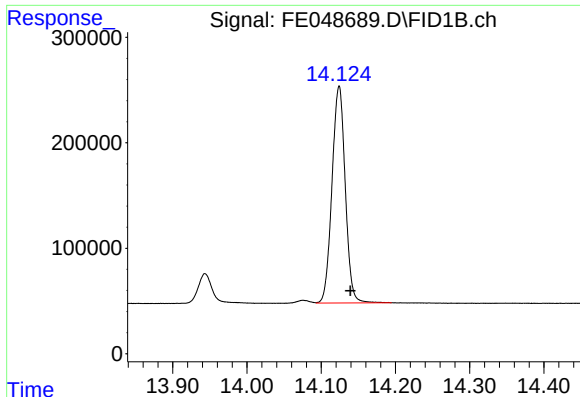
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.015 min
Response: 2533056
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.015 min
Response: 2105519
Conc: 19.33 ug/ml



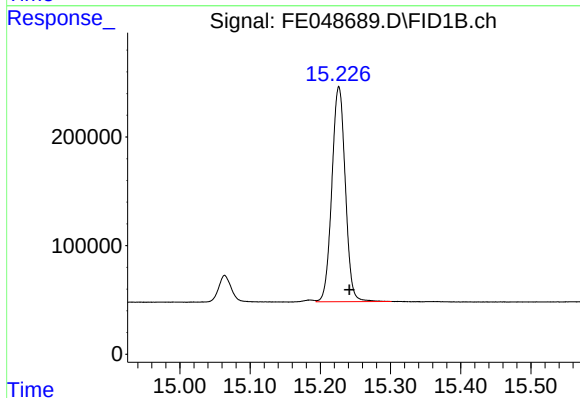
#13 n-Docosane (C22)

R.T.: 14.124 min
Delta R.T.: -0.015 min
Response: 2550472
Conc: 19.79 ug/ml

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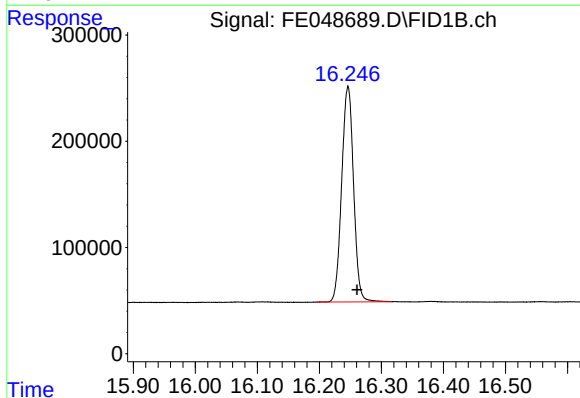
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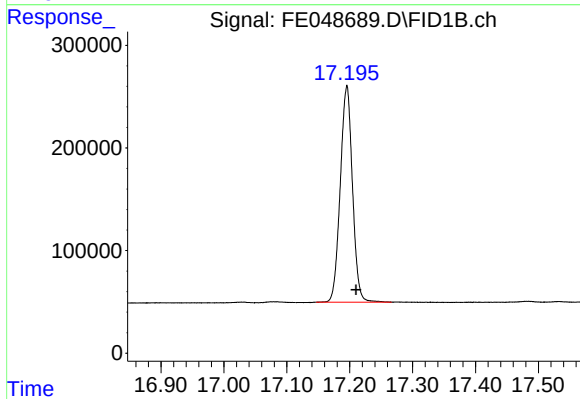
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: -0.015 min
Response: 2634927
Conc: 20.34 ug/ml



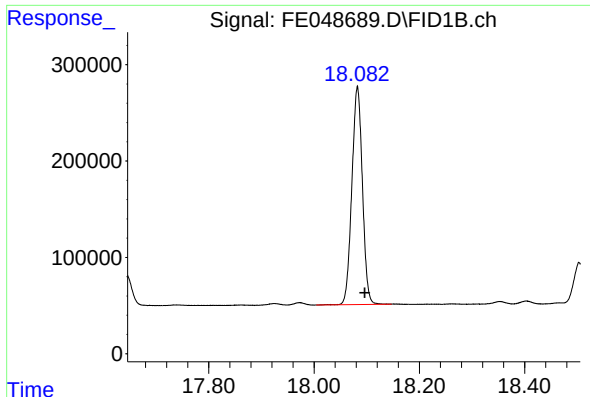
#15 n-Hexacosane (C26)

R.T.: 16.246 min
Delta R.T.: -0.014 min
Response: 2699491
Conc: 20.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.015 min
Response: 2839725
Conc: 21.97 ug/ml



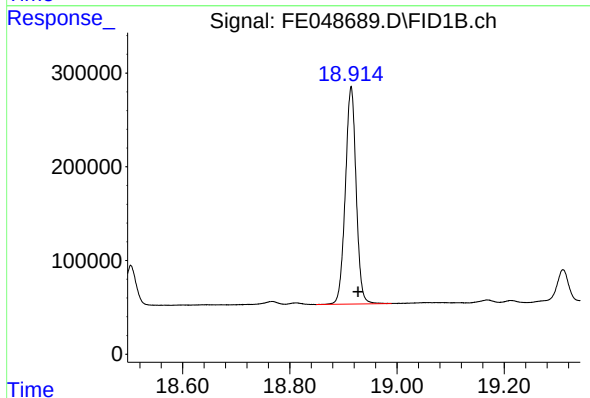
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.014 min
Response: 3142369
Conc: 23.46 ug/ml

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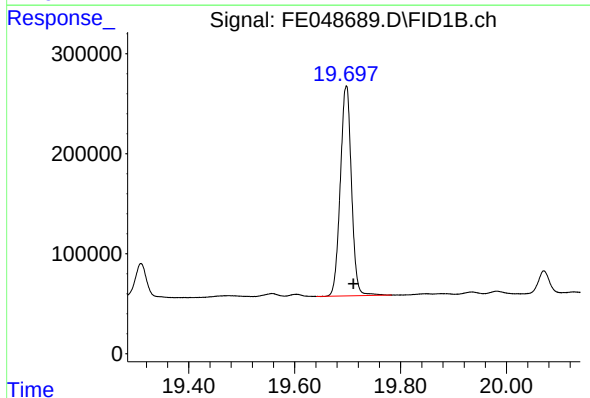
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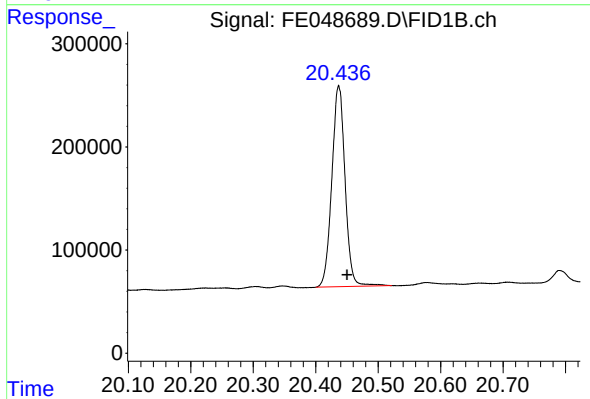
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.013 min
Response: 3242252
Conc: 23.89 ug/ml



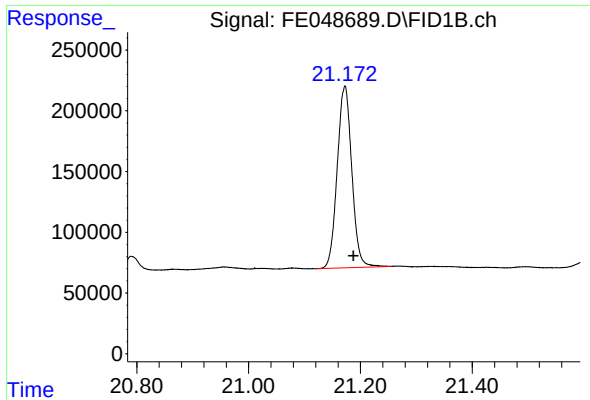
#19 n-Tetratriacontane (C34)

R.T.: 19.698 min
Delta R.T.: -0.013 min
Response: 3073445
Conc: 22.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: -0.014 min
Response: 2870815
Conc: 21.12 ug/ml



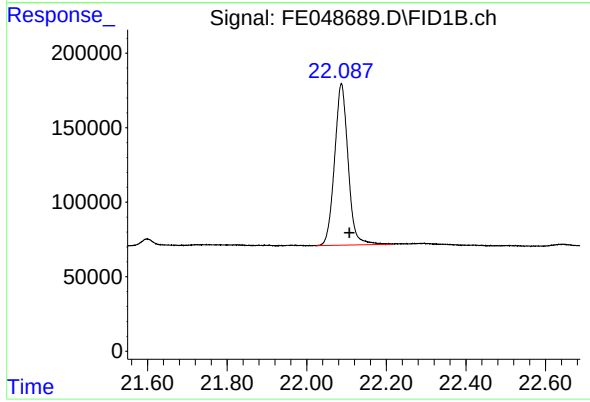
#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: -0.015 min
Response: 2707406
Conc: 19.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.021 min
Response: 2560278
Conc: 18.70 ug/ml m