

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061324AL\
 Data File : FE048713.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jun 2024 00:13
 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 06/14/2024
 Supervised By :Ankita Jodhani 06/14/2024

Integration File: autoint1.e
 Quant Time: Jun 14 01:22:33 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	2641924	18.398 ug/ml
Spiked Amount 50.000		Recovery =	36.80%
12) S 1-chlorooctadecane (S...	13.373	1988956	18.257 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.327	2431389	16.263 ug/ml
2) T n-Decane (C10)	4.576	2631708	17.428 ug/ml
3) T A~Naphthalene (C11.7)	6.281	2588401	17.384 ug/ml
4) T n-Dodecane (C12)	6.742	2636426	17.811 ug/ml
5) T A~2-methylnaphthalene...	7.377	2454843	17.705 ug/ml
6) T n-Tetradecane (C14)	8.569	2561604	18.061 ug/ml
7) T n-Hexadecane (C16)	10.176	2587306	18.352 ug/ml
8) T n-Octadecane (C18)	11.619	2560653	18.437 ug/ml
10) T n-Eicosane (C20)	12.928	2431708	18.375 ug/ml
11) T n-Heneicosane (C21)	13.539	2379354	18.369 ug/ml
13) T n-Docosane (C22)	14.126	2380873	18.476 ug/ml
14) T n-Tetracosane (C24)	15.227	2450458	18.915 ug/ml
15) T n-Hexacosane (C26)	16.247	2467541	19.039 ug/ml
16) T n-Octacosane (C28)	17.196	2586147	20.008 ug/ml
17) T n-Tricontane (C30)	18.082	2899910	21.647 ug/ml
18) T n-Dotriacontane (C32)	18.916	3034437	22.355 ug/ml
19) T n-Tetratriacontane (C34)	19.697	2877568	21.035 ug/ml
20) T n-Hexatriacontane (C36)	20.437	2676322	19.688 ug/ml
21) T n-Octatriacontane (C38)	21.173	2555505	18.739 ug/ml
22) T n-Tetracontane (C40)	22.087	2549703	18.622 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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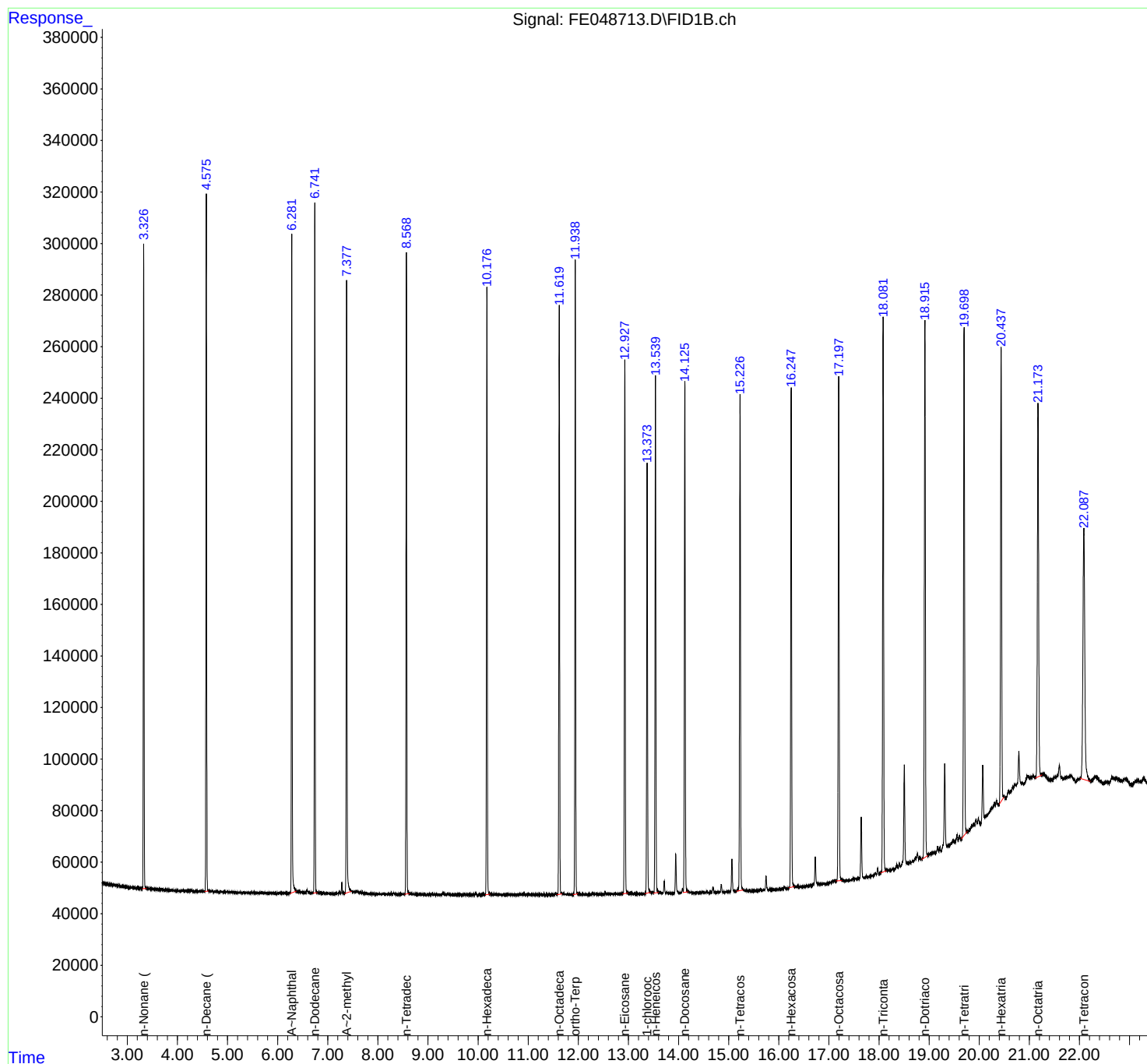
Instrument :
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20 PPM ALIPHATIC HC STD

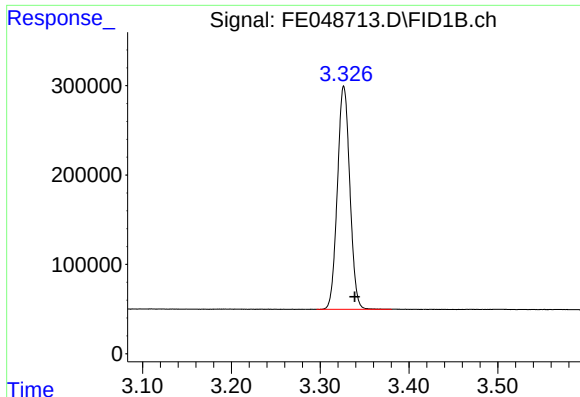
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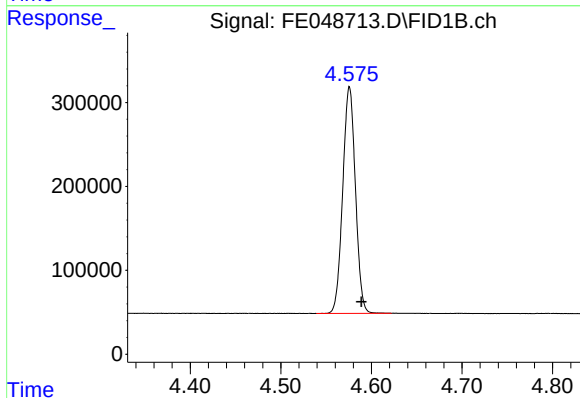
#1 n-Nonane (C9)

R.T.: 3.327 min
Delta R.T.: -0.012 min
Response: 2431389
Conc: 16.26 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

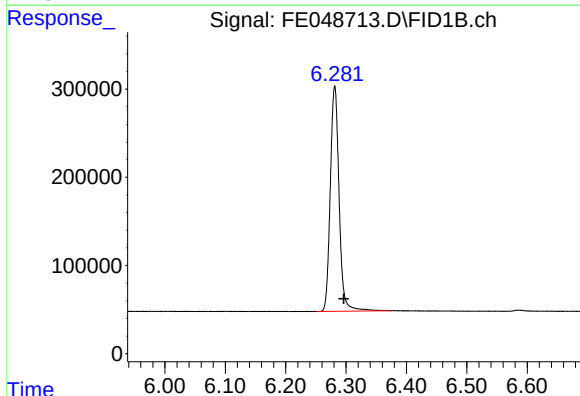
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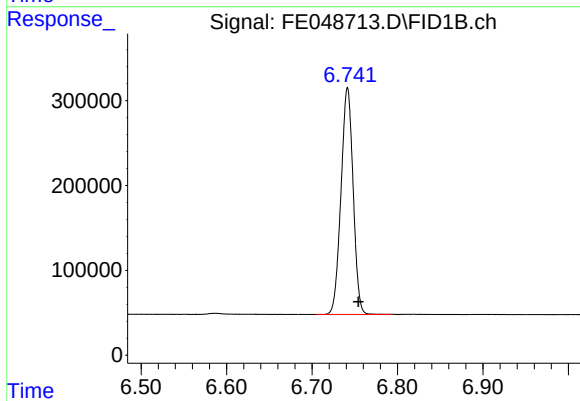
#2 n-Decane (C10)

R.T.: 4.576 min
Delta R.T.: -0.013 min
Response: 2631708
Conc: 17.43 ug/ml



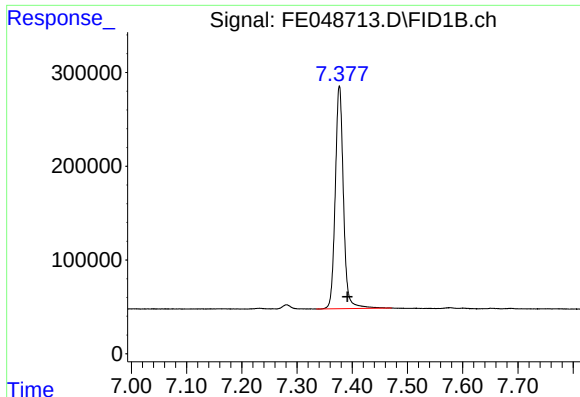
#3 A~Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: -0.015 min
Response: 2588401
Conc: 17.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.742 min
Delta R.T.: -0.013 min
Response: 2636426
Conc: 17.81 ug/ml



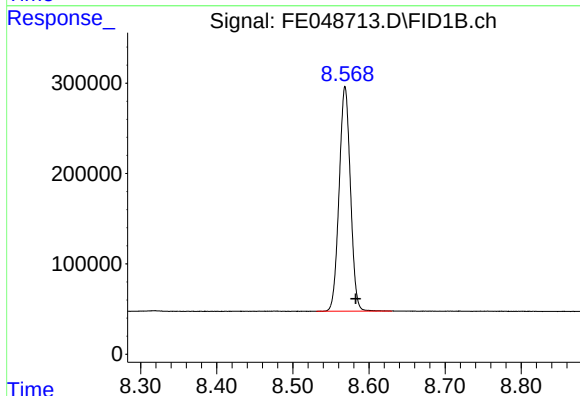
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: -0.015 min
Response: 2454843
Conc: 17.70 ug/ml

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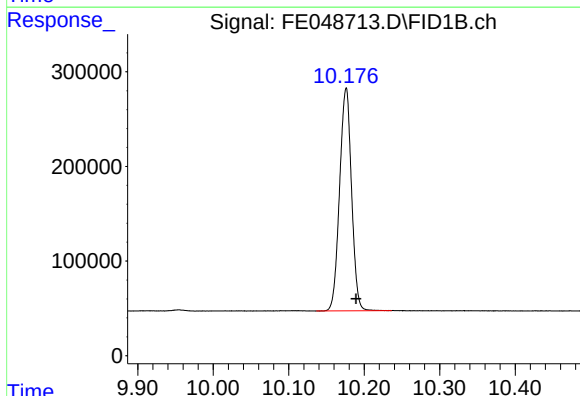
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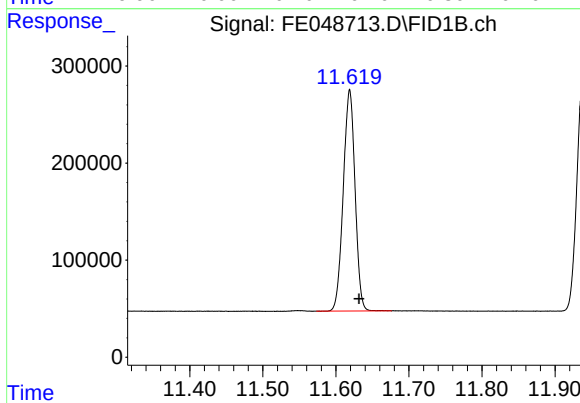
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.014 min
Response: 2561604
Conc: 18.06 ug/ml



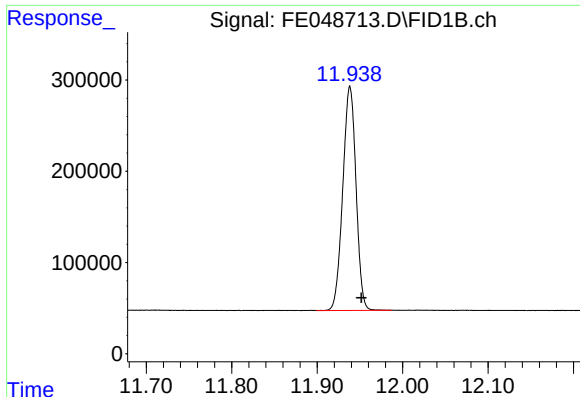
#7 n-Hexadecane (C16)

R.T.: 10.176 min
Delta R.T.: -0.013 min
Response: 2587306
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.013 min
Response: 2560653
Conc: 18.44 ug/ml



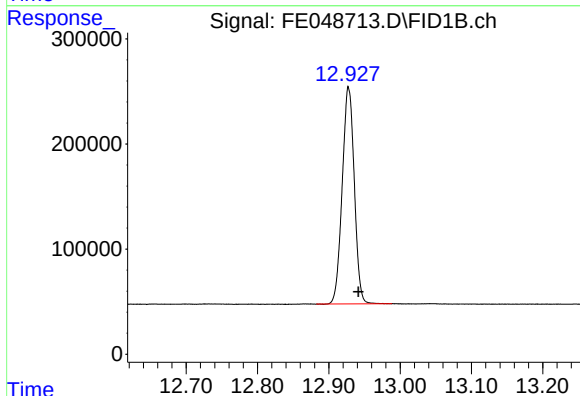
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.014 min
Response: 2641924
Conc: 18.40 ug/ml

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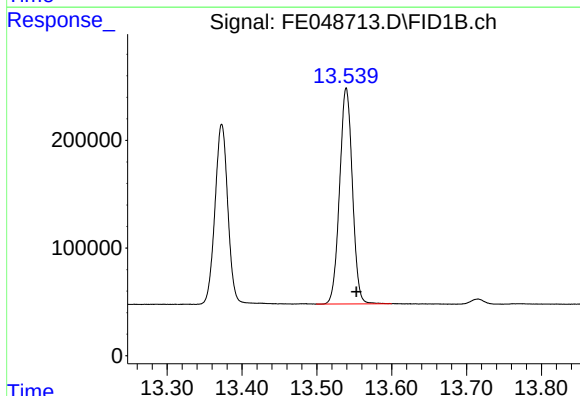
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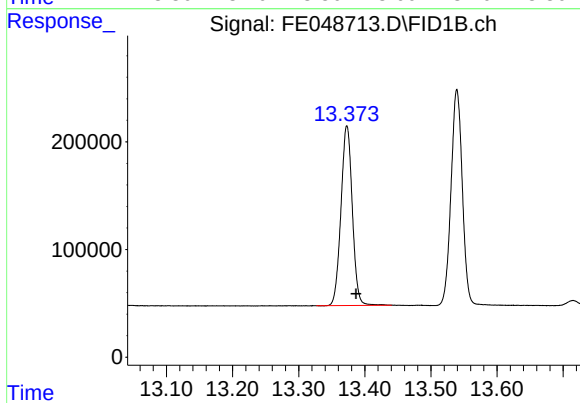
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.014 min
Response: 2431708
Conc: 18.38 ug/ml



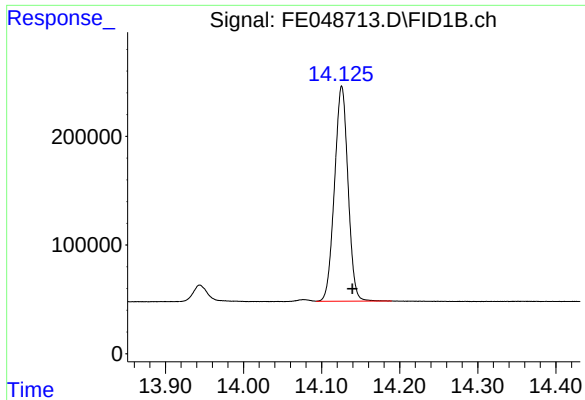
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.014 min
Response: 2379354
Conc: 18.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.014 min
Response: 1988956
Conc: 18.26 ug/ml



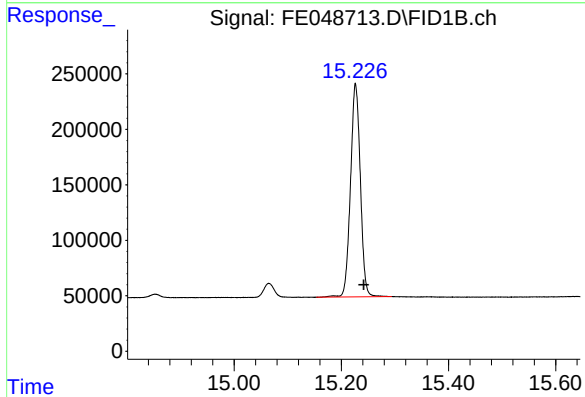
#13 n-Docosane (C22)

R.T.: 14.126 min
Delta R.T.: -0.014 min
Response: 2380873
Conc: 18.48 ug/ml

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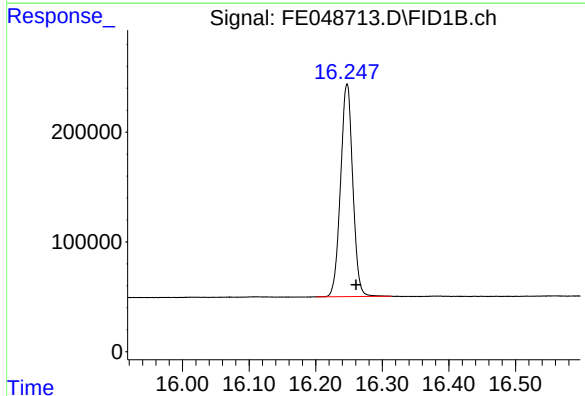
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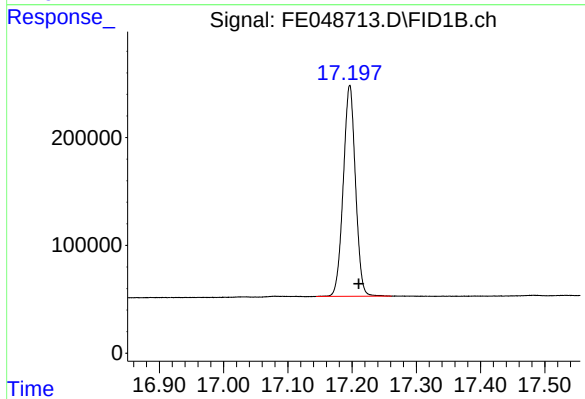
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: -0.015 min
Response: 2450458
Conc: 18.92 ug/ml



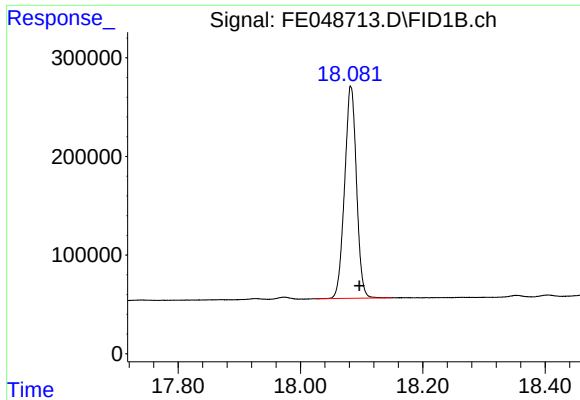
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.013 min
Response: 2467541
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.014 min
Response: 2586147
Conc: 20.01 ug/ml



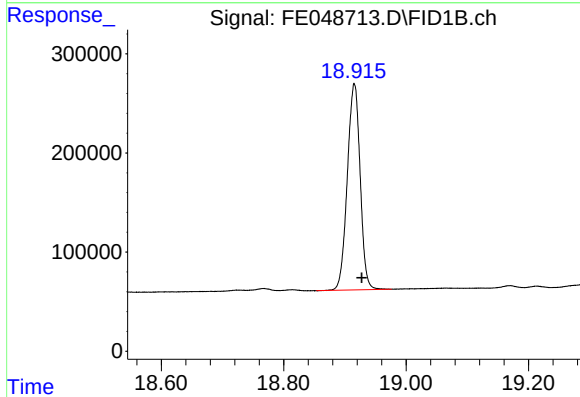
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.014 min
Response: 2899910
Conc: 21.65 ug/ml

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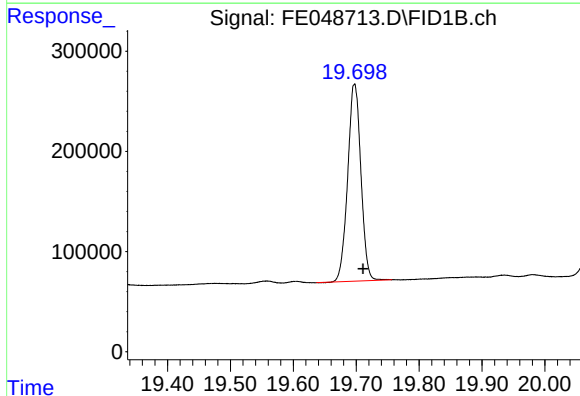
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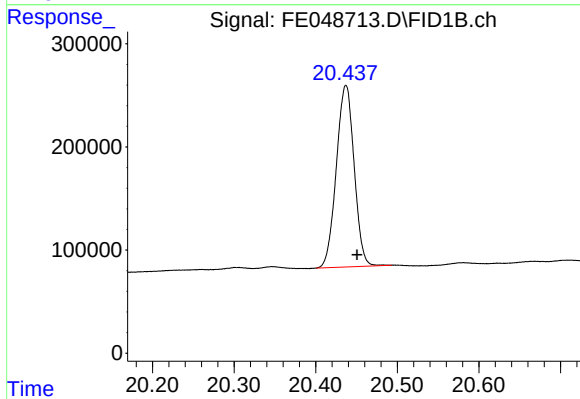
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: -0.012 min
Response: 3034437
Conc: 22.35 ug/ml



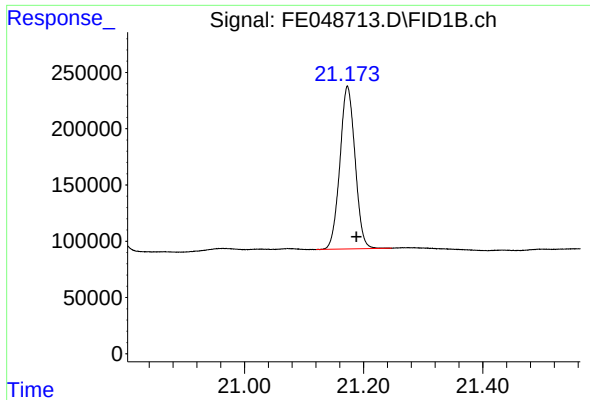
#19 n-Tetratriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.014 min
Response: 2877568
Conc: 21.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: -0.013 min
Response: 2676322
Conc: 19.69 ug/ml



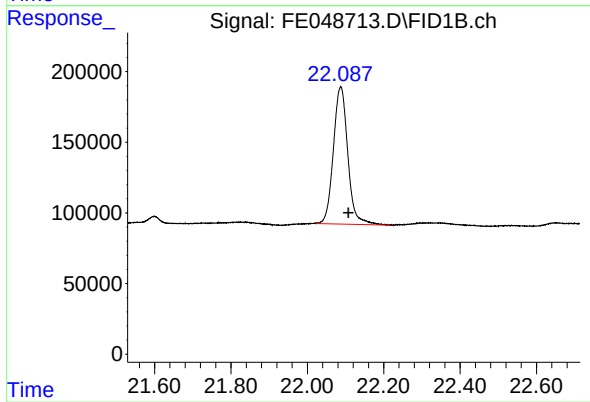
#21 n-Octatriacontane (C38)

R.T.: 21.173 min
Delta R.T.: -0.015 min
Response: 2555505
Conc: 18.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.020 min
Response: 2549703
Conc: 18.62 ug/ml m