

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061024AL\
 Data File : FE048641.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2024 22:28
 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 06/11/2024
 Supervised By :Ankita Jodhani 06/11/2024

Integration File: autoint1.e
 Quant Time: Jun 10 23:30:52 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)	11.942	2487229	17.321 ug/ml
Spiked Amount 50.000		Recovery =	34.64%
12) S 1-chlorooctadecane (S...	13.377	1858892	17.063 ug/ml
Spiked Amount 50.000		Recovery =	34.13%
Target Compounds			
1) T n-Nonane (C9)	3.329	2318375	15.507 ug/ml
2) T n-Decane (C10)	4.579	2480083	16.424 ug/ml
3) T A~Naphthalene (C11.7)	6.285	2457991	16.508 ug/ml
4) T n-Dodecane (C12)	6.744	2478940	16.747 ug/ml
5) T A~2-methylnaphthalene...	7.381	2339520	16.873 ug/ml
6) T n-Tetradecane (C14)	8.573	2408701	16.983 ug/ml
7) T n-Hexadecane (C16)	10.180	2443182	17.330 ug/ml
8) T n-Octadecane (C18)	11.622	2417263	17.405 ug/ml
10) T n-Eicosane (C20)	12.931	2294554	17.339 ug/ml
11) T n-Heneicosane (C21)	13.543	2231480	17.228 ug/ml
13) T n-Docosane (C22)	14.129	2231301	17.315 ug/ml
14) T n-Tetracosane (C24)	15.232	2278389	17.587 ug/ml
15) T n-Hexacosane (C26)	16.252	2280498	17.596 ug/ml
16) T n-Octacosane (C28)	17.200	2374509	18.371 ug/mlm
17) T n-Tricontane (C30)	18.088	2635294	19.672 ug/ml
18) T n-Dotriacontane (C32)	18.920	2760876	20.339 ug/ml
19) T n-Tetratriacontane (C34)	19.702	2633367	19.250 ug/ml
20) T n-Hexatriacontane (C36)	20.443	2505473	18.431 ug/ml
21) T n-Octatriacontane (C38)	21.179	2343536	17.185 ug/ml
22) T n-Tetracontane (C40)	22.096	2268616	16.569 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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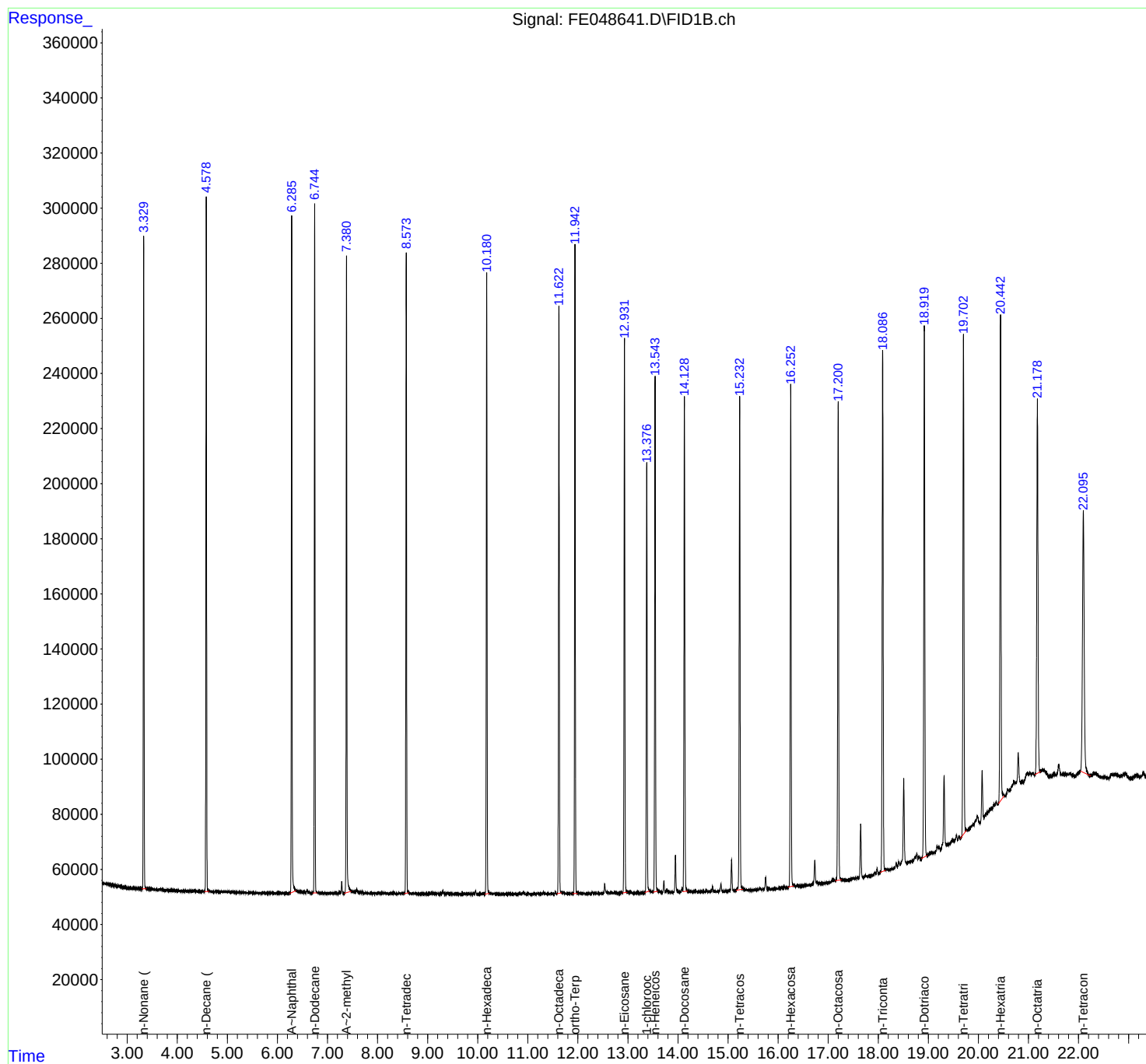
Instrument :
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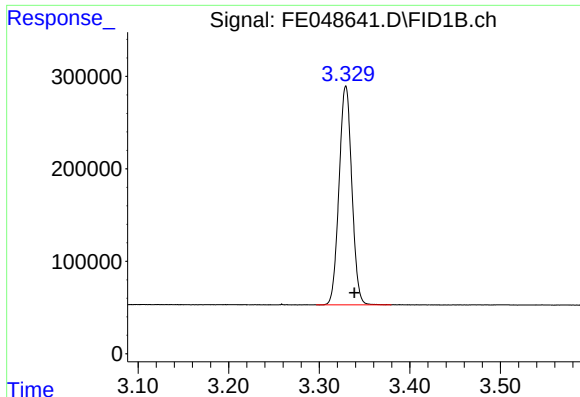
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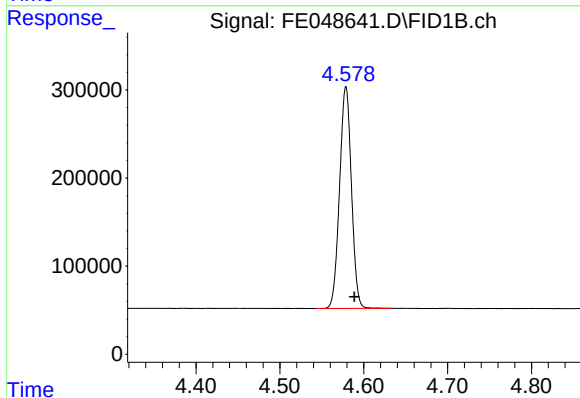
#1 n-Nonane (C9)

R.T.: 3.329 min
Delta R.T.: -0.010 min
Response: 2318375
Conc: 15.51 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

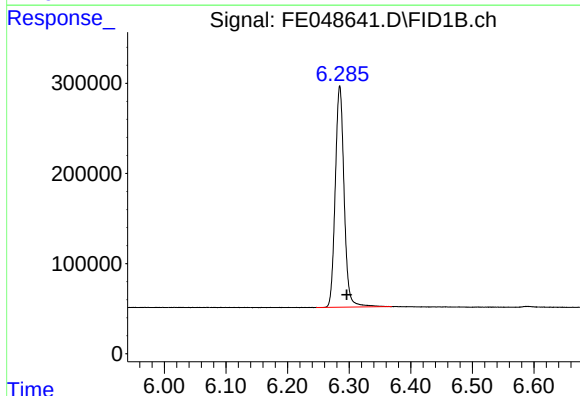
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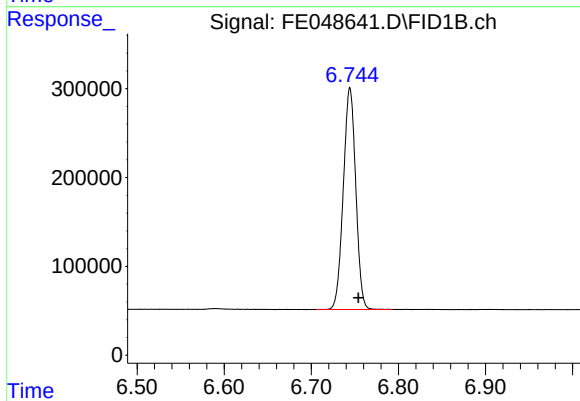
#2 n-Decane (C10)

R.T.: 4.579 min
Delta R.T.: -0.010 min
Response: 2480083
Conc: 16.42 ug/ml



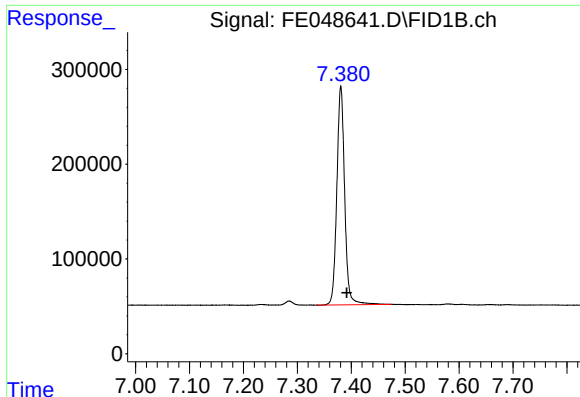
#3 A~Naphthalene (C11.7)

R.T.: 6.285 min
Delta R.T.: -0.011 min
Response: 2457991
Conc: 16.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.744 min
Delta R.T.: -0.010 min
Response: 2478940
Conc: 16.75 ug/ml



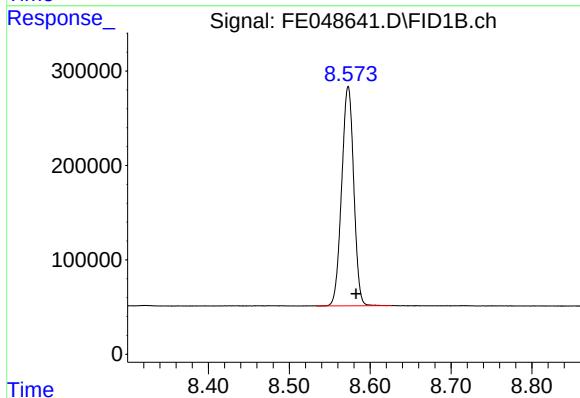
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: -0.011 min
Response: 2339520
Conc: 16.87 ug/ml

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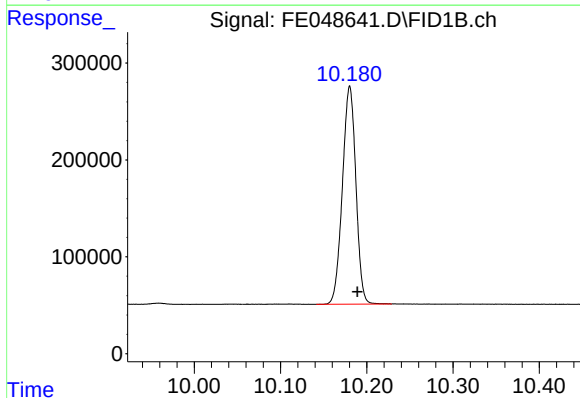
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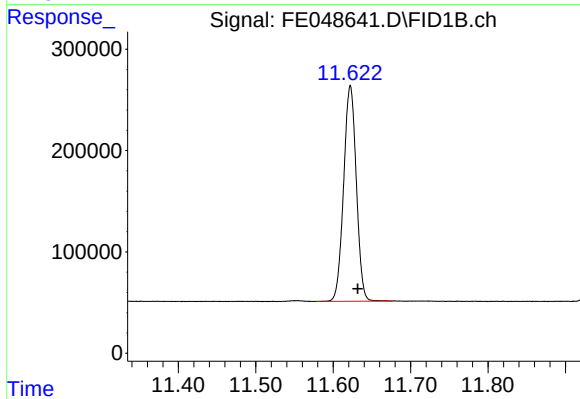
#6 n-Tetradecane (C14)

R.T.: 8.573 min
Delta R.T.: -0.010 min
Response: 2408701
Conc: 16.98 ug/ml



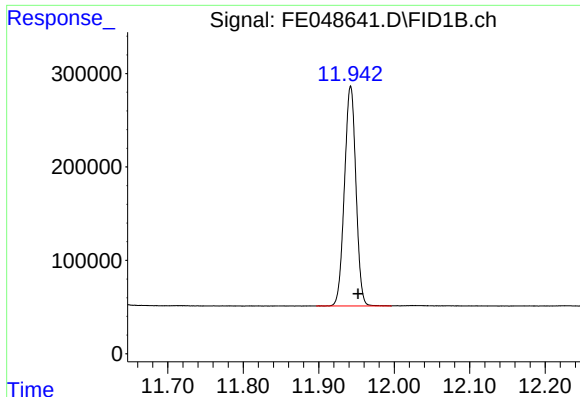
#7 n-Hexadecane (C16)

R.T.: 10.180 min
Delta R.T.: -0.009 min
Response: 2443182
Conc: 17.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.622 min
Delta R.T.: -0.010 min
Response: 2417263
Conc: 17.40 ug/ml



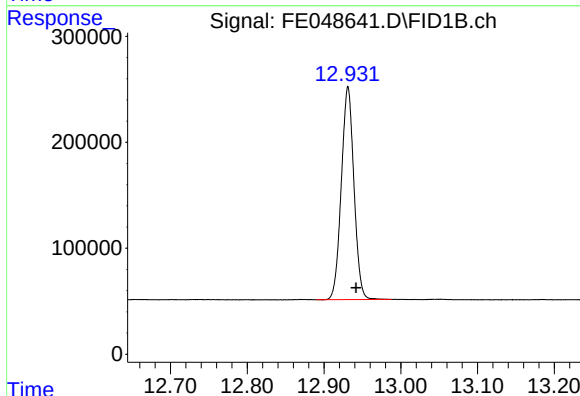
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.010 min
Response: 2487229
Conc: 17.32 ug/ml

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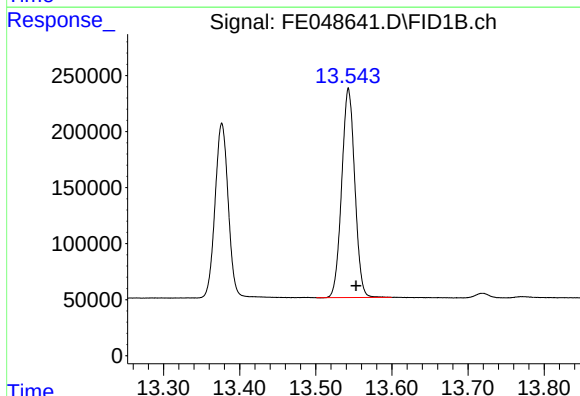
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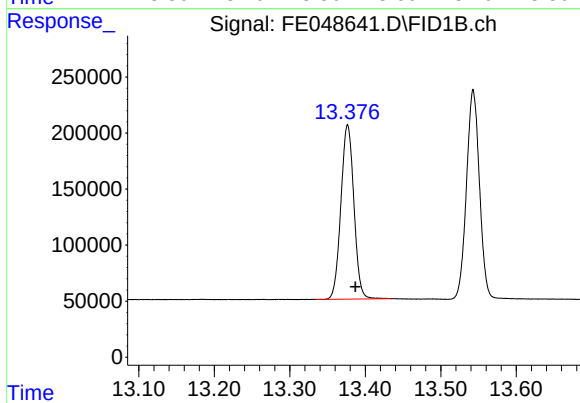
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: -0.010 min
Response: 2294554
Conc: 17.34 ug/ml



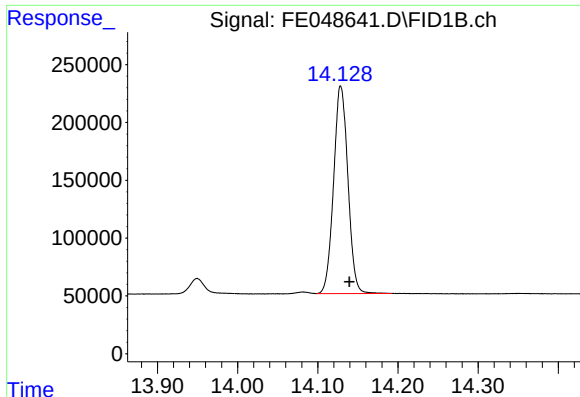
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.010 min
Response: 2231480
Conc: 17.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.010 min
Response: 1858892
Conc: 17.06 ug/ml



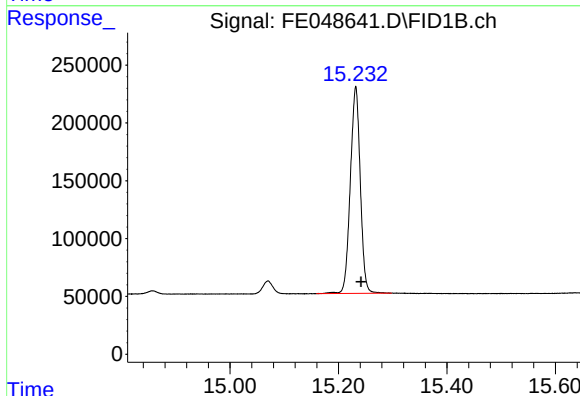
#13 n-Docosane (C22)

R.T.: 14.129 min
Delta R.T.: -0.011 min
Response: 2231301
Conc: 17.32 ug/ml

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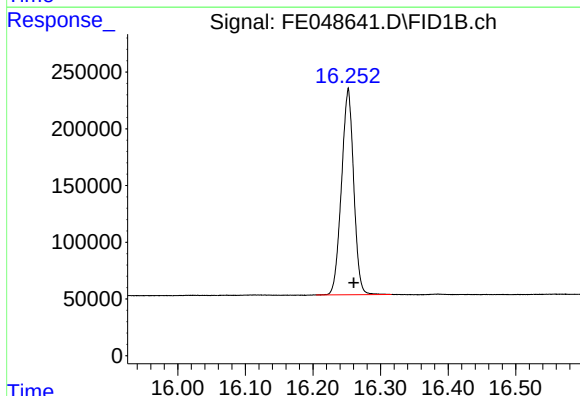
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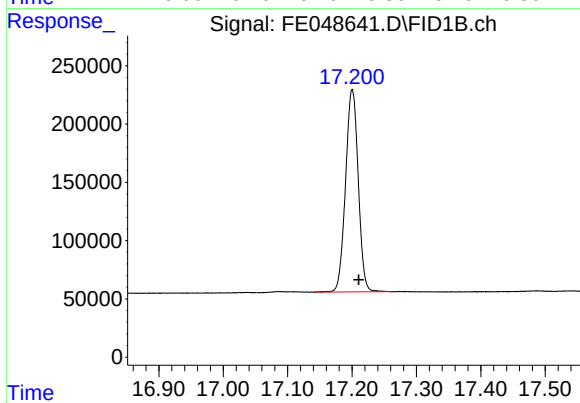
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: -0.010 min
Response: 2278389
Conc: 17.59 ug/ml



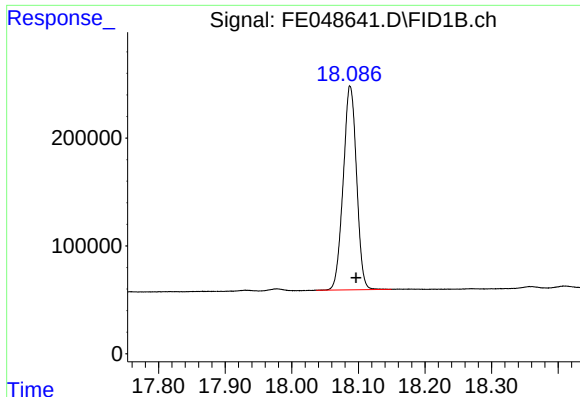
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: -0.008 min
Response: 2280498
Conc: 17.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: -0.010 min
Response: 2374509
Conc: 18.37 ug/ml m



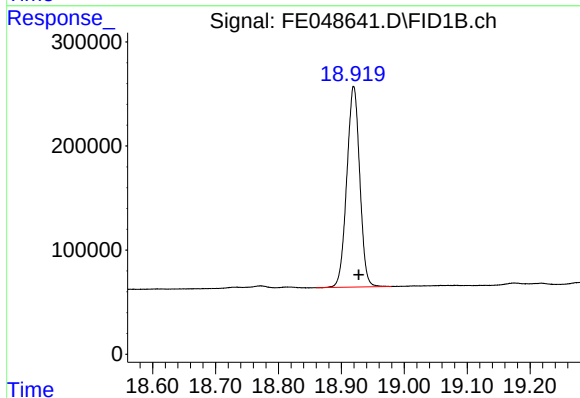
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.009 min
Response: 2635294
Conc: 19.67 ug/ml

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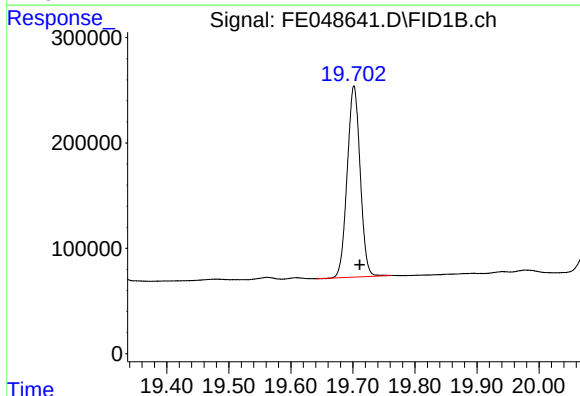
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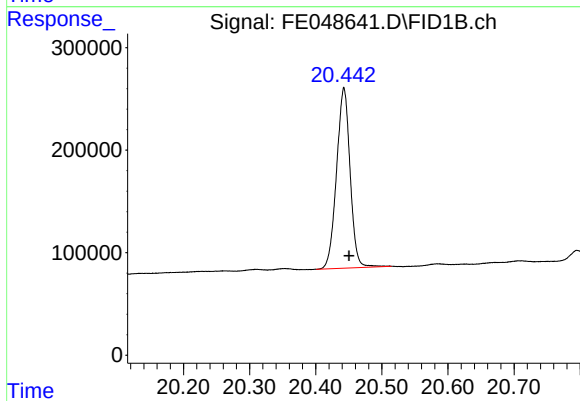
#18 n-Dotriacontane (C32)

R.T.: 18.920 min
Delta R.T.: -0.008 min
Response: 2760876
Conc: 20.34 ug/ml



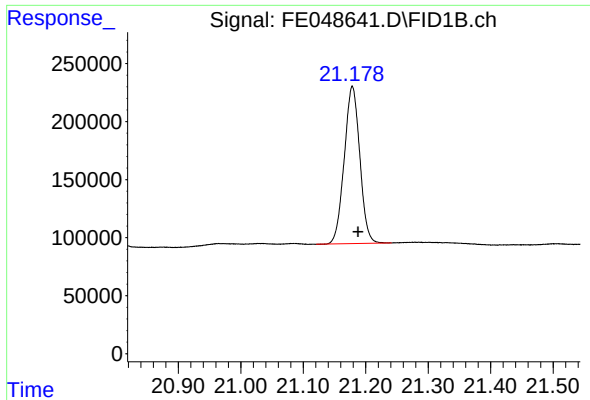
#19 n-Tetratriacontane (C34)

R.T.: 19.702 min
Delta R.T.: -0.009 min
Response: 2633367
Conc: 19.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.443 min
Delta R.T.: -0.008 min
Response: 2505473
Conc: 18.43 ug/ml



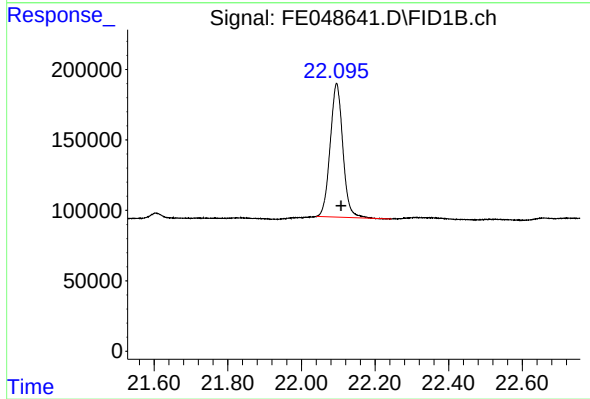
#21 n-Octatriacontane (C38)

R.T.: 21.179 min
Delta R.T.: -0.009 min
Response: 2343536
Conc: 17.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.096 min
Delta R.T.: -0.012 min
Response: 2268616
Conc: 16.57 ug/ml