

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE093024AL\
 Data File : FE050446.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2024 21:03
 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 10/01/2024
 Supervised By :Ankita Jodhani 10/01/2024

Integration File: autoint1.e
 Quant Time: Oct 01 02:07:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.864	2574427	17.304 ug/ml
Spiked Amount 50.000		Recovery =	34.61%
12) S 1-chlorooctadecane (S...	13.298	1957989	17.431 ug/ml
Spiked Amount 50.000		Recovery =	34.86%
Target Compounds			
1) T n-Nonane (C9)	3.254	2297260	16.948 ug/ml
2) T n-Decane (C10)	4.505	2396262	17.363 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2422831	17.310 ug/ml
4) T n-Dodecane (C12)	6.671	2401668	17.368 ug/mlm
5) T A~2-methylnaphthalene...	7.310	2265251	17.234 ug/ml
6) T n-Tetradecane (C14)	8.498	2385937	17.522 ug/ml
7) T n-Hexadecane (C16)	10.104	2481964	17.868 ug/ml
8) T n-Octadecane (C18)	11.545	2512030	17.930 ug/ml
10) T n-Eicosane (C20)	12.852	2407765	17.949 ug/mlm
11) T n-Heneicosane (C21)	13.464	2363601	17.988 ug/ml
13) T n-Docosane (C22)	14.049	2362096	18.140 ug/ml
14) T n-Tetracosane (C24)	15.150	2426263	18.579 ug/ml
15) T n-Hexacosane (C26)	16.169	2396065	18.728 ug/mlm
16) T n-Octacosane (C28)	17.118	2523386	19.590 ug/ml
17) T n-Tricontane (C30)	18.004	2749719	20.563 ug/ml
18) T n-Dotriacontane (C32)	18.836	2851405	21.398 ug/ml
19) T n-Tetratriacontane (C34)	19.619	2811697	22.756 ug/ml
20) T n-Hexatriacontane (C36)	20.357	2684208	24.193 ug/ml
21) T n-Octatriacontane (C38)	21.082	2547441	23.100 ug/mlm
22) T n-Tetracontane (C40)	21.966	2234259	20.533 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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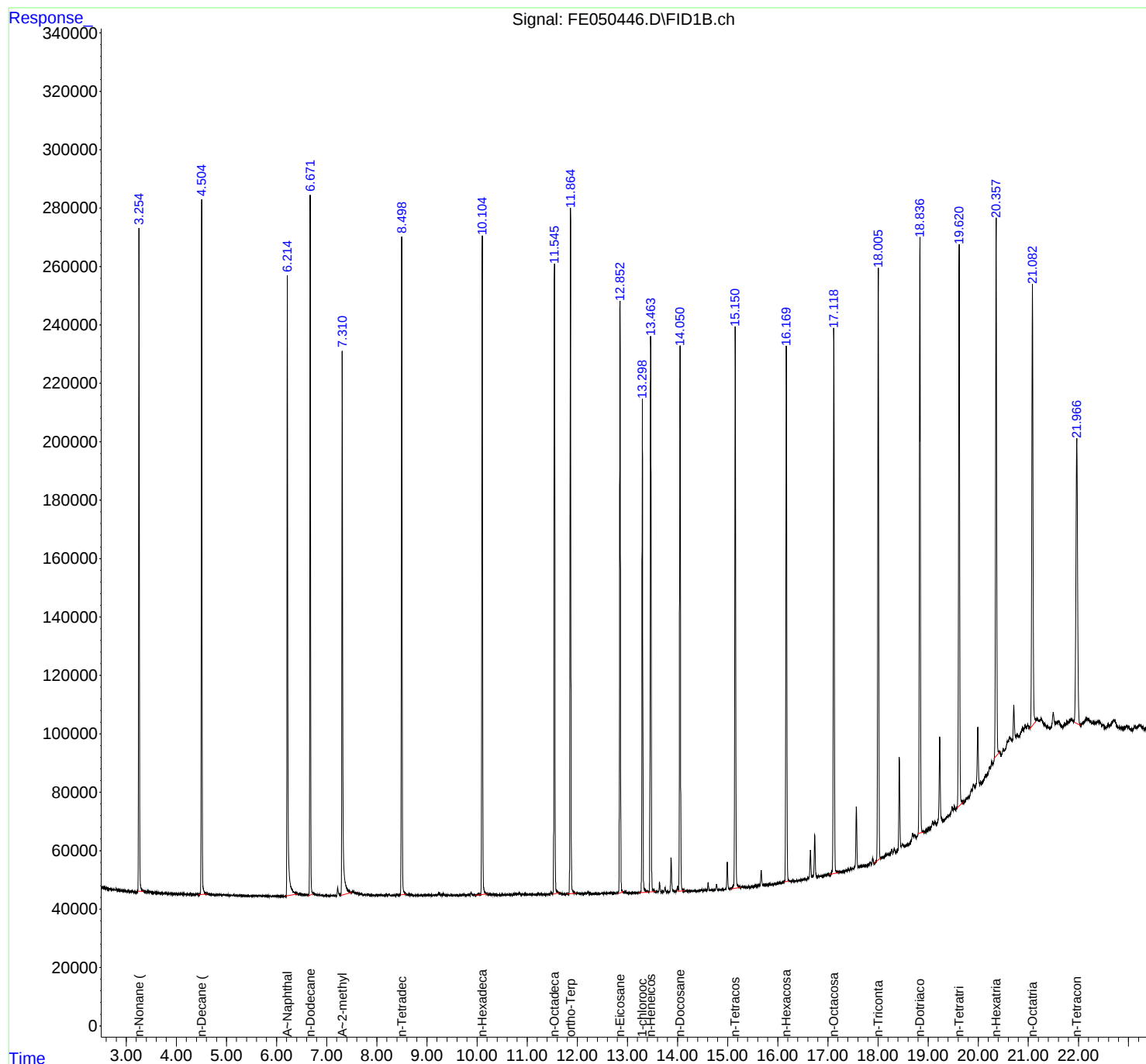
Instrument :
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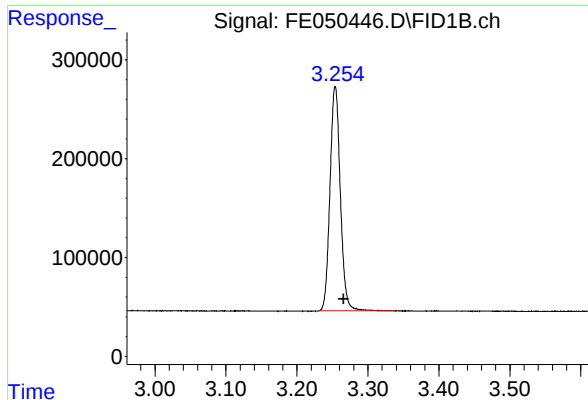
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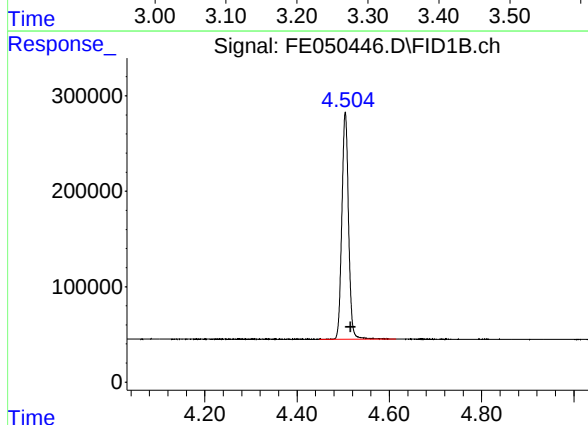
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: -0.012 min
Response: 2297260
Conc: 16.95 ug/ml

Instrument :
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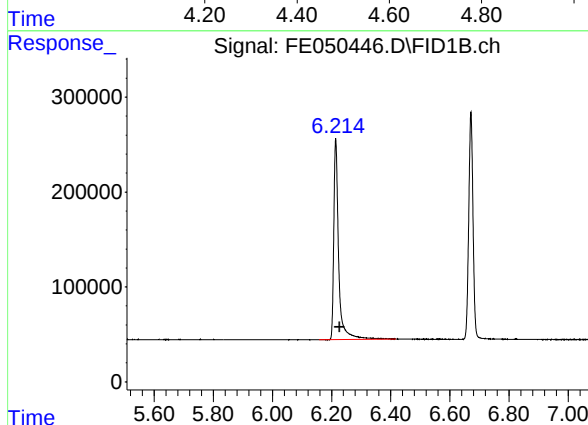
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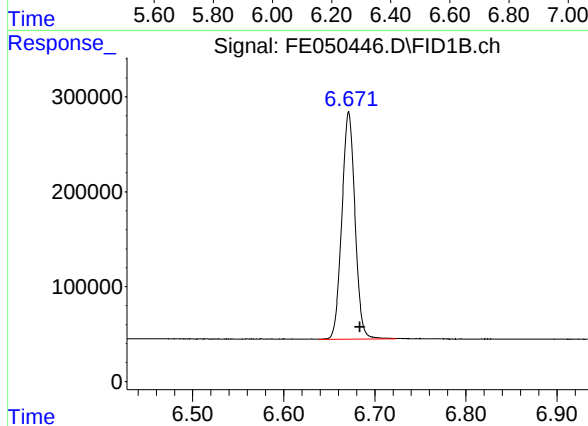
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 2396262
Conc: 17.36 ug/ml



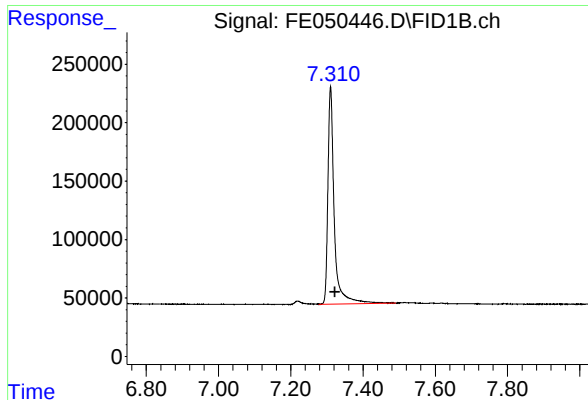
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.013 min
Response: 2422831
Conc: 17.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.671 min
Delta R.T.: -0.013 min
Response: 2401668
Conc: 17.37 ug/ml m



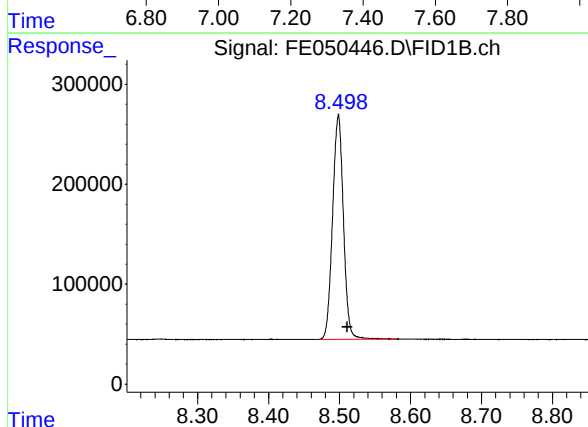
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.013 min
Response: 2265251
Conc: 17.23 ug/ml

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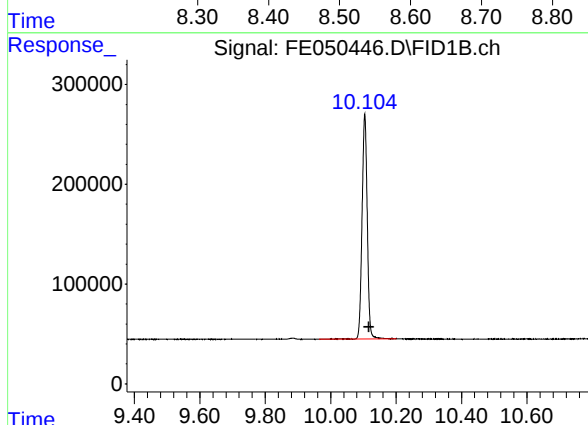
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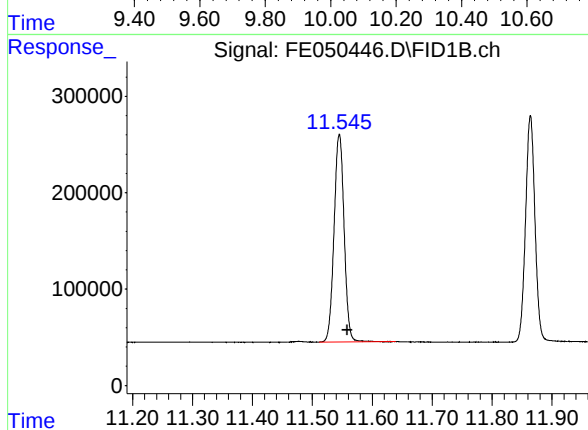
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.012 min
Response: 2385937
Conc: 17.52 ug/ml



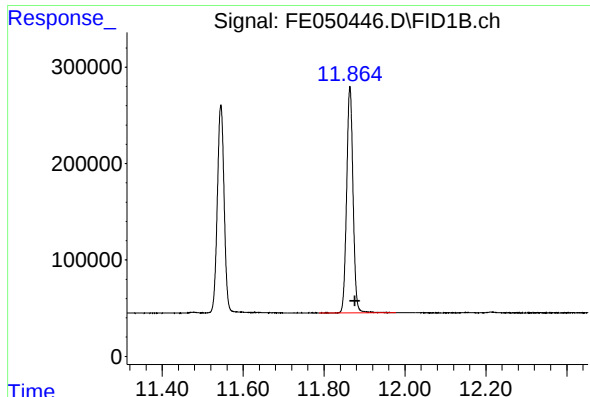
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.013 min
Response: 2481964
Conc: 17.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.014 min
Response: 2512030
Conc: 17.93 ug/ml



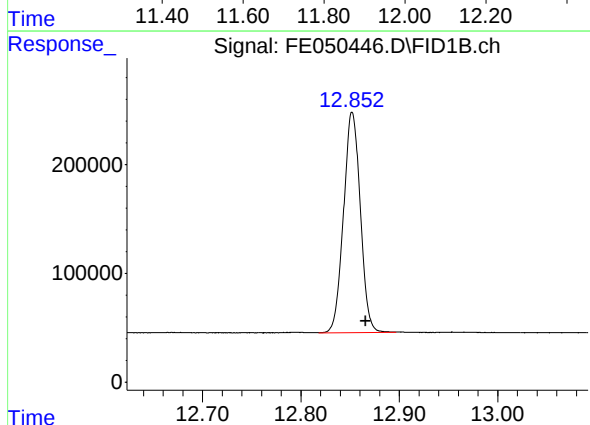
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: -0.012 min
Response: 2574427
Conc: 17.30 ug/ml

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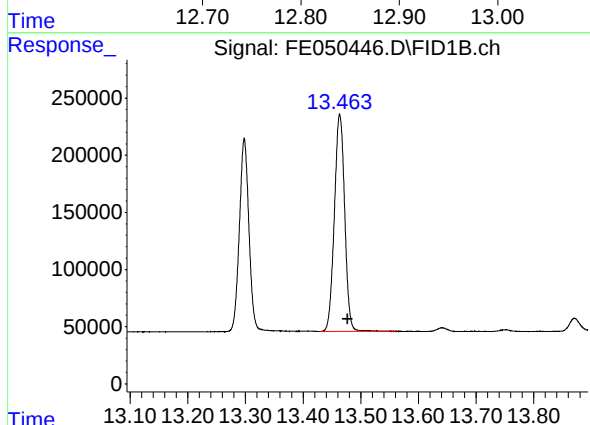
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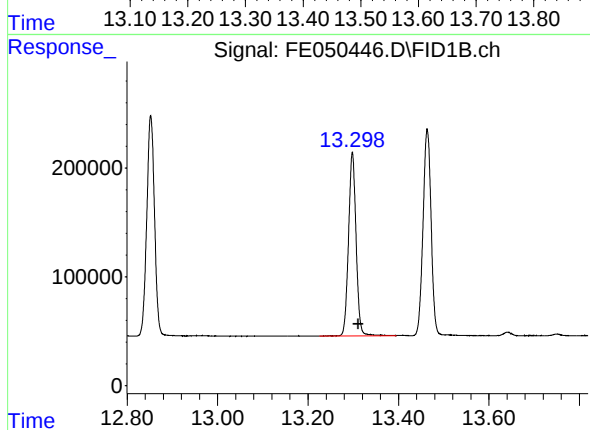
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.014 min
Response: 2407765
Conc: 17.95 ug/ml m



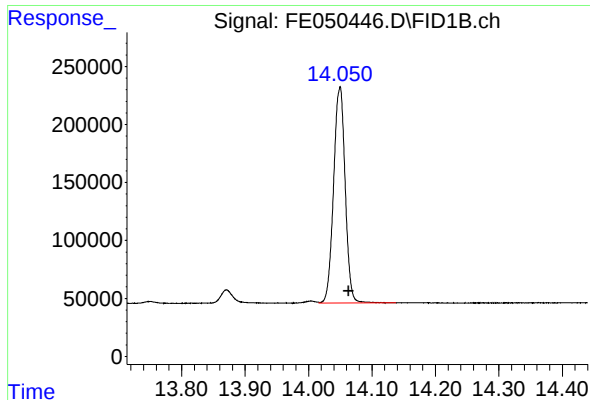
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: -0.014 min
Response: 2363601
Conc: 17.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.013 min
Response: 1957989
Conc: 17.43 ug/ml



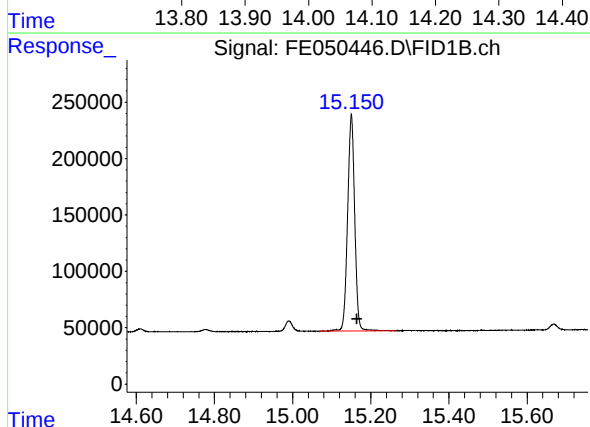
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: -0.014 min
Response: 2362096
Conc: 18.14 ug/ml

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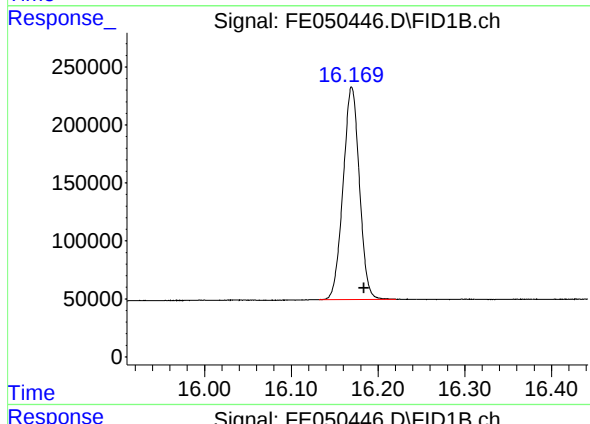
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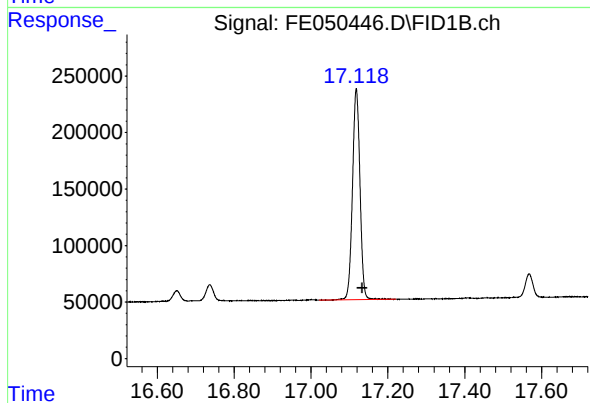
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.014 min
Response: 2426263
Conc: 18.58 ug/ml



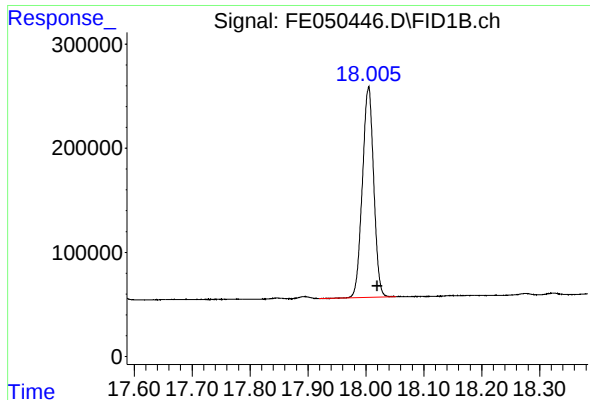
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.015 min
Response: 2396065
Conc: 18.73 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: -0.015 min
Response: 2523386
Conc: 19.59 ug/ml



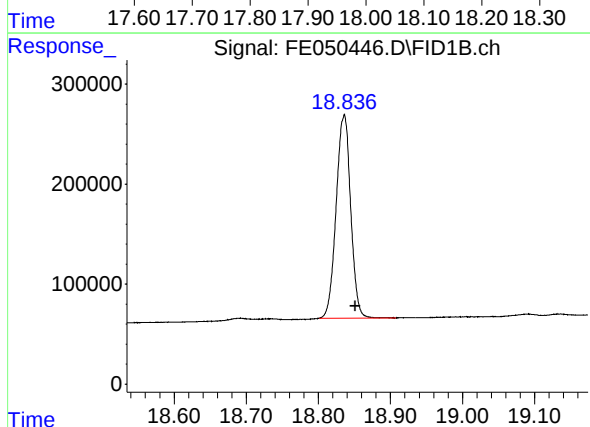
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.015 min
Response: 2749719
Conc: 20.56 ug/ml

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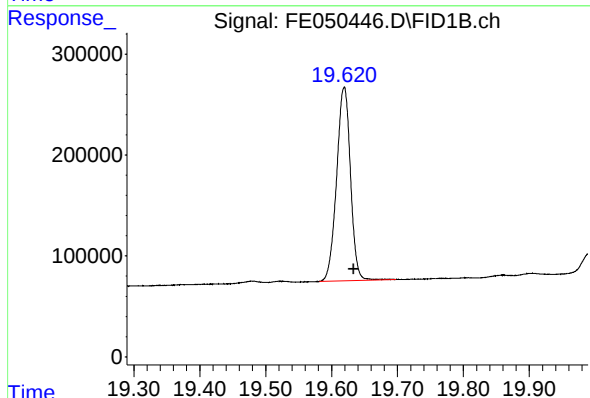
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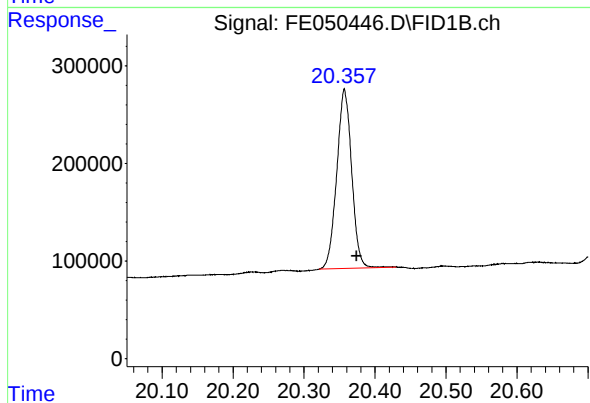
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: -0.016 min
Response: 2851405
Conc: 21.40 ug/ml



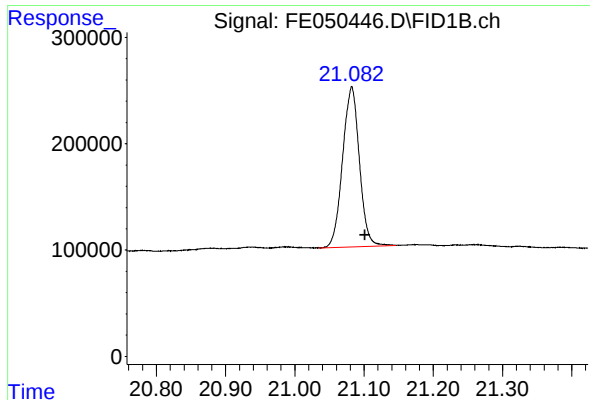
#19 n-Tetatriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.015 min
Response: 2811697
Conc: 22.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.357 min
Delta R.T.: -0.017 min
Response: 2684208
Conc: 24.19 ug/ml



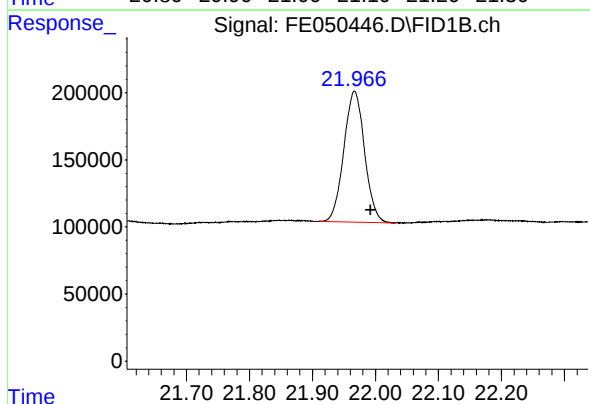
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.019 min
Response: 2547441
Conc: 23.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.026 min
Response: 2234259
Conc: 20.53 ug/ml m