

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092724AL\
 Data File : FE050423.D
 Signal(s) : FID1B.ch
 Acq On : 27 Sep 2024 21:22
 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 09/30/2024
 Supervised By :Ankita Jodhani 09/30/2024

Integration File: autoint1.e
 Quant Time: Sep 28 00:18:47 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	2587966	17.395 ug/ml
Spiked Amount 50.000		Recovery =	34.79%
12) S 1-chlorooctadecane (S...	13.298	1979412	17.622 ug/ml
Spiked Amount 50.000		Recovery =	35.24%
Target Compounds			
1) T n-Nonane (C9)	3.253	2329171	17.184 ug/ml
2) T n-Decane (C10)	4.504	2432044	17.622 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2466519	17.622 ug/ml
4) T n-Dodecane (C12)	6.670	2437627	17.628 ug/mlm
5) T A~2-methylnaphthalene...	7.309	2310964	17.582 ug/ml
6) T n-Tetradecane (C14)	8.498	2427794	17.829 ug/ml
7) T n-Hexadecane (C16)	10.103	2516738	18.119 ug/ml
8) T n-Octadecane (C18)	11.545	2544799	18.164 ug/ml
10) T n-Eicosane (C20)	12.852	2422606	18.060 ug/mlm
11) T n-Heneicosane (C21)	13.463	2378156	18.099 ug/ml
13) T n-Docosane (C22)	14.049	2370203	18.202 ug/ml
14) T n-Tetracosane (C24)	15.150	2407963	18.439 ug/ml
15) T n-Hexacosane (C26)	16.169	2388577	18.670 ug/mlm
16) T n-Octacosane (C28)	17.119	2497369	19.388 ug/mlm
17) T n-Tricontane (C30)	18.004	2727662	20.398 ug/ml
18) T n-Dotriacontane (C32)	18.837	2858091	21.448 ug/mlm
19) T n-Tetratriacontane (C34)	19.619	2812349	22.761 ug/ml
20) T n-Hexatriacontane (C36)	20.358	2732211	24.626 ug/ml
21) T n-Octatriacontane (C38)	21.081	2605580	23.627 ug/mlm
22) T n-Tetracontane (C40)	21.966	2336564	21.473 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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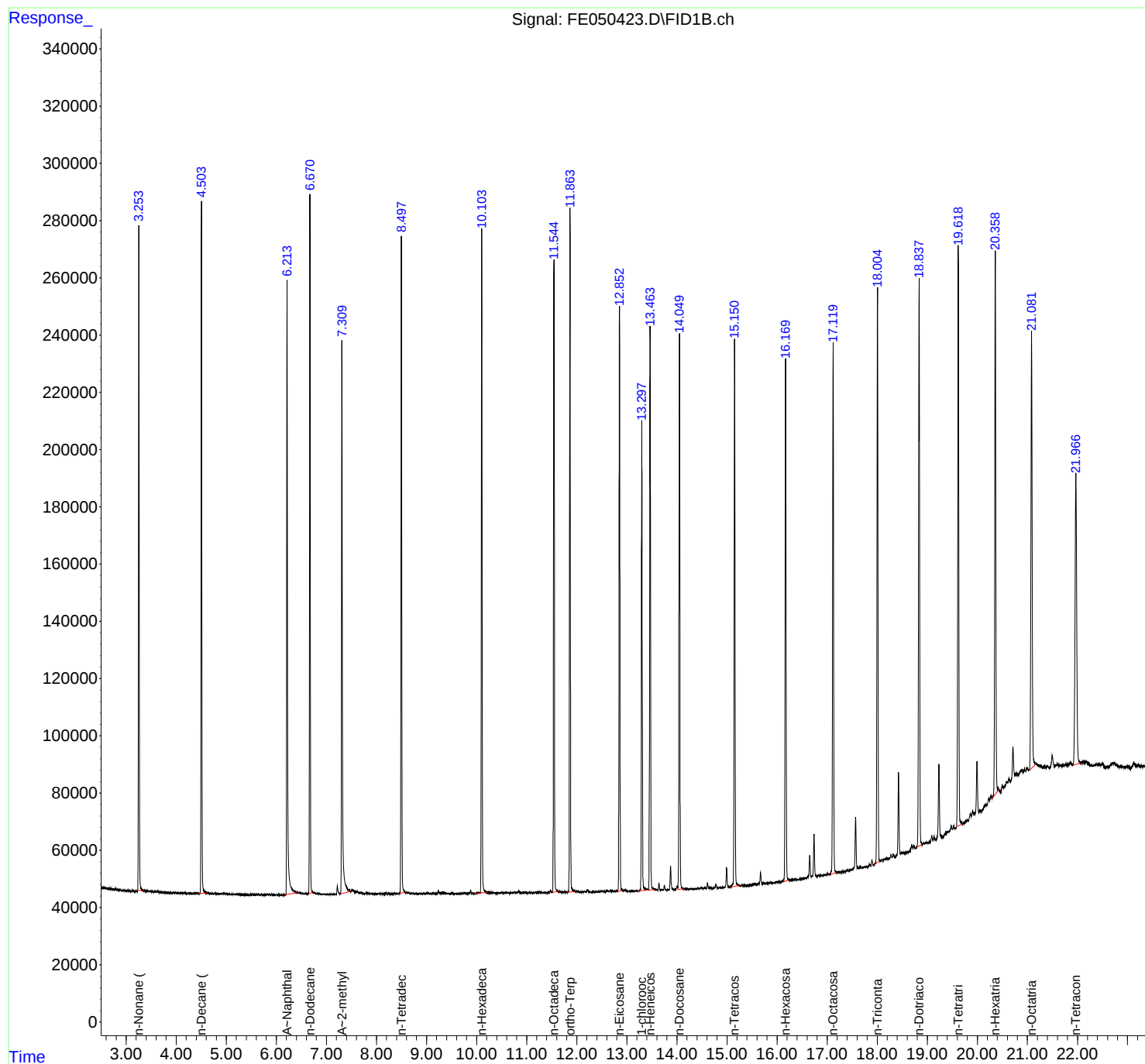
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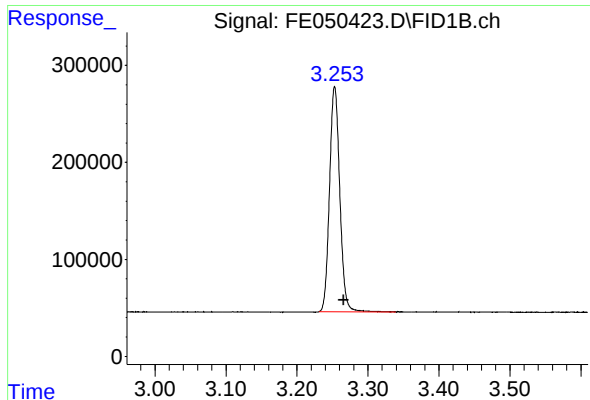
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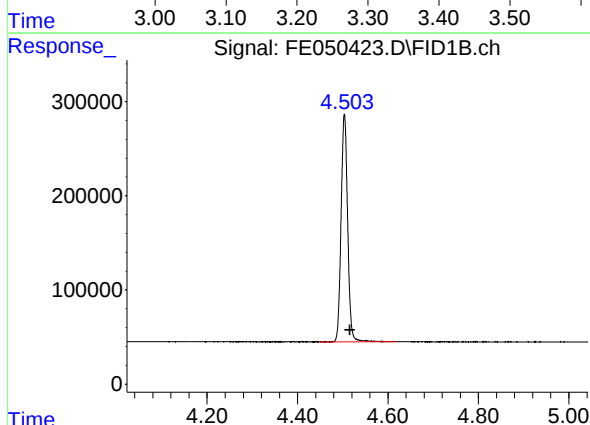
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.013 min
Response: 2329171
Conc: 17.18 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

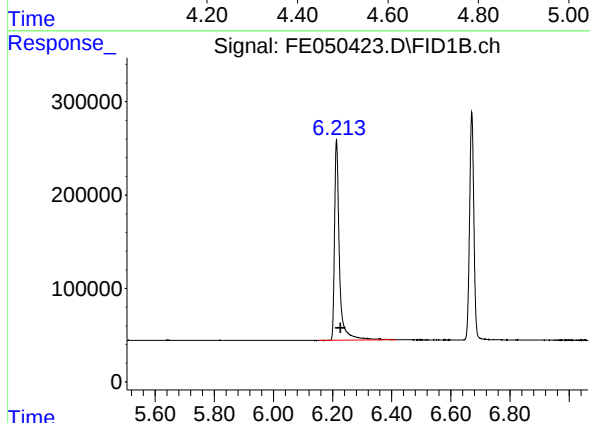
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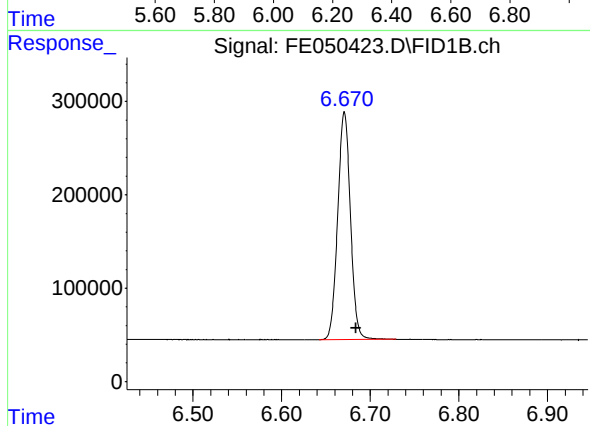
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: -0.013 min
Response: 2432044
Conc: 17.62 ug/ml



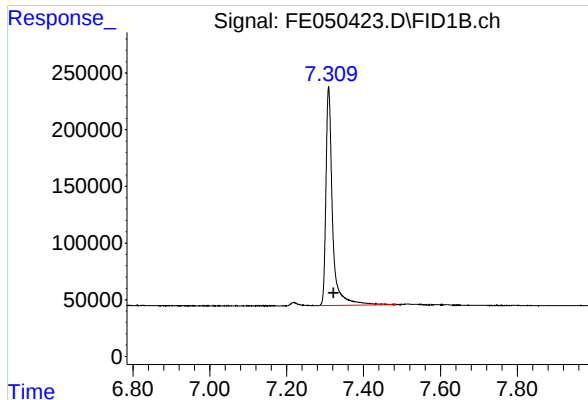
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.013 min
Response: 2466519
Conc: 17.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: -0.013 min
Response: 2437627
Conc: 17.63 ug/ml m



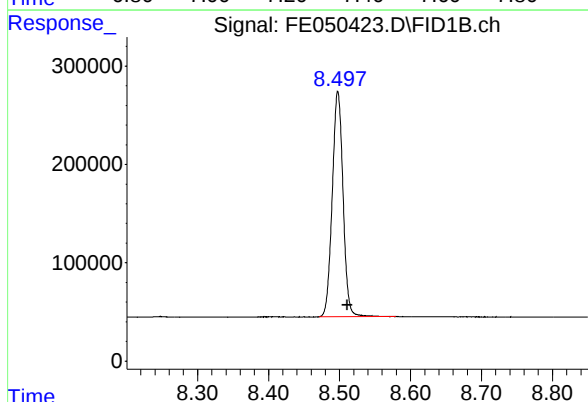
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.309 min
Delta R.T.: -0.014 min
Response: 2310964
Conc: 17.58 ug/ml

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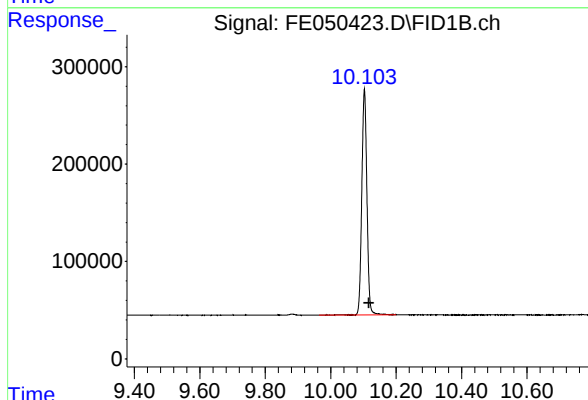
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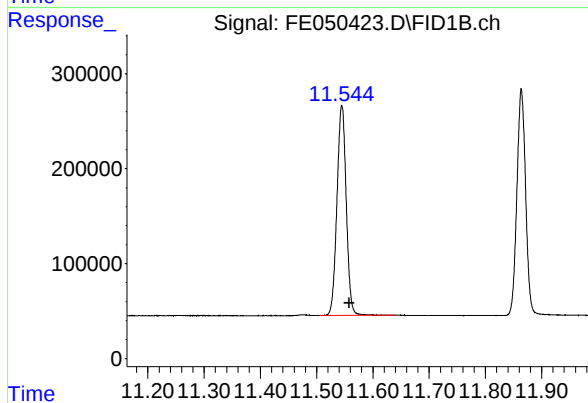
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.013 min
Response: 2427794
Conc: 17.83 ug/ml



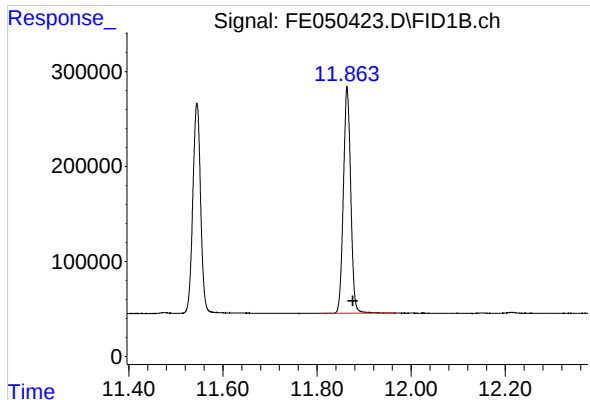
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: -0.014 min
Response: 2516738
Conc: 18.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.014 min
Response: 2544799
Conc: 18.16 ug/ml



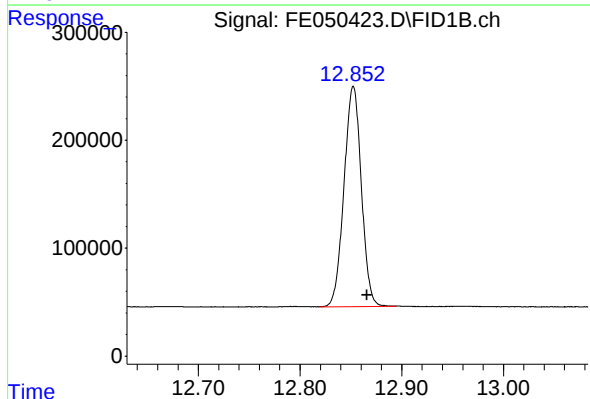
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: -0.012 min
Response: 2587966
Conc: 17.39 ug/ml

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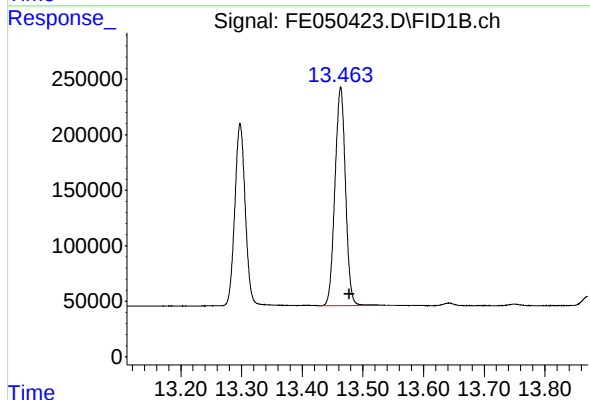
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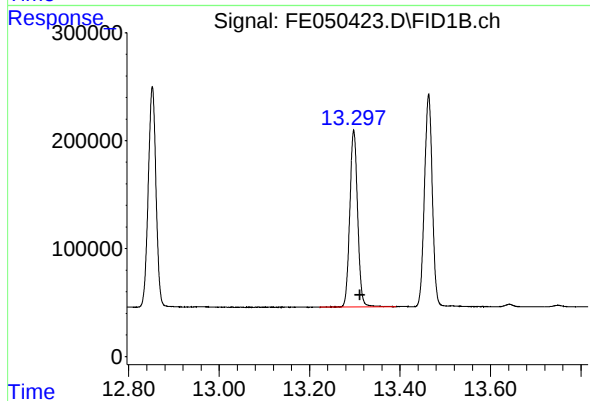
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.014 min
Response: 2422606
Conc: 18.06 ug/ml



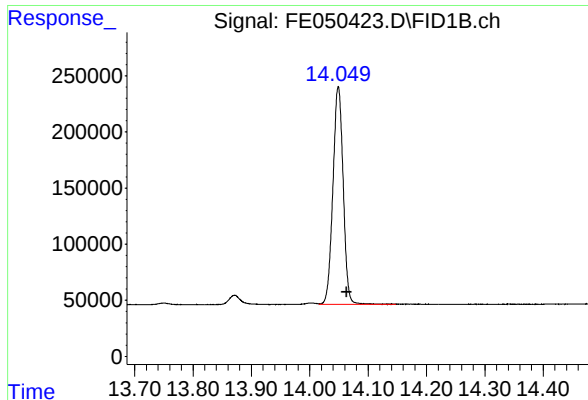
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: -0.014 min
Response: 2378156
Conc: 18.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.014 min
Response: 1979412
Conc: 17.62 ug/ml



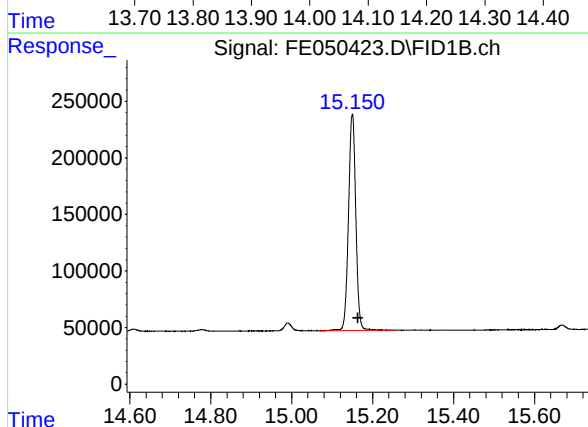
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: -0.014 min
Response: 2370203
Conc: 18.20 ug/ml

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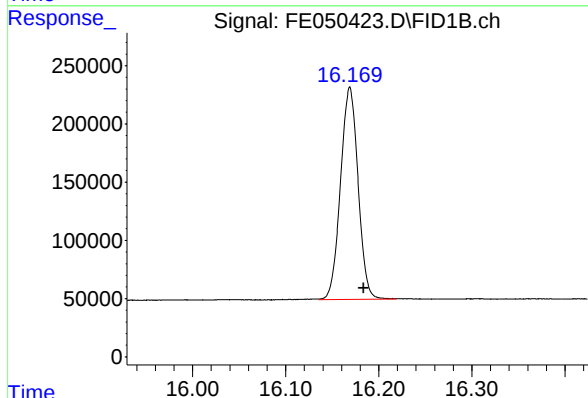
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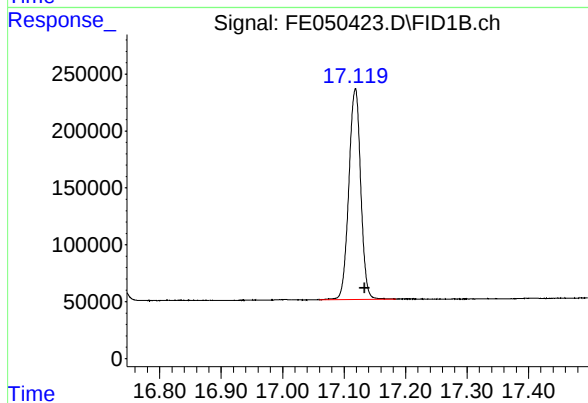
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.014 min
Response: 2407963
Conc: 18.44 ug/ml



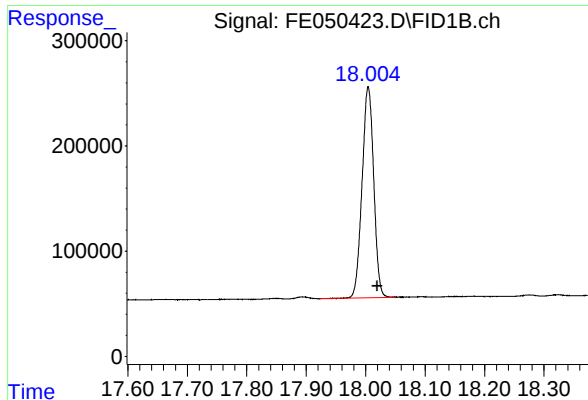
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.015 min
Response: 2388577
Conc: 18.67 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 2497369
Conc: 19.39 ug/ml m



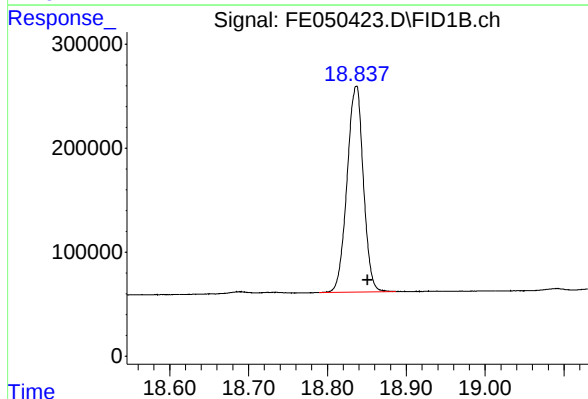
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.015 min
Response: 2727662
Conc: 20.40 ug/ml

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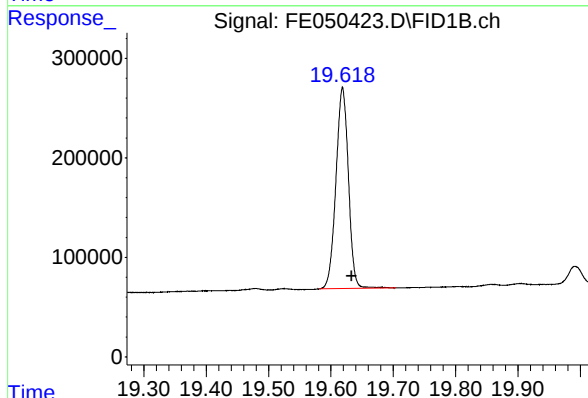
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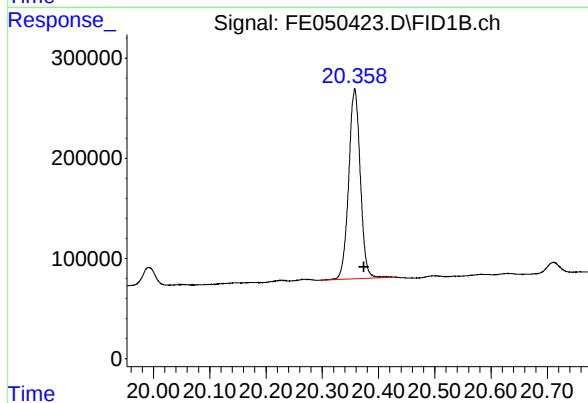
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: -0.014 min
Response: 2858091
Conc: 21.45 ug/ml m



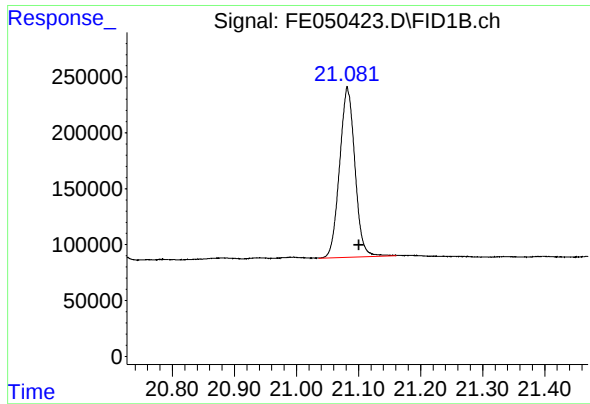
#19 n-Tetatriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.015 min
Response: 2812349
Conc: 22.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: -0.016 min
Response: 2732211
Conc: 24.63 ug/ml



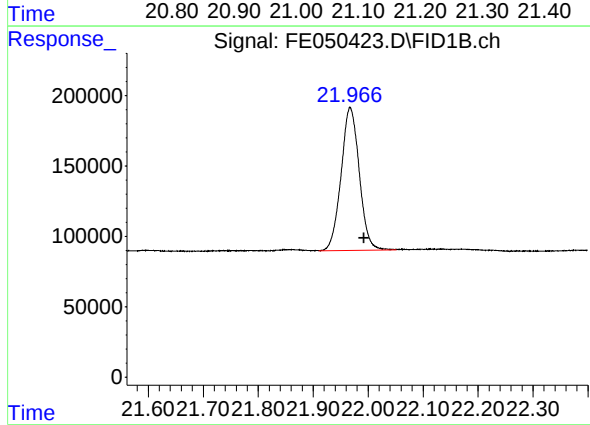
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.020 min
Response: 2605580
Conc: 23.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.026 min
Response: 2336564
Conc: 21.47 ug/ml m