

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092624AL\
 Data File : FE050401.D
 Signal(s) : FID1B.ch
 Acq On : 27 Sep 2024 03:52
 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 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 04:29:11 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)	11.865	2788672	18.744 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
12) S 1-chlorooctadecane (S...	13.299	2114693	18.826 ug/ml
Spiked Amount 50.000		Recovery =	37.65%
Target Compounds			
1) T n-Nonane (C9)	3.255	2354721	17.372 ug/ml
2) T n-Decane (C10)	4.505	2530605	18.336 ug/ml
3) T A~Naphthalene (C11.7)	6.215	2559562	18.287 ug/ml
4) T n-Dodecane (C12)	6.672	2543305	18.392 ug/mlm
5) T A~2-methylnaphthalene...	7.311	2407200	18.314 ug/ml
6) T n-Tetradecane (C14)	8.499	2544453	18.686 ug/ml
7) T n-Hexadecane (C16)	10.104	2631514	18.945 ug/ml
8) T n-Octadecane (C18)	11.546	2650982	18.922 ug/ml
10) T n-Eicosane (C20)	12.852	2527170	18.839 ug/mlm
11) T n-Heneicosane (C21)	13.464	2475791	18.842 ug/ml
13) T n-Docosane (C22)	14.049	2457552	18.873 ug/ml
14) T n-Tetracosane (C24)	15.151	2467161	18.892 ug/ml
15) T n-Hexacosane (C26)	16.169	2459725	19.226 ug/mlm
16) T n-Octacosane (C28)	17.119	2573853	19.982 ug/mlm
17) T n-Tricontane (C30)	18.006	2905590	21.729 ug/ml
18) T n-Dotriacontane (C32)	18.838	3010289	22.590 ug/ml
19) T n-Tetratriacontane (C34)	19.619	2753583	22.285 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2389315	21.535 ug/ml
21) T n-Octatriacontane (C38)	21.082	2197913	19.930 ug/mlm
22) T n-Tetracontane (C40)	21.968	1988837	18.277 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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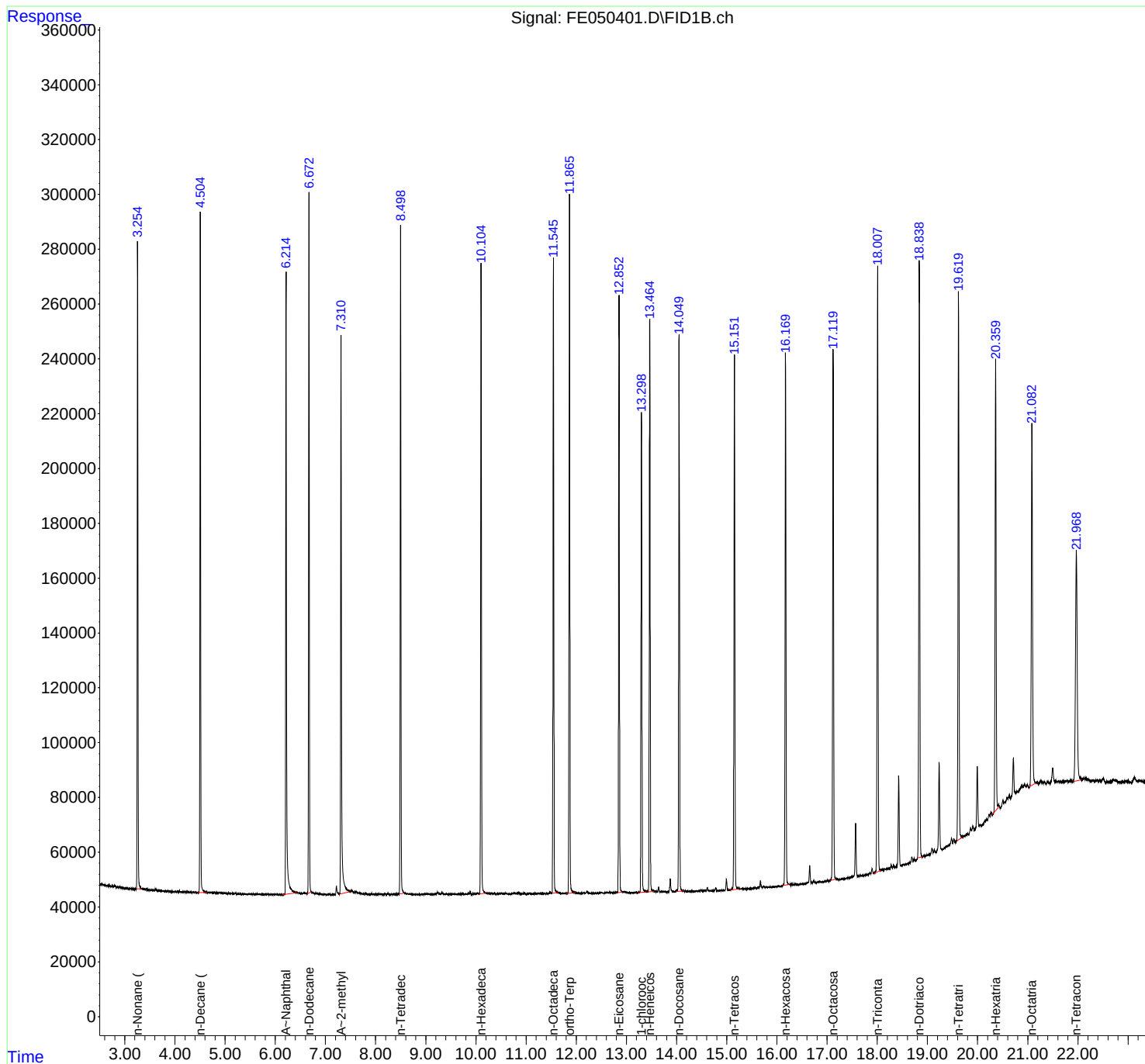
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

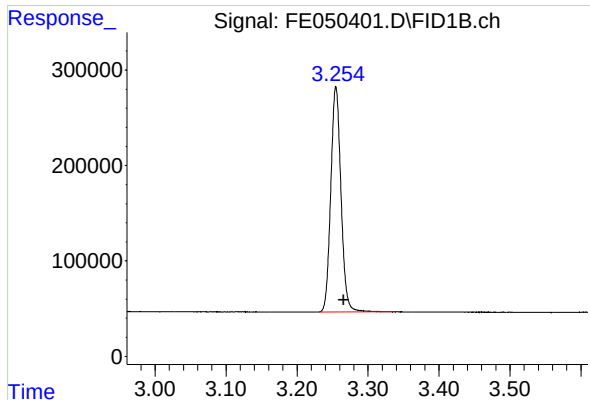
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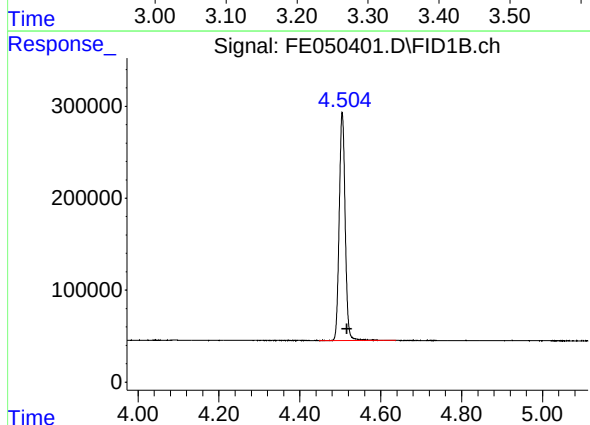
#1 n-Nonane (C9)

R.T.: 3.255 min
Delta R.T.: -0.011 min
Response: 2354721
Conc: 17.37 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

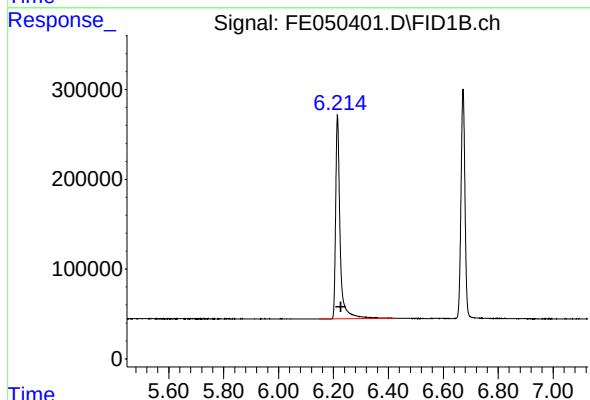
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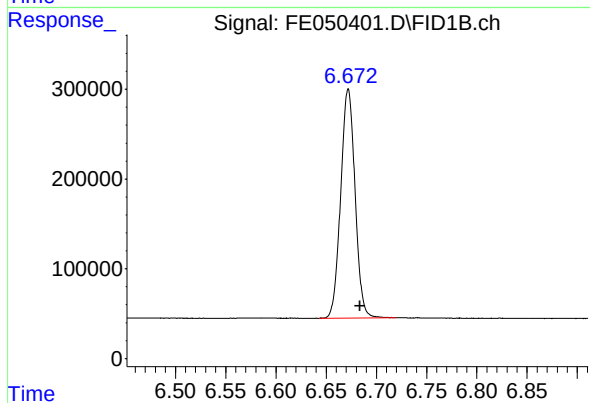
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 2530605
Conc: 18.34 ug/ml



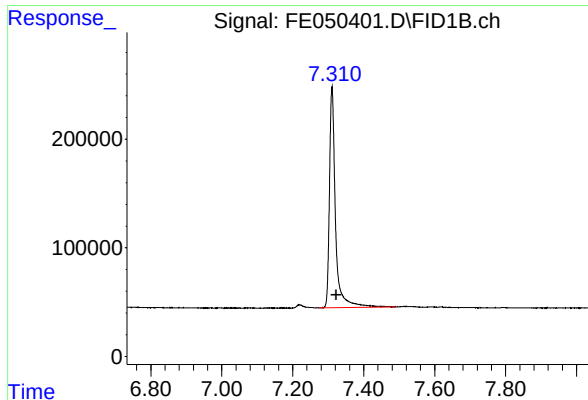
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: -0.012 min
Response: 2559562
Conc: 18.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.672 min
Delta R.T.: -0.012 min
Response: 2543305
Conc: 18.39 ug/ml m



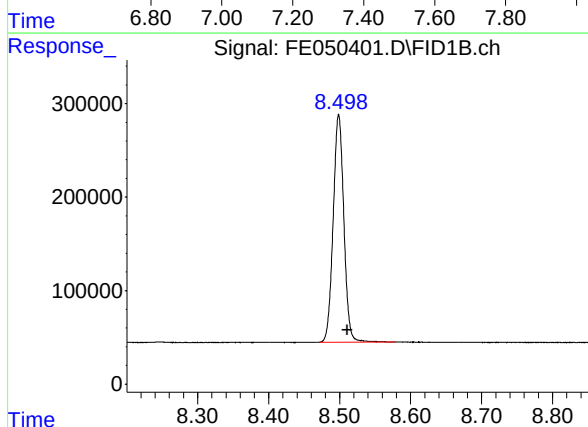
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: -0.012 min
Response: 2407200
Conc: 18.31 ug/ml

Instrument : FID_E
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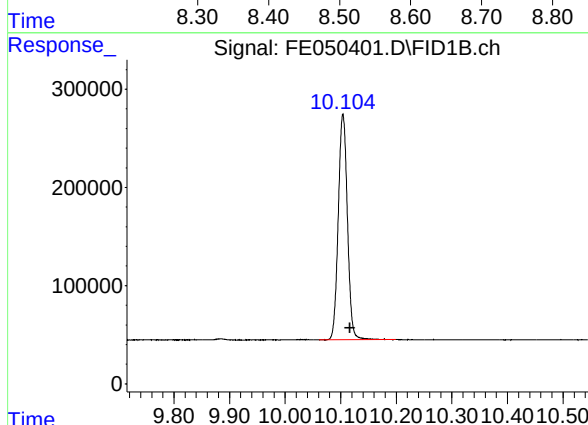
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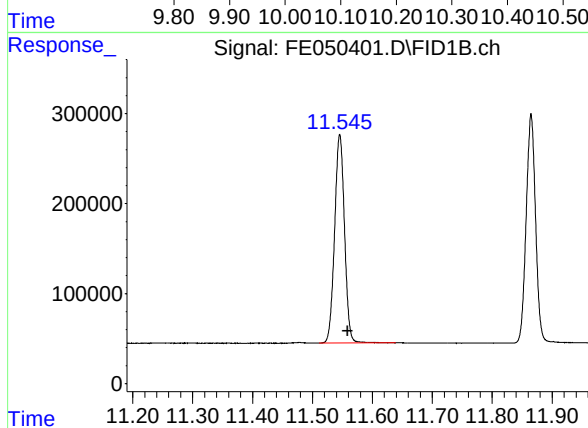
#6 n-Tetradecane (C14)

R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 2544453
Conc: 18.69 ug/ml



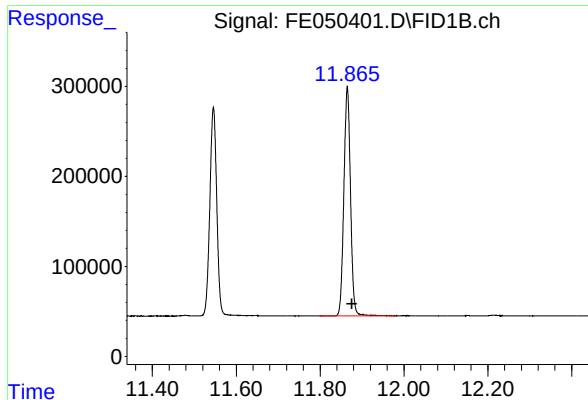
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.013 min
Response: 2631514
Conc: 18.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.546 min
Delta R.T.: -0.013 min
Response: 2650982
Conc: 18.92 ug/ml



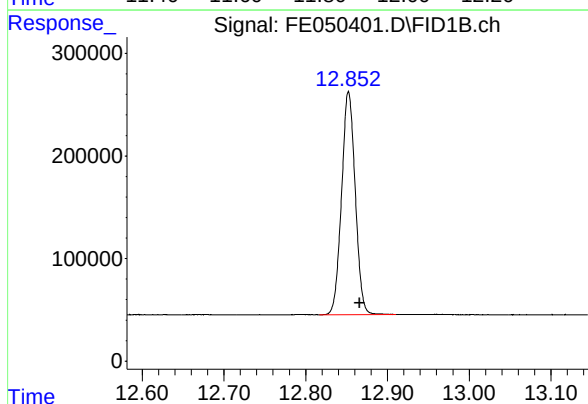
#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.011 min
Response: 2788672
Conc: 18.74 ug/ml

Instrument :
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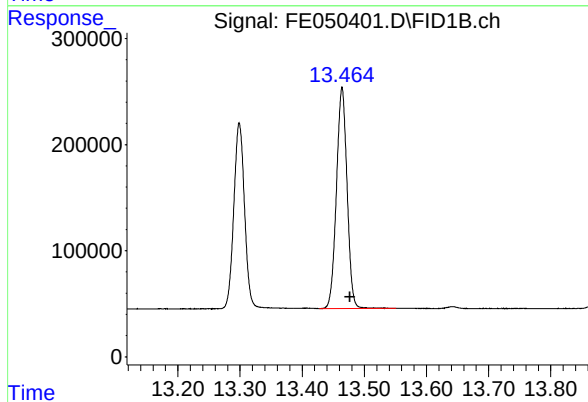
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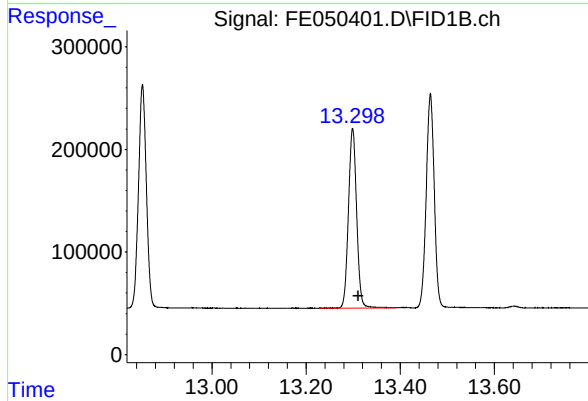
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.014 min
Response: 2527170
Conc: 18.84 ug/ml m



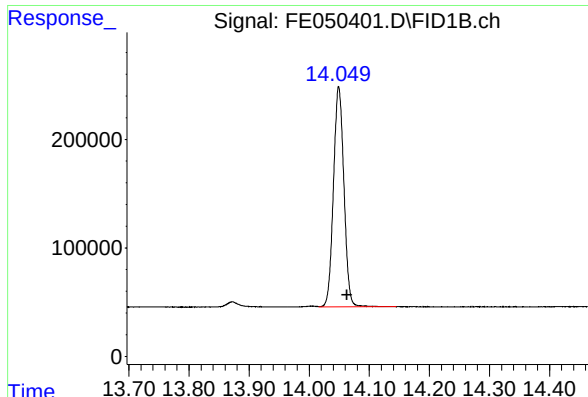
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: -0.013 min
Response: 2475791
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.299 min
Delta R.T.: -0.013 min
Response: 2114693
Conc: 18.83 ug/ml



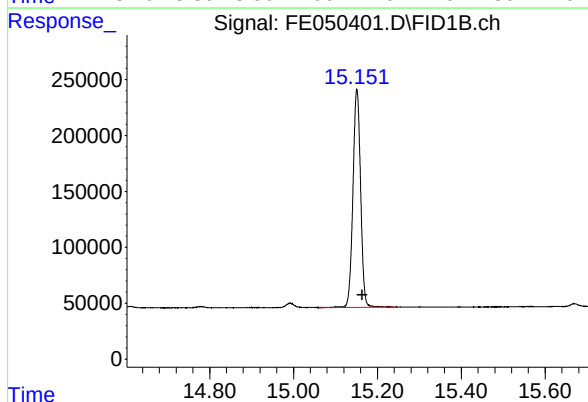
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: -0.014 min
Response: 2457552
Conc: 18.87 ug/ml

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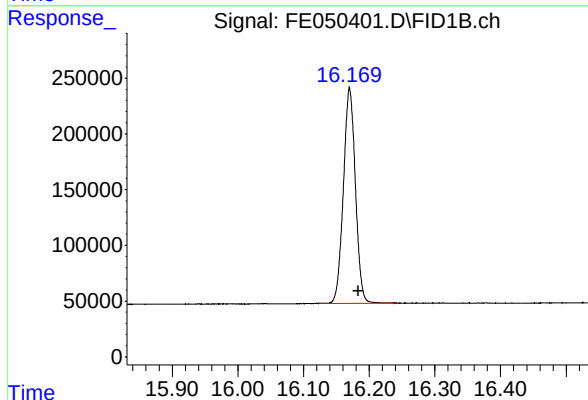
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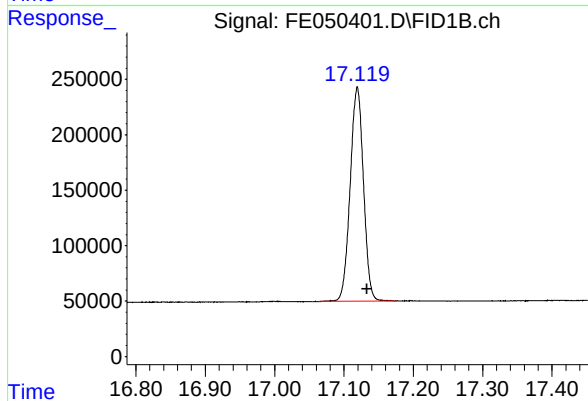
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.013 min
Response: 2467161
Conc: 18.89 ug/ml



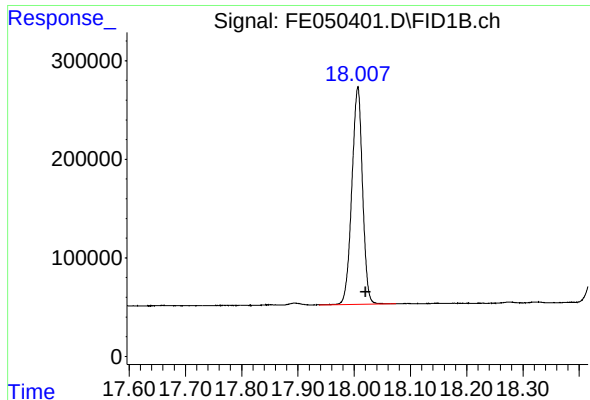
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.014 min
Response: 2459725
Conc: 19.23 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 2573853
Conc: 19.98 ug/ml m



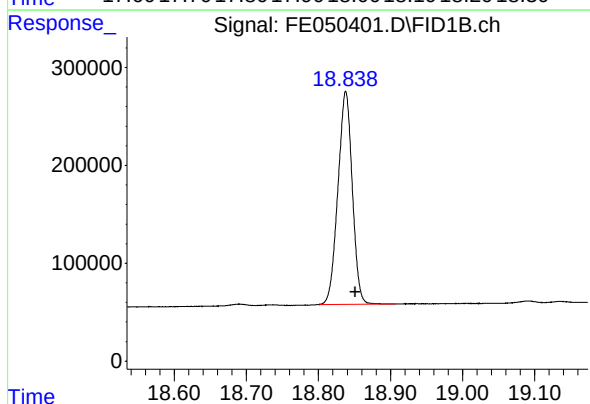
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.014 min
Response: 2905590
Conc: 21.73 ug/ml

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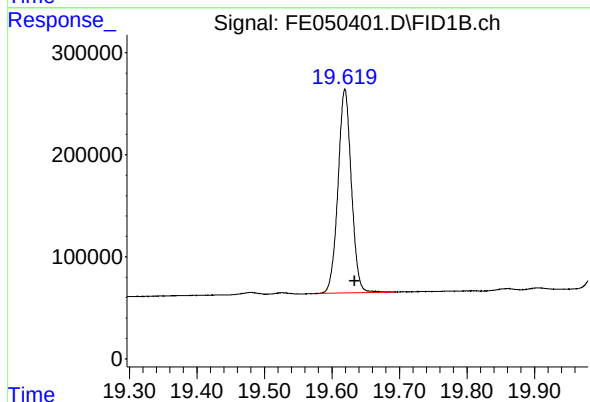
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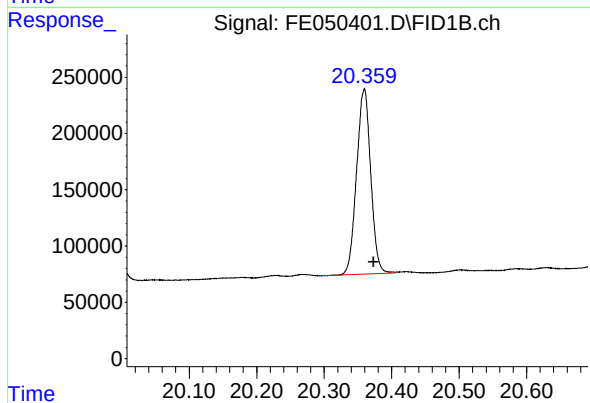
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 3010289
Conc: 22.59 ug/ml



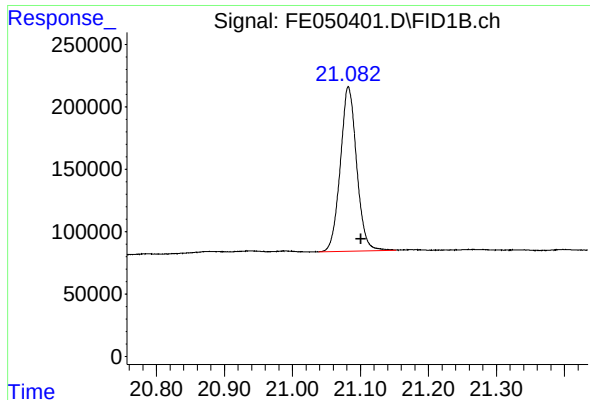
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.014 min
Response: 2753583
Conc: 22.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.015 min
Response: 2389315
Conc: 21.54 ug/ml



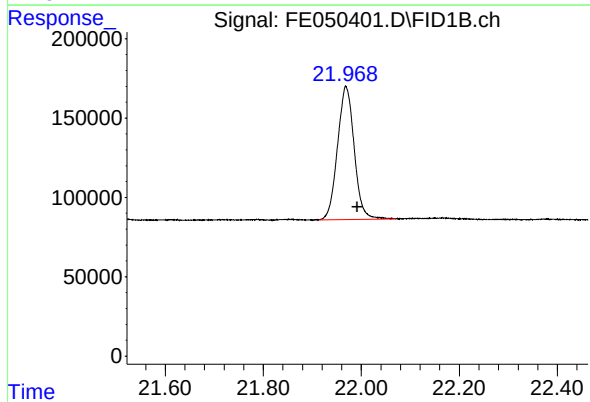
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.019 min
Response: 2197913
Conc: 19.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.025 min
Response: 1988837
Conc: 18.28 ug/ml m