

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011725AL\
 Data File : FE051944.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jan 2025 11:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :Ankita Jodhani 01/21/2025

Integration File: autoint1.e
 Quant Time: Jan 17 23:11:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 2025
 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)	12.177	2772101	19.395 ug/ml
Spiked Amount 50.000		Recovery =	38.79%
12) S 1-chlorooctadecane (S...	13.600	2224422	19.391 ug/ml
Spiked Amount 50.000		Recovery =	38.78%
Target Compounds			
1) T n-Nonane (C9)	3.608	2024419	18.989 ug/ml
2) T n-Decane (C10)	4.845	2100527	19.187 ug/ml
3) T A~Naphthalene (C11.7)	6.548	2336819	19.230 ug/ml
4) T n-Dodecane (C12)	6.990	2170730	19.233 ug/ml
5) T A~2-methylnaphthalene...	7.635	2305268	19.310 ug/ml
6) T n-Tetradecane (C14)	8.808	2247733	19.326 ug/ml
7) T n-Hexadecane (C16)	10.408	2445245	19.388 ug/ml
8) T n-Octadecane (C18)	11.848	2569546	19.421 ug/ml
10) T n-Eicosane (C20)	13.153	2556352	19.500 ug/ml
11) T n-Heneicosane (C21)	13.763	2535037	19.476 ug/ml
13) T n-Docosane (C22)	14.348	2577171	19.638 ug/ml
14) T n-Tetracosane (C24)	15.449	2649041	19.943 ug/mlm
15) T n-Hexacosane (C26)	16.465	2676446	20.248 ug/ml
16) T n-Octacosane (C28)	17.413	2710149	20.534 ug/ml
17) T n-Tricontane (C30)	18.300	2861678	20.989 ug/ml
18) T n-Dotriacontane (C32)	19.128	2781087	21.221 ug/ml
19) T n-Tetratriacontane (C34)	19.910	2342689	20.808 ug/mlm
20) T n-Hexatriacontane (C36)	20.648	1996309	21.018 ug/ml
21) T n-Octatriacontane (C38)	21.435	1756337	20.332 ug/mlm
22) T n-Tetracontane (C40)	22.445	1659480	20.137 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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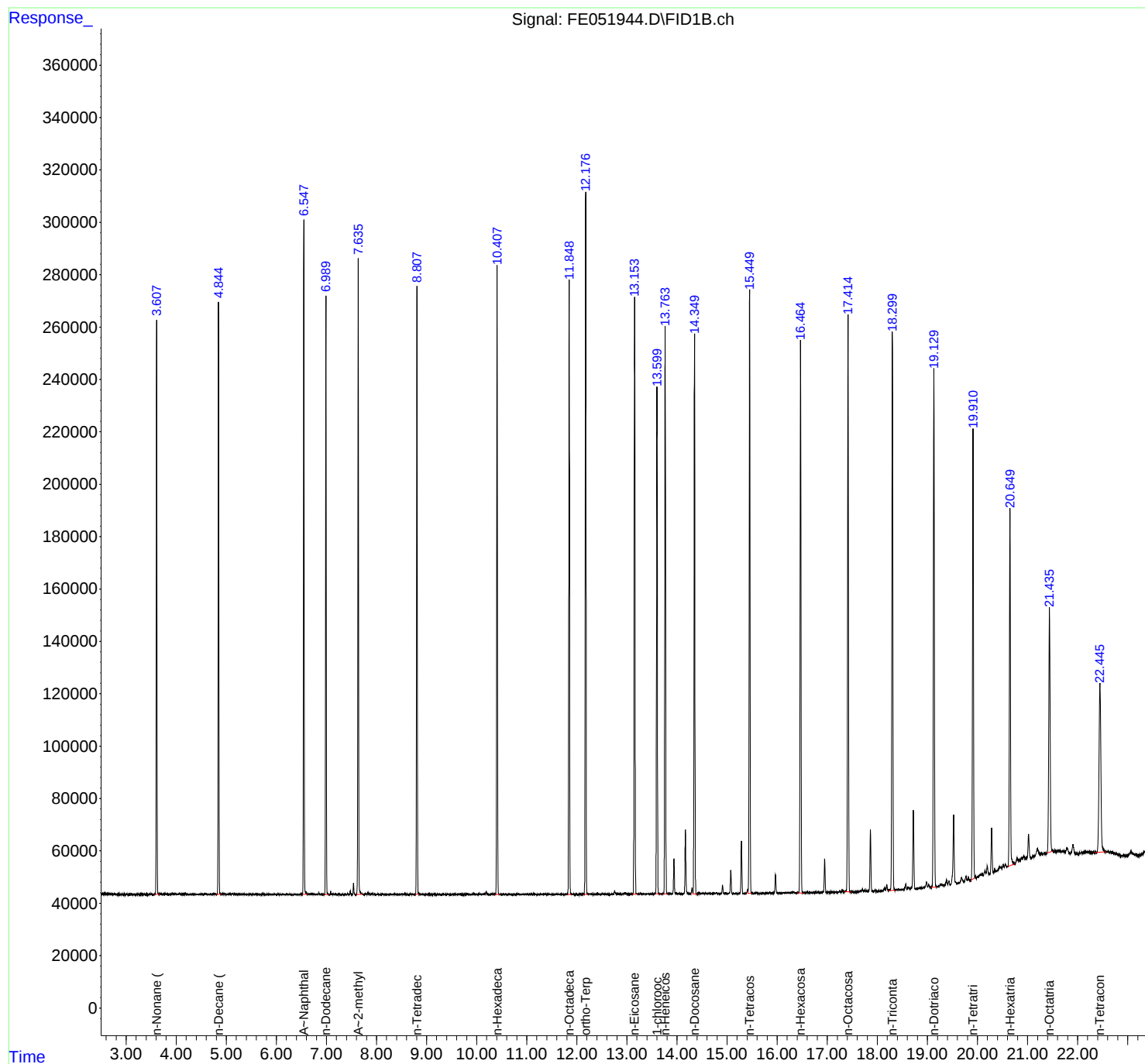
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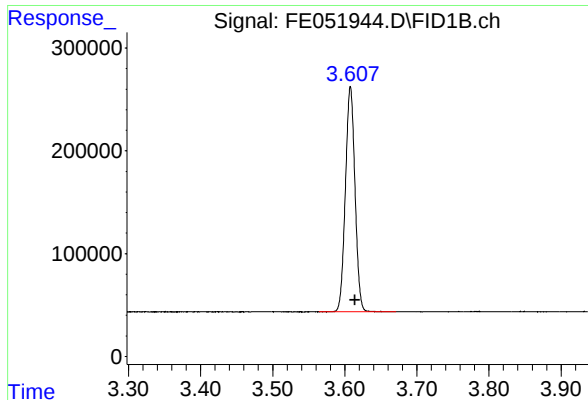
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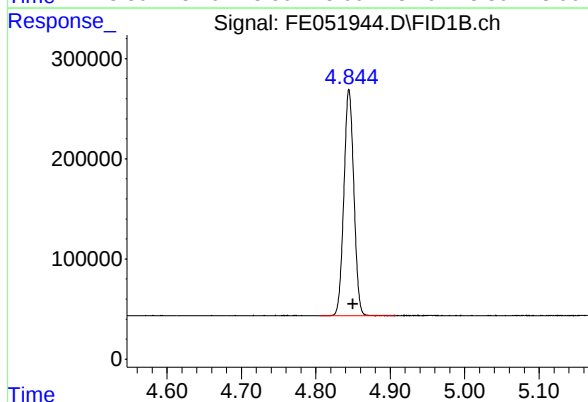
#1 n-Nonane (C9)

R.T.: 3.608 min
Delta R.T.: -0.006 min
Response: 2024419
Conc: 18.99 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

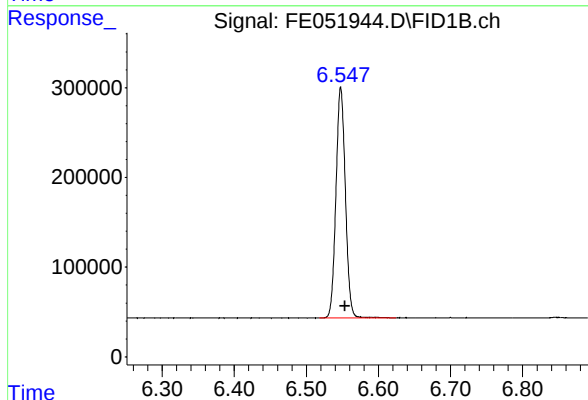
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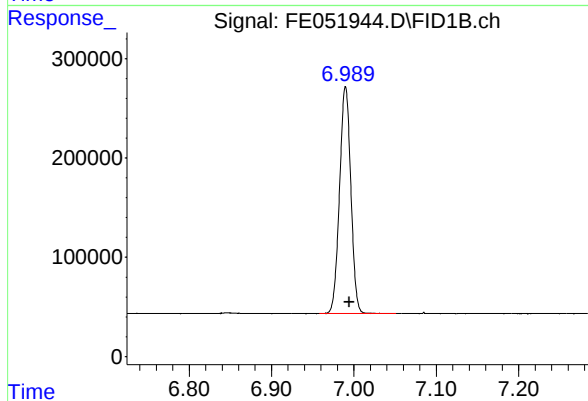
#2 n-Decane (C10)

R.T.: 4.845 min
Delta R.T.: -0.005 min
Response: 2100527
Conc: 19.19 ug/ml



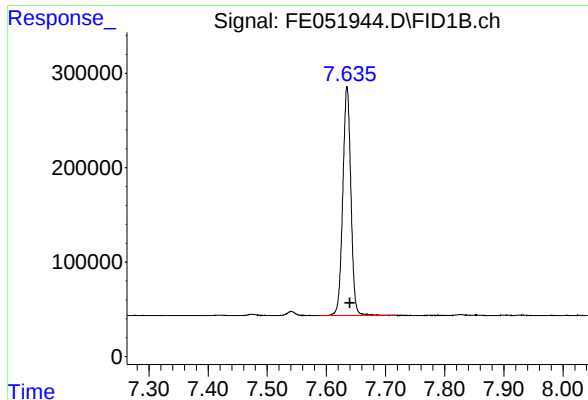
#3 A~Naphthalene (C11.7)

R.T.: 6.548 min
Delta R.T.: -0.006 min
Response: 2336819
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.990 min
Delta R.T.: -0.004 min
Response: 2170730
Conc: 19.23 ug/ml



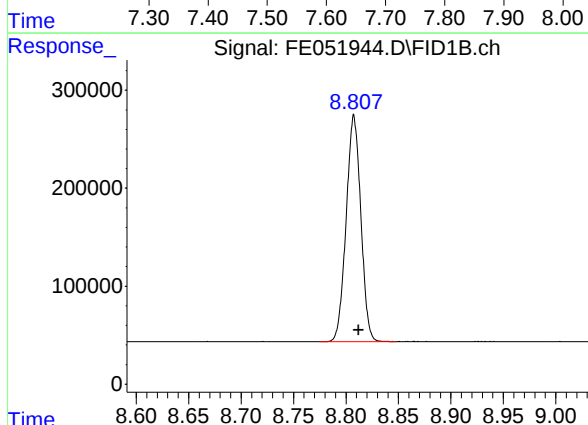
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.635 min
Delta R.T.: -0.005 min
Response: 2305268
Conc: 19.31 ug/ml

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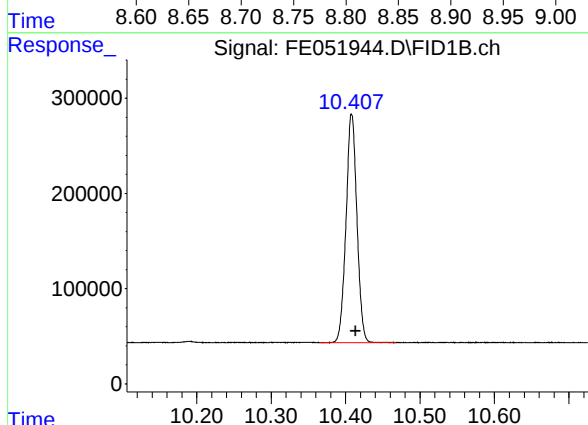
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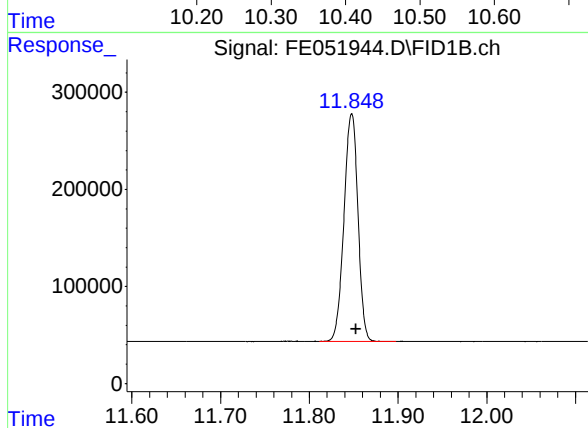
#6 n-Tetradecane (C14)

R.T.: 8.808 min
Delta R.T.: -0.005 min
Response: 2247733
Conc: 19.33 ug/ml



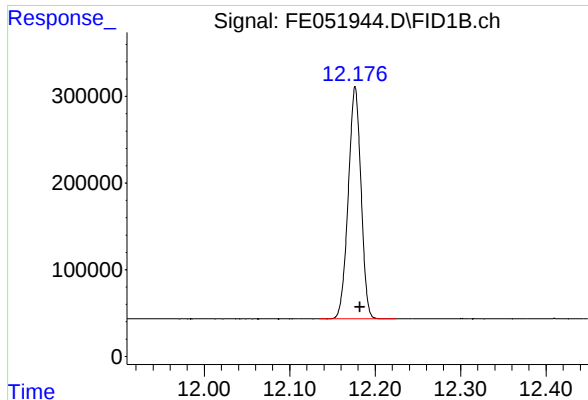
#7 n-Hexadecane (C16)

R.T.: 10.408 min
Delta R.T.: -0.005 min
Response: 2445245
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.848 min
Delta R.T.: -0.005 min
Response: 2569546
Conc: 19.42 ug/ml



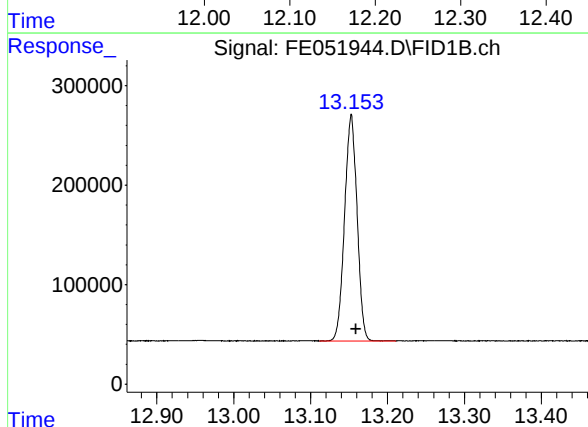
#9 ortho-Terphenyl (SURR)

R.T.: 12.177 min
Delta R.T.: -0.006 min
Response: 2772101
Conc: 19.40 ug/ml

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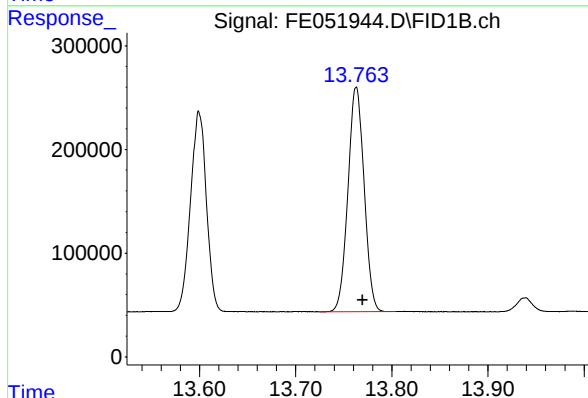
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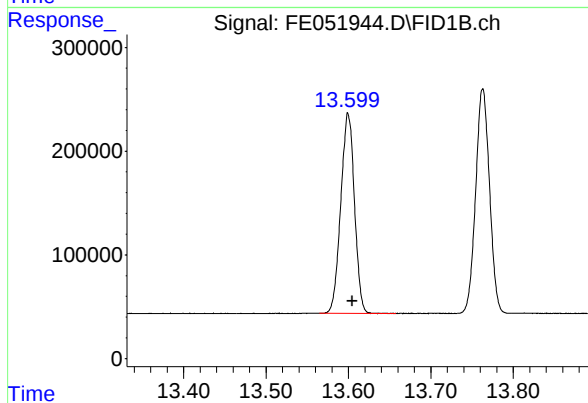
#10 n-Eicosane (C20)

R.T.: 13.153 min
Delta R.T.: -0.006 min
Response: 2556352
Conc: 19.50 ug/ml



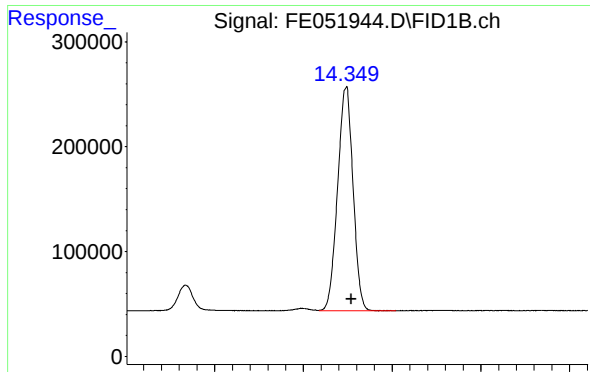
#11 n-Heneicosane (C21)

R.T.: 13.763 min
Delta R.T.: -0.006 min
Response: 2535037
Conc: 19.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.600 min
Delta R.T.: -0.005 min
Response: 2224422
Conc: 19.39 ug/ml



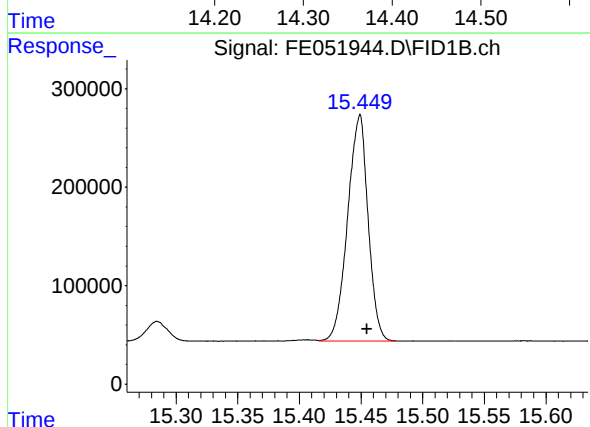
#13 n-Docosane (C22)

R.T.: 14.348 min
Delta R.T.: -0.006 min
Response: 2577171
Conc: 19.64 ug/ml

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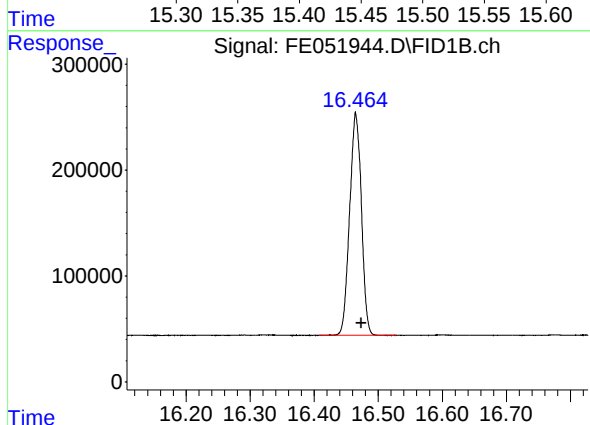
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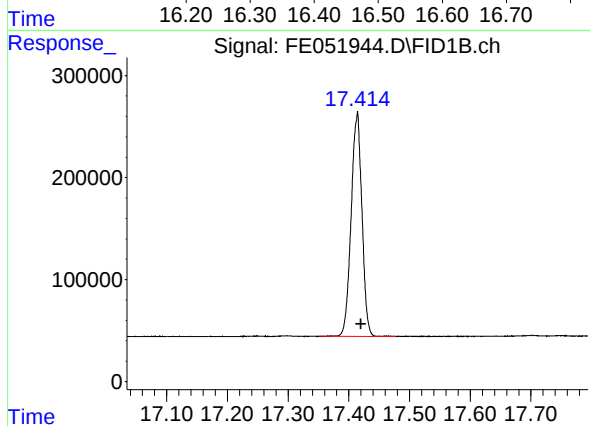
#14 n-Tetracosane (C24)

R.T.: 15.449 min
Delta R.T.: -0.006 min
Response: 2649041
Conc: 19.94 ug/ml m



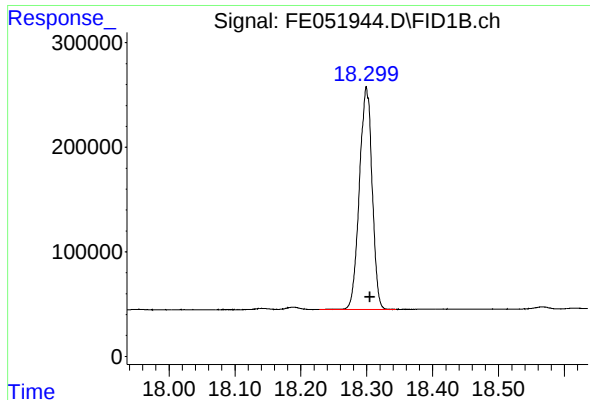
#15 n-Hexacosane (C26)

R.T.: 16.465 min
Delta R.T.: -0.009 min
Response: 2676446
Conc: 20.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.413 min
Delta R.T.: -0.007 min
Response: 2710149
Conc: 20.53 ug/ml



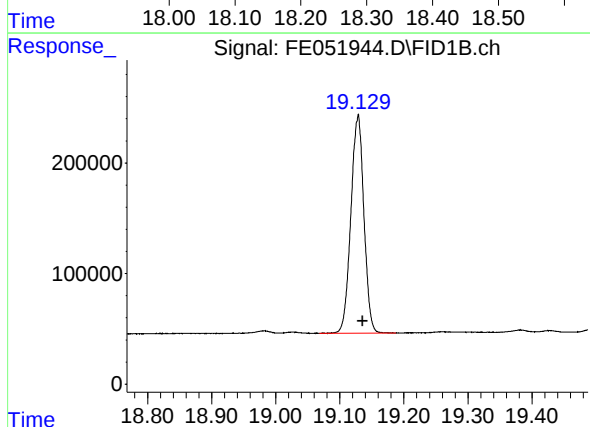
#17 n-Tricontane (C30)

R.T.: 18.300 min
Delta R.T.: -0.005 min
Response: 2861678
Conc: 20.99 ug/ml

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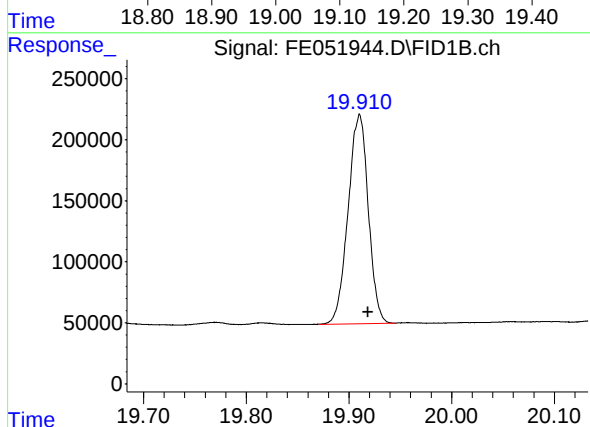
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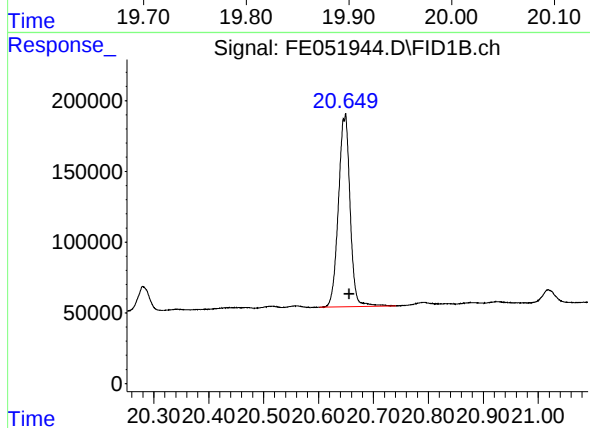
#18 n-Dotriacontane (C32)

R.T.: 19.128 min
Delta R.T.: -0.008 min
Response: 2781087
Conc: 21.22 ug/ml



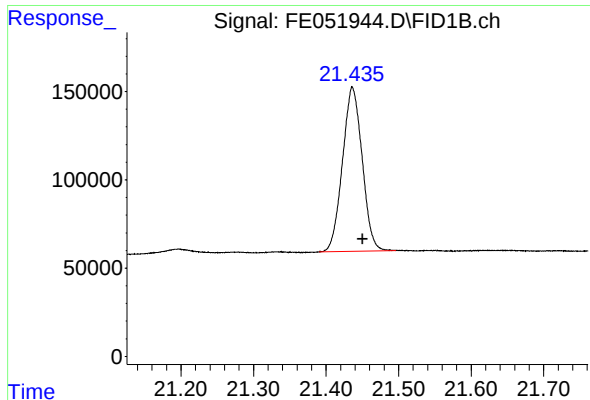
#19 n-Tetatriacontane (C34)

R.T.: 19.910 min
Delta R.T.: -0.008 min
Response: 2342689
Conc: 20.81 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.648 min
Delta R.T.: -0.008 min
Response: 1996309
Conc: 21.02 ug/ml



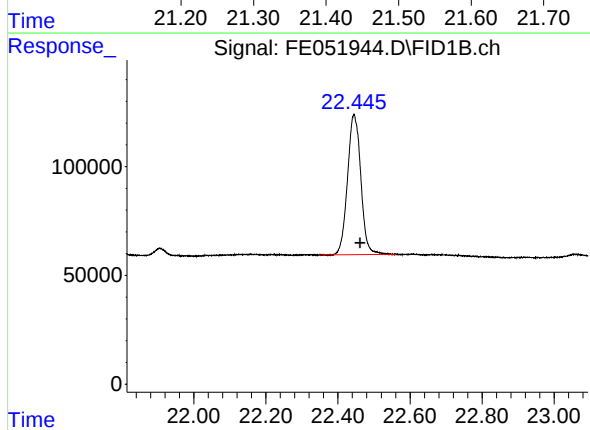
#21 n-Octatriacontane (C38)

R.T.: 21.435 min
Delta R.T.: -0.015 min
Response: 1756337
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.445 min
Delta R.T.: -0.018 min
Response: 1659480
Conc: 20.14 ug/ml