

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091124AL\
 Data File : FE050031.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2024 08:11
 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 09/11/2024
 Supervised By :Ankita Jodhani 09/11/2024

Integration File: autoint1.e
 Quant Time: Sep 11 08:51:47 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)	11.875	3060739	20.572 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
12) S 1-chlorooctadecane (S...	13.310	2332776	20.768 ug/ml
Spiked Amount 50.000		Recovery =	41.54%
Target Compounds			
1) T n-Nonane (C9)	3.265	2762054	20.377 ug/ml
2) T n-Decane (C10)	4.516	2826637	20.481 ug/ml
3) T A~Naphthalene (C11.7)	6.224	2905832	20.761 ug/ml
4) T n-Dodecane (C12)	6.683	2835051	20.502 ug/ml
5) T A~2-methylnaphthalene...	7.319	2744746	20.882 ug/ml
6) T n-Tetradecane (C14)	8.509	2803341	20.587 ug/ml
7) T n-Hexadecane (C16)	10.116	2871062	20.670 ug/ml
8) T n-Octadecane (C18)	11.557	2885186	20.593 ug/ml
10) T n-Eicosane (C20)	12.865	2761361	20.585 ug/ml
11) T n-Heneicosane (C21)	13.476	2706942	20.601 ug/ml
13) T n-Docosane (C22)	14.061	2686205	20.629 ug/ml
14) T n-Tetracosane (C24)	15.163	2692585	20.619 ug/ml
15) T n-Hexacosane (C26)	16.183	2642570	20.655 ug/ml
16) T n-Octacosane (C28)	17.131	2647020	20.550 ug/mlm
17) T n-Tricontane (C30)	18.018	2799951	20.939 ug/ml
18) T n-Dotriacontane (C32)	18.850	2753606	20.664 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2641636	21.379 ug/ml
20) T n-Hexatriacontane (C36)	20.371	2359263	21.264 ug/mlm
21) T n-Octatriacontane (C38)	21.097	2256201	20.459 ug/ml
22) T n-Tetracontane (C40)	21.988	2012593	18.496 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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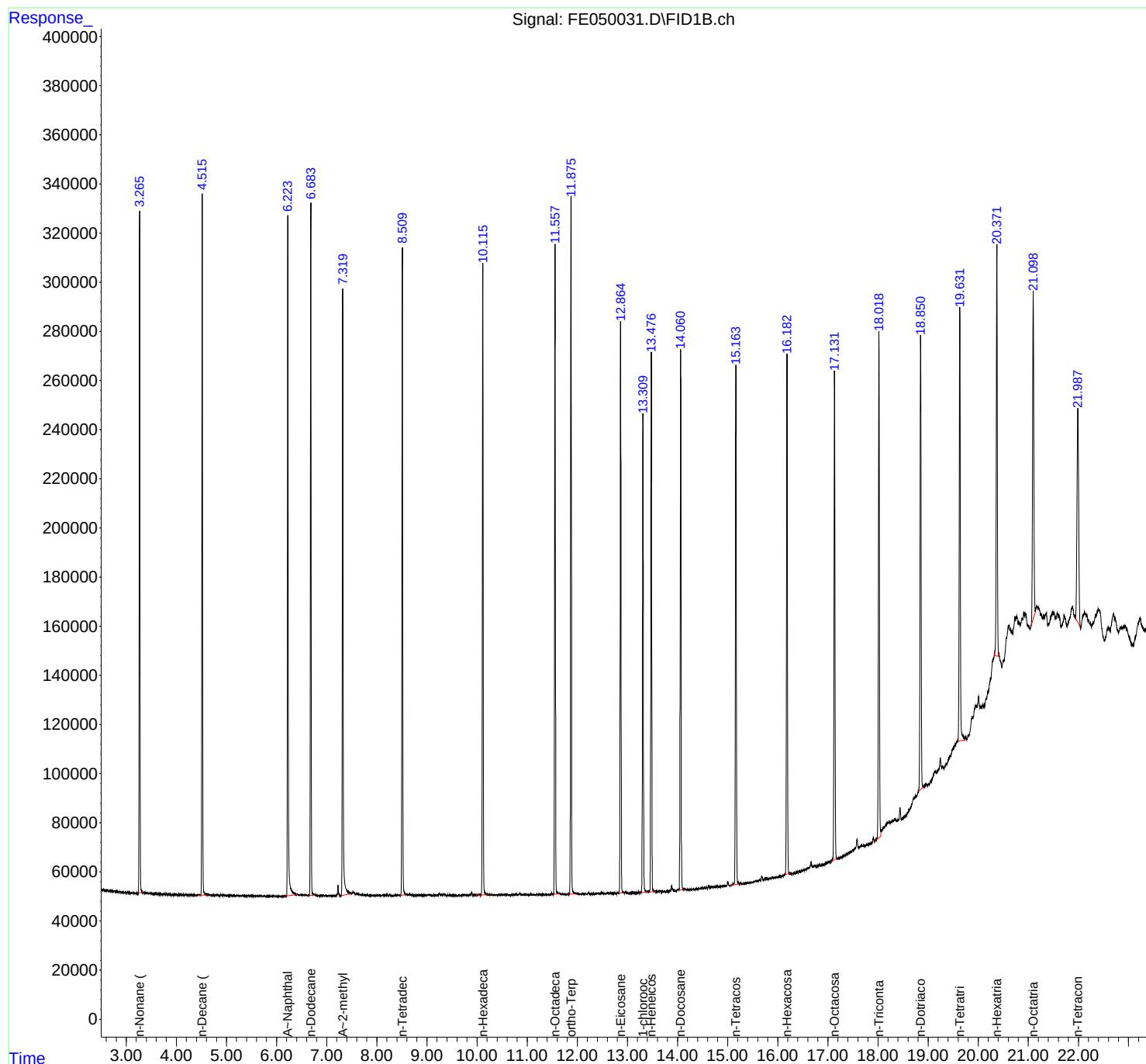
Instrument :
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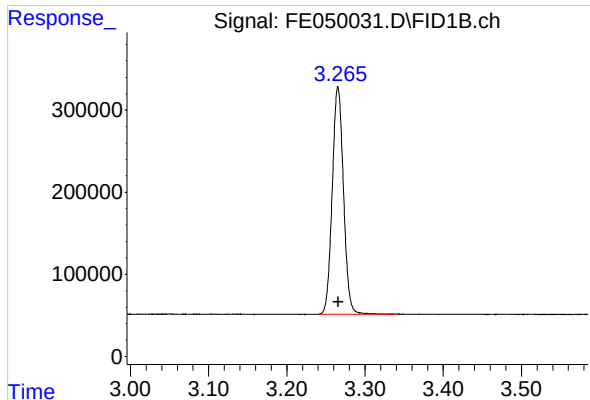
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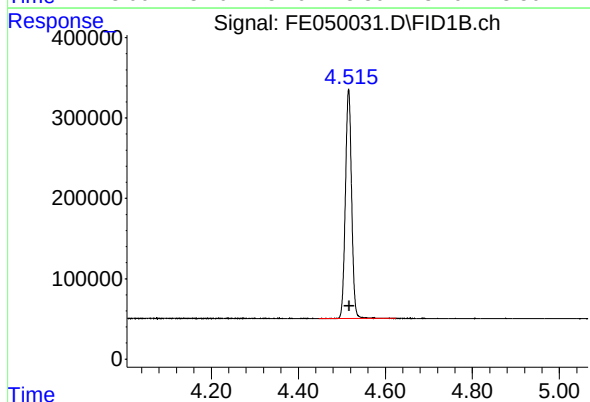
#1 n-Nonane (C9)

R.T.: 3.265 min
Delta R.T.: 0.000 min
Response: 2762054
Conc: 20.38 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

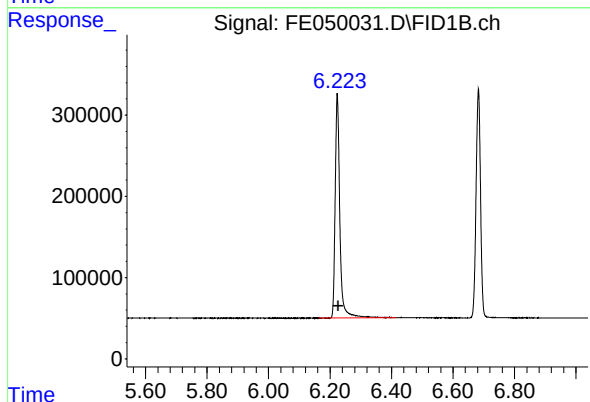
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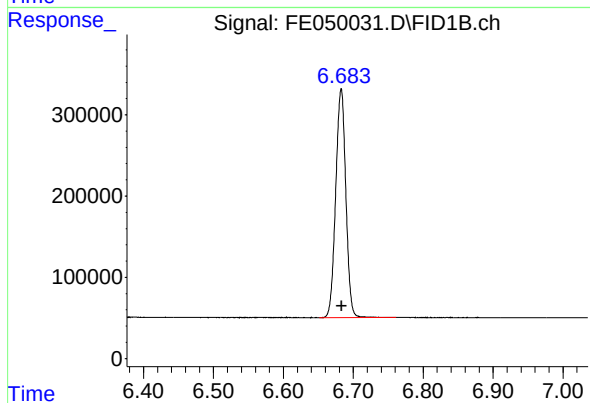
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 2826637
Conc: 20.48 ug/ml



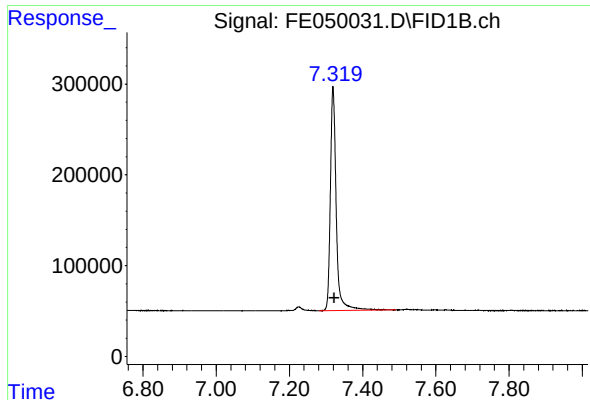
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: -0.003 min
Response: 2905832
Conc: 20.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.683 min
Delta R.T.: -0.001 min
Response: 2835051
Conc: 20.50 ug/ml



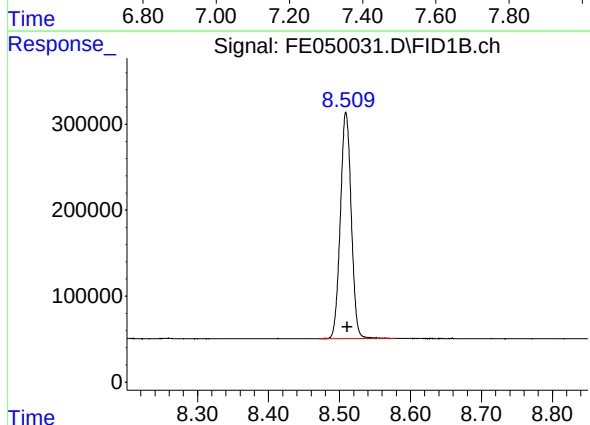
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2744746
Conc: 20.88 ug/ml

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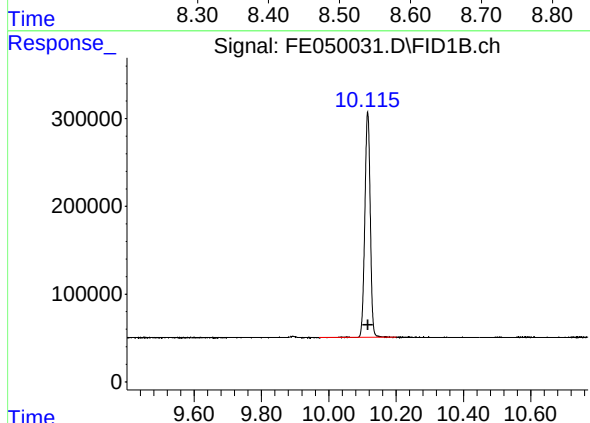
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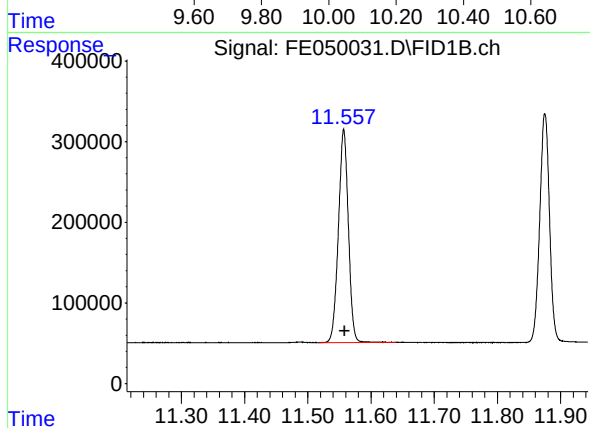
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2803341
Conc: 20.59 ug/ml



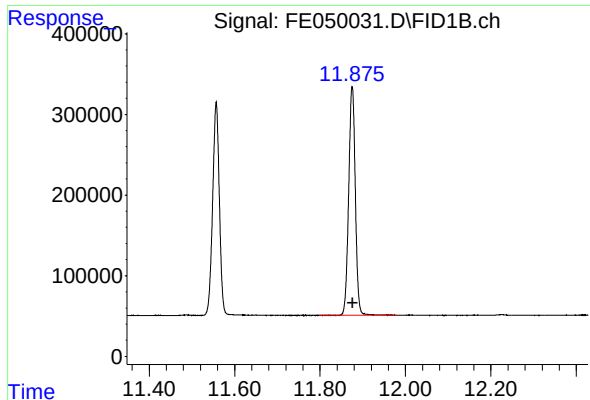
#7 n-Hexadecane (C16)

R.T.: 10.116 min
Delta R.T.: -0.001 min
Response: 2871062
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.002 min
Response: 2885186
Conc: 20.59 ug/ml



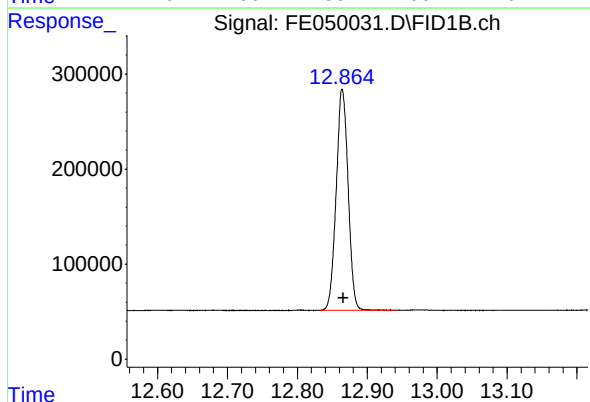
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.001 min
Response: 3060739
Conc: 20.57 ug/ml

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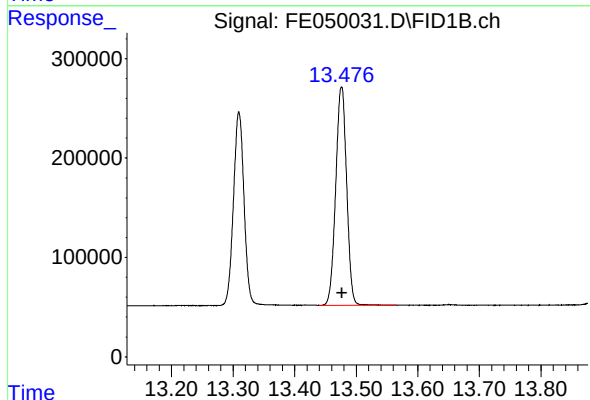
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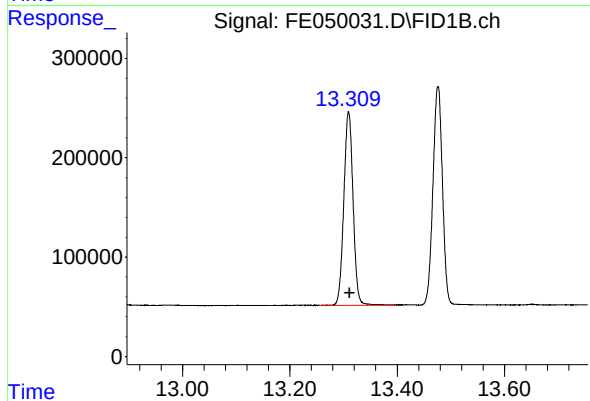
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.001 min
Response: 2761361
Conc: 20.58 ug/ml



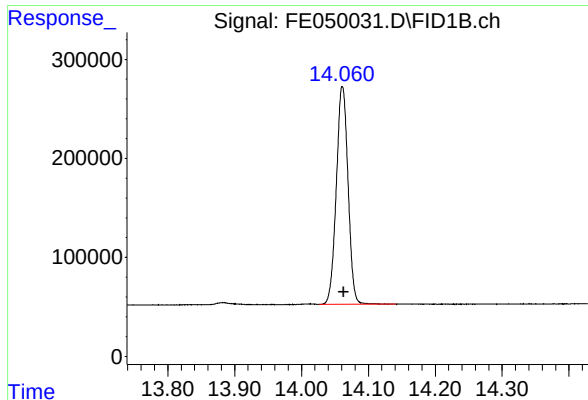
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.001 min
Response: 2706942
Conc: 20.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.002 min
Response: 2332776
Conc: 20.77 ug/ml



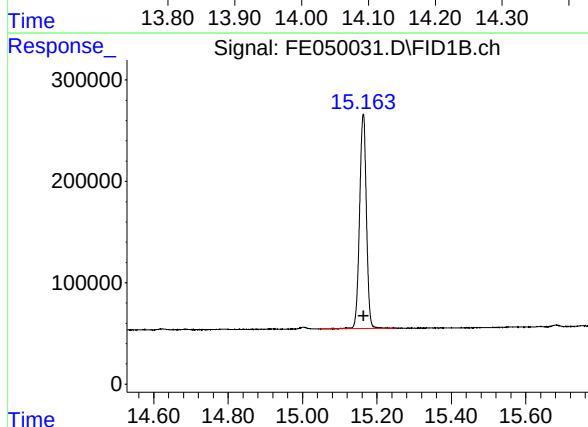
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2686205
Conc: 20.63 ug/ml

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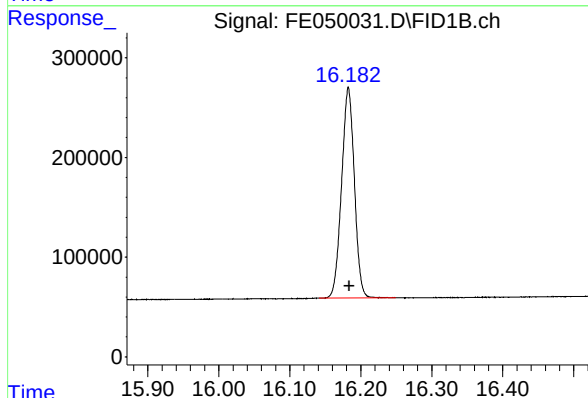
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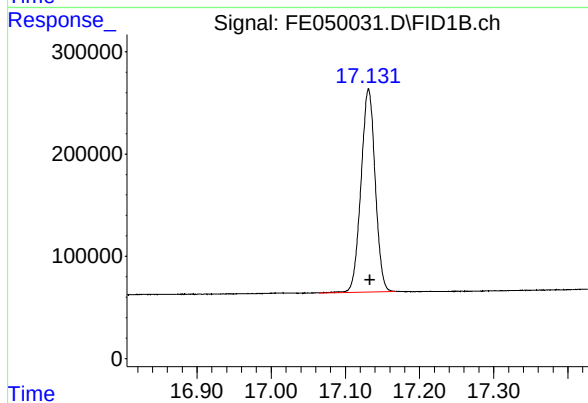
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.001 min
Response: 2692585
Conc: 20.62 ug/ml



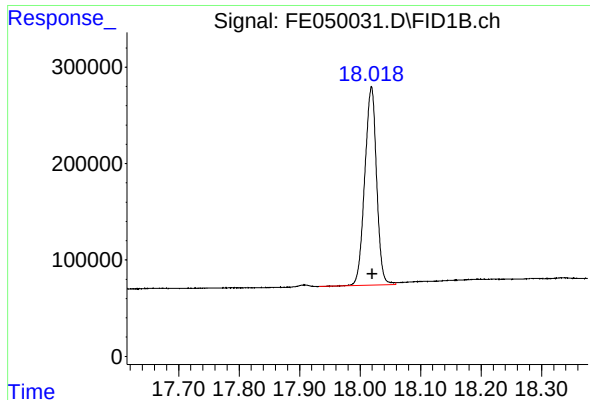
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: -0.001 min
Response: 2642570
Conc: 20.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: -0.002 min
Response: 2647020
Conc: 20.55 ug/ml m



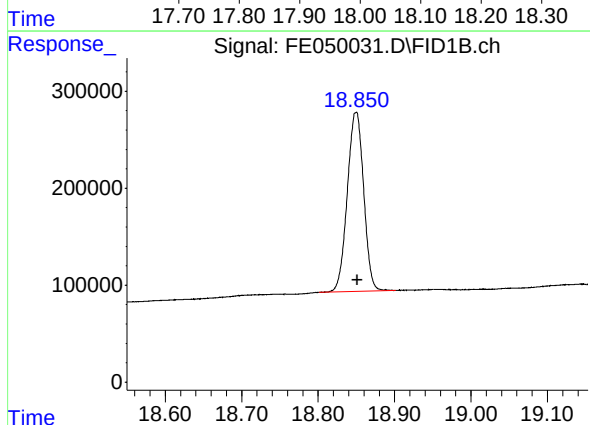
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.001 min
Response: 2799951
Conc: 20.94 ug/ml

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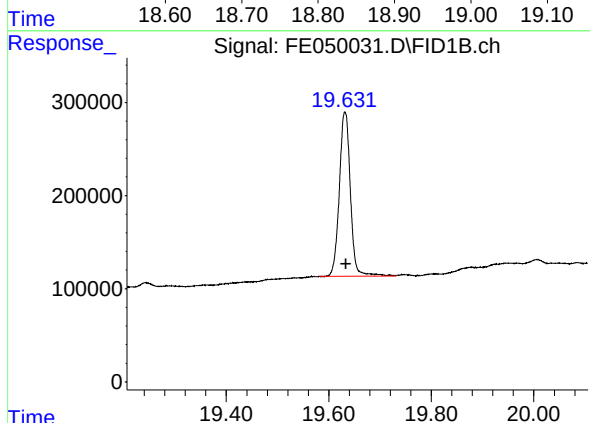
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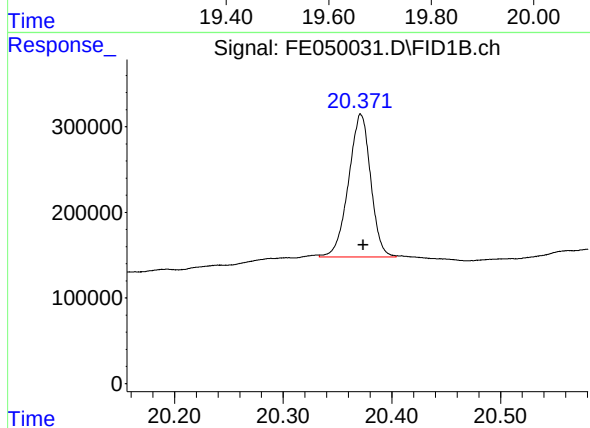
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: -0.001 min
Response: 2753606
Conc: 20.66 ug/ml



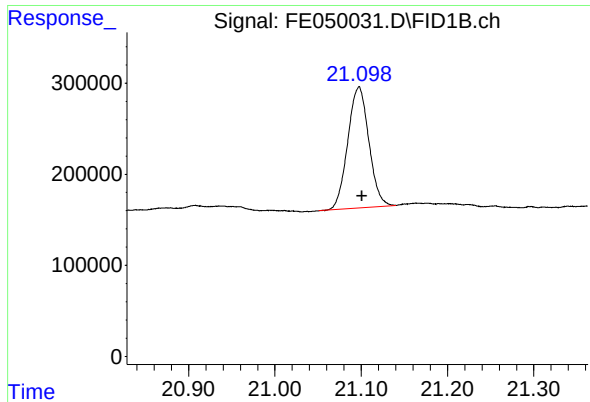
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.002 min
Response: 2641636
Conc: 21.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.003 min
Response: 2359263
Conc: 21.26 ug/ml m



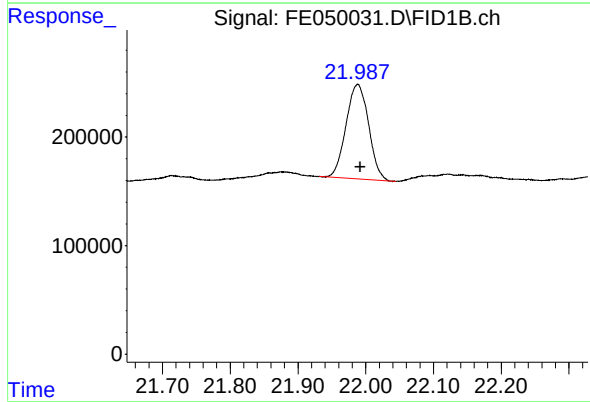
#21 n-Octatriacontane (C38)

R.T.: 21.097 min
Delta R.T.: -0.004 min
Response: 2256201
Conc: 20.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.004 min
Response: 2012593
Conc: 18.50 ug/ml