

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041425AL\
 Data File : FE053341.D
 Signal(s) : FID1B.ch
 Acq On : 14 Apr 2025 14:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File: sample.E
 Quant Time: Apr 15 02:36:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.890	2934408	18.015 ug/ml
Spiked Amount 50.000		Recovery =	36.03%
12) S 1-chlorooctadecane (S...	13.336	2149577	17.907 ug/ml
Spiked Amount 50.000		Recovery =	35.81%
Target Compounds			
1) T n-Nonane (C9)	3.232	2619830	16.920 ug/ml
2) T n-Decane (C10)	4.493	2796678	17.829 ug/ml
3) T A~Naphthalene (C11.7)	6.207	2943961	17.525 ug/ml
4) T n-Dodecane (C12)	6.675	2817051	18.012 ug/ml
5) T A~2-methylnaphthalene...	7.310	2832783	17.754 ug/ml
6) T n-Tetradecane (C14)	8.512	2798138	18.275 ug/ml
7) T n-Hexadecane (C16)	10.127	2865961	18.592 ug/ml
8) T n-Octadecane (C18)	11.575	2832603	18.677 ug/ml
10) T n-Eicosane (C20)	12.890	2680149	18.798 ug/ml
11) T n-Heneicosane (C21)	13.505	2578840	18.584 ug/ml
13) T n-Docosane (C22)	14.093	2657323	19.403 ug/ml
14) T n-Tetracosane (C24)	15.200	2838537	21.017 ug/ml
15) T n-Hexacosane (C26)	16.224	2967430	22.243 ug/ml
16) T n-Octacosane (C28)	17.176	3097233	23.470 ug/ml
17) T n-Tricontane (C30)	18.066	3254407	24.011 ug/ml
18) T n-Dotriacontane (C32)	18.901	3181519	23.643 ug/ml
19) T n-Tetratriacontane (C34)	19.687	2719798	21.019 ug/ml
20) T n-Hexatriacontane (C36)	20.428	2226291	18.741 ug/ml
21) T n-Octatriacontane (C38)	21.168	1905469	16.578 ug/mlm
22) T n-Tetracontane (C40)	22.082	1799451	16.022 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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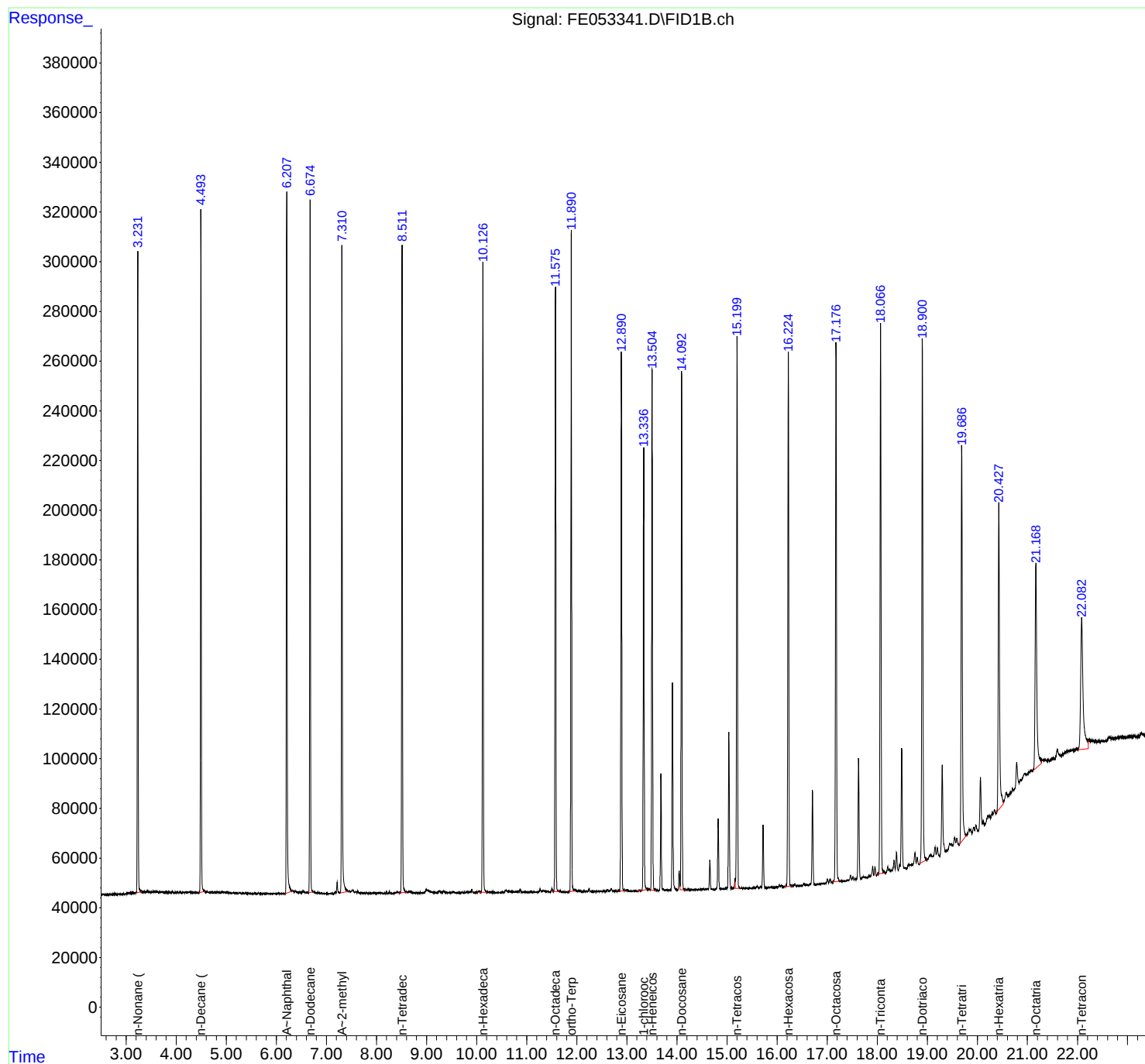
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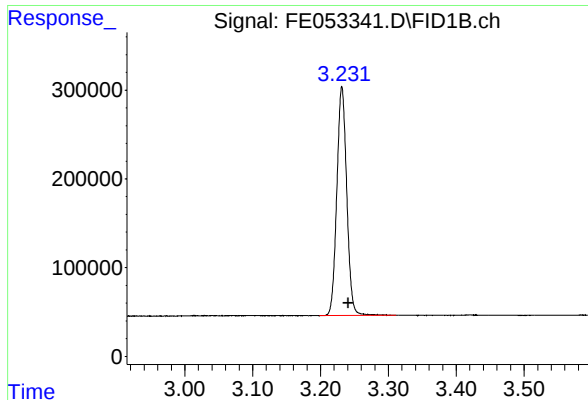
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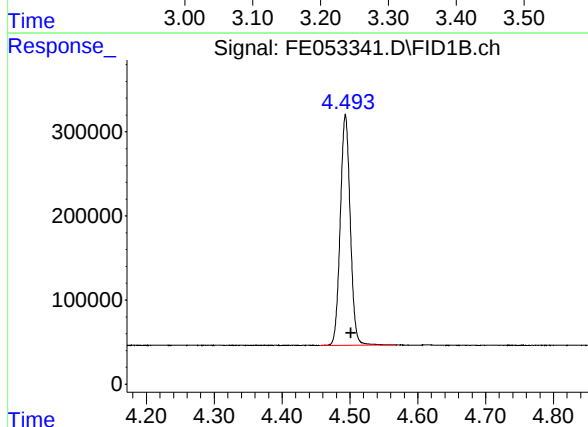
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.009 min
Response: 2619830
Conc: 16.92 ug/ml

Instrument :
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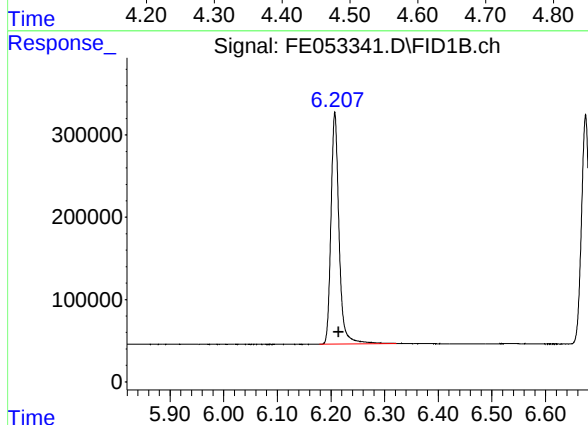
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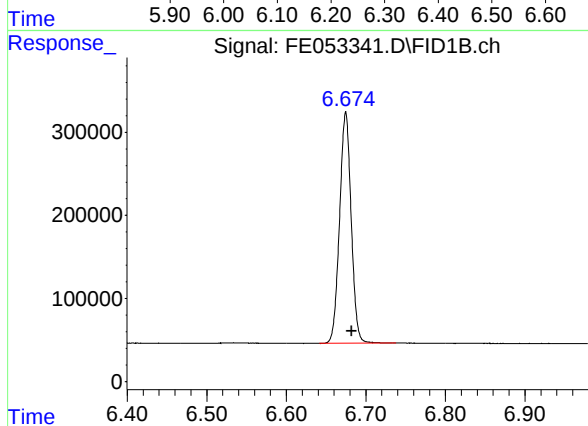
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: -0.008 min
Response: 2796678
Conc: 17.83 ug/ml



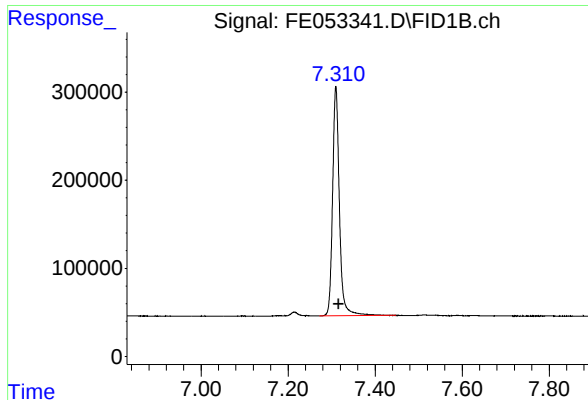
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: -0.007 min
Response: 2943961
Conc: 17.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.007 min
Response: 2817051
Conc: 18.01 ug/ml



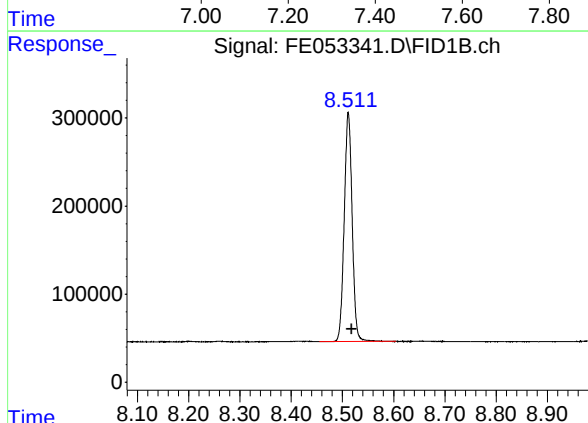
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.006 min
Response: 2832783
Conc: 17.75 ug/ml

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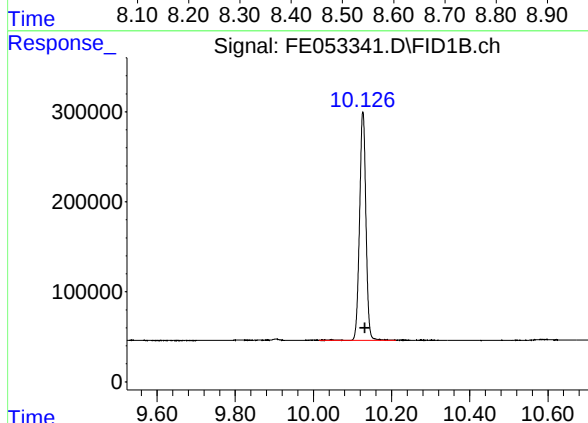
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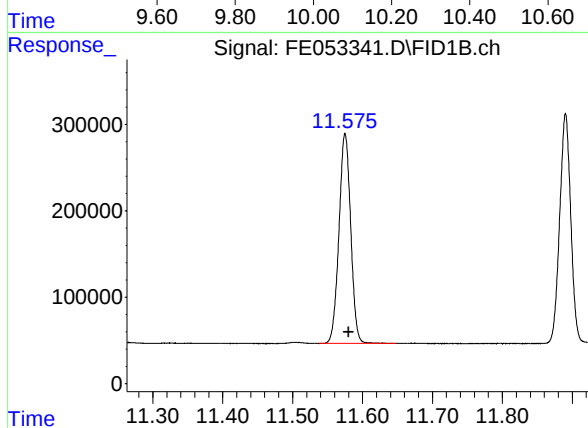
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: -0.006 min
Response: 2798138
Conc: 18.27 ug/ml



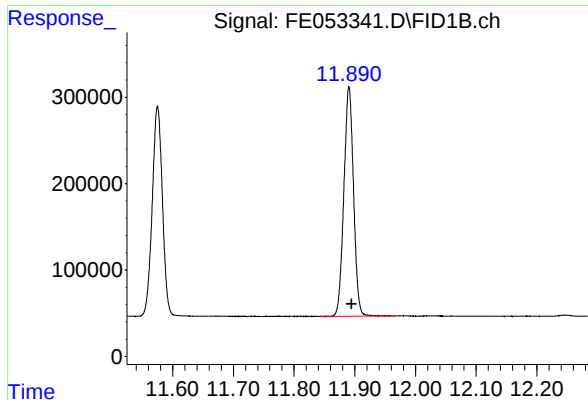
#7 n-Hexadecane (C16)

R.T.: 10.127 min
Delta R.T.: -0.005 min
Response: 2865961
Conc: 18.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.005 min
Response: 2832603
Conc: 18.68 ug/ml



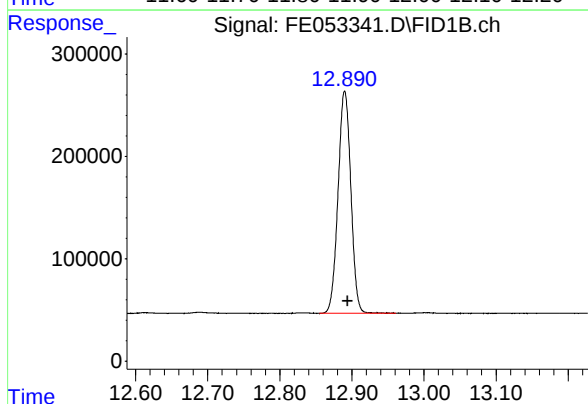
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 2934408
Conc: 18.02 ug/ml

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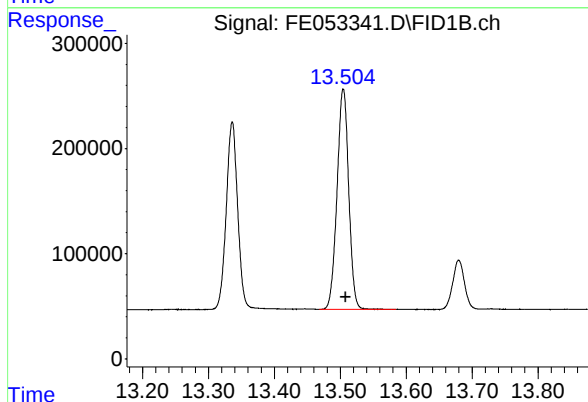
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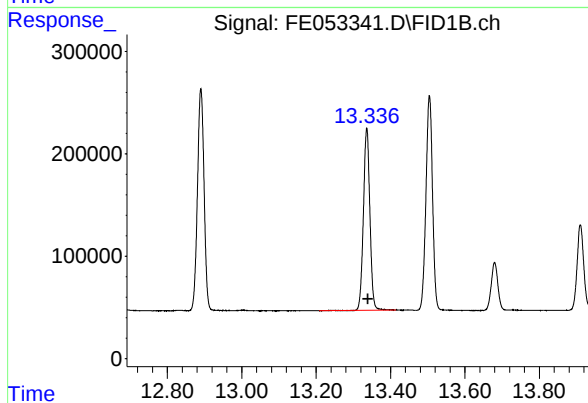
#10 n-Eicosane (C20)

R.T.: 12.890 min
Delta R.T.: -0.004 min
Response: 2680149
Conc: 18.80 ug/ml



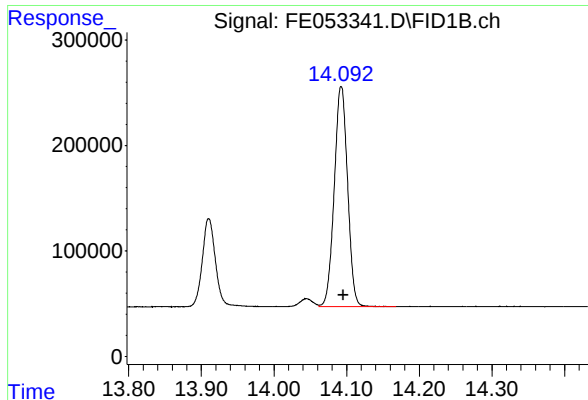
#11 n-Heneicosane (C21)

R.T.: 13.505 min
Delta R.T.: -0.004 min
Response: 2578840
Conc: 18.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.336 min
Delta R.T.: -0.004 min
Response: 2149577
Conc: 17.91 ug/ml



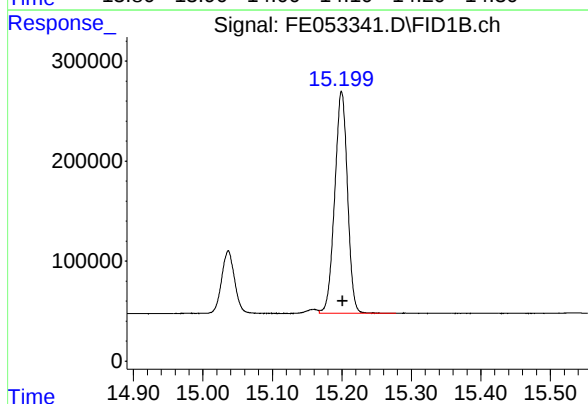
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.003 min
Response: 2657323
Conc: 19.40 ug/ml

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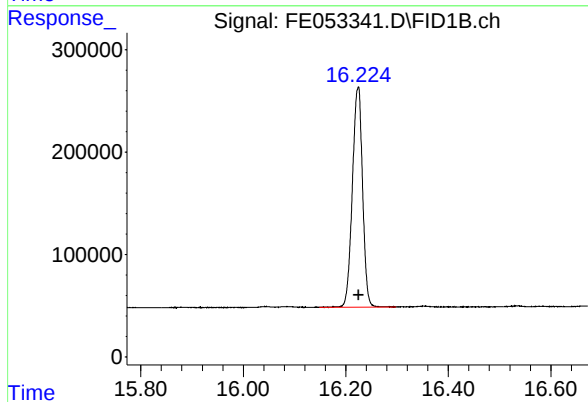
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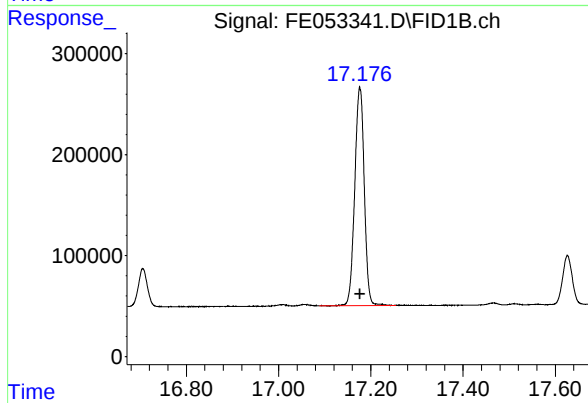
#14 n-Tetracosane (C24)

R.T.: 15.200 min
Delta R.T.: -0.002 min
Response: 2838537
Conc: 21.02 ug/ml



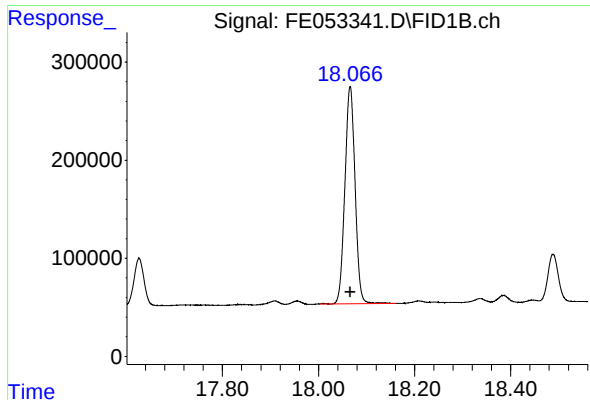
#15 n-Hexacosane (C26)

R.T.: 16.224 min
Delta R.T.: -0.002 min
Response: 2967430
Conc: 22.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.176 min
Delta R.T.: 0.000 min
Response: 3097233
Conc: 23.47 ug/ml



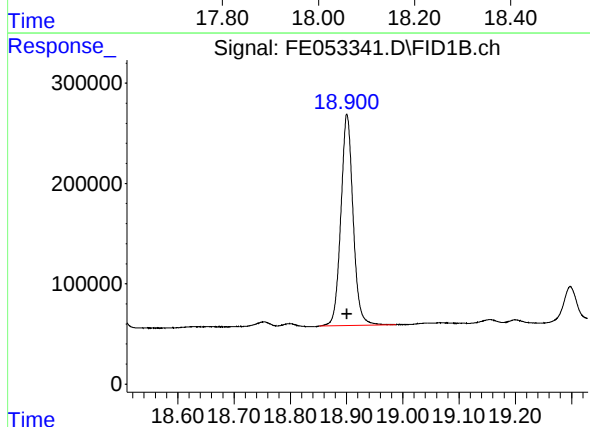
#17 n-Tricontane (C30)

R.T.: 18.066 min
Delta R.T.: 0.000 min
Response: 3254407
Conc: 24.01 ug/ml

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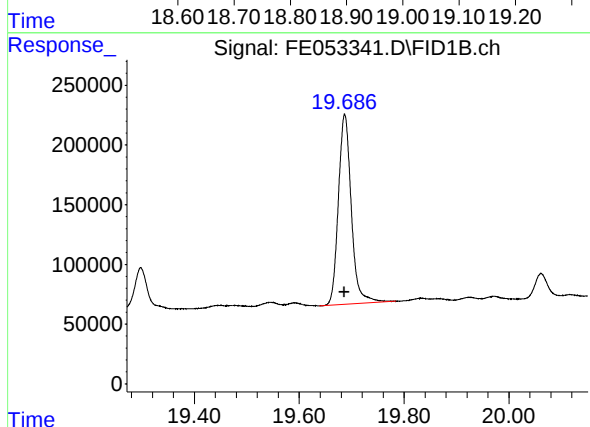
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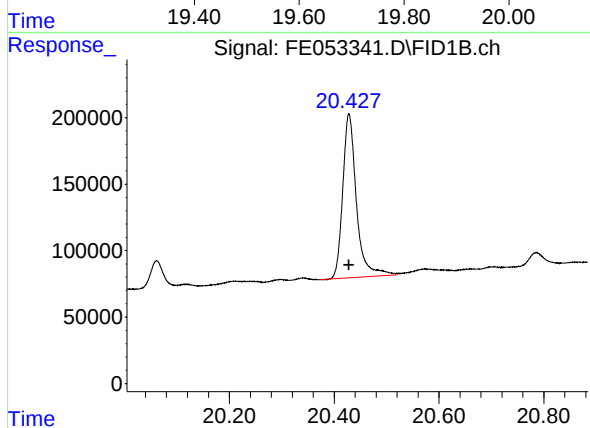
#18 n-Dotriacontane (C32)

R.T.: 18.901 min
Delta R.T.: 0.000 min
Response: 3181519
Conc: 23.64 ug/ml



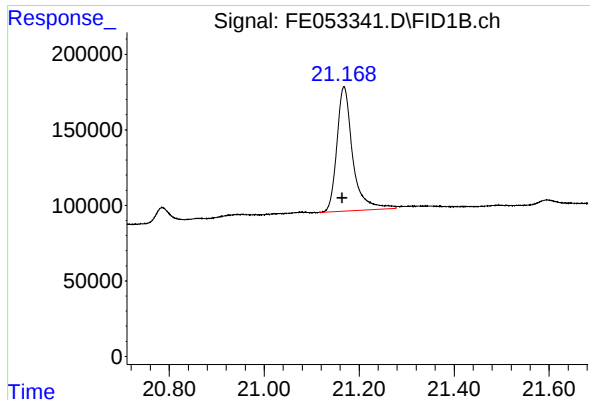
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min
Delta R.T.: 0.000 min
Response: 2719798
Conc: 21.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.428 min
Delta R.T.: 0.000 min
Response: 2226291
Conc: 18.74 ug/ml



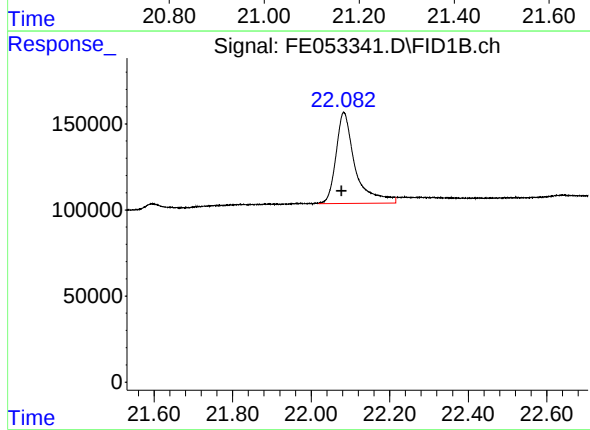
#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: 0.003 min
Response: 1905469
Conc: 16.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.082 min
Delta R.T.: 0.004 min
Response: 1799451
Conc: 16.02 ug/ml m