

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091824AL\
 Data File : FE050169.D
 Signal(s) : FID1B.ch
 Acq On : 18 Sep 2024 11:15
 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 09/19/2024
 Supervised By :Ankita Jodhani 09/19/2024

Integration File: autoint1.e
 Quant Time: Sep 19 01:27:29 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)	11.874	2977743	20.014 ug/ml
Spiked Amount 50.000		Recovery =	40.03%
12) S 1-chlorooctadecane (S...	13.309	2266344	20.176 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
Target Compounds			
1) T n-Nonane (C9)	3.261	2602470	19.200 ug/mlm
2) T n-Decane (C10)	4.513	2682913	19.440 ug/ml
3) T A~Naphthalene (C11.7)	6.222	2757987	19.704 ug/ml
4) T n-Dodecane (C12)	6.680	2701620	19.537 ug/ml
5) T A~2-methylnaphthalene...	7.318	2600368	19.784 ug/ml
6) T n-Tetradecane (C14)	8.507	2684591	19.715 ug/ml
7) T n-Hexadecane (C16)	10.113	2763410	19.895 ug/ml
8) T n-Octadecane (C18)	11.555	2797957	19.971 ug/ml
10) T n-Eicosane (C20)	12.863	2683802	20.007 ug/ml
11) T n-Heneicosane (C21)	13.475	2643805	20.121 ug/ml
13) T n-Docosane (C22)	14.060	2621065	20.128 ug/ml
14) T n-Tetracosane (C24)	15.162	2628991	20.132 ug/ml
15) T n-Hexacosane (C26)	16.181	2596740	20.297 ug/ml
16) T n-Octacosane (C28)	17.129	2662787	20.672 ug/ml
17) T n-Tricontane (C30)	18.017	2837580	21.220 ug/ml
18) T n-Dotriacontane (C32)	18.848	2869547	21.534 ug/ml
19) T n-Tetratriacontane (C34)	19.631	2676300	21.660 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2374539	21.402 ug/mlm
21) T n-Octatriacontane (C38)	21.096	2246537	20.371 ug/ml
22) T n-Tetracontane (C40)	21.987	2125002	19.529 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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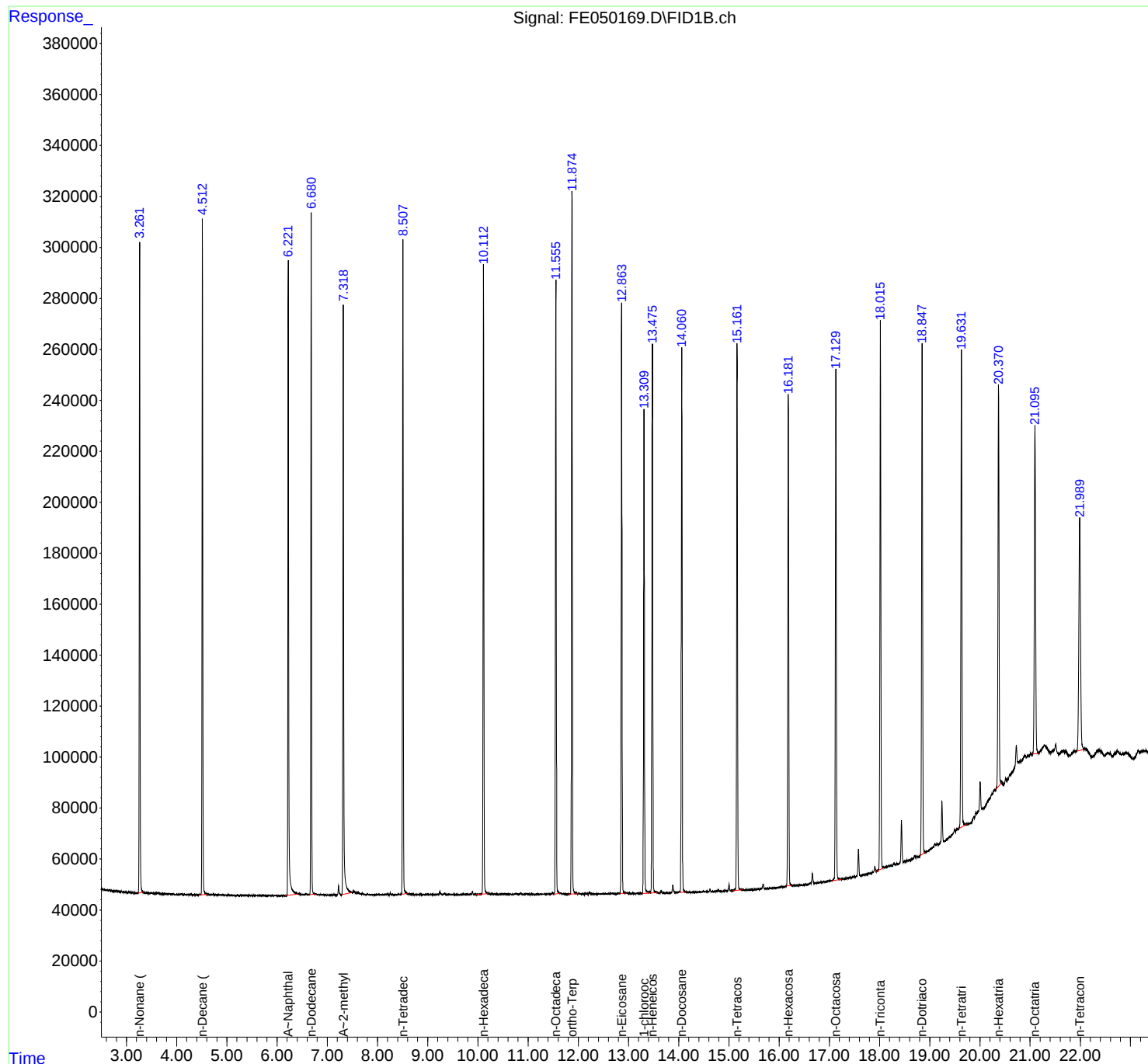
Instrument :
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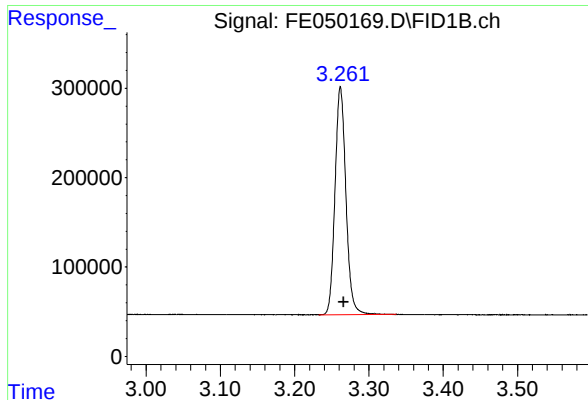
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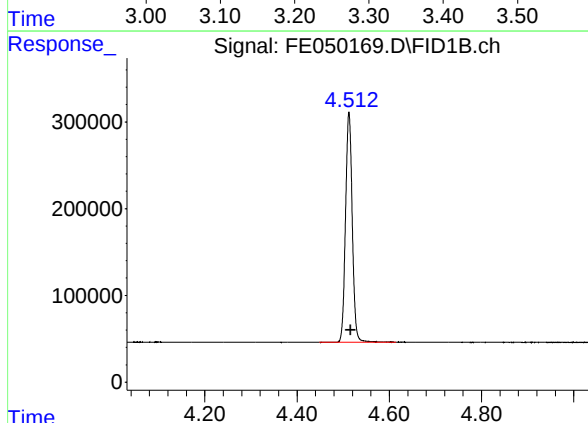
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.005 min
Response: 2602470
Conc: 19.20 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

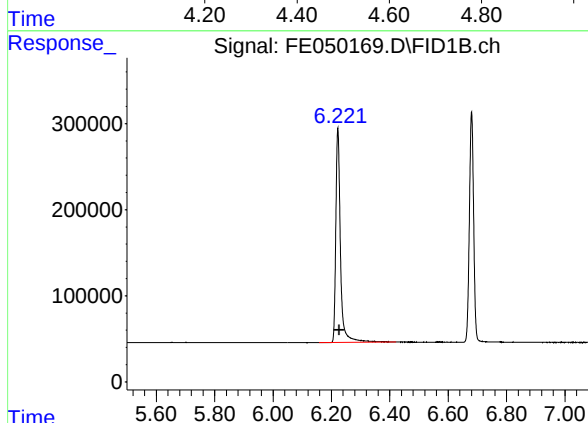
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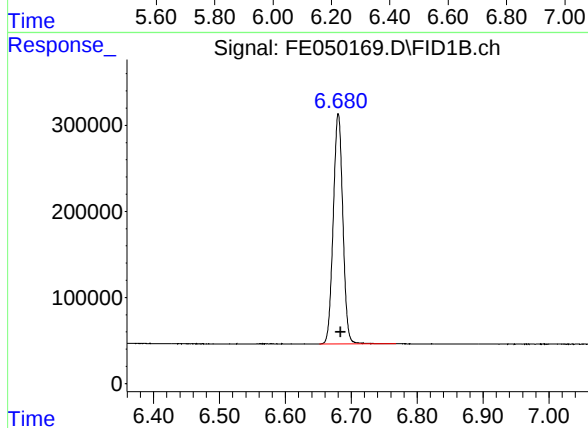
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: -0.004 min
Response: 2682913
Conc: 19.44 ug/ml



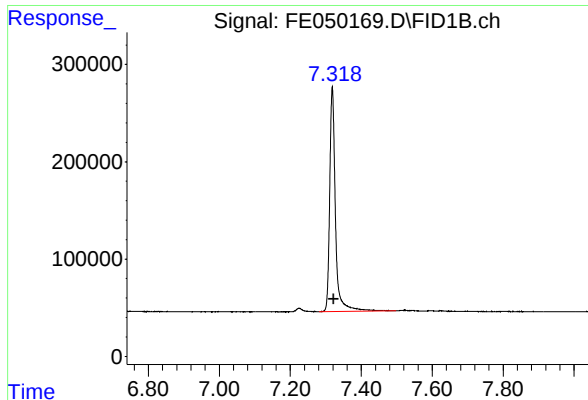
#3 A~Naphthalene (C11.7)

R.T.: 6.222 min
Delta R.T.: -0.005 min
Response: 2757987
Conc: 19.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: -0.003 min
Response: 2701620
Conc: 19.54 ug/ml



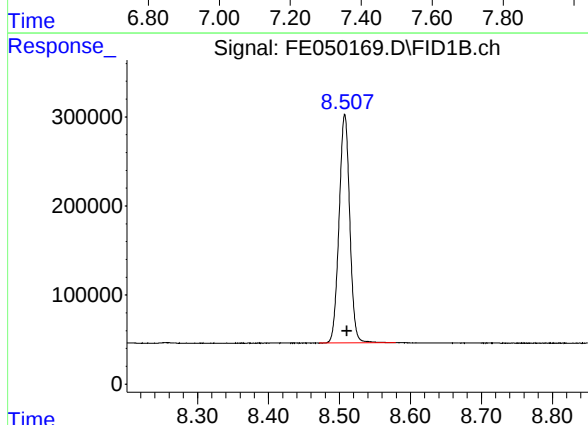
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: -0.005 min
Response: 2600368
Conc: 19.78 ug/ml

Instrument : FID_E
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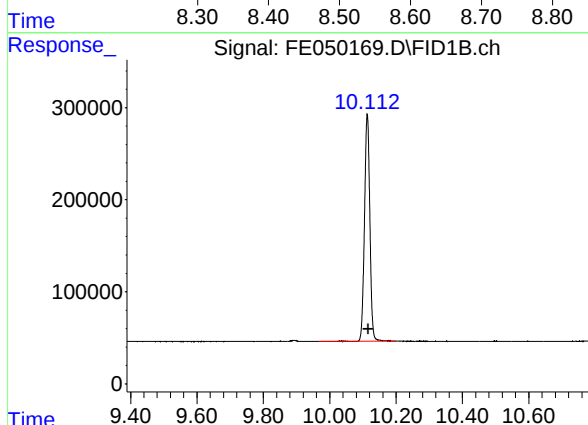
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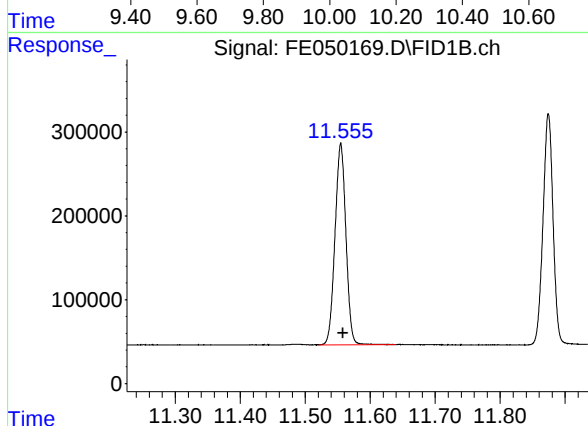
#6 n-Tetradecane (C14)

R.T.: 8.507 min
Delta R.T.: -0.003 min
Response: 2684591
Conc: 19.71 ug/ml



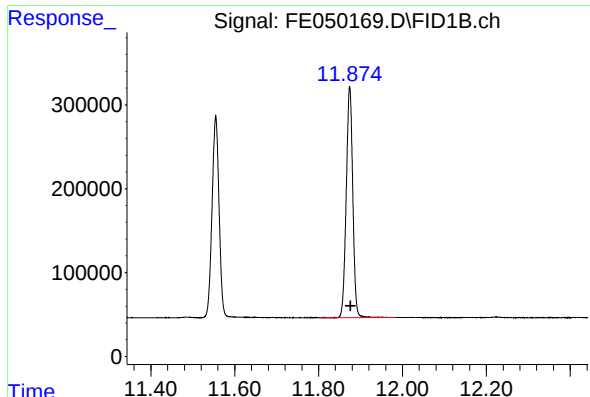
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.004 min
Response: 2763410
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.555 min
Delta R.T.: -0.004 min
Response: 2797957
Conc: 19.97 ug/ml



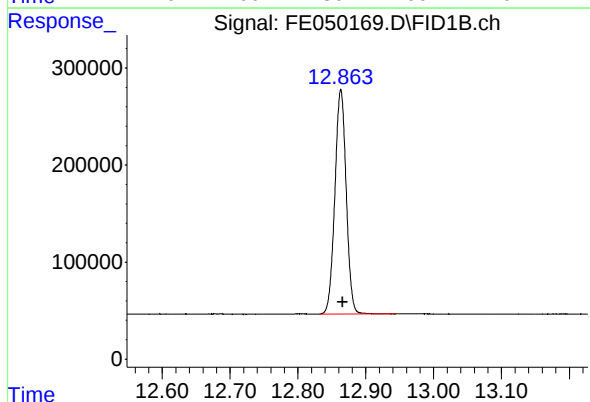
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.002 min
Response: 2977743
Conc: 20.01 ug/ml

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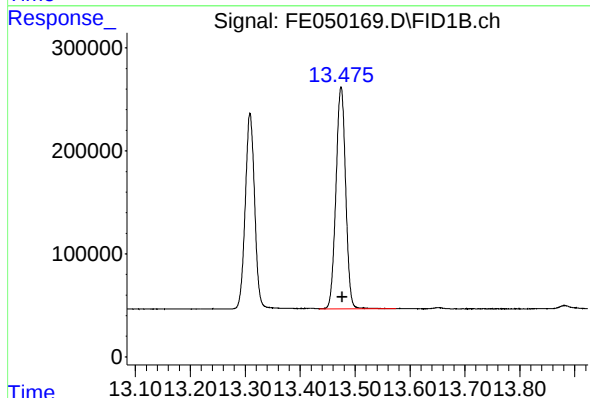
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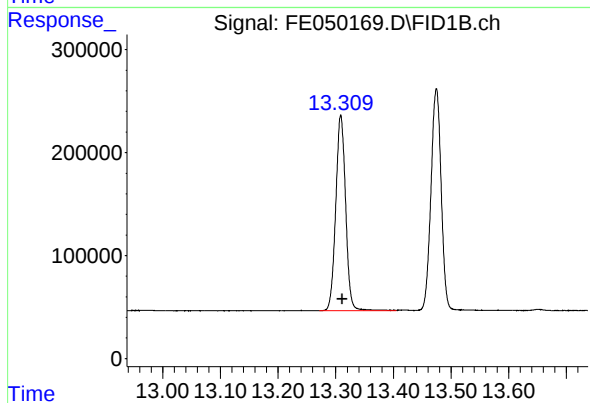
#10 n-Eicosane (C20)

R.T.: 12.863 min
Delta R.T.: -0.003 min
Response: 2683802
Conc: 20.01 ug/ml



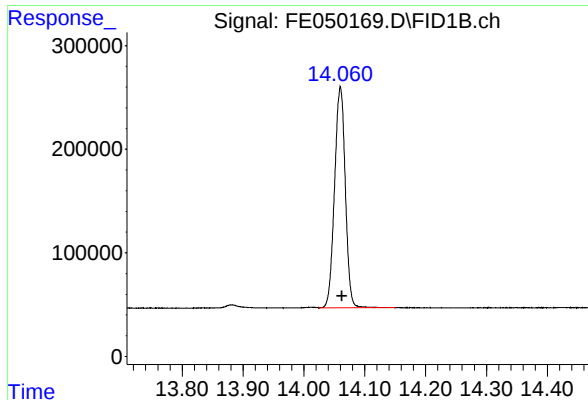
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.003 min
Response: 2643805
Conc: 20.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.003 min
Response: 2266344
Conc: 20.18 ug/ml



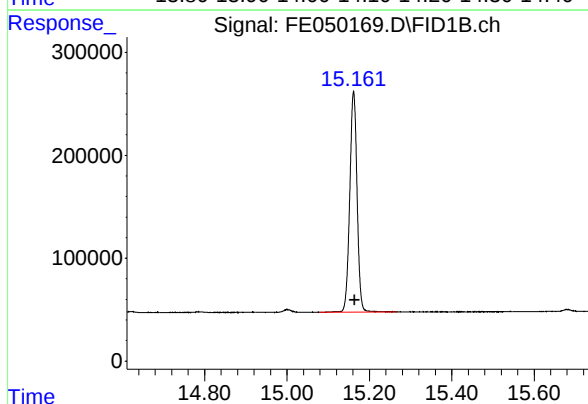
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.003 min
Response: 2621065
Conc: 20.13 ug/ml

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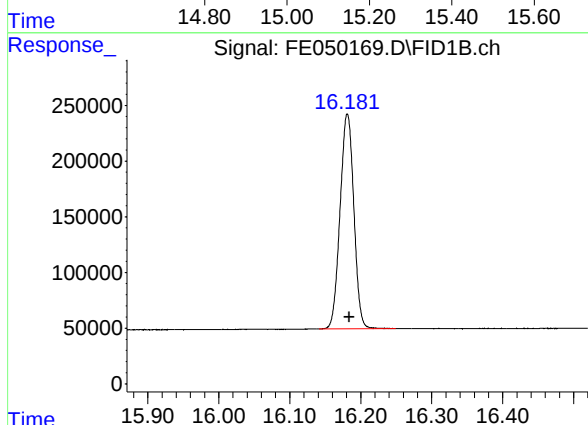
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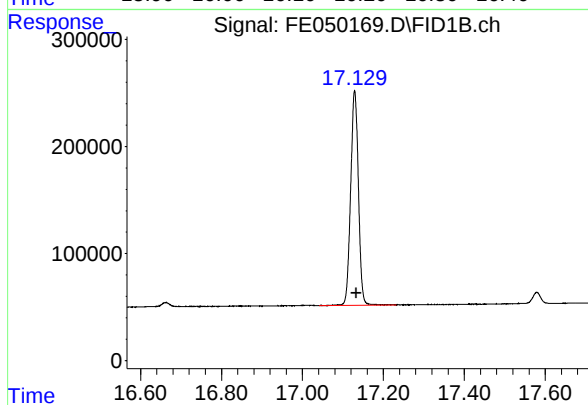
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.003 min
Response: 2628991
Conc: 20.13 ug/ml



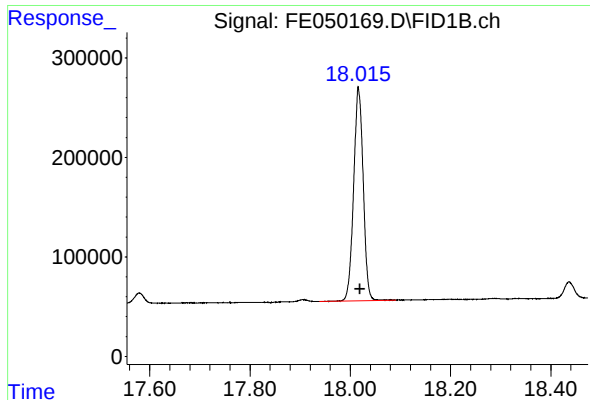
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.003 min
Response: 2596740
Conc: 20.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.004 min
Response: 2662787
Conc: 20.67 ug/ml



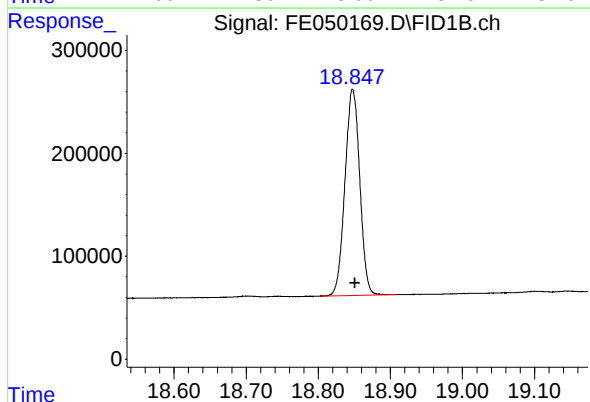
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.003 min
Response: 2837580
Conc: 21.22 ug/ml

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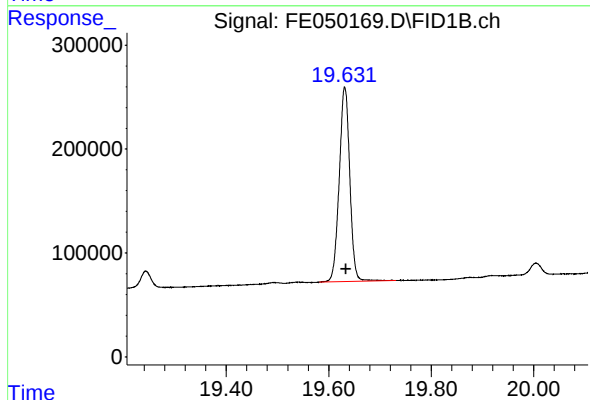
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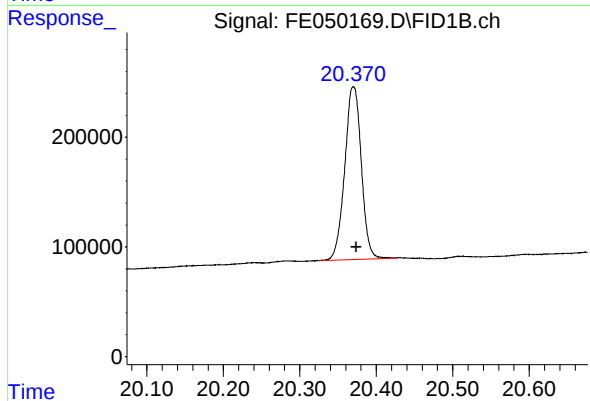
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.003 min
Response: 2869547
Conc: 21.53 ug/ml



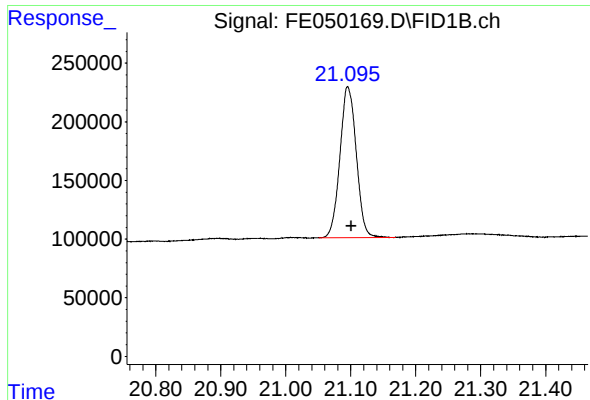
#19 n-Tetratriacontane (C34)

R.T.: 19.631 min
Delta R.T.: -0.002 min
Response: 2676300
Conc: 21.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.004 min
Response: 2374539
Conc: 21.40 ug/ml m



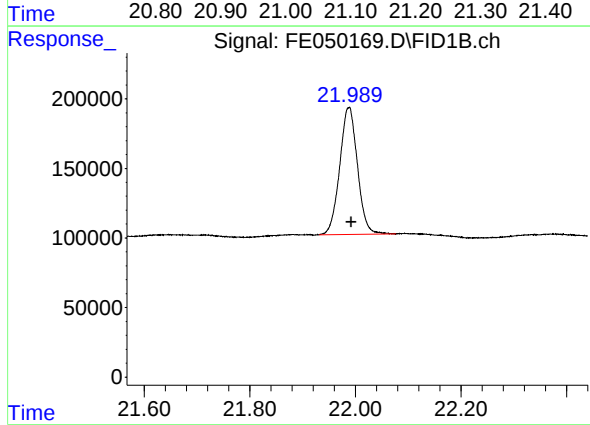
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.005 min
Response: 2246537
Conc: 20.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.005 min
Response: 2125002
Conc: 19.53 ug/ml