

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091224AL\
 Data File : FE050045.D
 Signal(s) : FID1B.ch
 Acq On : 11 Sep 2024 15:46
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/12/2024
 Supervised By :Ankita Jodhani 09/12/2024

Integration File: sample.E
 Quant Time: Sep 12 03:17:14 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	2942397	19.777 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
12) S 1-chlorooctadecane (S...	13.308	2242509	19.964 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
Target Compounds			
1) T n-Nonane (C9)	3.264	2666553	19.673 ug/ml
2) T n-Decane (C10)	4.514	2721945	19.723 ug/ml
3) T A~Naphthalene (C11.7)	6.223	2794454	19.965 ug/ml
4) T n-Dodecane (C12)	6.682	2725274	19.708 ug/ml
5) T A~2-methylnaphthalene...	7.318	2627150	19.988 ug/ml
6) T n-Tetradecane (C14)	8.509	2690970	19.762 ug/ml
7) T n-Hexadecane (C16)	10.114	2753440	19.823 ug/ml
8) T n-Octadecane (C18)	11.555	2767393	19.753 ug/ml
10) T n-Eicosane (C20)	12.863	2648477	19.743 ug/ml
11) T n-Heneicosane (C21)	13.474	2600577	19.792 ug/ml
13) T n-Docosane (C22)	14.060	2585319	19.854 ug/ml
14) T n-Tetracosane (C24)	15.161	2585542	19.799 ug/ml
15) T n-Hexacosane (C26)	16.181	2526374	19.747 ug/ml
16) T n-Octacosane (C28)	17.129	2542751	19.740 ug/mlm
17) T n-Tricontane (C30)	18.015	2614130	19.549 ug/ml
18) T n-Dotriacontane (C32)	18.848	2605080	19.549 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2407525	19.484 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2217809	19.989 ug/mlm
21) T n-Octatriacontane (C38)	21.097	2121224	19.235 ug/ml
22) T n-Tetracontane (C40)	21.986	2007404	18.448 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

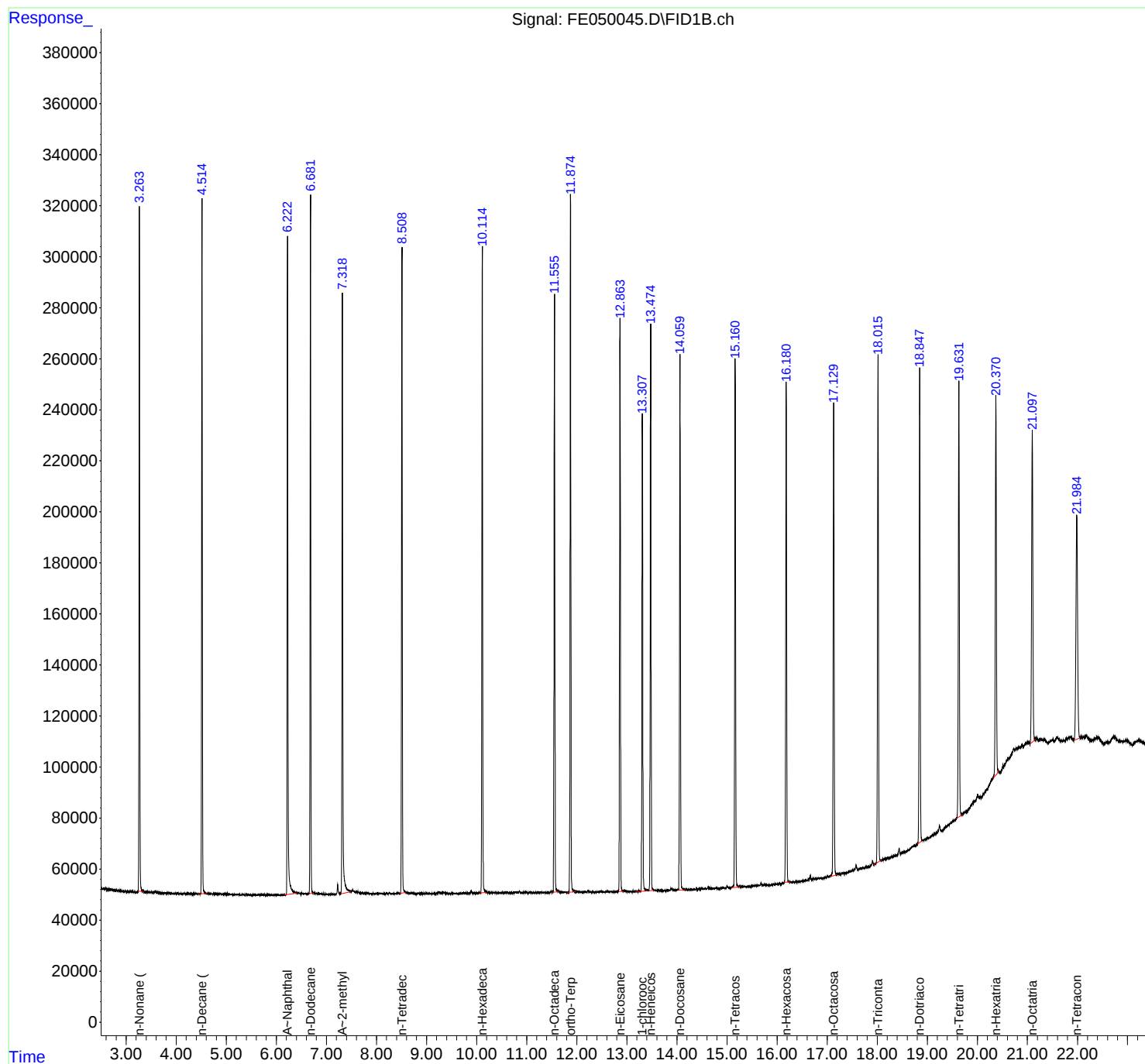
Instrument :
FID_E
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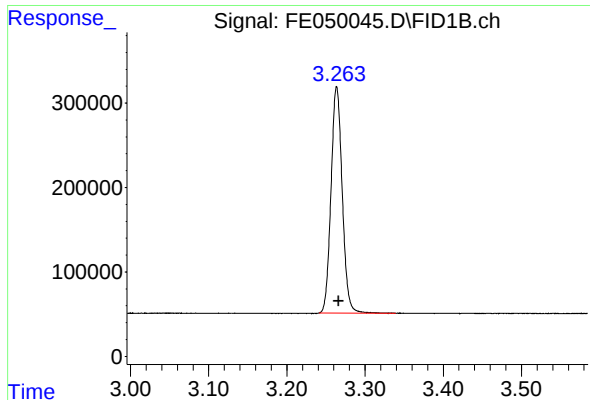
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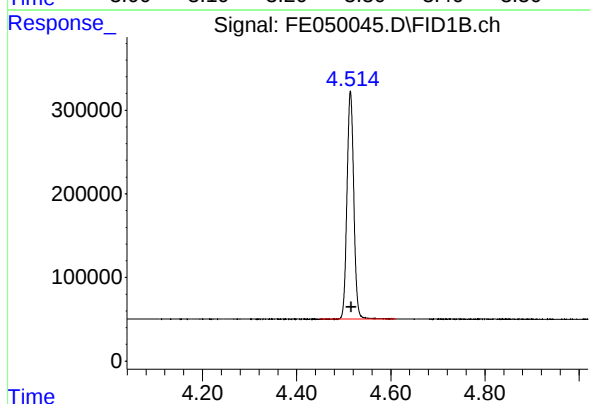
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2666553
Conc: 19.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

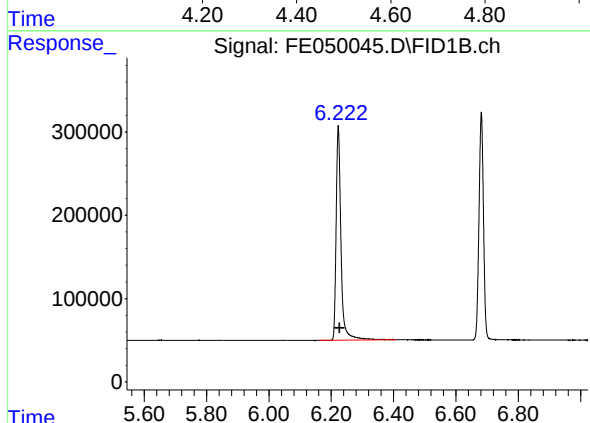
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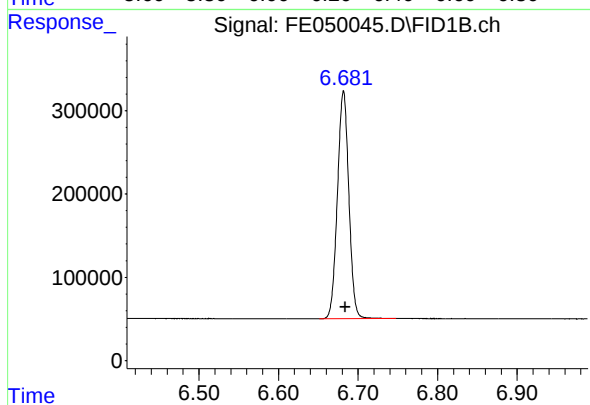
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 2721945
Conc: 19.72 ug/ml



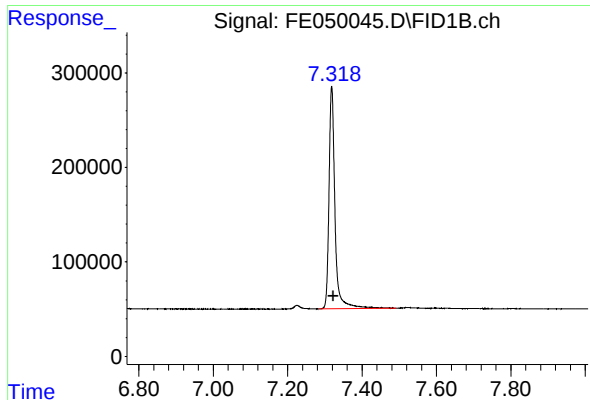
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.004 min
Response: 2794454
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 2725274
Conc: 19.71 ug/ml



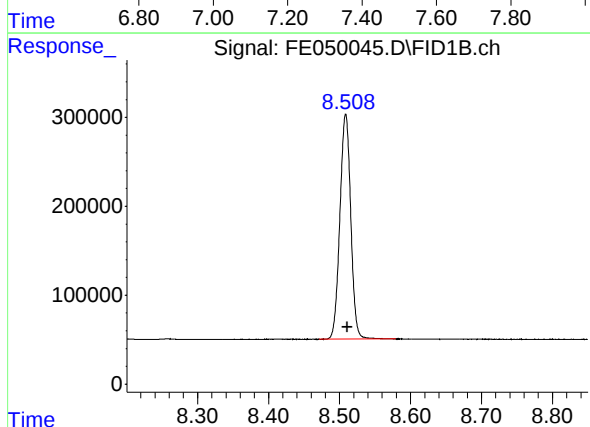
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.318 min
Delta R.T.: -0.005 min
Response: 2627150
Conc: 19.99 ug/ml

Instrument :
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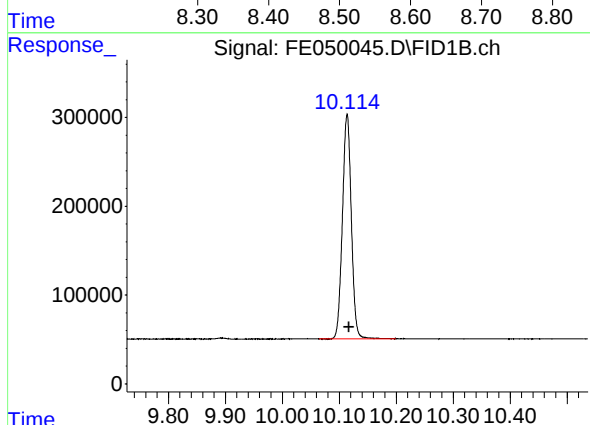
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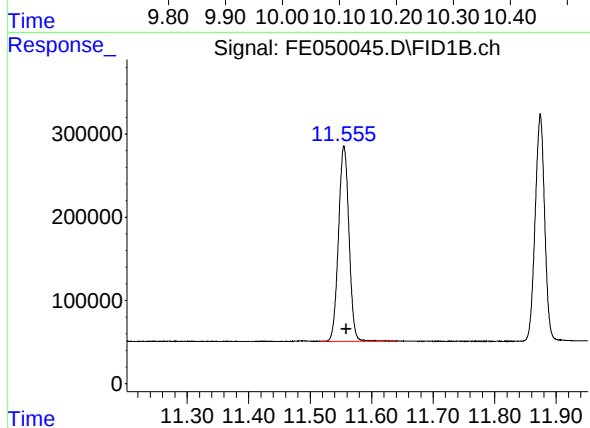
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2690970
Conc: 19.76 ug/ml



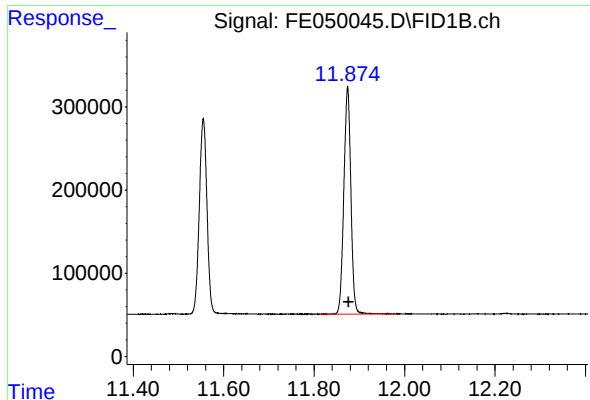
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.003 min
Response: 2753440
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.555 min
Delta R.T.: -0.004 min
Response: 2767393
Conc: 19.75 ug/ml



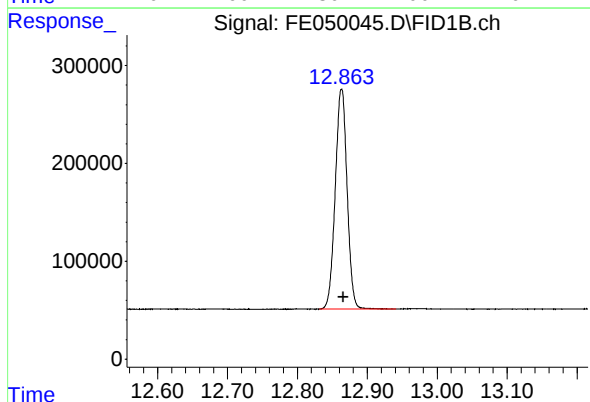
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.002 min
Response: 2942397
Conc: 19.78 ug/ml

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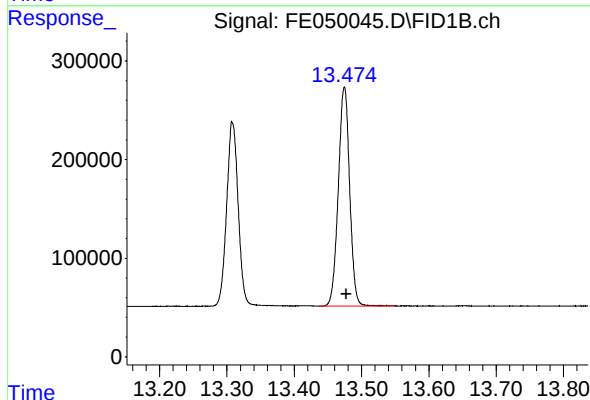
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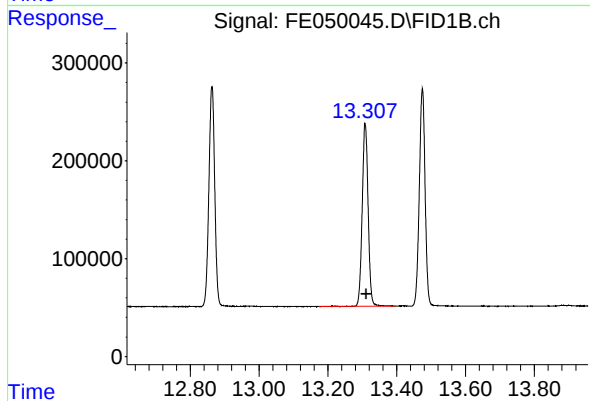
#10 n-Eicosane (C20)

R.T.: 12.863 min
Delta R.T.: -0.003 min
Response: 2648477
Conc: 19.74 ug/ml



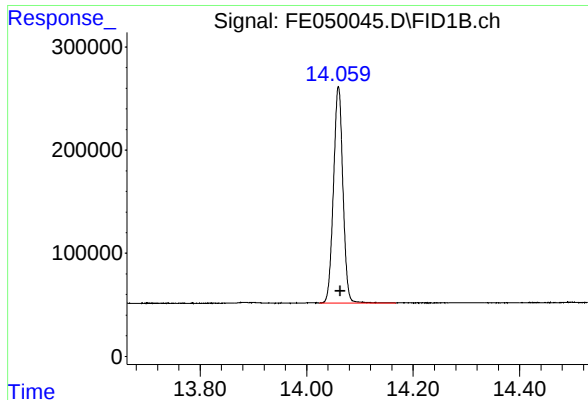
#11 n-Heneicosane (C21)

R.T.: 13.474 min
Delta R.T.: -0.003 min
Response: 2600577
Conc: 19.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.003 min
Response: 2242509
Conc: 19.96 ug/ml



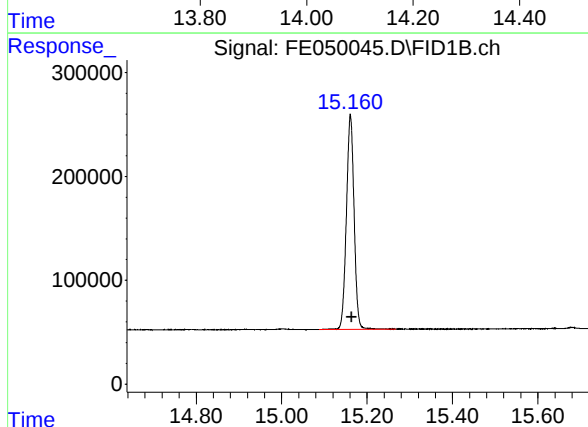
#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.003 min
Response: 2585319
Conc: 19.85 ug/ml

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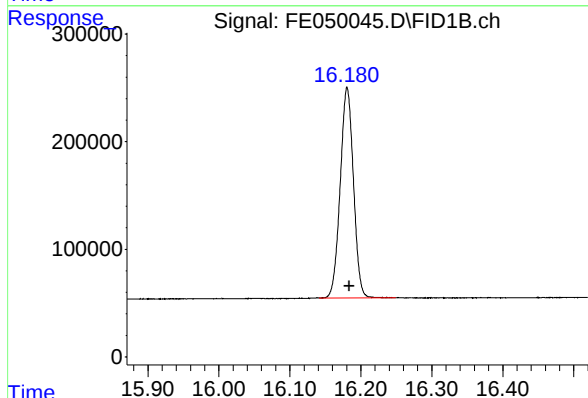
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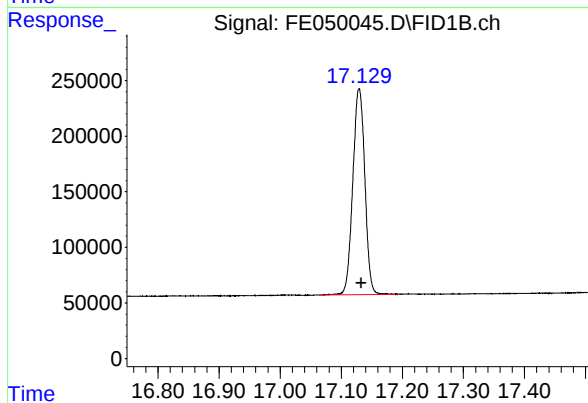
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: -0.003 min
Response: 2585542
Conc: 19.80 ug/ml



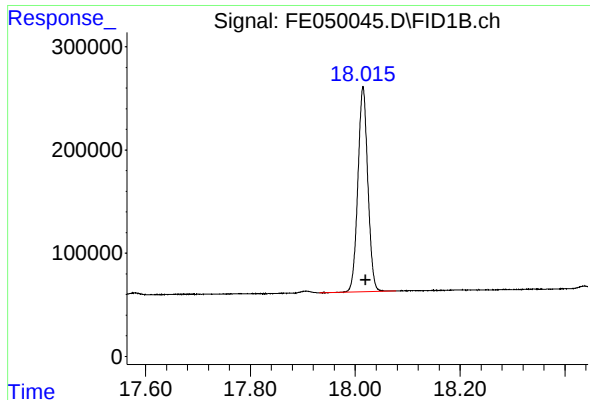
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.003 min
Response: 2526374
Conc: 19.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.004 min
Response: 2542751
Conc: 19.74 ug/ml m



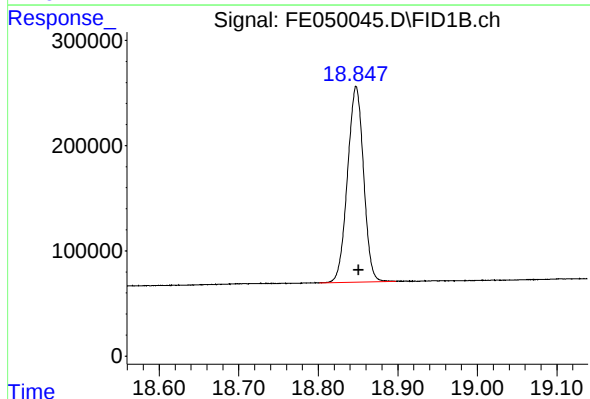
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: -0.005 min
Response: 2614130
Conc: 19.55 ug/ml

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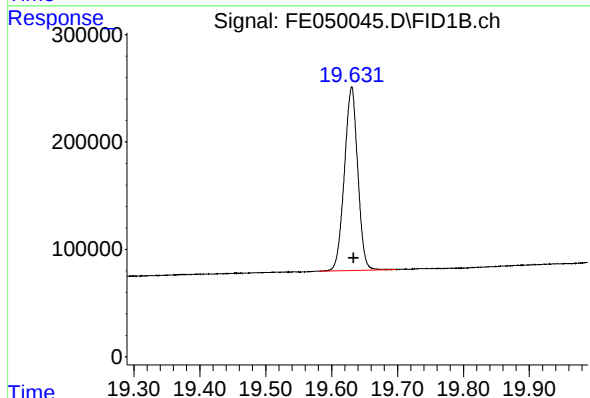
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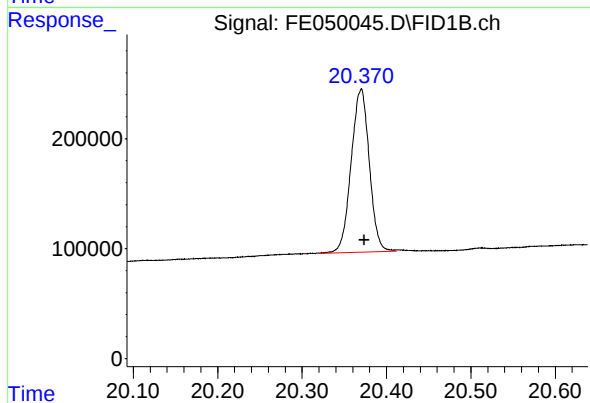
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.004 min
Response: 2605080
Conc: 19.55 ug/ml



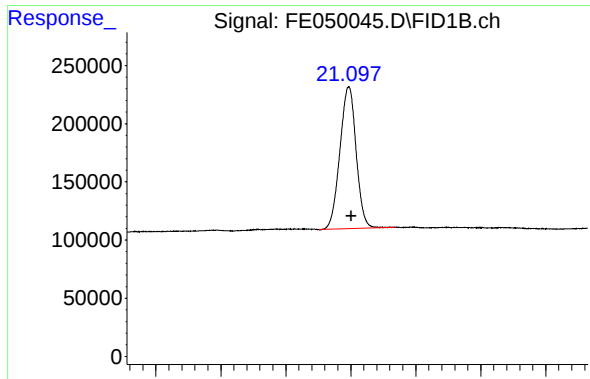
#19 n-Tetatriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.003 min
Response: 2407525
Conc: 19.48 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.004 min
Response: 2217809
Conc: 19.99 ug/ml m



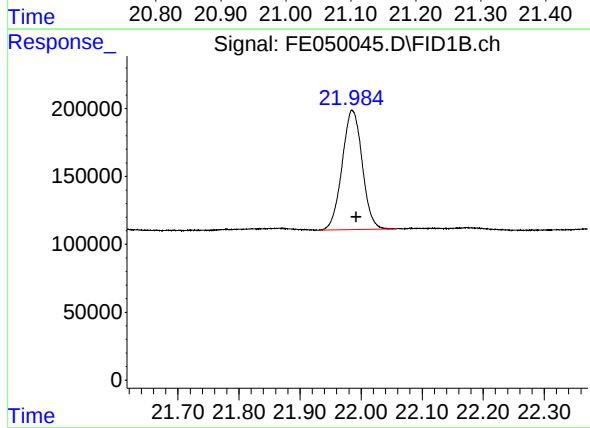
#21 n-Octatriacontane (C38)

R.T.: 21.097 min
Delta R.T.: -0.004 min
Response: 2121224
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.986 min
Delta R.T.: -0.007 min
Response: 2007404
Conc: 18.45 ug/ml