

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092523AL\
 Data File : FE044440.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2023 23:58
 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 09/26/2023
 Supervised By :Ankita Jodhani 09/26/2023

Integration File: autoint1.e
 Quant Time: Sep 26 05:00:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 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)	11.924	3731813	19.878 ug/ml
Spiked Amount 50.000		Recovery =	39.76%
12) S 1-chlorooctadecane (S...	13.363	2735222	20.105 ug/ml
Spiked Amount 50.000		Recovery =	40.21%
Target Compounds			
1) T n-Nonane (C9)	3.313	3180550	19.590 ug/ml
2) T n-Decane (C10)	4.564	3246708	19.607 ug/ml
3) T A~Naphthalene (C11.7)	6.265	3547868	19.844 ug/ml
4) T n-Dodecane (C12)	6.728	3279061	19.714 ug/ml
5) T A~2-methylnaphthalene...	7.361	3408393	19.922 ug/ml
6) T n-Tetradecane (C14)	8.555	3250766	19.802 ug/ml
7) T n-Hexadecane (C16)	10.163	3361045	19.840 ug/ml
8) T n-Octadecane (C18)	11.608	3370347	19.850 ug/ml
10) T n-Eicosane (C20)	12.919	3195094	19.859 ug/ml
11) T n-Heneicosane (C21)	13.531	3108162	19.850 ug/ml
13) T n-Docosane (C22)	14.117	3060519	19.844 ug/ml
14) T n-Tetracosane (C24)	15.220	2993349	19.802 ug/ml
15) T n-Hexacosane (C26)	16.242	2912765	19.802 ug/ml
16) T n-Octacosane (C28)	17.193	2850642	19.876 ug/ml
17) T n-Tricontane (C30)	18.082	2972007	20.050 ug/ml
18) T n-Dotriacontane (C32)	18.916	3007369	20.315 ug/ml
19) T n-Tetratriacontane (C34)	19.701	2981195	20.399 ug/mlm
20) T n-Hexatriacontane (C36)	20.443	2905959	20.034 ug/ml
21) T n-Octatriacontane (C38)	21.187	2904298	19.389 ug/mlm
22) T n-Tetracontane (C40)	22.107	3369429	21.351 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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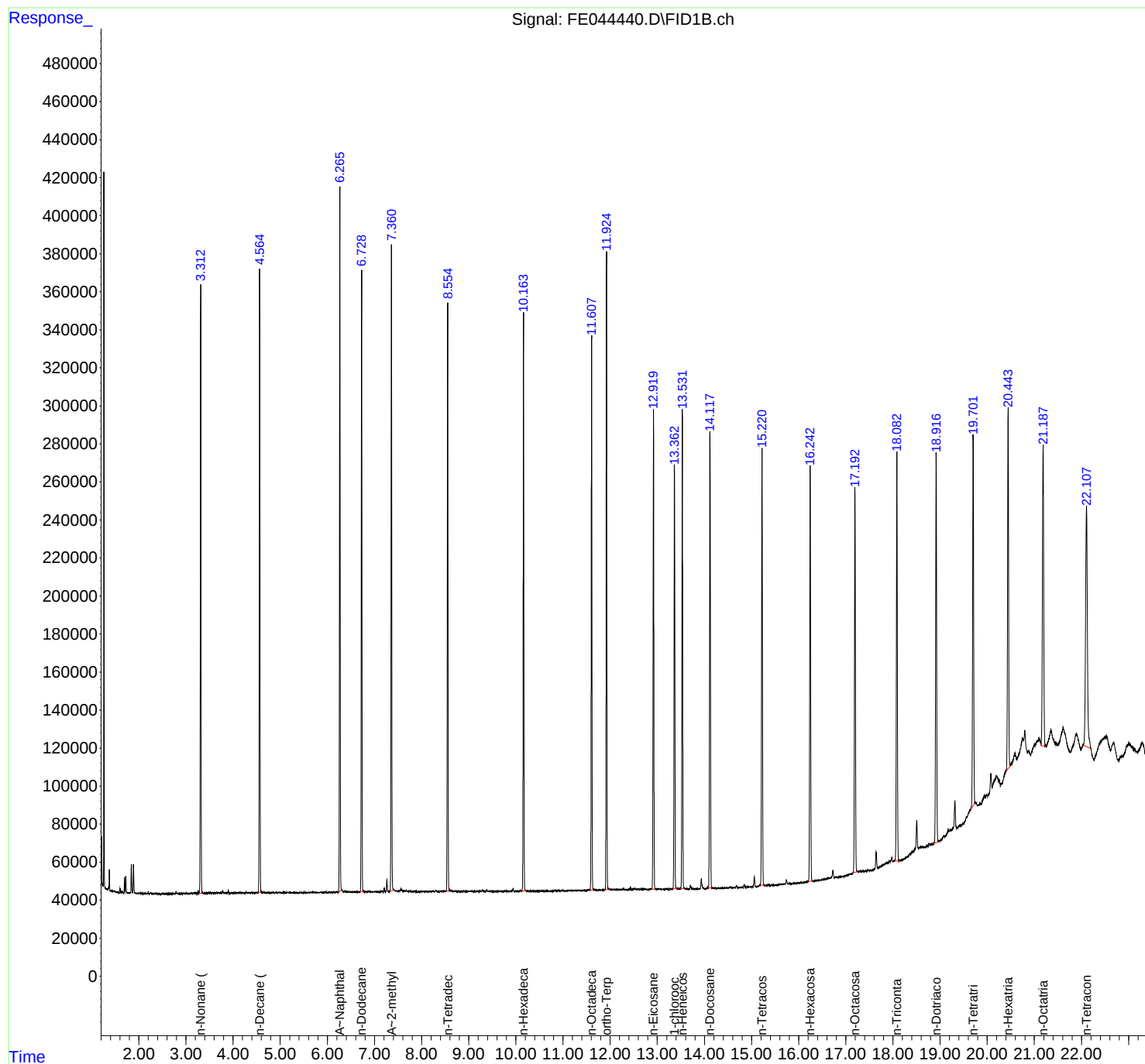
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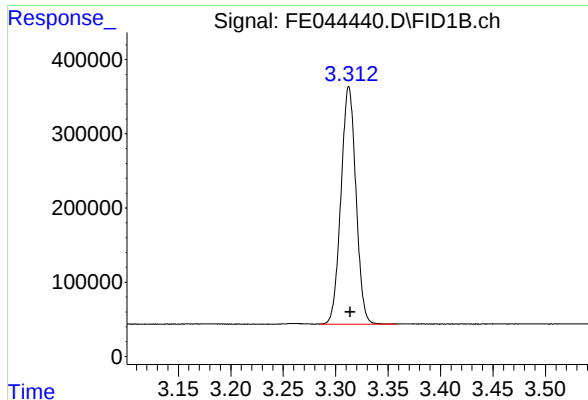
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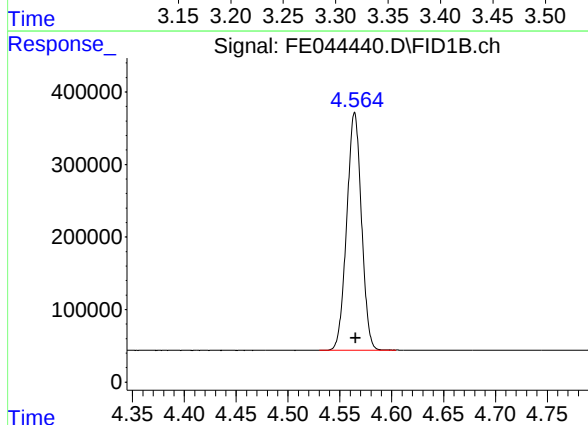
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: -0.001 min
Response: 3180550
Conc: 19.59 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

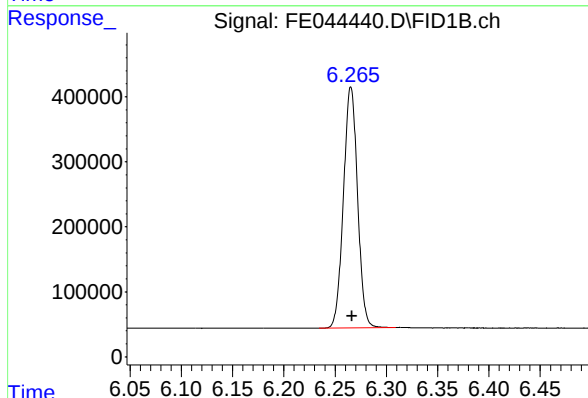
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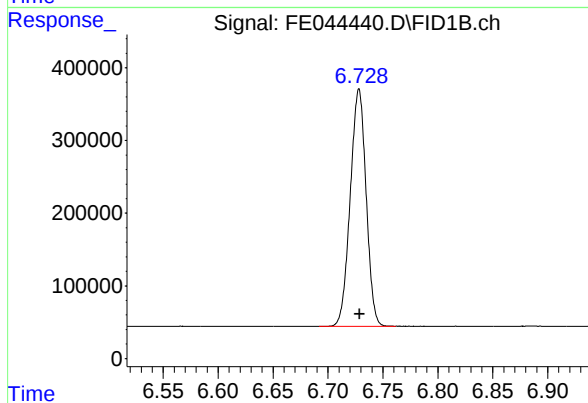
#2 n-Decane (C10)

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 3246708
Conc: 19.61 ug/ml



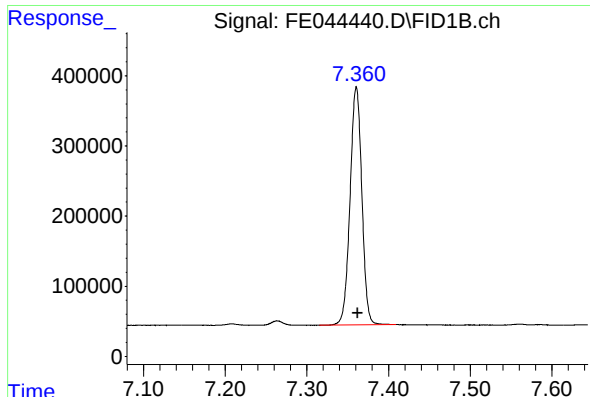
#3 A~Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: -0.001 min
Response: 3547868
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.728 min
Delta R.T.: 0.000 min
Response: 3279061
Conc: 19.71 ug/ml



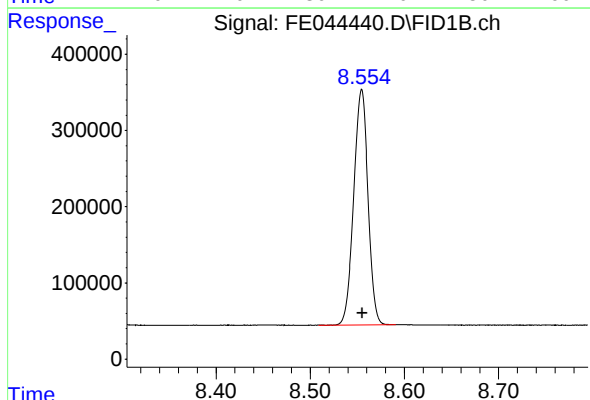
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.361 min
Delta R.T.: -0.001 min
Response: 3408393
Conc: 19.92 ug/ml

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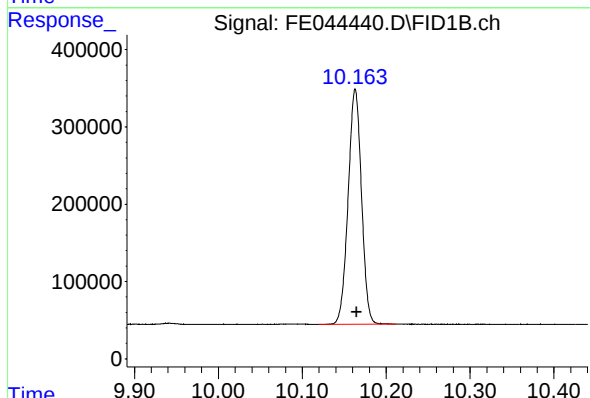
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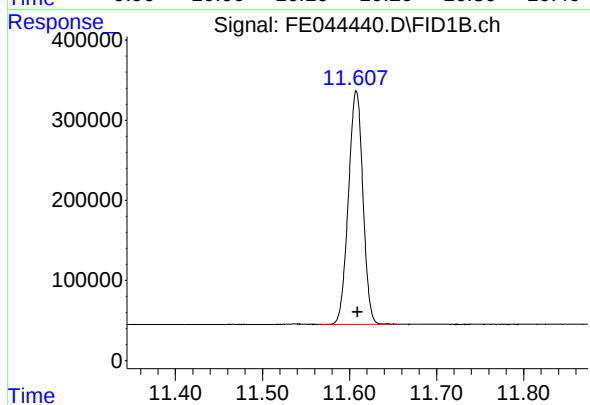
#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 3250766
Conc: 19.80 ug/ml



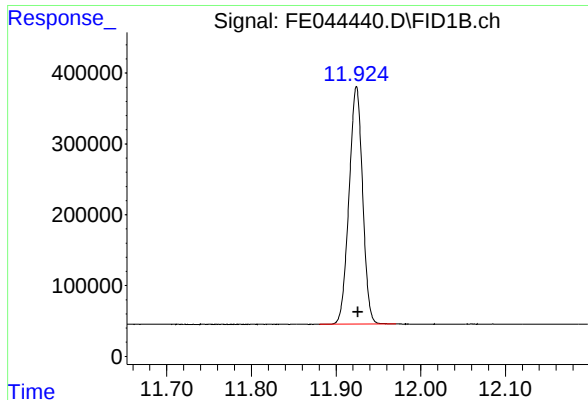
#7 n-Hexadecane (C16)

R.T.: 10.163 min
Delta R.T.: -0.001 min
Response: 3361045
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.608 min
Delta R.T.: -0.002 min
Response: 3370347
Conc: 19.85 ug/ml



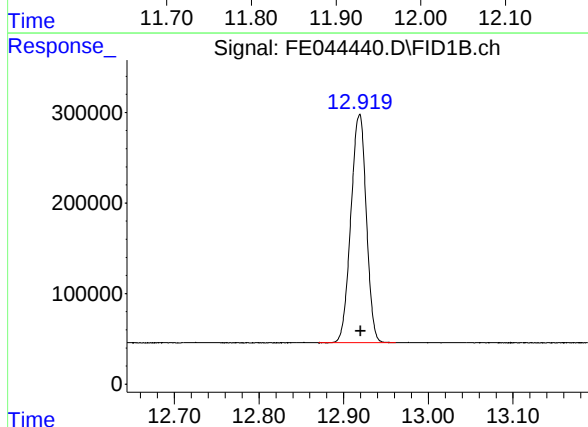
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.002 min
Response: 3731813
Conc: 19.88 ug/ml

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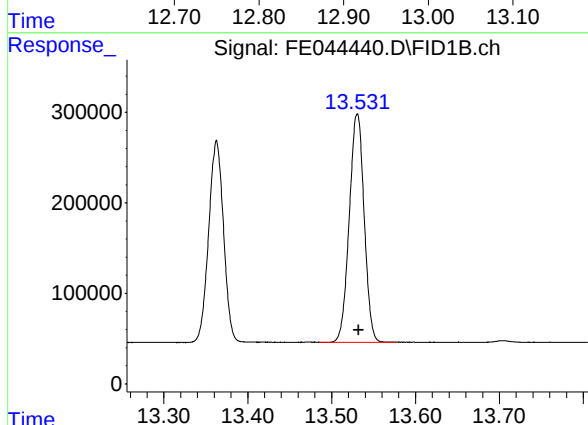
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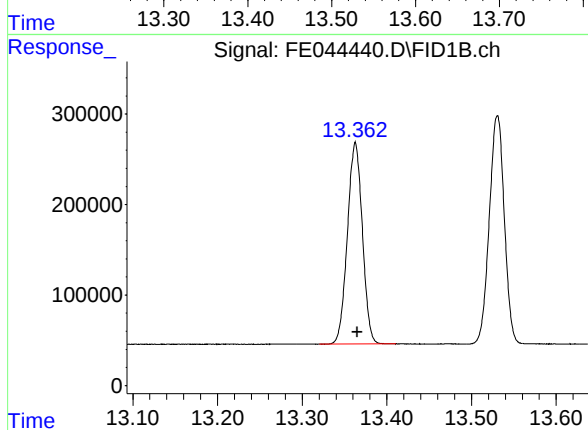
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: -0.001 min
Response: 3195094
Conc: 19.86 ug/ml



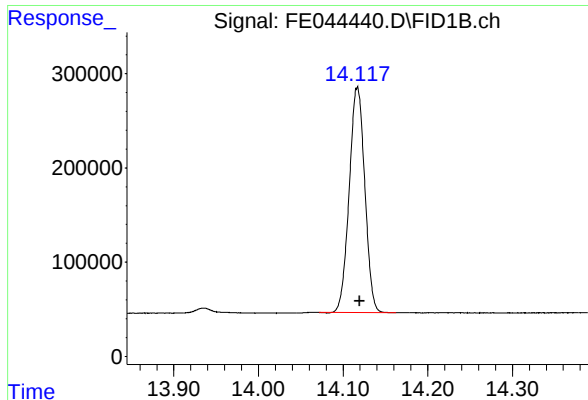
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.002 min
Response: 3108162
Conc: 19.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.363 min
Delta R.T.: -0.002 min
Response: 2735222
Conc: 20.11 ug/ml



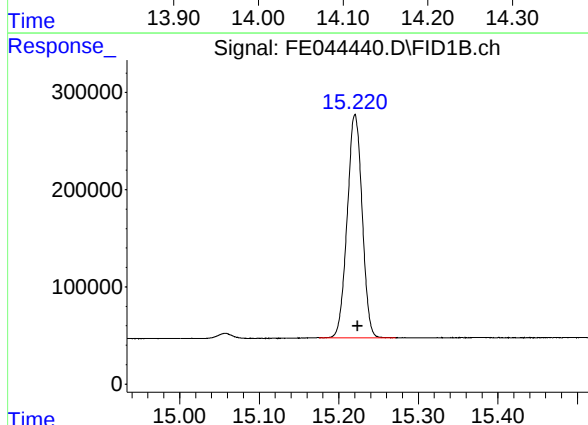
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.003 min
Response: 3060519
Conc: 19.84 ug/ml

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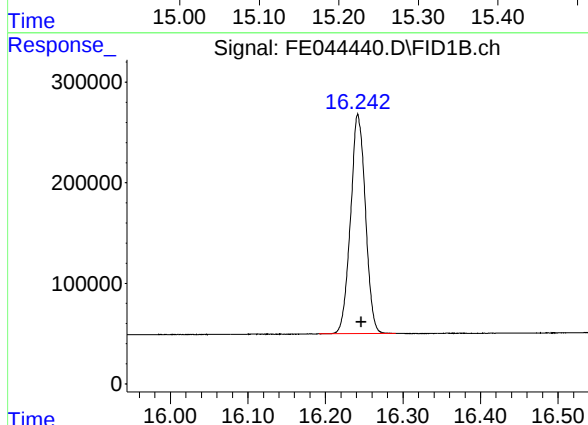
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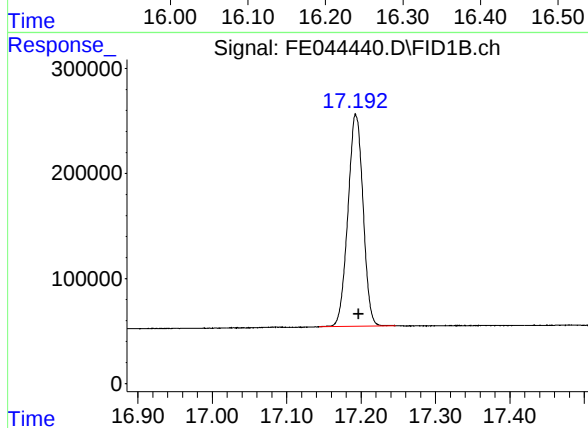
#14 n-Tetracosane (C24)

R.T.: 15.220 min
Delta R.T.: -0.003 min
Response: 2993349
Conc: 19.80 ug/ml



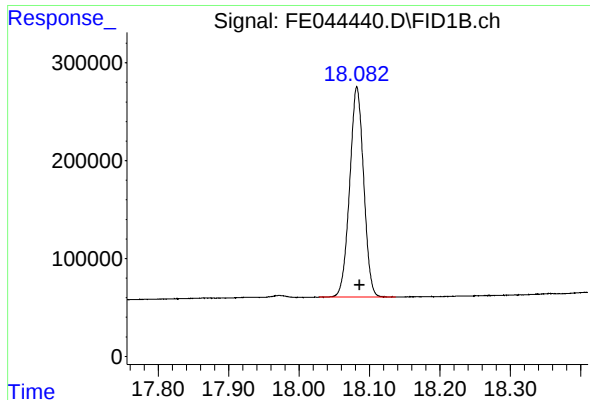
#15 n-Hexacosane (C26)

R.T.: 16.242 min
Delta R.T.: -0.004 min
Response: 2912765
Conc: 19.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.004 min
Response: 2850642
Conc: 19.88 ug/ml



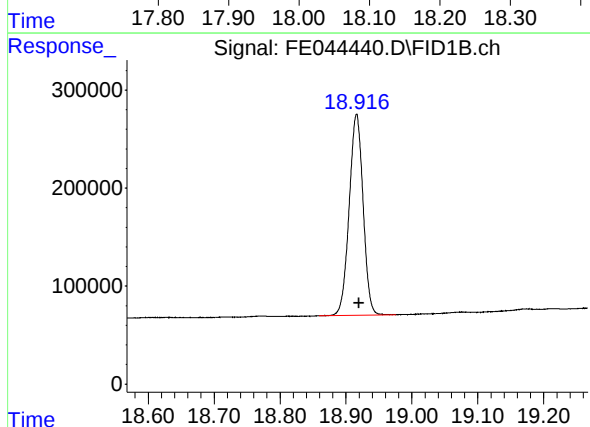
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.004 min
Response: 2972007
Conc: 20.05 ug/ml

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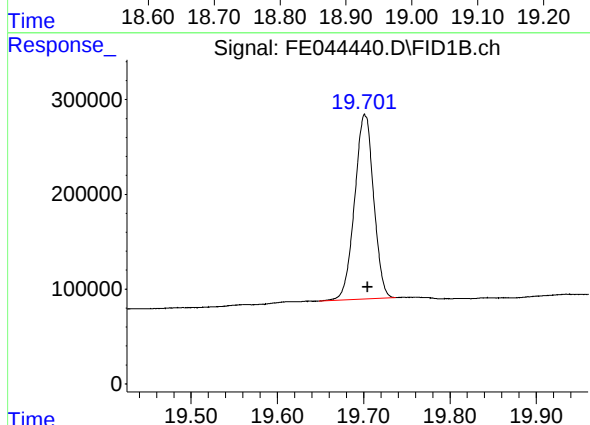
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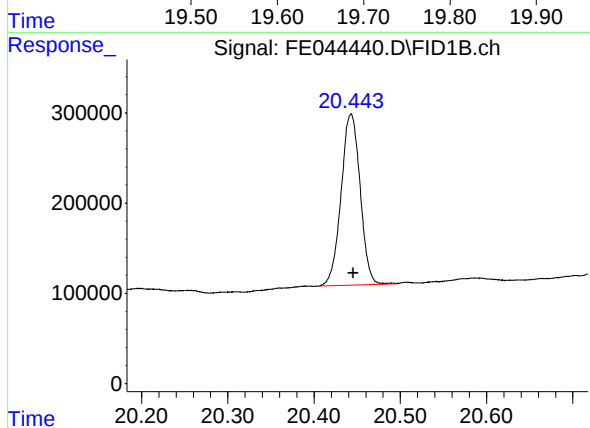
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: -0.004 min
Response: 3007369
Conc: 20.32 ug/ml



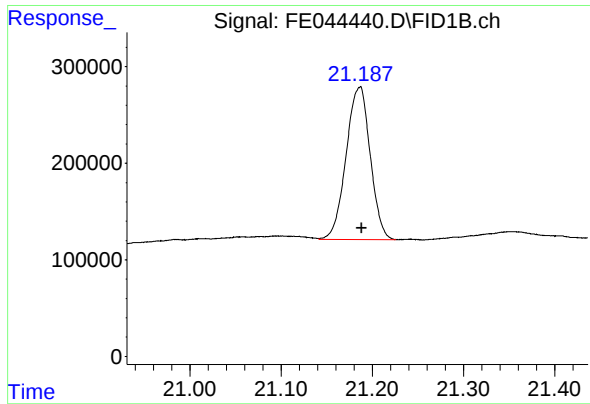
#19 n-Tetatriacontane (C34)

R.T.: 19.701 min
Delta R.T.: -0.004 min
Response: 2981195
Conc: 20.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.443 min
Delta R.T.: -0.003 min
Response: 2905959
Conc: 20.03 ug/ml



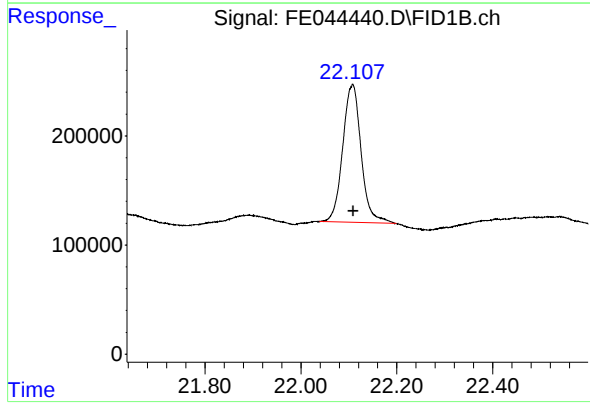
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: -0.001 min
Response: 2904298
Conc: 19.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: -0.002 min
Response: 3369429
Conc: 21.35 ug/ml m