

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091223AL\
 Data File : FE044209.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2023 06:53
 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 09/12/2023
 Supervised By :Ankita Jodhani 09/12/2023

Integration File: autoint1.e
 Quant Time: Sep 12 08:22:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.932	4239501	22.378 ug/ml
Spiked Amount 50.000		Recovery =	44.76%
12) S 1-chlorooctadecane (S...	13.371	3199672	23.161 ug/ml
Spiked Amount 50.000		Recovery =	46.32%
Target Compounds			
1) T n-Nonane (C9)	3.320	3535861	21.675 ug/ml
2) T n-Decane (C10)	4.571	3593970	21.623 ug/ml
3) T A~Naphthalene (C11.7)	6.272	3900444	21.782 ug/ml
4) T n-Dodecane (C12)	6.735	3641218	21.651 ug/ml
5) T A~2-methylnaphthalene...	7.368	3807354	22.209 ug/ml
6) T n-Tetradecane (C14)	8.562	3621366	21.594 ug/ml
7) T n-Hexadecane (C16)	10.170	3679002	21.286 ug/ml
8) T n-Octadecane (C18)	11.615	3682667	21.156 ug/ml
10) T n-Eicosane (C20)	12.925	3561663	21.532 ug/ml
11) T n-Heneicosane (C21)	13.538	3498217	21.627 ug/ml
13) T n-Docosane (C22)	14.125	3446267	21.571 ug/ml
14) T n-Tetracosane (C24)	15.228	3351264	21.431 ug/ml
15) T n-Hexacosane (C26)	16.251	3229101	21.420 ug/ml
16) T n-Octacosane (C28)	17.200	3094444	21.443 ug/ml
17) T n-Tricontane (C30)	18.090	3084984	21.235 ug/ml
18) T n-Dotriacontane (C32)	18.924	3049599	21.409 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2985503	21.334 ug/ml
20) T n-Hexatriacontane (C36)	20.450	3034234	22.132 ug/ml
21) T n-Octatriacontane (C38)	21.193	3010413	21.686 ug/ml
22) T n-Tetracontane (C40)	22.114	3159285	22.850 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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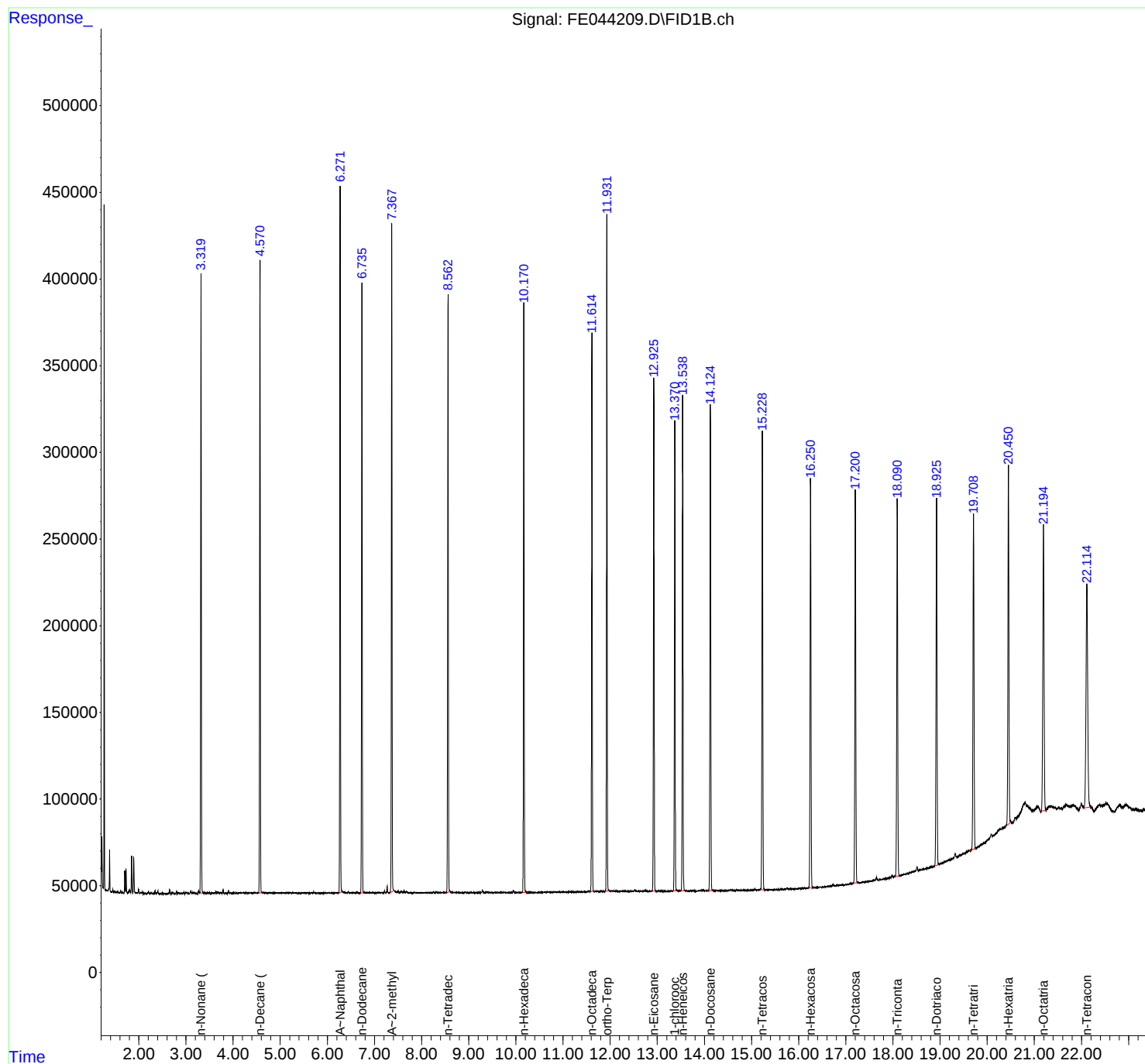
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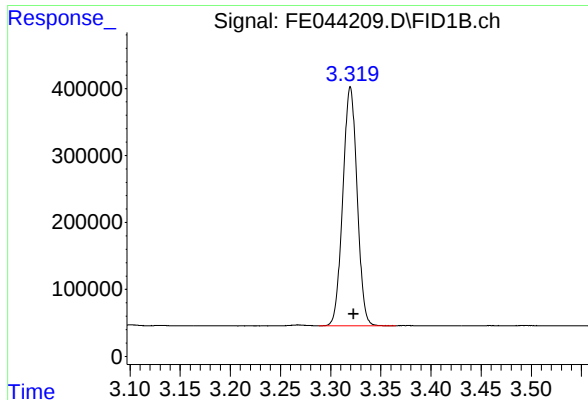
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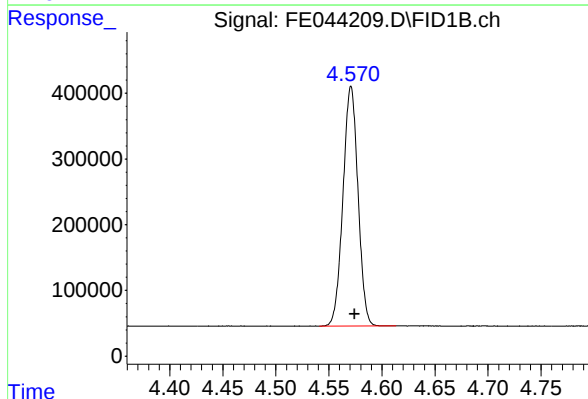
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.003 min
Response: 3535861
Conc: 21.67 ug/ml

Instrument : FID_E
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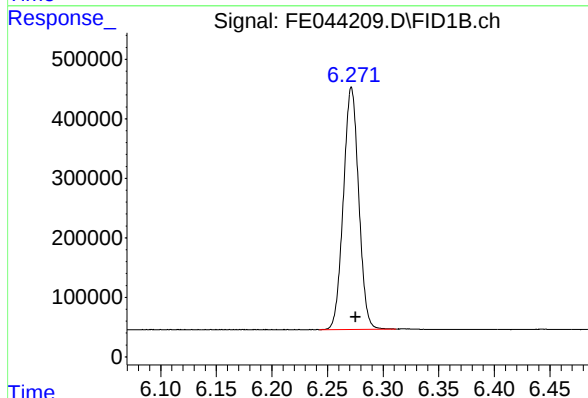
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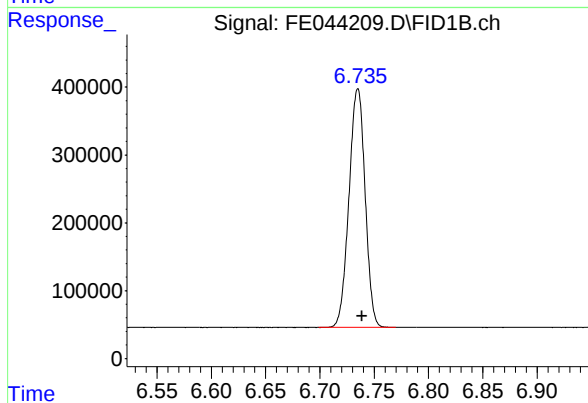
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.003 min
Response: 3593970
Conc: 21.62 ug/ml



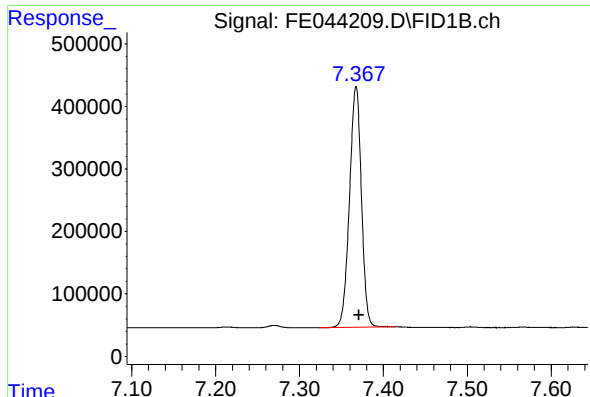
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: -0.004 min
Response: 3900444
Conc: 21.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 3641218
Conc: 21.65 ug/ml



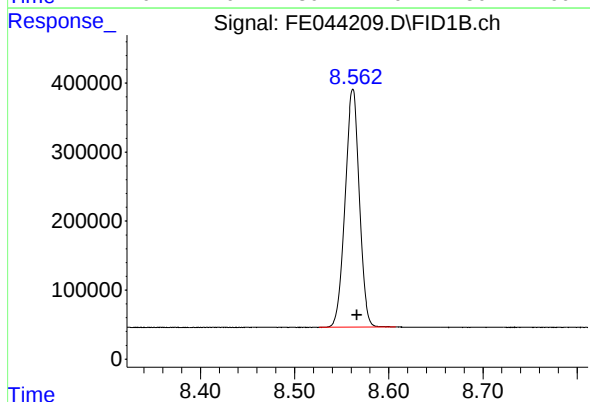
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: -0.004 min
Response: 3807354
Conc: 22.21 ug/ml

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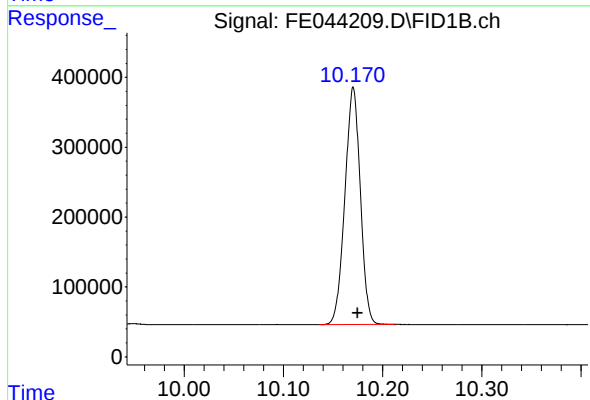
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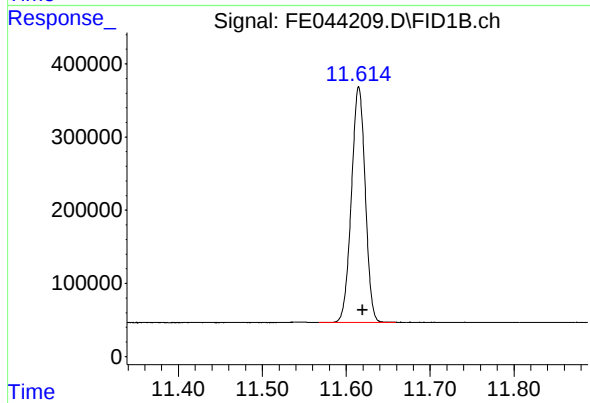
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.004 min
Response: 3621366
Conc: 21.59 ug/ml



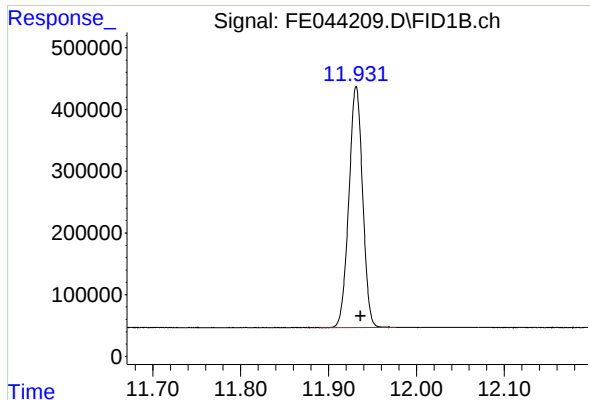
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.004 min
Response: 3679002
Conc: 21.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.615 min
Delta R.T.: -0.005 min
Response: 3682667
Conc: 21.16 ug/ml



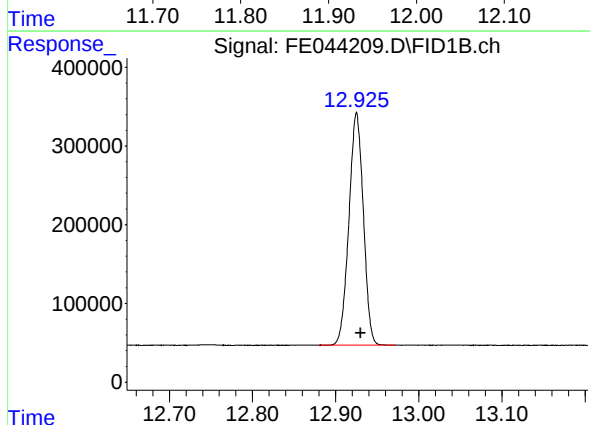
#9 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.005 min
Response: 4239501
Conc: 22.38 ug/ml

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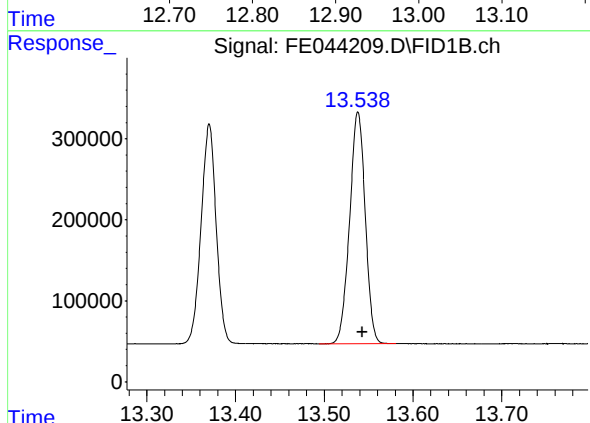
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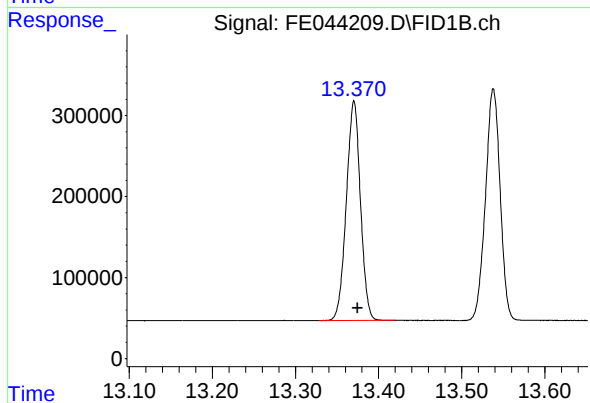
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: -0.005 min
Response: 3561663
Conc: 21.53 ug/ml



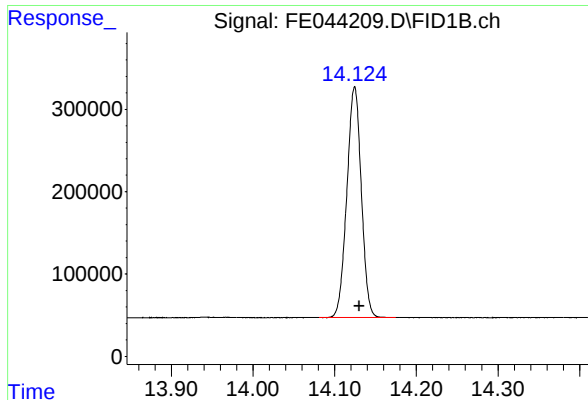
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: -0.005 min
Response: 3498217
Conc: 21.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: -0.005 min
Response: 3199672
Conc: 23.16 ug/ml



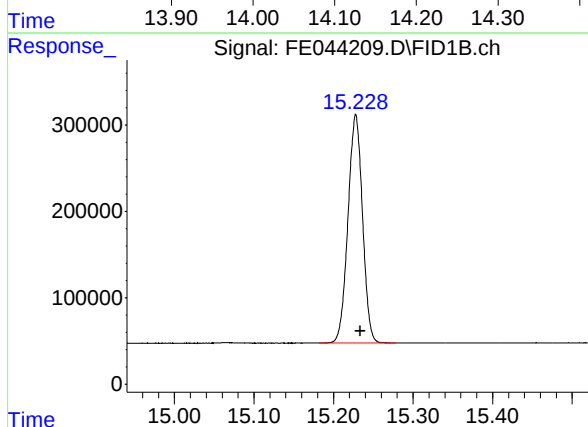
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.006 min
Response: 3446267
Conc: 21.57 ug/ml

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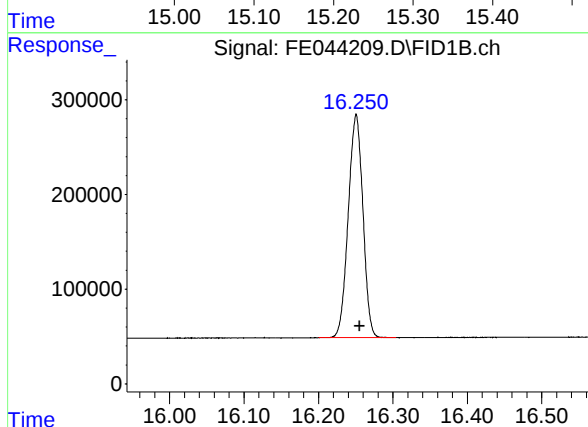
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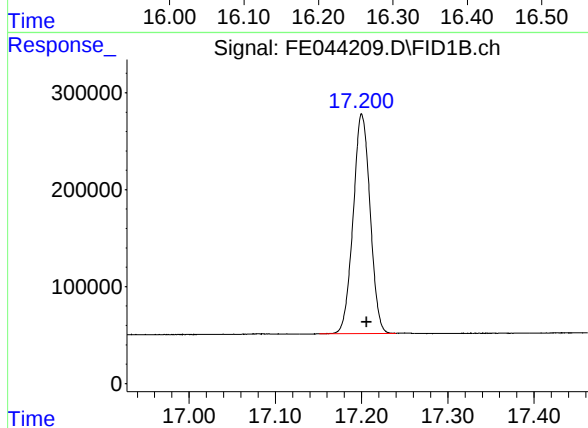
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: -0.006 min
Response: 3351264
Conc: 21.43 ug/ml



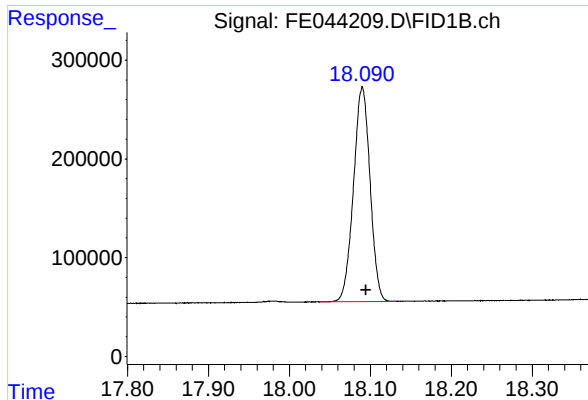
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.005 min
Response: 3229101
Conc: 21.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: -0.006 min
Response: 3094444
Conc: 21.44 ug/ml



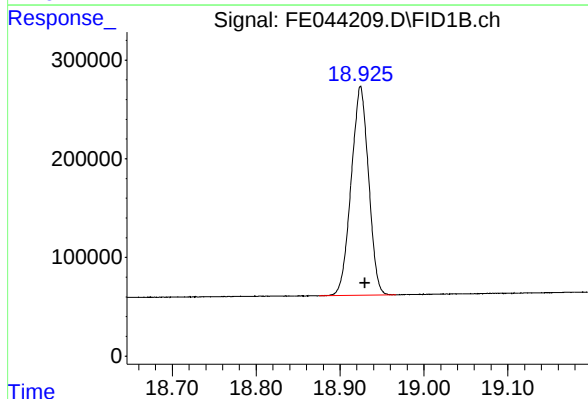
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.005 min
Response: 3084984
Conc: 21.23 ug/ml

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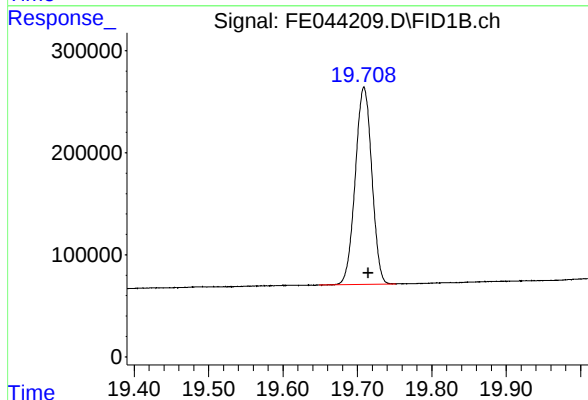
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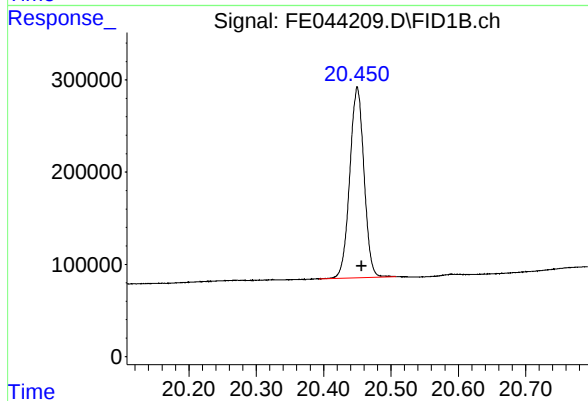
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: -0.005 min
Response: 3049599
Conc: 21.41 ug/ml



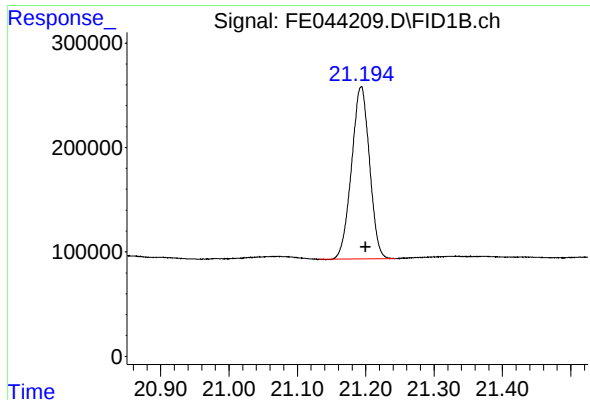
#19 n-Tetratriacontane (C34)

R.T.: 19.709 min
Delta R.T.: -0.006 min
Response: 2985503
Conc: 21.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.007 min
Response: 3034234
Conc: 22.13 ug/ml



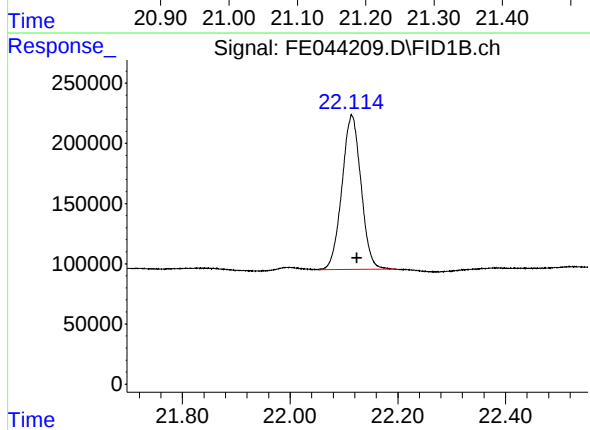
#21 n-Octatriacontane (C38)

R.T.: 21.193 min
Delta R.T.: -0.006 min
Response: 3010413
Conc: 21.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.114 min
Delta R.T.: -0.010 min
Response: 3159285
Conc: 22.85 ug/ml m