

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042723AL\
 Data File : FE041608.D
 Signal(s) : FID1B.ch
 Acq On : 28 Apr 2023 09:48
 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 05/01/2023
 Supervised By :Ankita Jodhani 05/01/2023

Integration File: autoint1.e
 Quant Time: Apr 28 16:10:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.990	3639721	19.401 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
12) S 1-chlorooctadecane (S...	13.426	2717380	19.235 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
Target Compounds			
1) T n-Nonane (C9)	3.361	3019677	20.543 ug/ml
2) T n-Decane (C10)	4.615	3109314	20.732 ug/ml
3) T A~Naphthalene (C11.7)	6.325	3435436	20.759 ug/ml
4) T n-Dodecane (C12)	6.785	3153306	20.739 ug/ml
5) T A~2-methylnaphthalene...	7.423	3335472	20.685 ug/ml
6) T n-Tetradecane (C14)	8.614	3153400	20.759 ug/ml
7) T n-Hexadecane (C16)	10.224	3263765	20.452 ug/ml
8) T n-Octadecane (C18)	11.669	3282086	20.023 ug/ml
10) T n-Eicosane (C20)	12.979	3130279	19.461 ug/ml
11) T n-Heneicosane (C21)	13.592	3072826	19.281 ug/ml
13) T n-Docosane (C22)	14.179	3013947	18.916 ug/ml
14) T n-Tetracosane (C24)	15.285	3021663	18.742 ug/ml
15) T n-Hexacosane (C26)	16.306	2870503	18.157 ug/ml
16) T n-Octacosane (C28)	17.258	2788980	18.125 ug/ml
17) T n-Tricontane (C30)	18.145	2771100	18.195 ug/ml
18) T n-Dotriacontane (C32)	18.980	2725992	18.298 ug/ml
19) T n-Tetratriacontane (C34)	19.764	2800672	19.880 ug/ml
20) T n-Hexatriacontane (C36)	20.504	2770124	20.714 ug/mlm
21) T n-Octatriacontane (C38)	21.262	2970313	22.479 ug/ml
22) T n-Tetracontane (C40)	22.212f	2893187	22.851 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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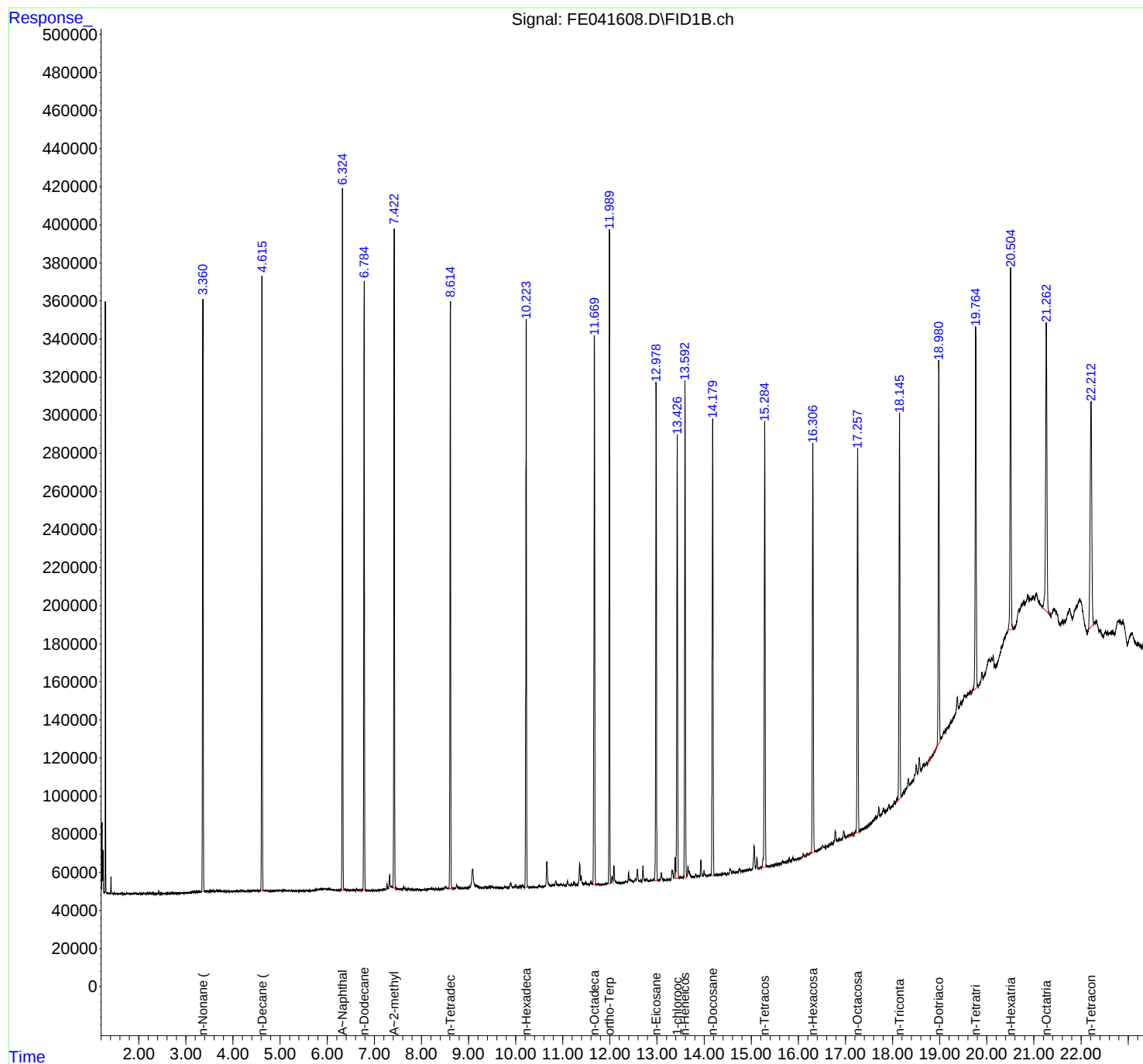
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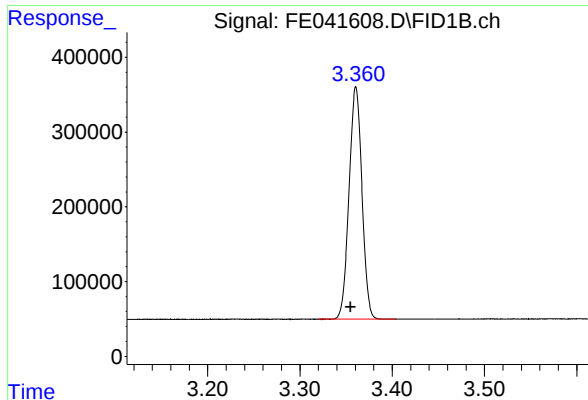
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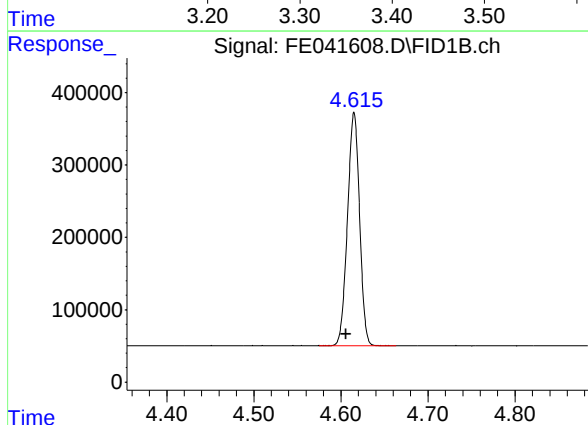
#1 n-Nonane (C9)

R.T.: 3.361 min
Delta R.T.: 0.006 min
Response: 3019677
Conc: 20.54 ug/ml

Instrument : FID_E
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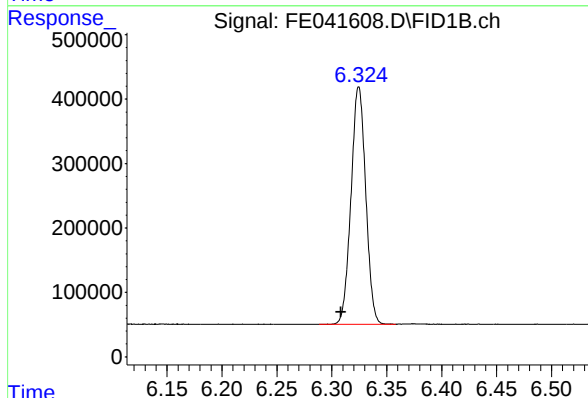
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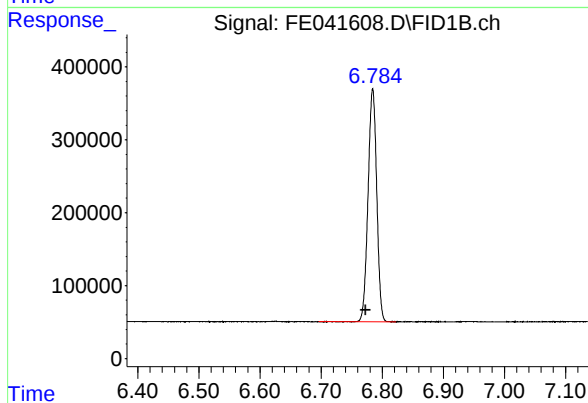
#2 n-Decane (C10)

R.T.: 4.615 min
Delta R.T.: 0.009 min
Response: 3109314
Conc: 20.73 ug/ml



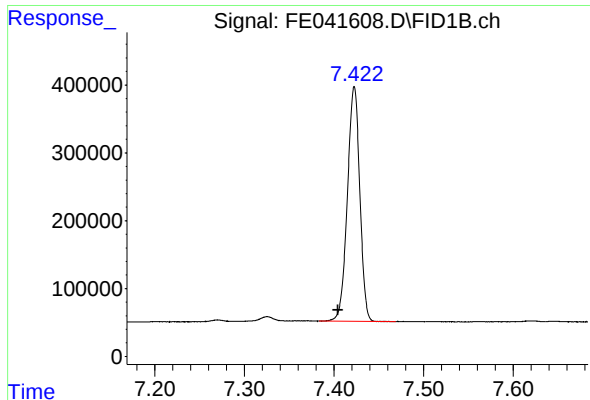
#3 A~Naphthalene (C11.7)

R.T.: 6.325 min
Delta R.T.: 0.016 min
Response: 3435436
Conc: 20.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.785 min
Delta R.T.: 0.011 min
Response: 3153306
Conc: 20.74 ug/ml



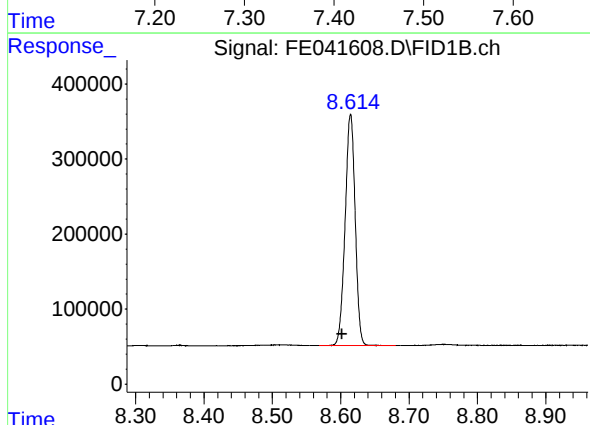
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.423 min
Delta R.T.: 0.018 min
Response: 3335472
Conc: 20.69 ug/ml

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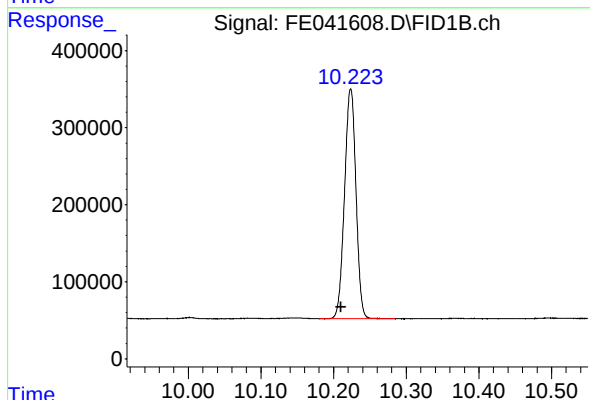
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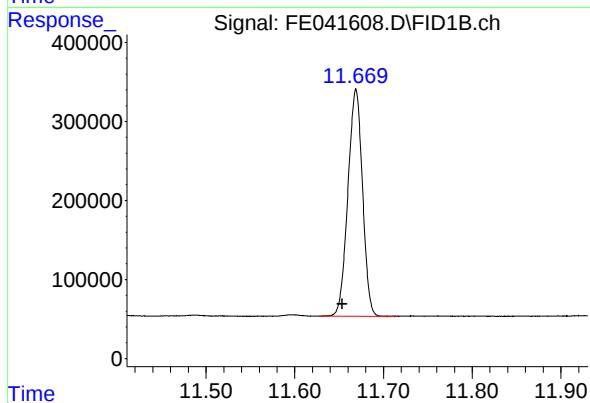
#6 n-Tetradecane (C14)

R.T.: 8.614 min
Delta R.T.: 0.012 min
Response: 3153400
Conc: 20.76 ug/ml



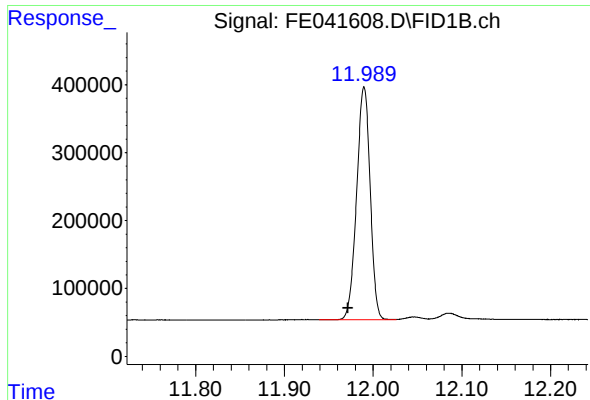
#7 n-Hexadecane (C16)

R.T.: 10.224 min
Delta R.T.: 0.014 min
Response: 3263765
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.669 min
Delta R.T.: 0.015 min
Response: 3282086
Conc: 20.02 ug/ml



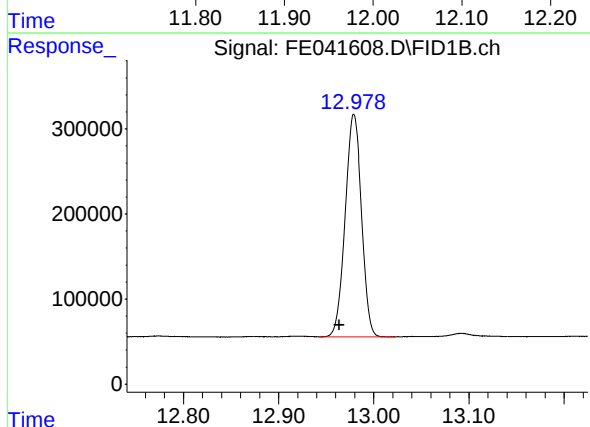
#9 ortho-Terphenyl (SURR)

R.T.: 11.990 min
Delta R.T.: 0.018 min
Response: 3639721
Conc: 19.40 ug/ml

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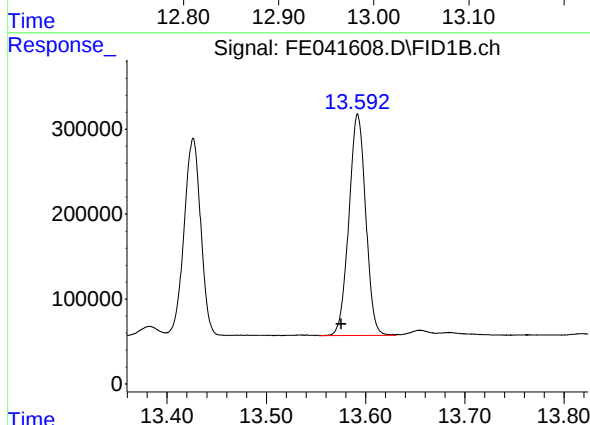
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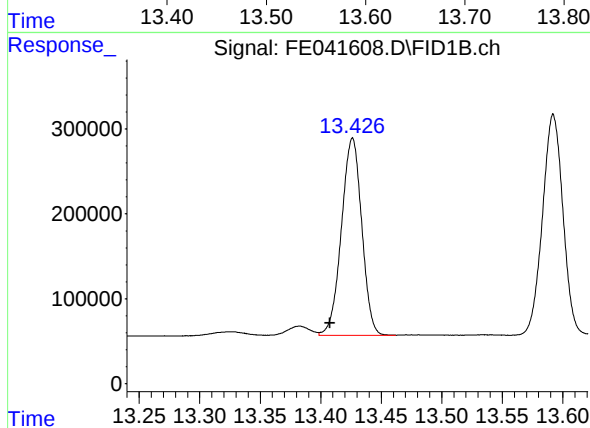
#10 n-Eicosane (C20)

R.T.: 12.979 min
Delta R.T.: 0.015 min
Response: 3130279
Conc: 19.46 ug/ml



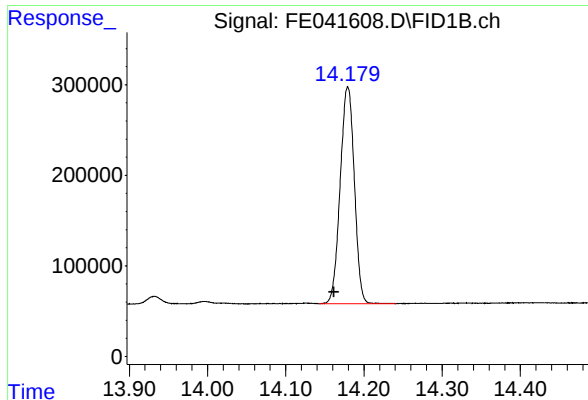
#11 n-Heneicosane (C21)

R.T.: 13.592 min
Delta R.T.: 0.016 min
Response: 3072826
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.426 min
Delta R.T.: 0.019 min
Response: 2717380
Conc: 19.24 ug/ml



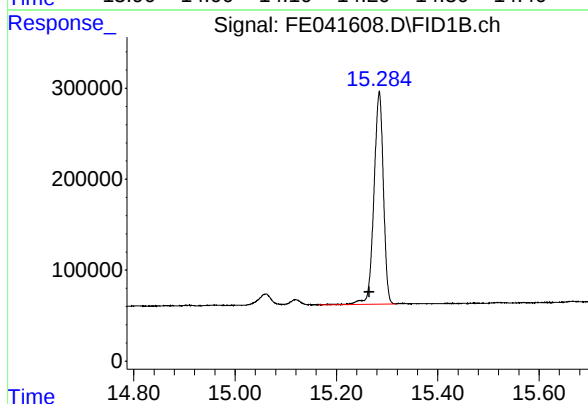
#13 n-Docosane (C22)

R.T.: 14.179 min
Delta R.T.: 0.017 min
Response: 3013947
Conc: 18.92 ug/ml

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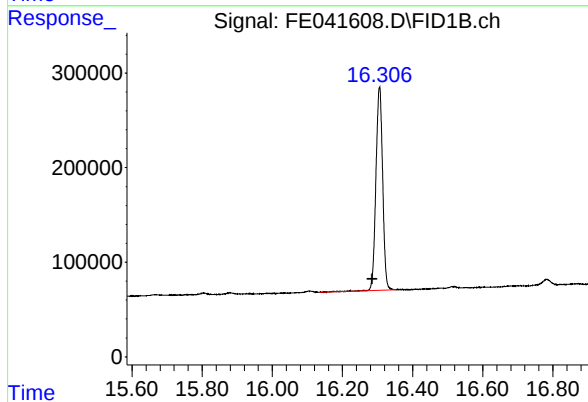
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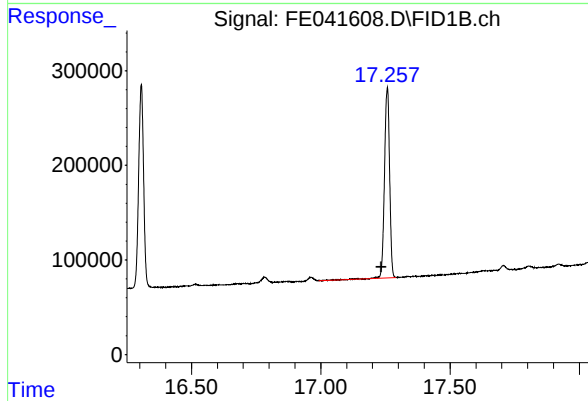
#14 n-Tetracosane (C24)

R.T.: 15.285 min
Delta R.T.: 0.020 min
Response: 3021663
Conc: 18.74 ug/ml



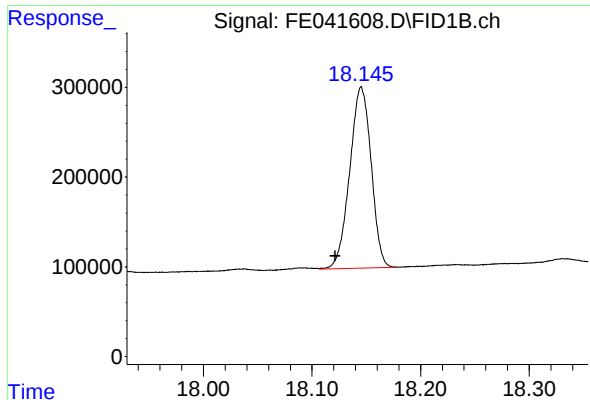
#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.021 min
Response: 2870503
Conc: 18.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.258 min
Delta R.T.: 0.024 min
Response: 2788980
Conc: 18.13 ug/ml



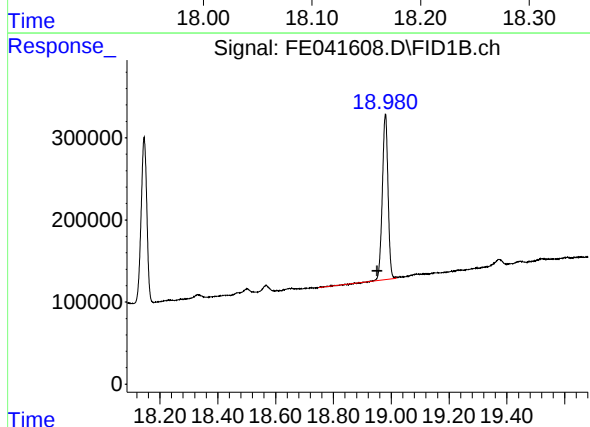
#17 n-Tricontane (C30)

R.T.: 18.145 min
Delta R.T.: 0.024 min
Response: 2771100
Conc: 18.19 ug/ml

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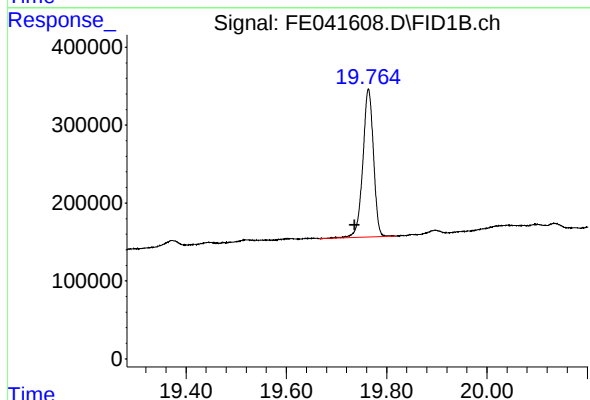
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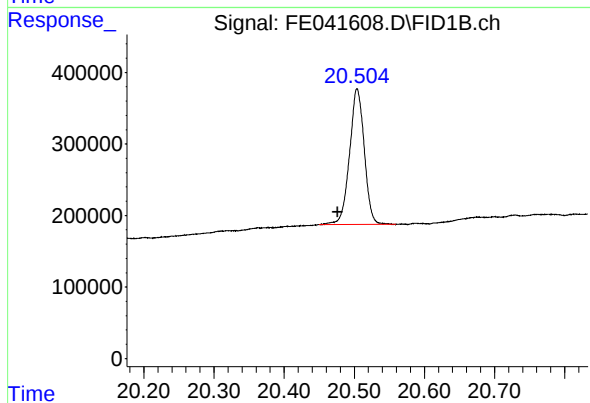
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.028 min
Response: 2725992
Conc: 18.30 ug/ml



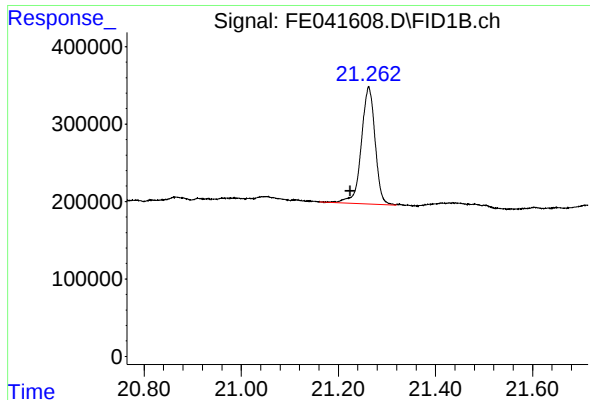
#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.028 min
Response: 2800672
Conc: 19.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.504 min
Delta R.T.: 0.028 min
Response: 2770124
Conc: 20.71 ug/ml m



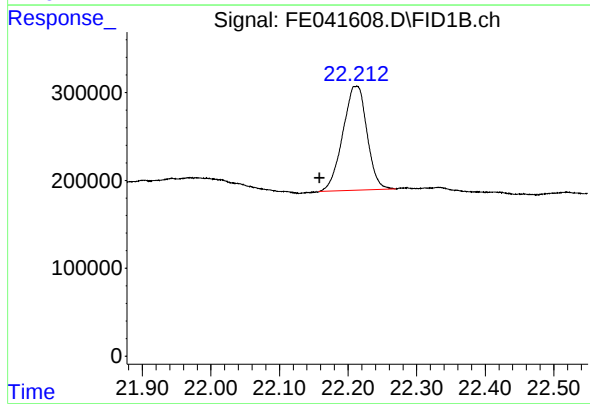
#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.038 min
Response: 2970313
Conc: 22.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.212 min
Delta R.T.: 0.053 min
Response: 2893187
Conc: 22.85 ug/ml m