

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101722AL\
 Data File : FE038205.D
 Signal(s) : FID1B.ch
 Acq On : 17 Oct 2022 17:50
 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 10/18/2022
 Supervised By :Ankita Jodhani 10/19/2022

Integration File: autoint1.e
 Quant Time: Oct 18 04:12:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092822.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 28 06:23:29 2022
 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)	11.601	3154694	18.239 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
12) S 1-chlorooctadecane (S...	13.024	2447523	18.108 ug/ml
Spiked Amount 50.000		Recovery =	36.22%
Target Compounds			
1) T n-Nonane (C9)	2.991	2892708	19.641 ug/ml
2) T n-Decane (C10)	4.250	3052624	20.647 ug/ml
3) T A~Naphthalene (C11.7)	5.972	2830955	20.673 ug/ml
4) T n-Dodecane (C12)	6.423	3133640	20.564 ug/ml
5) T A~2-methylnaphthalene...	7.066	2774116	20.873 ug/ml
6) T n-Tetradecane (C14)	8.243	3122870	20.404 ug/ml
7) T n-Hexadecane (C16)	9.842	3121628	19.985 ug/ml
8) T n-Octadecane (C18)	11.277	3092112	19.278 ug/ml
10) T n-Eicosane (C20)	12.580	3035747	18.616 ug/ml
11) T n-Heneicosane (C21)	13.189	2981122	18.093 ug/ml
13) T n-Docosane (C22)	13.772	3027844	18.394 ug/ml
14) T n-Tetracosane (C24)	14.868	2964224	18.074 ug/ml
15) T n-Hexacosane (C26)	15.883	2920456	17.910 ug/ml
16) T n-Octacosane (C28)	16.828	2988998	18.658 ug/ml
17) T n-Tricontane (C30)	17.714	3207139	20.041 ug/ml
18) T n-Dotriacontane (C32)	18.542	3275528	20.801 ug/ml
19) T n-Tetratriacontane (C34)	19.322	3081720	20.800 ug/ml
20) T n-Hexatriacontane (C36)	20.059	3058880	21.218 ug/ml
21) T n-Octatriacontane (C38)	20.755	3006794	22.158 ug/mlm
22) T n-Tetracontane (C40)	21.524	3086883	24.250 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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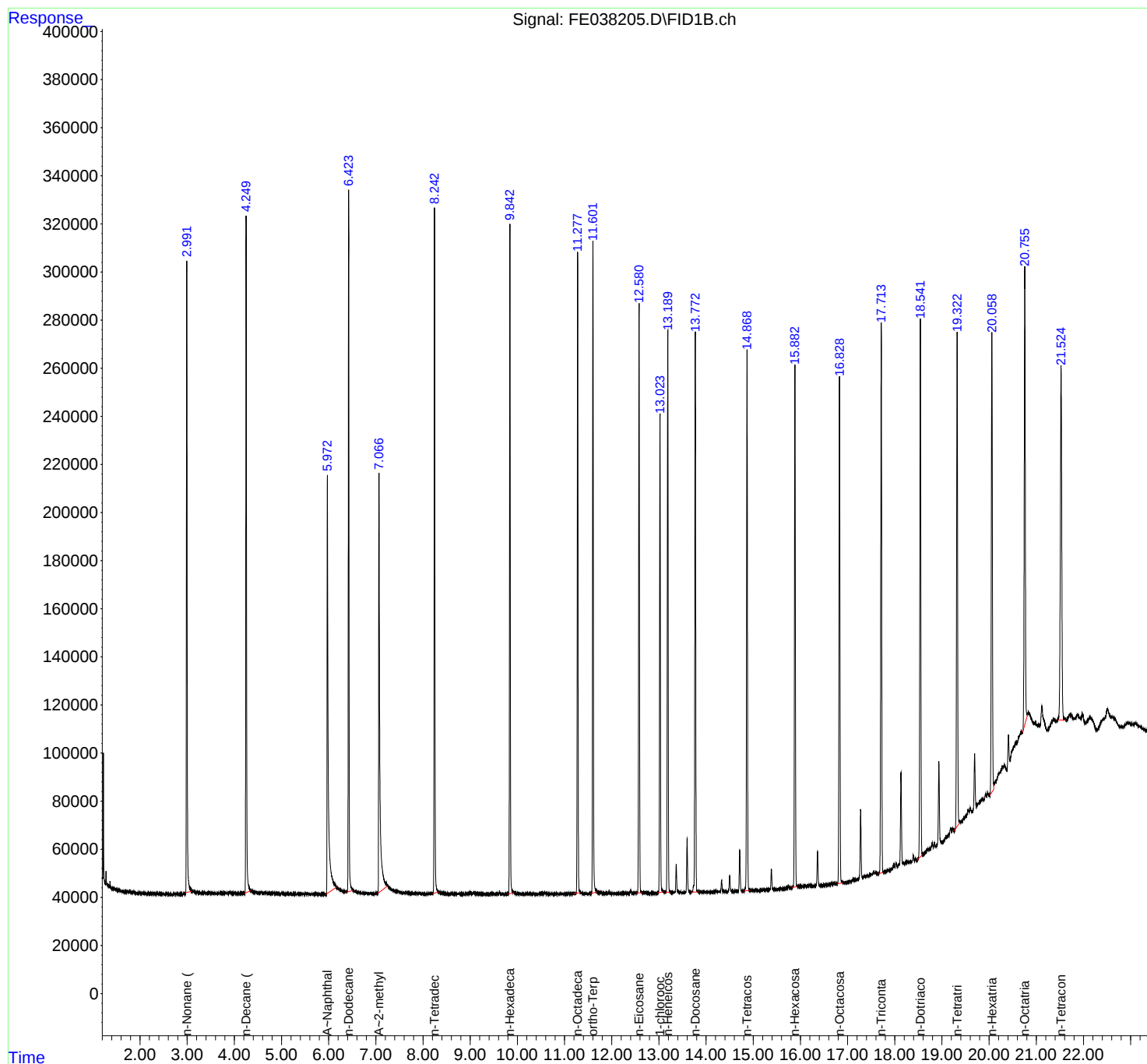
Instrument :
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20 PPM ALIPHATIC HC STD

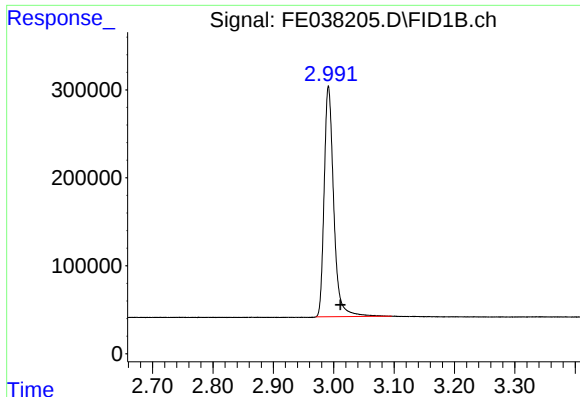
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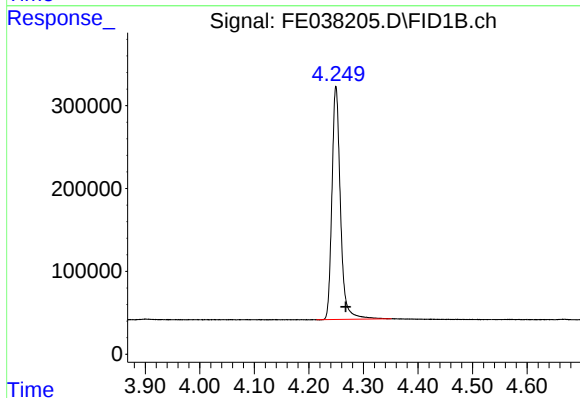
#1 n-Nonane (C9)

R.T.: 2.991 min
Delta R.T.: -0.020 min
Response: 2892708
Conc: 19.64 ug/ml

Instrument :
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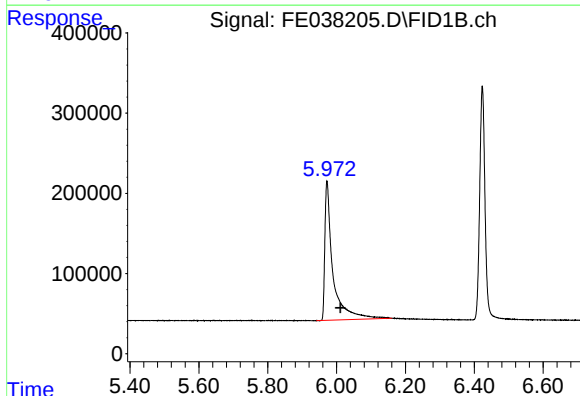
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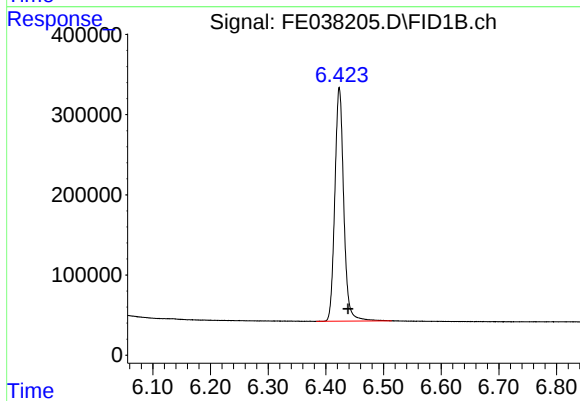
#2 n-Decane (C10)

R.T.: 4.250 min
Delta R.T.: -0.018 min
Response: 3052624
Conc: 20.65 ug/ml



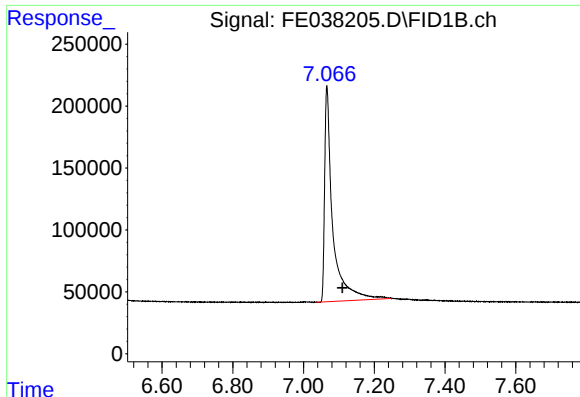
#3 A~Naphthalene (C11.7)

R.T.: 5.972 min
Delta R.T.: -0.039 min
Response: 2830955
Conc: 20.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.423 min
Delta R.T.: -0.015 min
Response: 3133640
Conc: 20.56 ug/ml



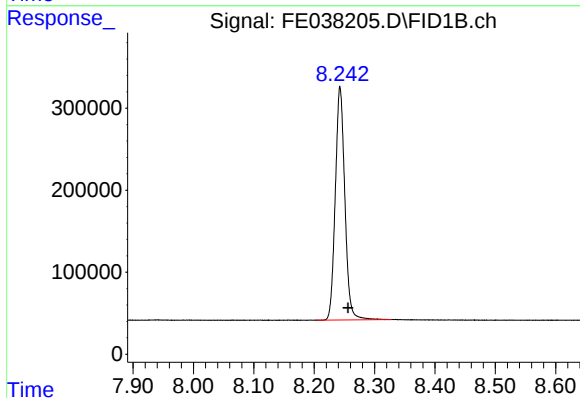
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.066 min
Delta R.T.: -0.043 min
Response: 2774116
Conc: 20.87 ug/ml

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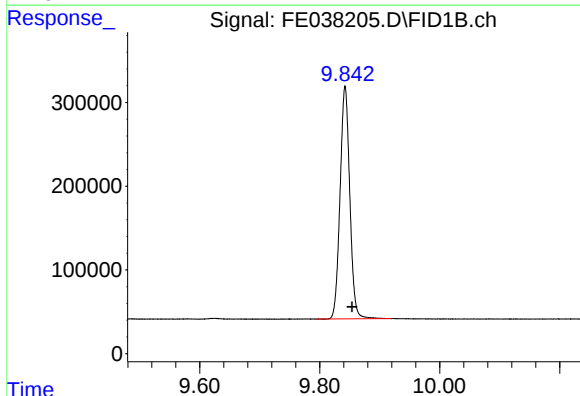
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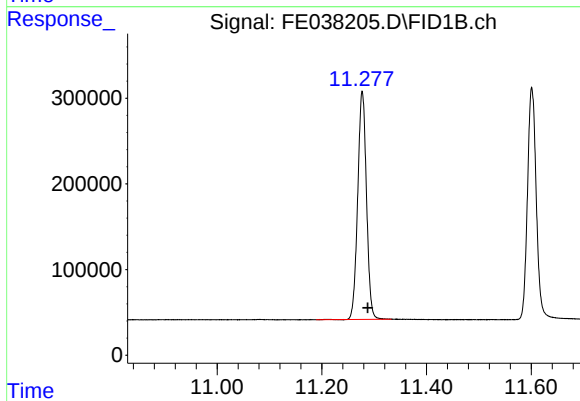
#6 n-Tetradecane (C14)

R.T.: 8.243 min
Delta R.T.: -0.013 min
Response: 3122870
Conc: 20.40 ug/ml



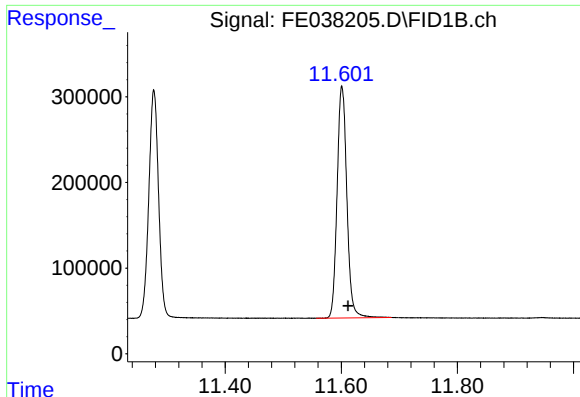
#7 n-Hexadecane (C16)

R.T.: 9.842 min
Delta R.T.: -0.012 min
Response: 3121628
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.277 min
Delta R.T.: -0.010 min
Response: 3092112
Conc: 19.28 ug/ml



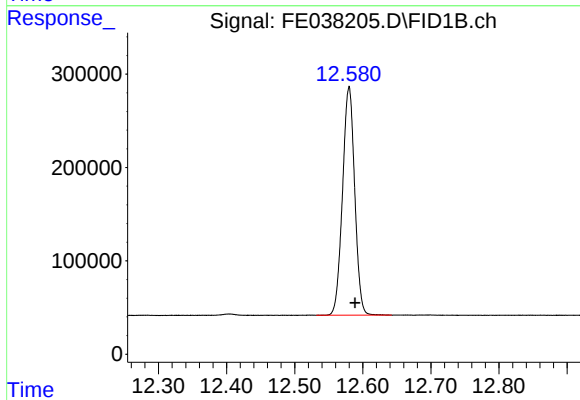
#9 ortho-Terphenyl (SURR)

R.T.: 11.601 min
Delta R.T.: -0.010 min
Response: 3154694
Conc: 18.24 ug/ml

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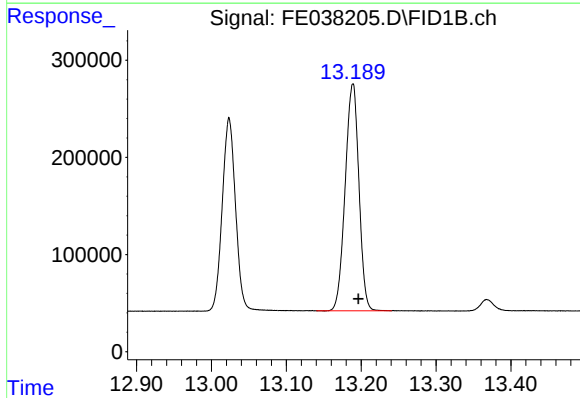
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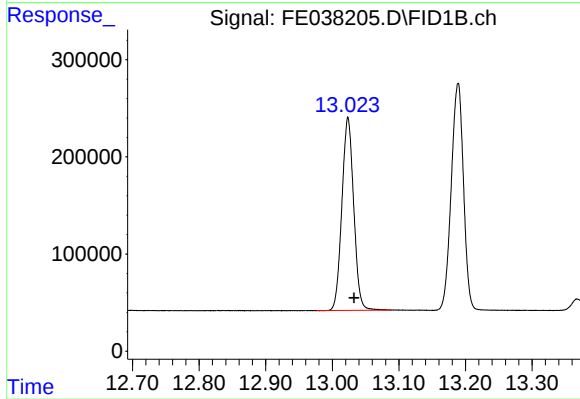
#10 n-Eicosane (C20)

R.T.: 12.580 min
Delta R.T.: -0.009 min
Response: 3035747
Conc: 18.62 ug/ml



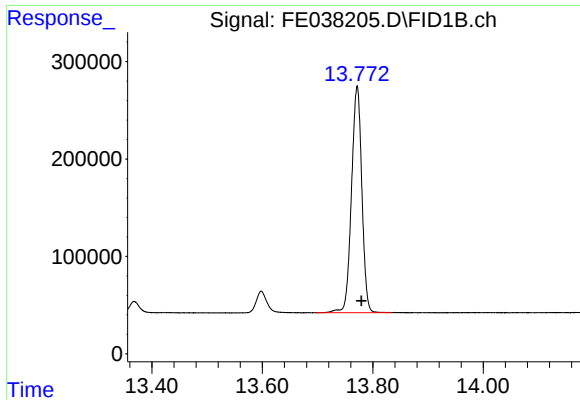
#11 n-Heneicosane (C21)

R.T.: 13.189 min
Delta R.T.: -0.007 min
Response: 2981122
Conc: 18.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.024 min
Delta R.T.: -0.009 min
Response: 2447523
Conc: 18.11 ug/ml



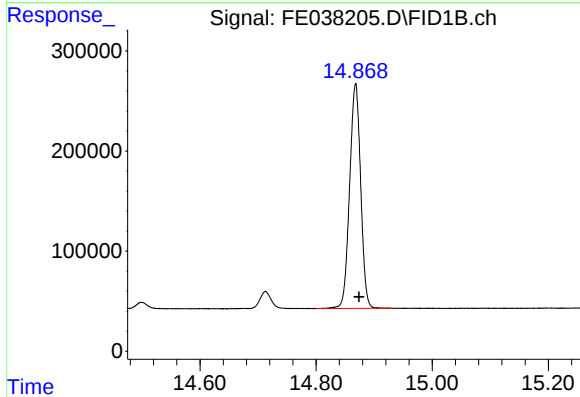
#13 n-Docosane (C22)

R.T.: 13.772 min
Delta R.T.: -0.007 min
Response: 3027844
Conc: 18.39 ug/ml

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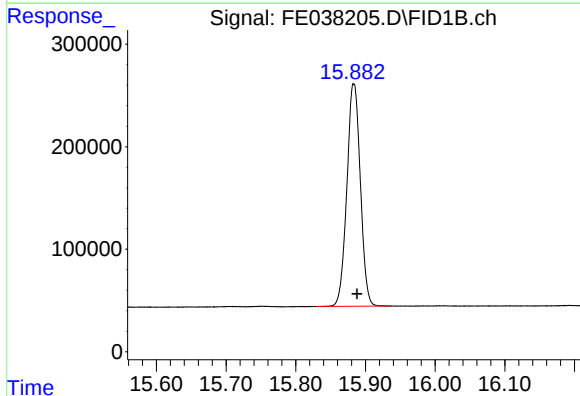
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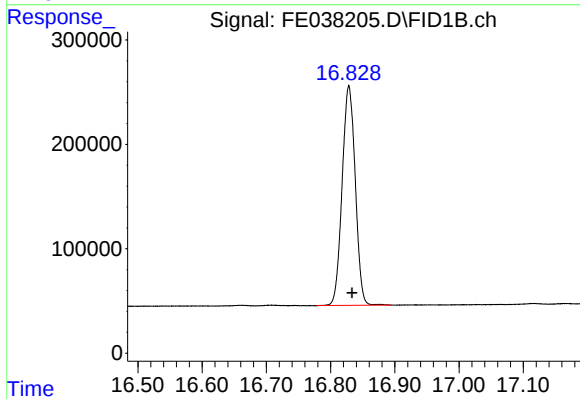
#14 n-Tetracosane (C24)

R.T.: 14.868 min
Delta R.T.: -0.006 min
Response: 2964224
Conc: 18.07 ug/ml



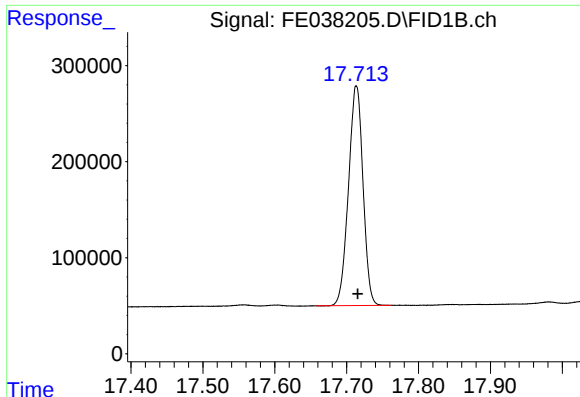
#15 n-Hexacosane (C26)

R.T.: 15.883 min
Delta R.T.: -0.005 min
Response: 2920456
Conc: 17.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.828 min
Delta R.T.: -0.005 min
Response: 2988998
Conc: 18.66 ug/ml



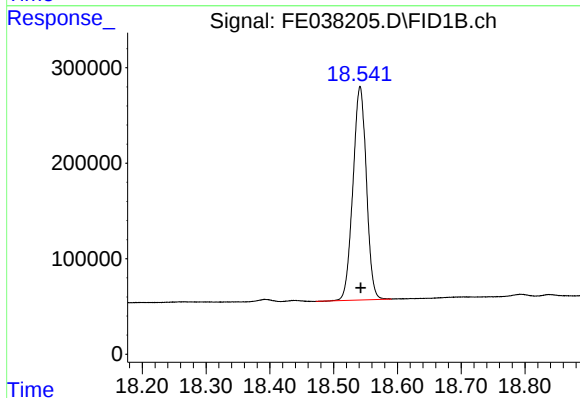
#17 n-Tricontane (C30)

R.T.: 17.714 min
Delta R.T.: -0.002 min
Response: 3207139
Conc: 20.04 ug/ml

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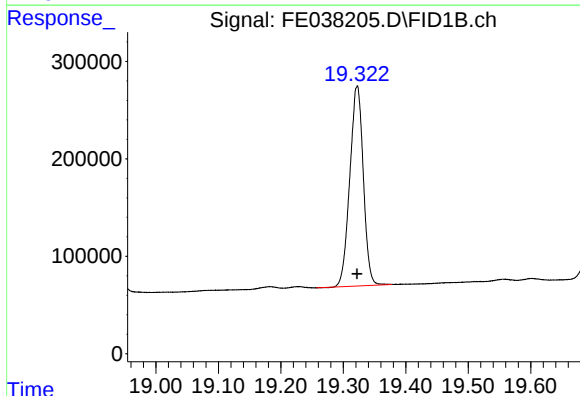
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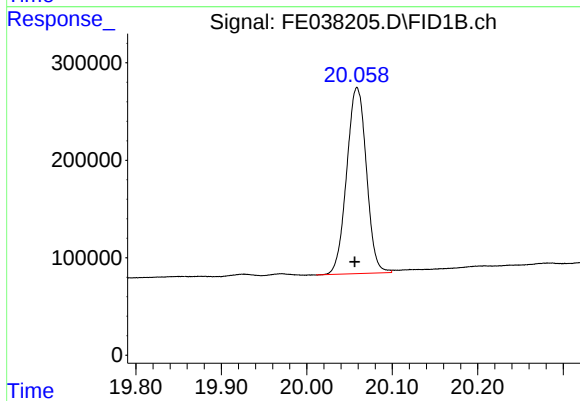
#18 n-Dotriacontane (C32)

R.T.: 18.542 min
Delta R.T.: 0.000 min
Response: 3275528
Conc: 20.80 ug/ml



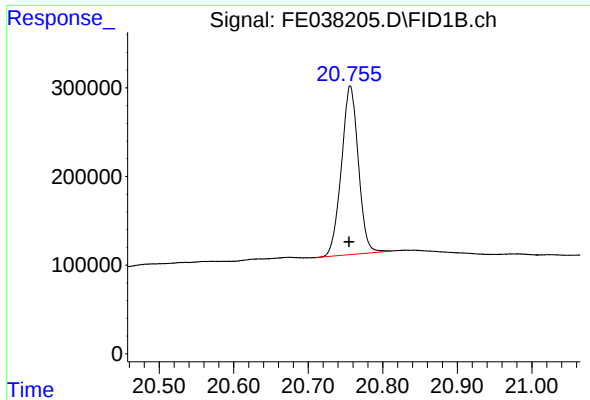
#19 n-Tetratriacontane (C34)

R.T.: 19.322 min
Delta R.T.: 0.000 min
Response: 3081720
Conc: 20.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.059 min
Delta R.T.: 0.003 min
Response: 3058880
Conc: 21.22 ug/ml



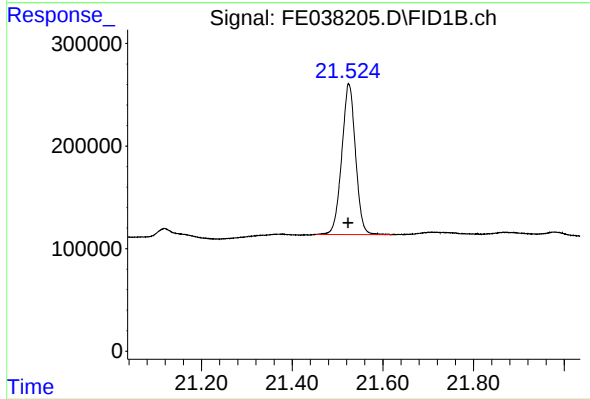
#21 n-Octatriacontane (C38)

R.T.: 20.755 min
Delta R.T.: 0.000 min
Response: 3006794
Conc: 22.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.524 min
Delta R.T.: 0.000 min
Response: 3086883
Conc: 24.25 ug/ml m