

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080924AL\
 Data File : FE049536.D
 Signal(s) : FID1B.ch
 Acq On : 09 Aug 2024 13:48
 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 08/12/2024
 Supervised By :Ankita Jodhani 08/12/2024

Integration File: autoint1.e
 Quant Time: Aug 10 01:21:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 Qlast Update : Wed Jul 17 14:26:40 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)	11.890	3289576	21.209 ug/ml
Spiked Amount 50.000		Recovery =	42.42%
12) S 1-chlorooctadecane (S...	13.325	2487346	21.289 ug/ml
Spiked Amount 50.000		Recovery =	42.58%
Target Compounds			
1) T n-Nonane (C9)	3.279	3047260	20.263 ug/ml
2) T n-Decane (C10)	4.529	3159577	20.457 ug/ml
3) T A~Naphthalene (C11.7)	6.236	3228845	20.724 ug/ml
4) T n-Dodecane (C12)	6.696	3172179	20.601 ug/ml
5) T A~2-methylnaphthalene...	7.332	3062750	21.046 ug/ml
6) T n-Tetradecane (C14)	8.524	3123025	20.577 ug/ml
7) T n-Hexadecane (C16)	10.130	3186957	21.014 ug/ml
8) T n-Octadecane (C18)	11.572	3201178	21.084 ug/ml
10) T n-Eicosane (C20)	12.880	3038597	21.013 ug/ml
11) T n-Heneicosane (C21)	13.492	2979742	21.012 ug/ml
13) T n-Docosane (C22)	14.077	2968245	21.127 ug/ml
14) T n-Tetracosane (C24)	15.179	2962308	21.136 ug/ml
15) T n-Hexacosane (C26)	16.199	2943862	20.994 ug/ml
16) T n-Octacosane (C28)	17.147	2963899	21.176 ug/ml
17) T n-Tricontane (C30)	18.034	3129078	21.451 ug/ml
18) T n-Dotriacontane (C32)	18.865	3173375	21.582 ug/ml
19) T n-Tetratriacontane (C34)	19.648	3190562	21.843 ug/ml
20) T n-Hexatriacontane (C36)	20.387	3154368	21.881 ug/ml
21) T n-Octatriacontane (C38)	21.115	3179854	21.243 ug/ml
22) T n-Tetracontane (C40)	22.010	3137460	20.791 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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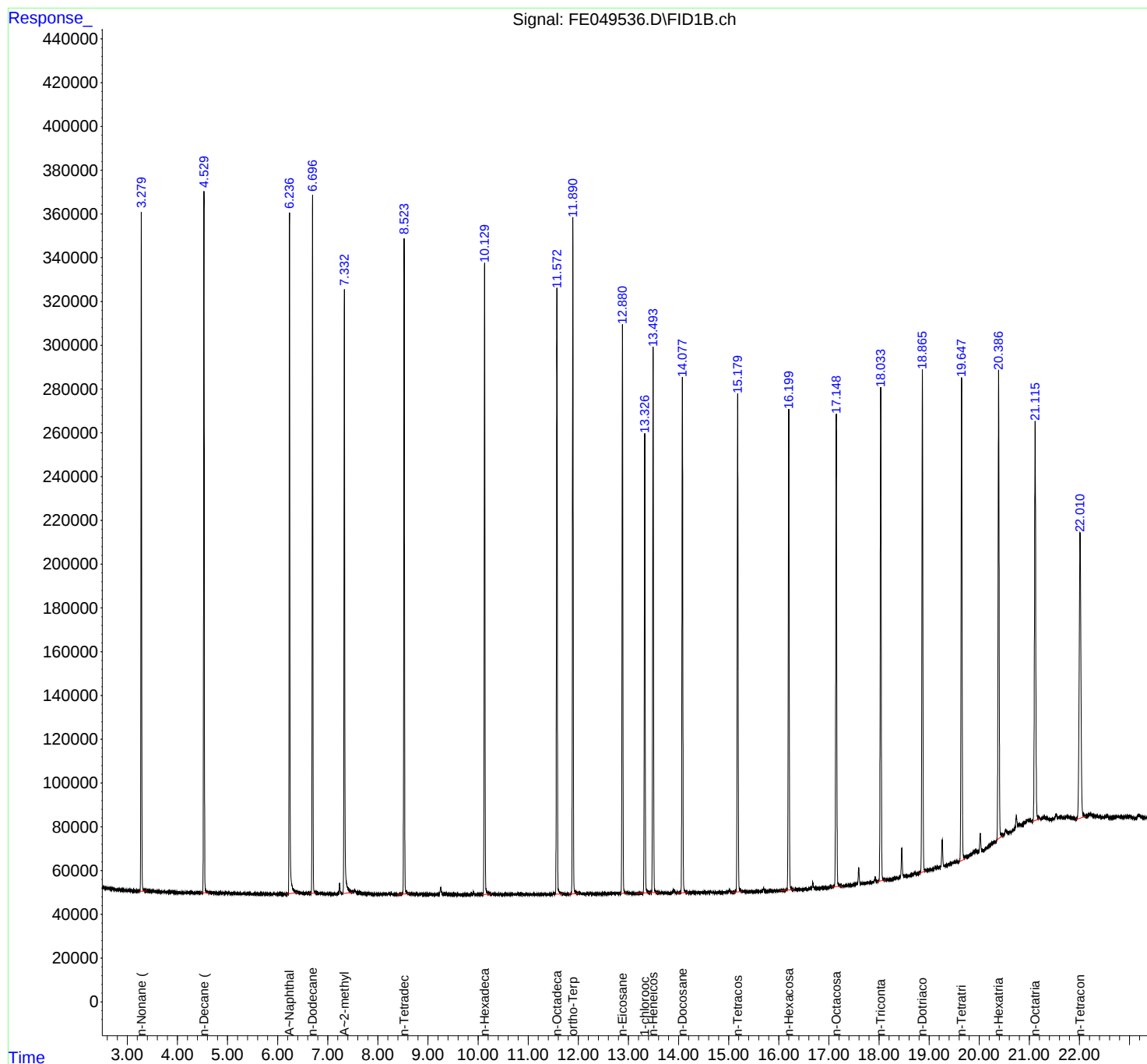
Instrument :
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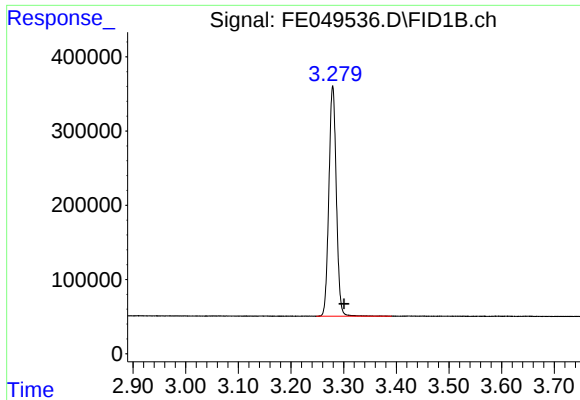
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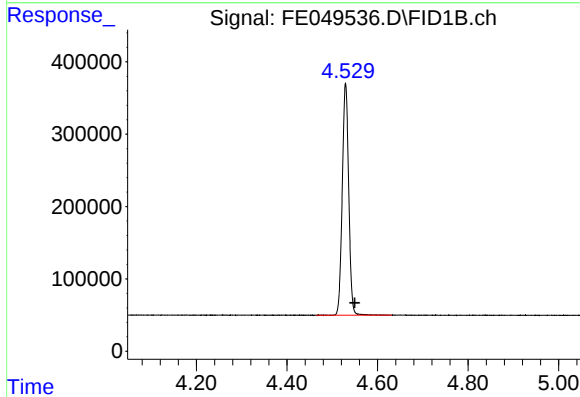
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.022 min
Response: 3047260
Conc: 20.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

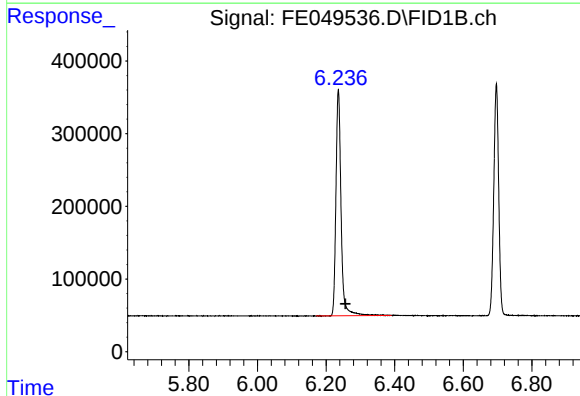
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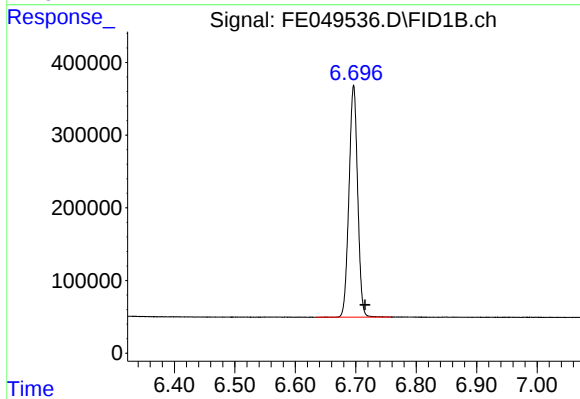
#2 n-Decane (C10)

R.T.: 4.529 min
Delta R.T.: -0.020 min
Response: 3159577
Conc: 20.46 ug/ml



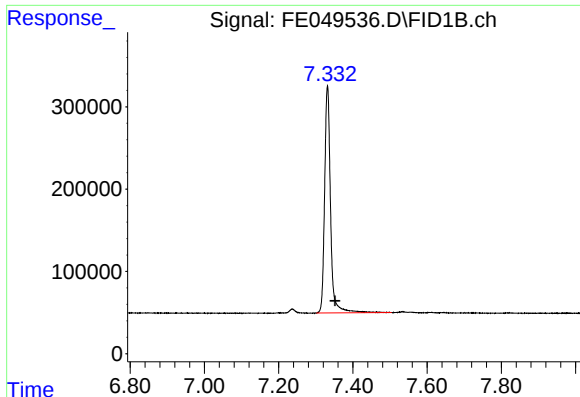
#3 A~Naphthalene (C11.7)

R.T.: 6.236 min
Delta R.T.: -0.021 min
Response: 3228845
Conc: 20.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: -0.019 min
Response: 3172179
Conc: 20.60 ug/ml



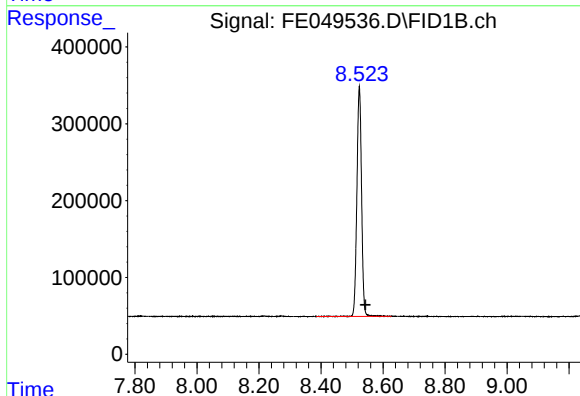
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: -0.021 min
Response: 3062750
Conc: 21.05 ug/ml

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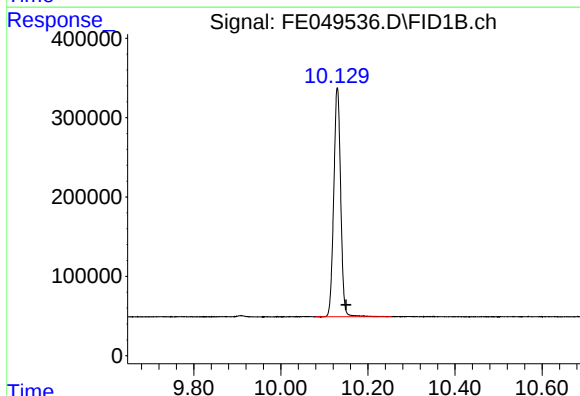
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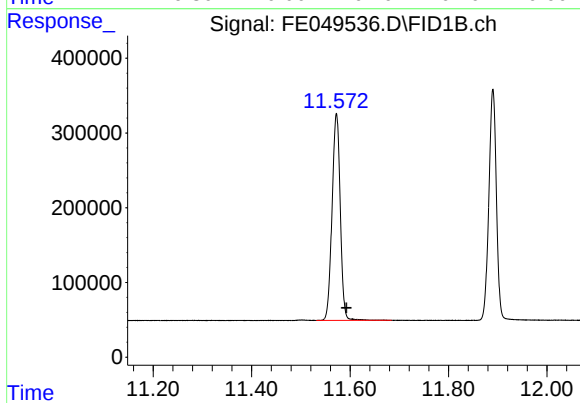
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.019 min
Response: 3123025
Conc: 20.58 ug/ml



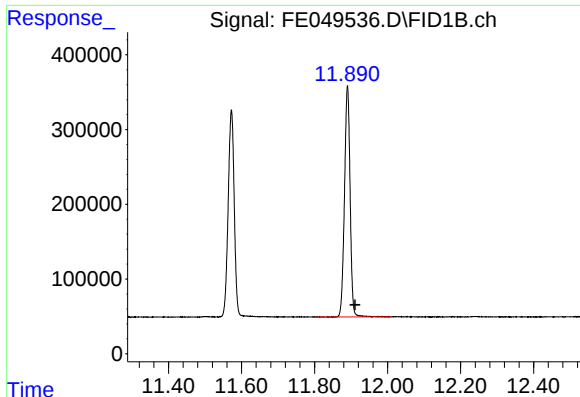
#7 n-Hexadecane (C16)

R.T.: 10.130 min
Delta R.T.: -0.020 min
Response: 3186957
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.572 min
Delta R.T.: -0.021 min
Response: 3201178
Conc: 21.08 ug/ml



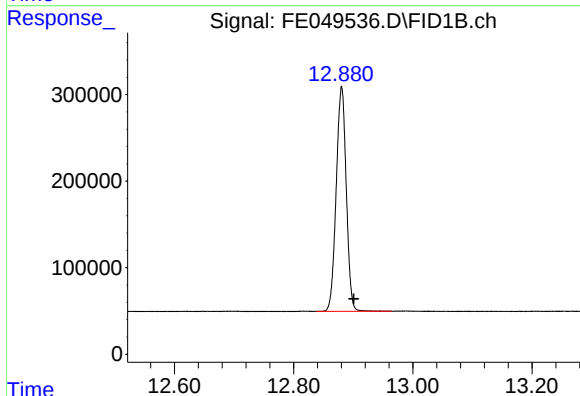
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.021 min
Response: 3289576
Conc: 21.21 ug/ml

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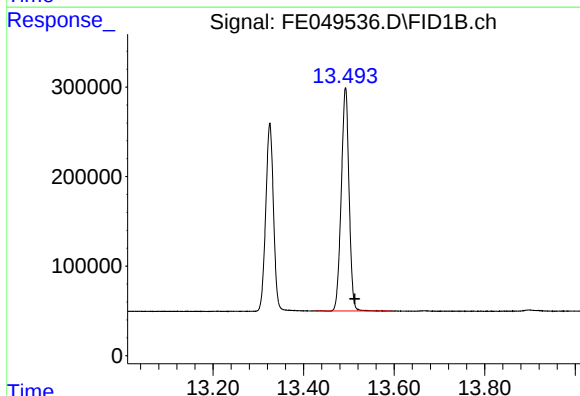
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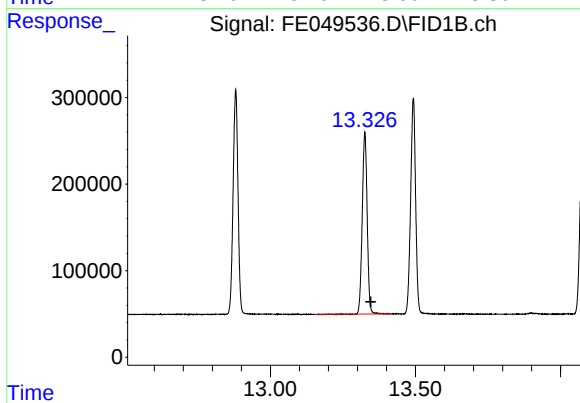
#10 n-Eicosane (C20)

R.T.: 12.880 min
Delta R.T.: -0.021 min
Response: 3038597
Conc: 21.01 ug/ml



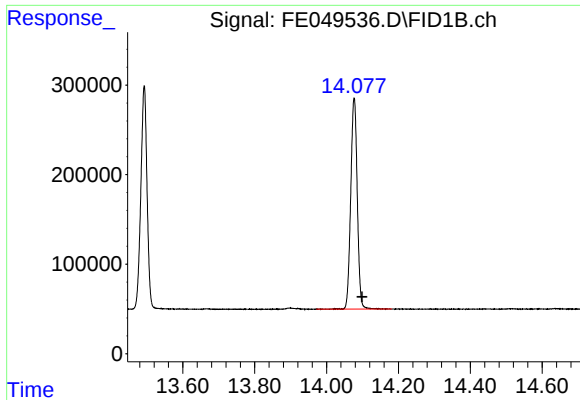
#11 n-Heneicosane (C21)

R.T.: 13.492 min
Delta R.T.: -0.021 min
Response: 2979742
Conc: 21.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.325 min
Delta R.T.: -0.021 min
Response: 2487346
Conc: 21.29 ug/ml



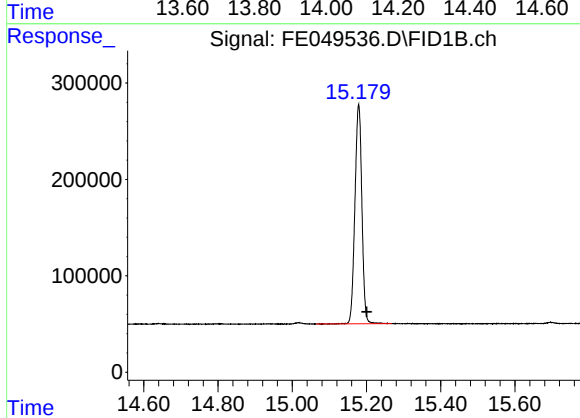
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.022 min
Response: 2968245
Conc: 21.13 ug/ml

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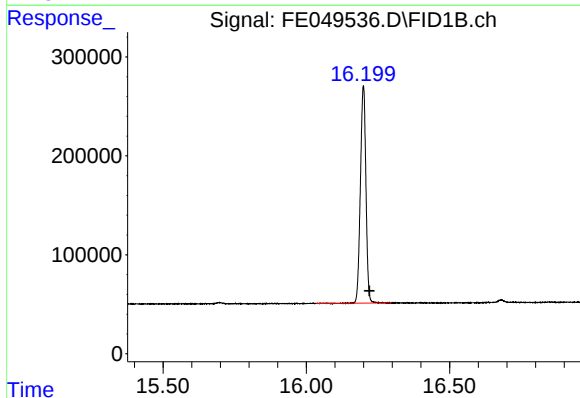
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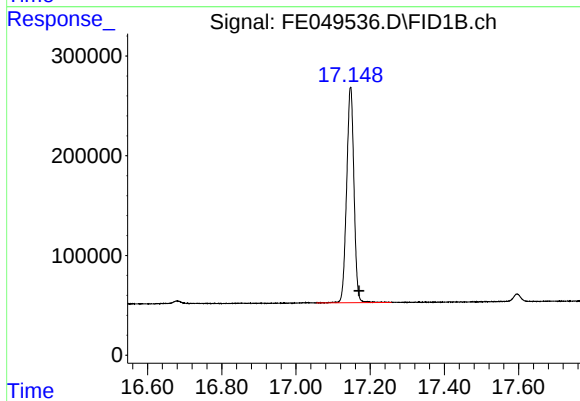
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.022 min
Response: 2962308
Conc: 21.14 ug/ml



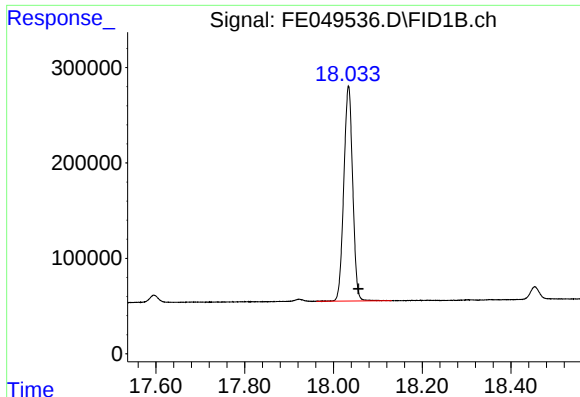
#15 n-Hexacosane (C26)

R.T.: 16.199 min
Delta R.T.: -0.022 min
Response: 2943862
Conc: 20.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.023 min
Response: 2963899
Conc: 21.18 ug/ml



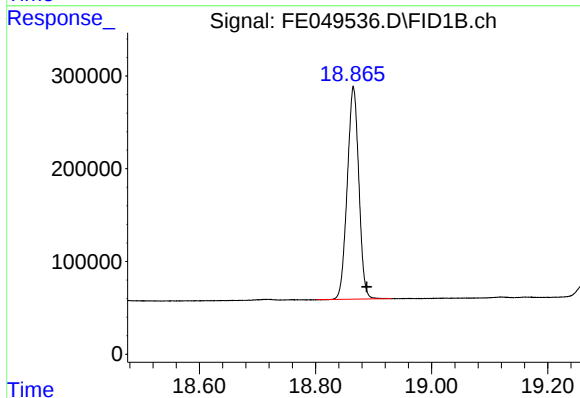
#17 n-Tricontane (C30)

R.T.: 18.034 min
Delta R.T.: -0.023 min
Response: 3129078
Conc: 21.45 ug/ml

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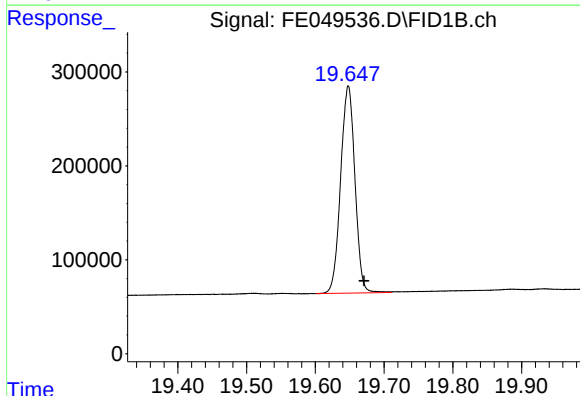
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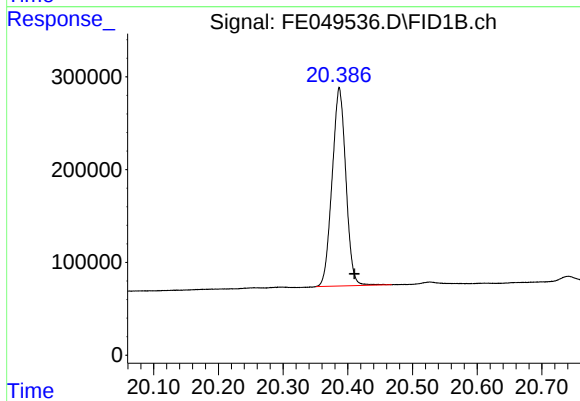
#18 n-Dotriacontane (C32)

R.T.: 18.865 min
Delta R.T.: -0.023 min
Response: 3173375
Conc: 21.58 ug/ml



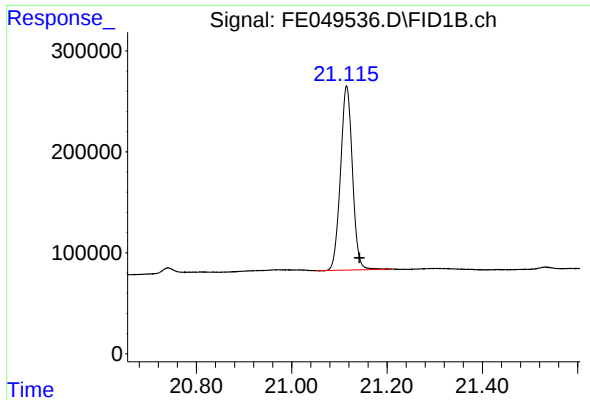
#19 n-Tetratriacontane (C34)

R.T.: 19.648 min
Delta R.T.: -0.023 min
Response: 3190562
Conc: 21.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: -0.023 min
Response: 3154368
Conc: 21.88 ug/ml



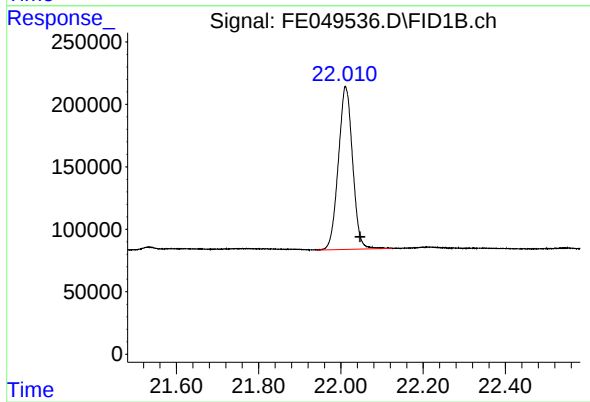
#21 n-Octatriacontane (C38)

R.T.: 21.115 min
Delta R.T.: -0.027 min
Response: 3179854
Conc: 21.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.010 min
Delta R.T.: -0.037 min
Response: 3137460
Conc: 20.79 ug/ml m