

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121222AL\
 Data File : FE039240.D
 Signal(s) : FID1B.ch
 Acq On : 12 Dec 2022 12:00
 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 12/13/2022
 Supervised By :Ankita Jodhani 12/13/2022

Integration File: autoint1.e
 Quant Time: Dec 12 17:16:02 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 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)	11.936	3755484	24.006 ug/ml
Spiked Amount 50.000		Recovery =	48.01%
12) S 1-chlorooctadecane (S...	13.372	2733074	22.636 ug/ml
Spiked Amount 50.000		Recovery =	45.27%
Target Compounds			
1) T n-Nonane (C9)	3.328	3238286	22.845 ug/ml
2) T n-Decane (C10)	4.578	3176233	22.789 ug/ml
3) T A~Naphthalene (C11.7)	6.281	3628966	22.816 ug/ml
4) T n-Dodecane (C12)	6.742	3209253	22.767 ug/ml
5) T A~2-methylnaphthalene...	7.376	3401300	22.726 ug/ml
6) T n-Tetradecane (C14)	8.569	3265354	22.863 ug/ml
7) T n-Hexadecane (C16)	10.176	3384533	23.148 ug/ml
8) T n-Octadecane (C18)	11.619	3470548	23.585 ug/ml
10) T n-Eicosane (C20)	12.928	3370659	23.743 ug/ml
11) T n-Heneicosane (C21)	13.540	3390699	23.862 ug/mlm
13) T n-Docosane (C22)	14.125	3344123	23.923 ug/ml
14) T n-Tetracosane (C24)	15.228	3288202	23.810 ug/ml
15) T n-Hexacosane (C26)	16.248	3181645	23.688 ug/ml
16) T n-Octacosane (C28)	17.198	3088389	23.256 ug/ml
17) T n-Tricontane (C30)	18.085	2994543	22.675 ug/ml
18) T n-Dotriacontane (C32)	18.917	2938583	22.034 ug/ml
19) T n-Tetratriacontane (C34)	19.700	2840617	21.467 ug/ml
20) T n-Hexatriacontane (C36)	20.442	2610210	20.317 ug/ml
21) T n-Octatriacontane (C38)	21.179	2540107	19.385 ug/ml
22) T n-Tetracontane (C40)	22.094	2311319	16.974 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

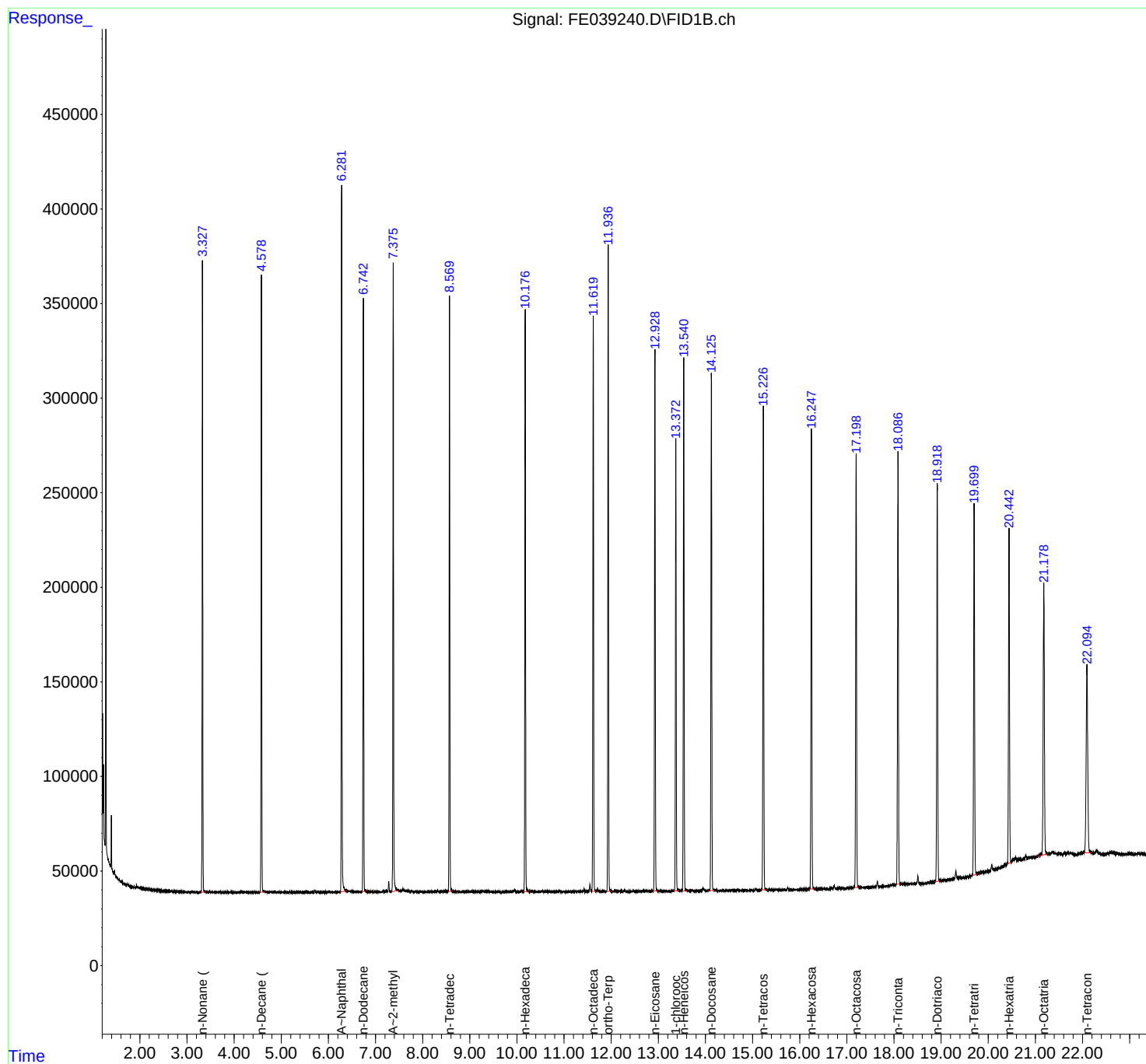
Instrument :
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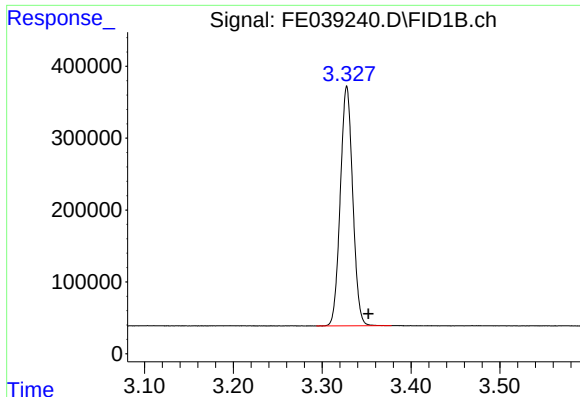
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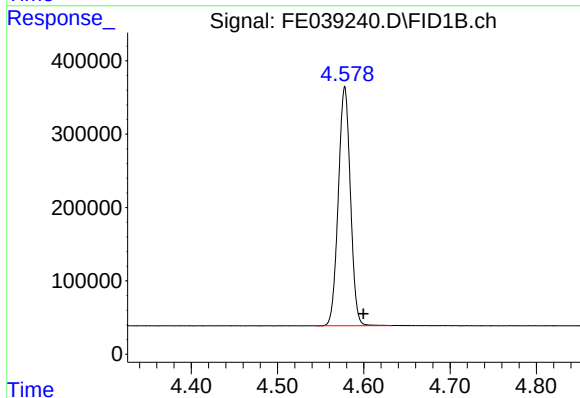
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: -0.024 min
Response: 3238286
Conc: 22.85 ug/ml

Instrument :
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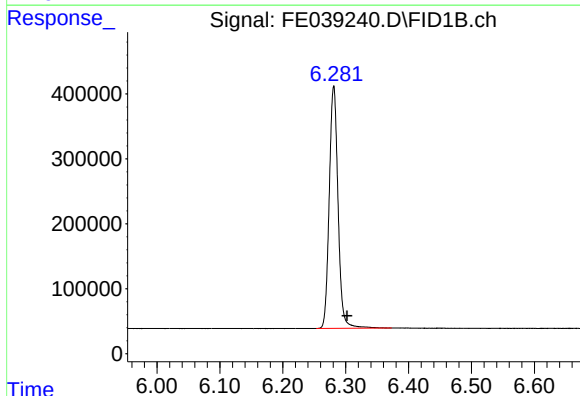
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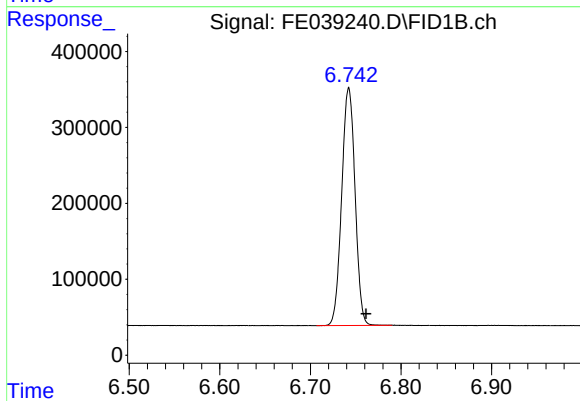
#2 n-Decane (C10)

R.T.: 4.578 min
Delta R.T.: -0.021 min
Response: 3176233
Conc: 22.79 ug/ml



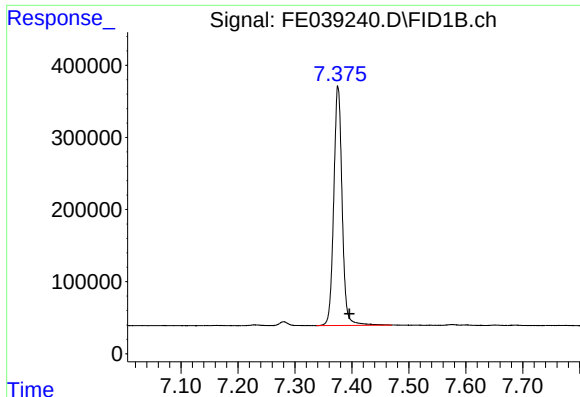
#3 A~Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: -0.021 min
Response: 3628966
Conc: 22.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.742 min
Delta R.T.: -0.019 min
Response: 3209253
Conc: 22.77 ug/ml



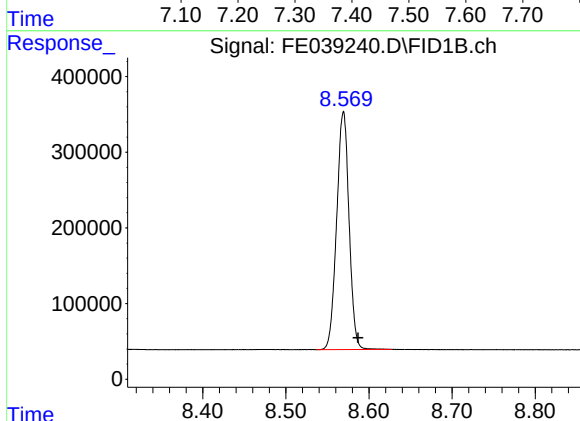
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.020 min
Response: 3401300
Conc: 22.73 ug/ml

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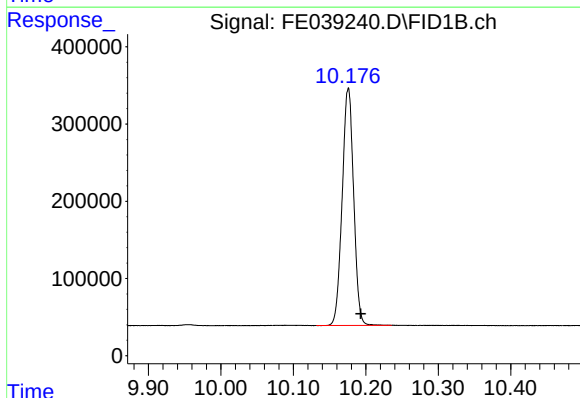
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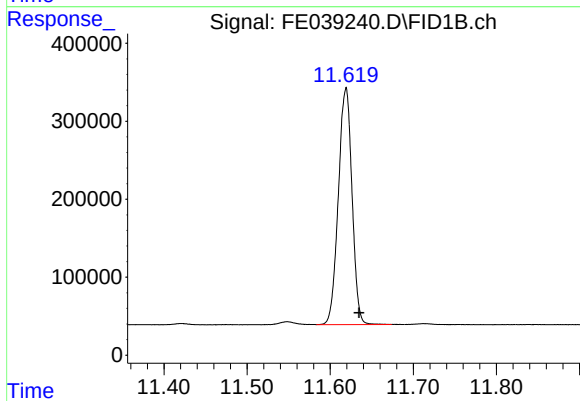
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.018 min
Response: 3265354
Conc: 22.86 ug/ml



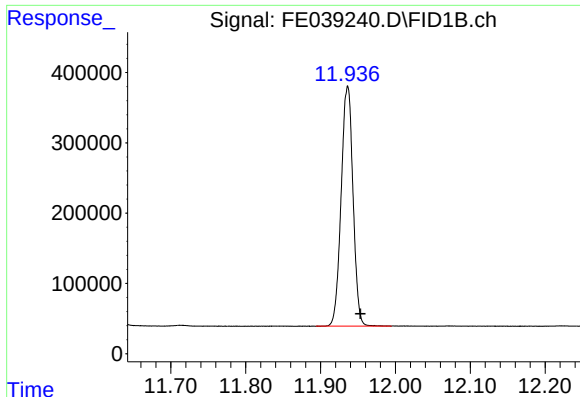
#7 n-Hexadecane (C16)

R.T.: 10.176 min
Delta R.T.: -0.017 min
Response: 3384533
Conc: 23.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.016 min
Response: 3470548
Conc: 23.59 ug/ml



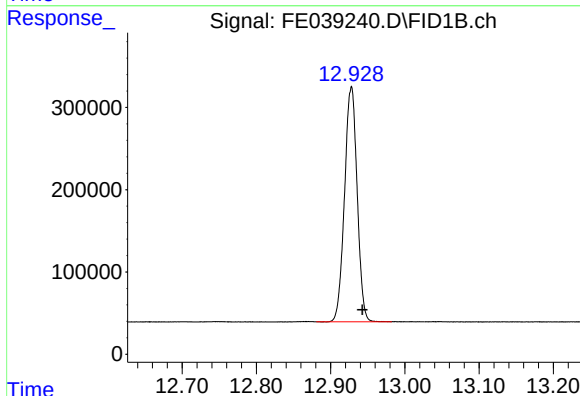
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: -0.017 min
Response: 3755484
Conc: 24.01 ug/ml

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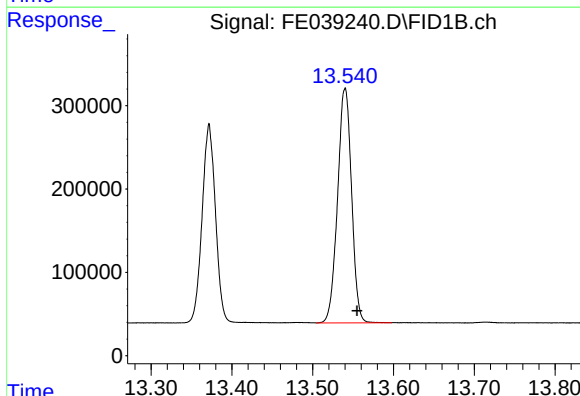
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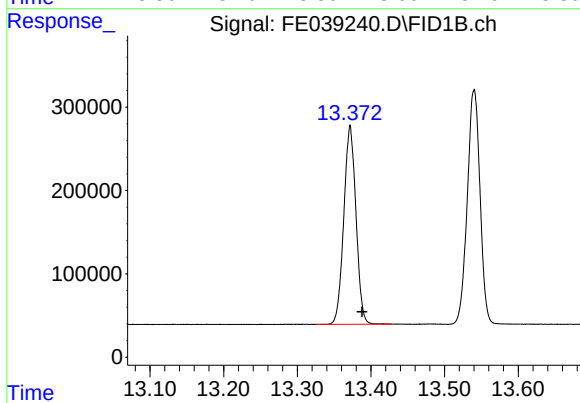
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.015 min
Response: 3370659
Conc: 23.74 ug/ml



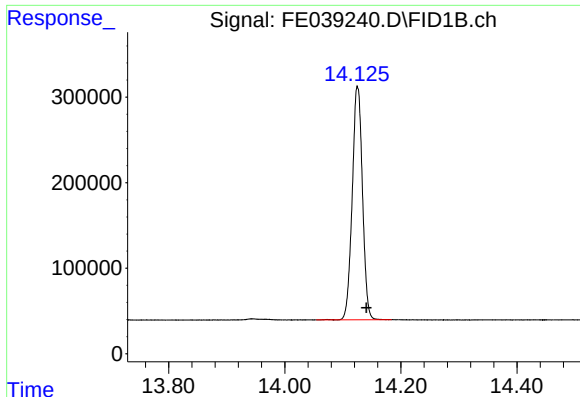
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: -0.015 min
Response: 3390699
Conc: 23.86 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: -0.016 min
Response: 2733074
Conc: 22.64 ug/ml



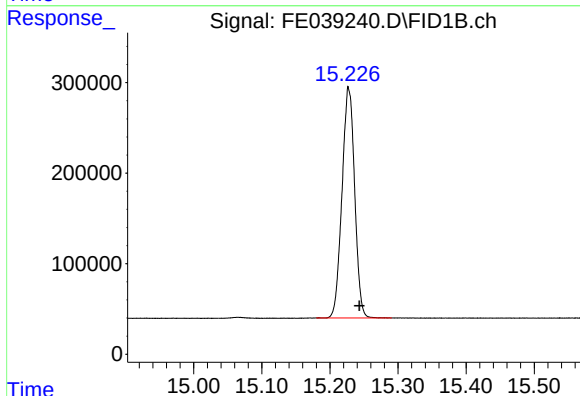
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.016 min
Response: 3344123
Conc: 23.92 ug/ml

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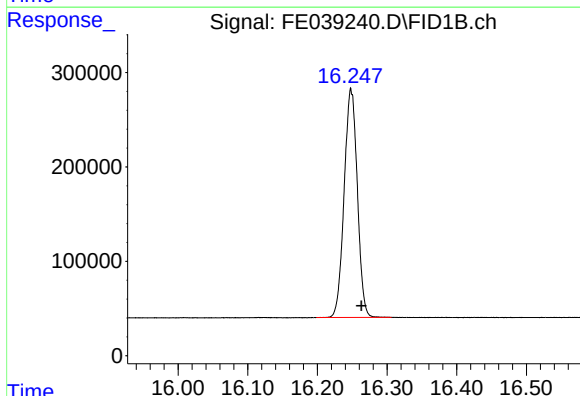
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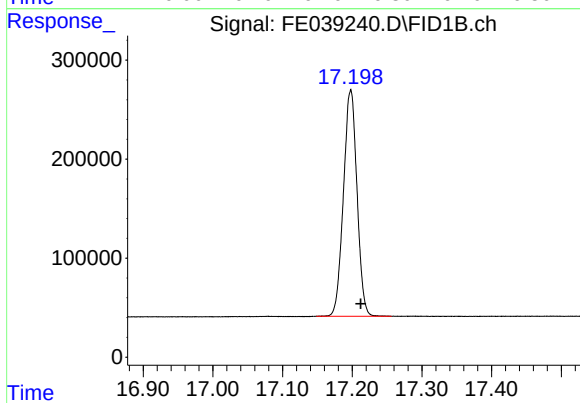
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: -0.016 min
Response: 3288202
Conc: 23.81 ug/ml



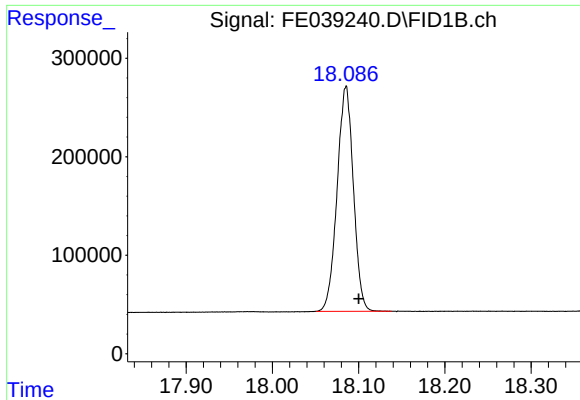
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.015 min
Response: 3181645
Conc: 23.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.198 min
Delta R.T.: -0.014 min
Response: 3088389
Conc: 23.26 ug/ml



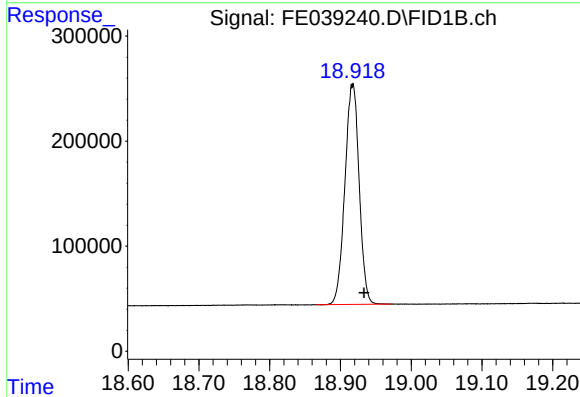
#17 n-Tricontane (C30)

R.T.: 18.085 min
Delta R.T.: -0.015 min
Response: 2994543
Conc: 22.68 ug/ml

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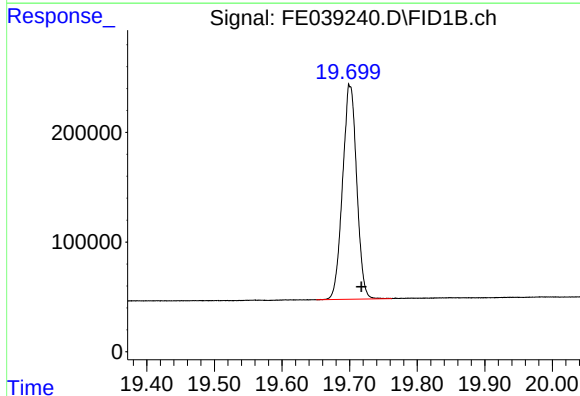
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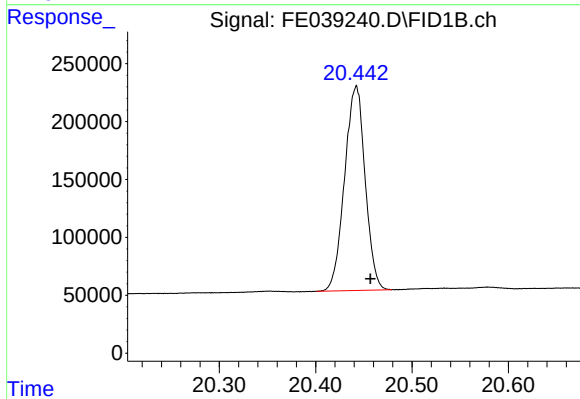
#18 n-Dotriacontane (C32)

R.T.: 18.917 min
Delta R.T.: -0.016 min
Response: 2938583
Conc: 22.03 ug/ml



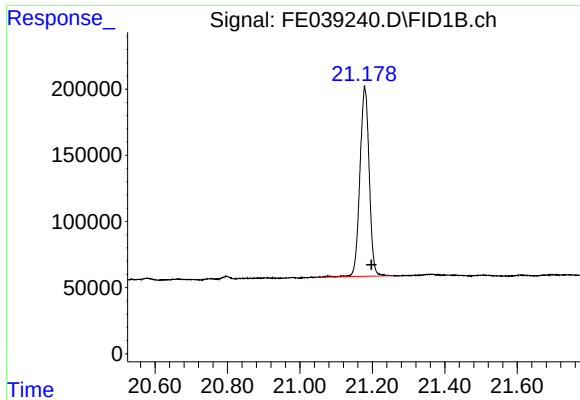
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.017 min
Response: 2840617
Conc: 21.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.442 min
Delta R.T.: -0.015 min
Response: 2610210
Conc: 20.32 ug/ml



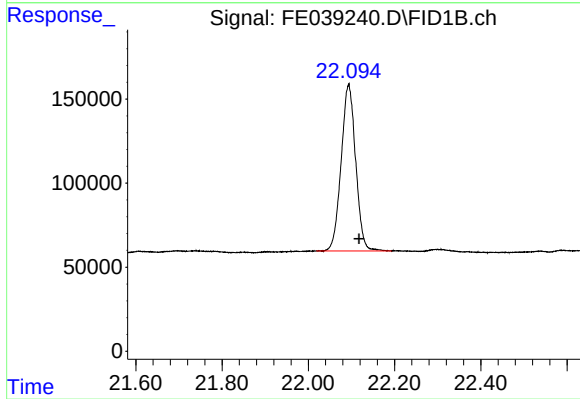
#21 n-Octatriacontane (C38)

R.T.: 21.179 min
Delta R.T.: -0.018 min
Response: 2540107
Conc: 19.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.094 min
Delta R.T.: -0.024 min
Response: 2311319
Conc: 16.97 ug/ml