

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071224AL\
 Data File : FE049096.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jul 2024 11:30
 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 07/15/2024
 Supervised By :Ankita Jodhani 07/15/2024

Integration File: sample.E
 Quant Time: Jul 13 00:23:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.916	2706949	16.189 ug/ml
Spiked Amount 50.000		Recovery =	32.38%
12) S 1-chlorooctadecane (S...	13.352	2062416	16.039 ug/ml
Spiked Amount 50.000		Recovery =	32.08%
Target Compounds			
1) T n-Nonane (C9)	3.306	2397747	15.949 ug/ml
2) T n-Decane (C10)	4.555	2621224	17.033 ug/ml
3) T A~Naphthalene (C11.7)	6.261	2653293	16.713 ug/ml
4) T n-Dodecane (C12)	6.721	2615947	16.946 ug/ml
5) T A~2-methylnaphthalene...	7.357	2519994	16.641 ug/ml
6) T n-Tetradecane (C14)	8.549	2587556	16.883 ug/ml
7) T n-Hexadecane (C16)	10.156	2649147	16.943 ug/ml
8) T n-Octadecane (C18)	11.599	2657279	16.661 ug/ml
10) T n-Eicosane (C20)	12.907	2536034	16.358 ug/ml
11) T n-Heneicosane (C21)	13.518	2491867	16.365 ug/ml
13) T n-Docosane (C22)	14.104	2477597	16.383 ug/ml
14) T n-Tetracosane (C24)	15.207	2505857	16.675 ug/ml
15) T n-Hexacosane (C26)	16.226	2524785	17.102 ug/ml
16) T n-Octacosane (C28)	17.175	2686279	18.627 ug/ml
17) T n-Tricontane (C30)	18.062	3122357	21.342 ug/ml
18) T n-Dotriacontane (C32)	18.894	3263219	22.823 ug/ml
19) T n-Tetratriacontane (C34)	19.676	3085476	22.298 ug/ml
20) T n-Hexatriacontane (C36)	20.414	2846023	21.898 ug/mlm
21) T n-Octatriacontane (C38)	21.147	2763905	21.560 ug/mlm
22) T n-Tetracontane (C40)	22.053	2738555	22.363 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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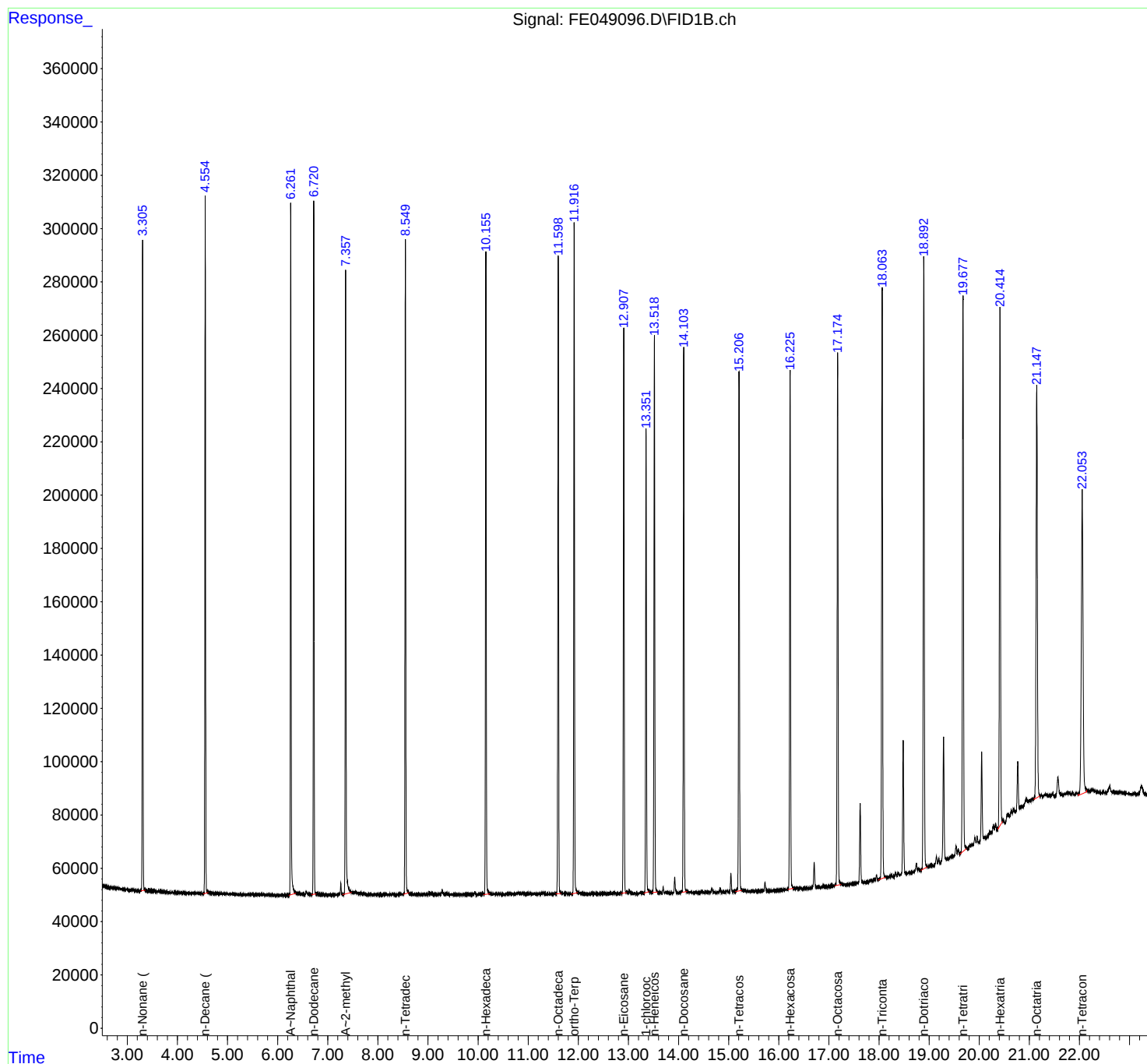
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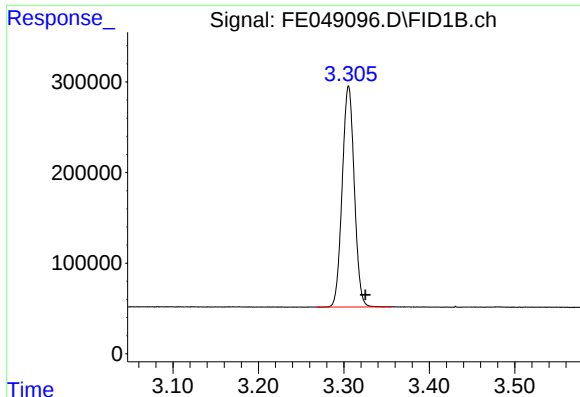
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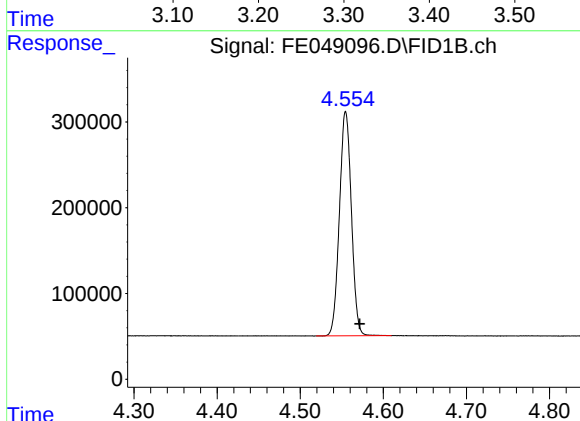
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.019 min
Response: 2397747
Conc: 15.95 ug/ml

Instrument :
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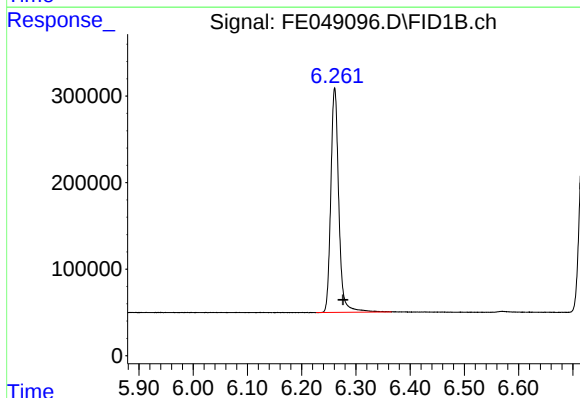
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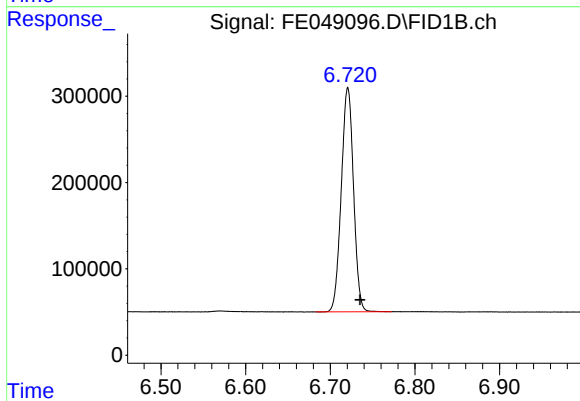
#2 n-Decane (C10)

R.T.: 4.555 min
Delta R.T.: -0.017 min
Response: 2621224
Conc: 17.03 ug/ml



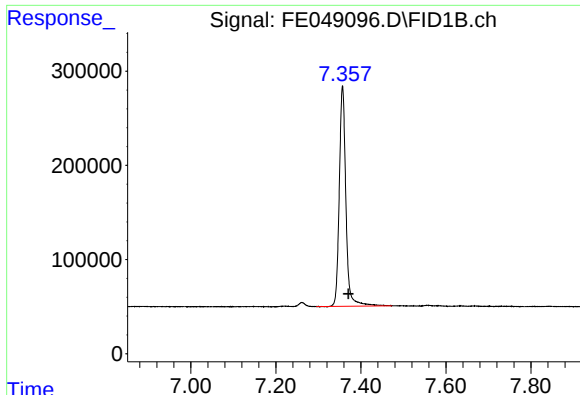
#3 A~Naphthalene (C11.7)

R.T.: 6.261 min
Delta R.T.: -0.015 min
Response: 2653293
Conc: 16.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.721 min
Delta R.T.: -0.014 min
Response: 2615947
Conc: 16.95 ug/ml



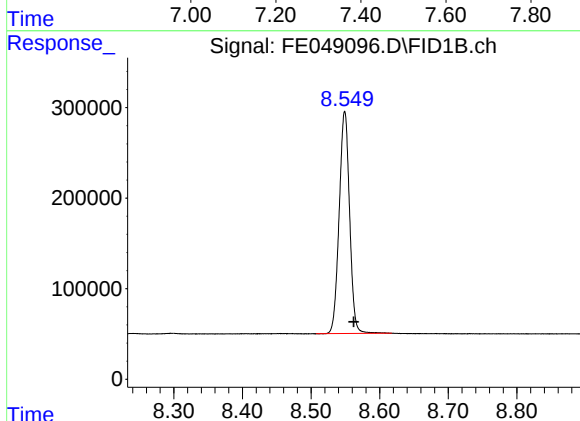
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.357 min
Delta R.T.: -0.014 min
Response: 2519994
Conc: 16.64 ug/ml

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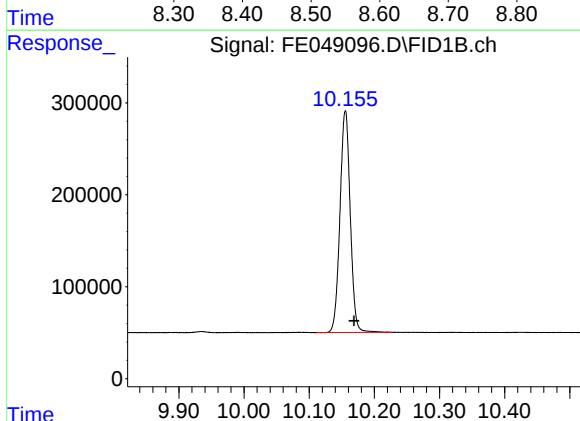
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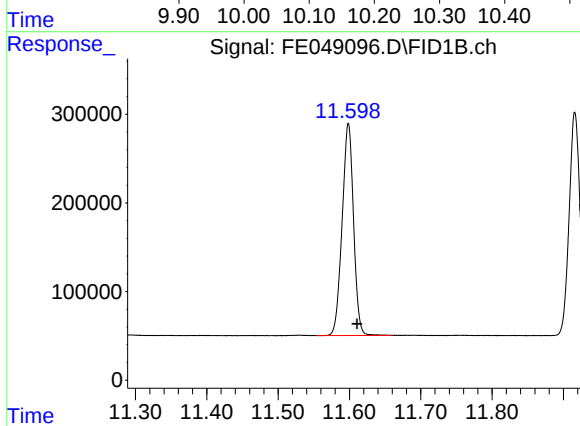
#6 n-Tetradecane (C14)

R.T.: 8.549 min
Delta R.T.: -0.013 min
Response: 2587556
Conc: 16.88 ug/ml



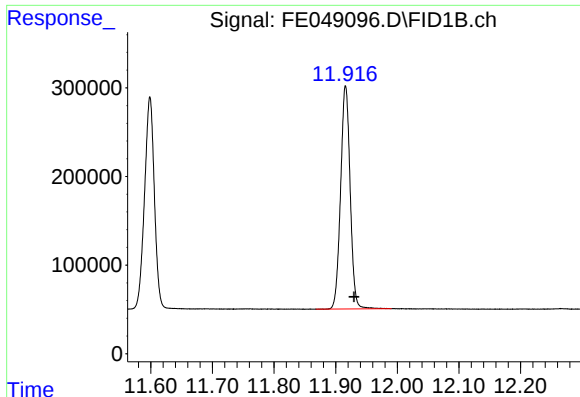
#7 n-Hexadecane (C16)

R.T.: 10.156 min
Delta R.T.: -0.013 min
Response: 2649147
Conc: 16.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: -0.012 min
Response: 2657279
Conc: 16.66 ug/ml



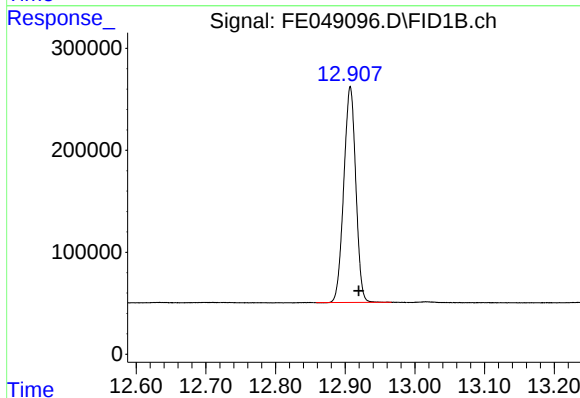
#9 ortho-Terphenyl (SURR)

R.T.: 11.916 min
Delta R.T.: -0.014 min
Response: 2706949
Conc: 16.19 ug/ml

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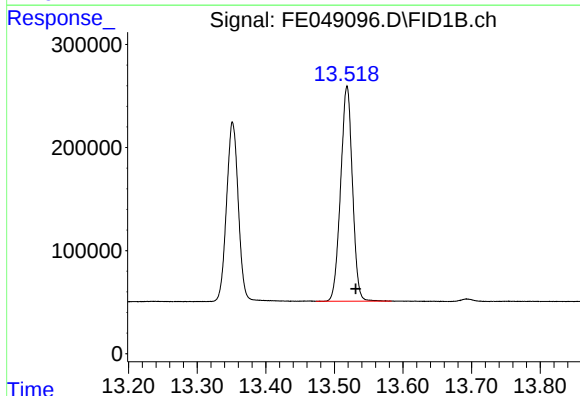
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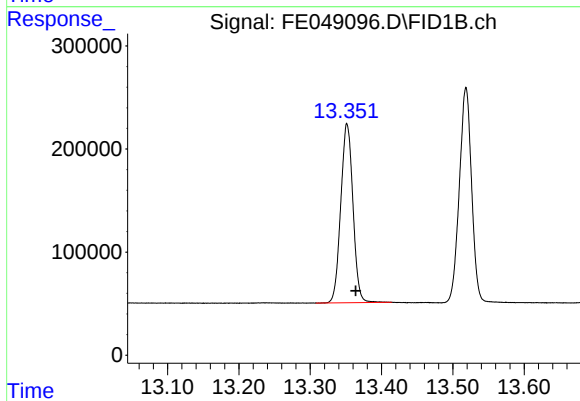
#10 n-Eicosane (C20)

R.T.: 12.907 min
Delta R.T.: -0.012 min
Response: 2536034
Conc: 16.36 ug/ml



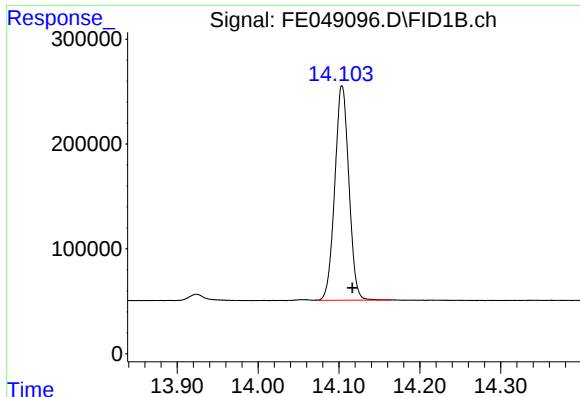
#11 n-Heneicosane (C21)

R.T.: 13.518 min
Delta R.T.: -0.012 min
Response: 2491867
Conc: 16.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.352 min
Delta R.T.: -0.012 min
Response: 2062416
Conc: 16.04 ug/ml



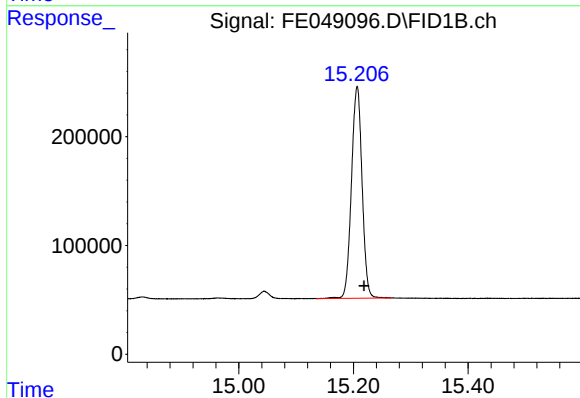
#13 n-Docosane (C22)

R.T.: 14.104 min
Delta R.T.: -0.013 min
Response: 2477597
Conc: 16.38 ug/ml

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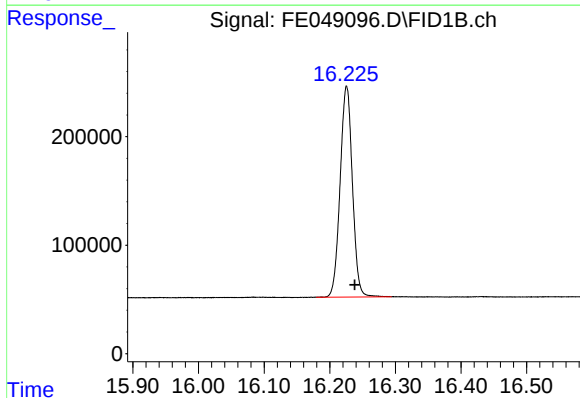
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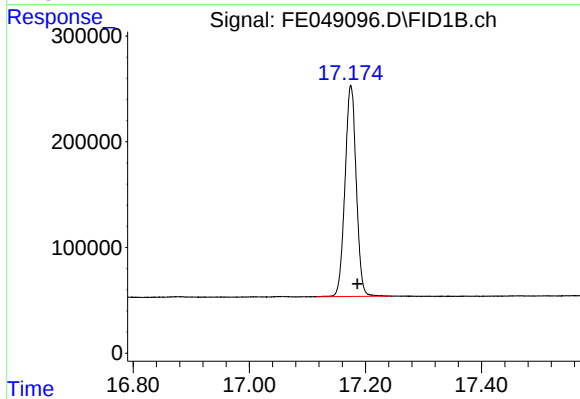
#14 n-Tetracosane (C24)

R.T.: 15.207 min
Delta R.T.: -0.012 min
Response: 2505857
Conc: 16.67 ug/ml



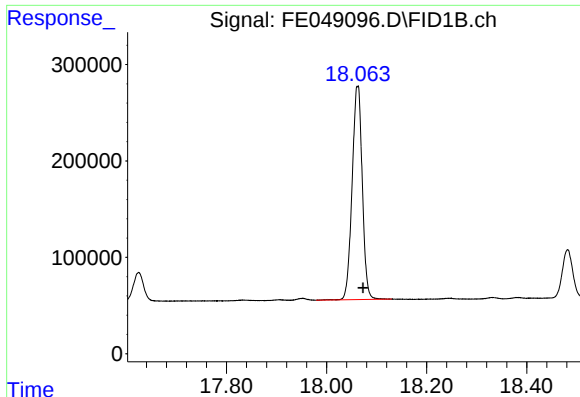
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: -0.012 min
Response: 2524785
Conc: 17.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.175 min
Delta R.T.: -0.011 min
Response: 2686279
Conc: 18.63 ug/ml



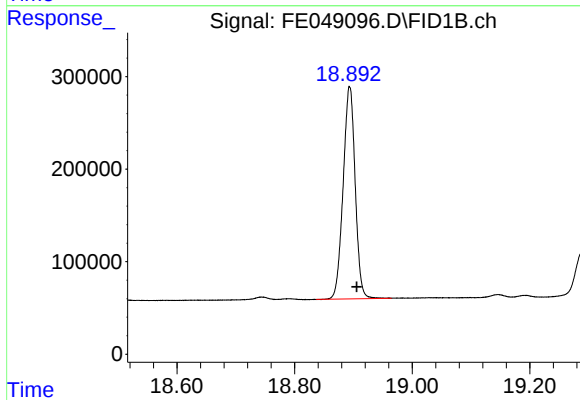
#17 n-Tricontane (C30)

R.T.: 18.062 min
Delta R.T.: -0.011 min
Response: 3122357
Conc: 21.34 ug/ml

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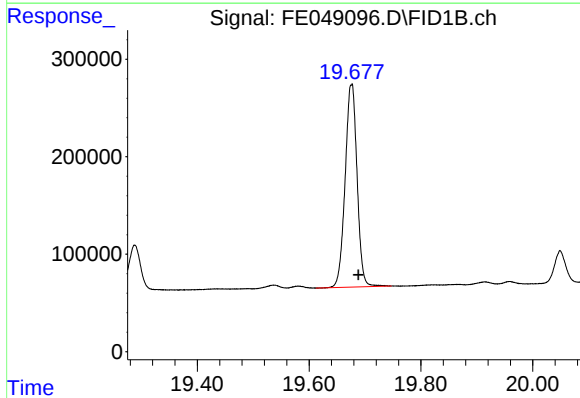
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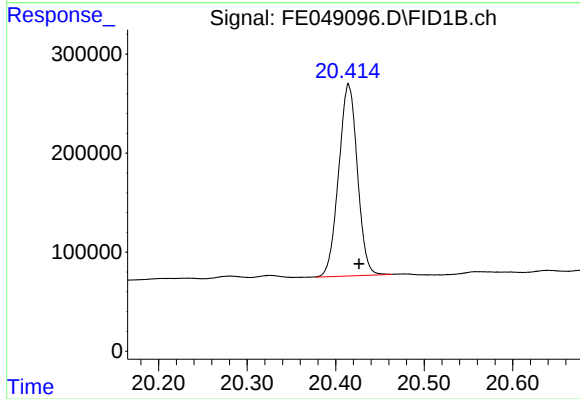
#18 n-Dotriacontane (C32)

R.T.: 18.894 min
Delta R.T.: -0.012 min
Response: 3263219
Conc: 22.82 ug/ml



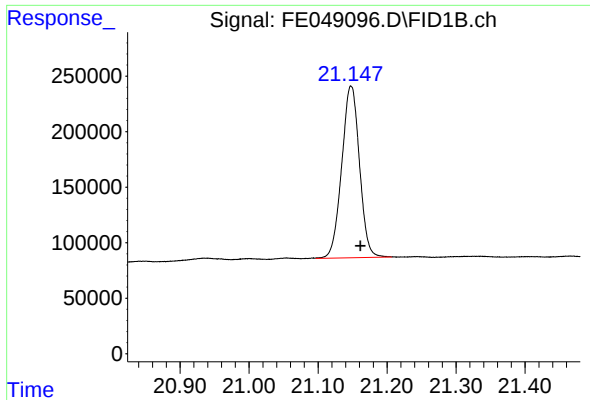
#19 n-Tetratriacontane (C34)

R.T.: 19.676 min
Delta R.T.: -0.012 min
Response: 3085476
Conc: 22.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.414 min
Delta R.T.: -0.013 min
Response: 2846023
Conc: 21.90 ug/ml m



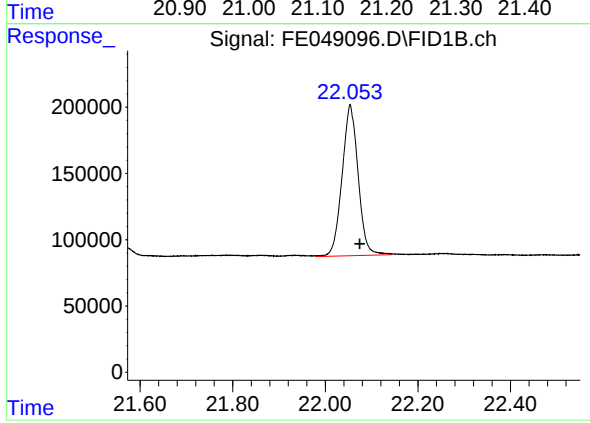
#21 n-Octatriacontane (C38)

R.T.: 21.147 min
Delta R.T.: -0.014 min
Response: 2763905
Conc: 21.56 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.053 min
Delta R.T.: -0.021 min
Response: 2738555
Conc: 22.36 ug/ml m