

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010323AL\
 Data File : FE039608.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jan 2023 12:34
 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 01/04/2023
 Supervised By :Ankita Jodhani 01/04/2023

Integration File: autoint1.e
 Quant Time: Jan 03 17:27:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 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)	11.929	2960619	19.839 ug/ml
Spiked Amount 50.000		Recovery =	39.68%
12) S 1-chlorooctadecane (S...	13.364	2271387	19.734 ug/ml
Spiked Amount 50.000		Recovery =	39.47%
Target Compounds			
1) T n-Nonane (C9)	3.320	2371764	18.349 ug/ml
2) T n-Decane (C10)	4.571	2380729	18.684 ug/ml
3) T A~Naphthalene (C11.7)	6.274	2705547	18.716 ug/ml
4) T n-Dodecane (C12)	6.735	2417016	18.618 ug/ml
5) T A~2-methylnaphthalene...	7.369	2555223	18.867 ug/ml
6) T n-Tetradecane (C14)	8.561	2484201	18.747 ug/ml
7) T n-Hexadecane (C16)	10.168	2621844	19.058 ug/ml
8) T n-Octadecane (C18)	11.610	2714512	19.381 ug/ml
10) T n-Eicosane (C20)	12.919	2683247	19.657 ug/ml
11) T n-Heneicosane (C21)	13.531	2698463	19.785 ug/mlm
13) T n-Docosane (C22)	14.118	2707467	20.015 ug/ml
14) T n-Tetracosane (C24)	15.220	2738663	20.401 ug/ml
15) T n-Hexacosane (C26)	16.242	2708043	20.798 ug/ml
16) T n-Octacosane (C28)	17.192	2772843	21.545 ug/ml
17) T n-Tricontane (C30)	18.080	2929155	22.751 ug/mlm
18) T n-Dotriacontane (C32)	18.913	2974398	22.968 ug/ml
19) T n-Tetratriacontane (C34)	19.697	2791371	22.125 ug/ml
20) T n-Hexatriacontane (C36)	20.437	2496118	20.643 ug/ml
21) T n-Octatriacontane (C38)	21.173	2605820	21.100 ug/ml
22) T n-Tetracontane (C40)	22.084	2343866	18.664 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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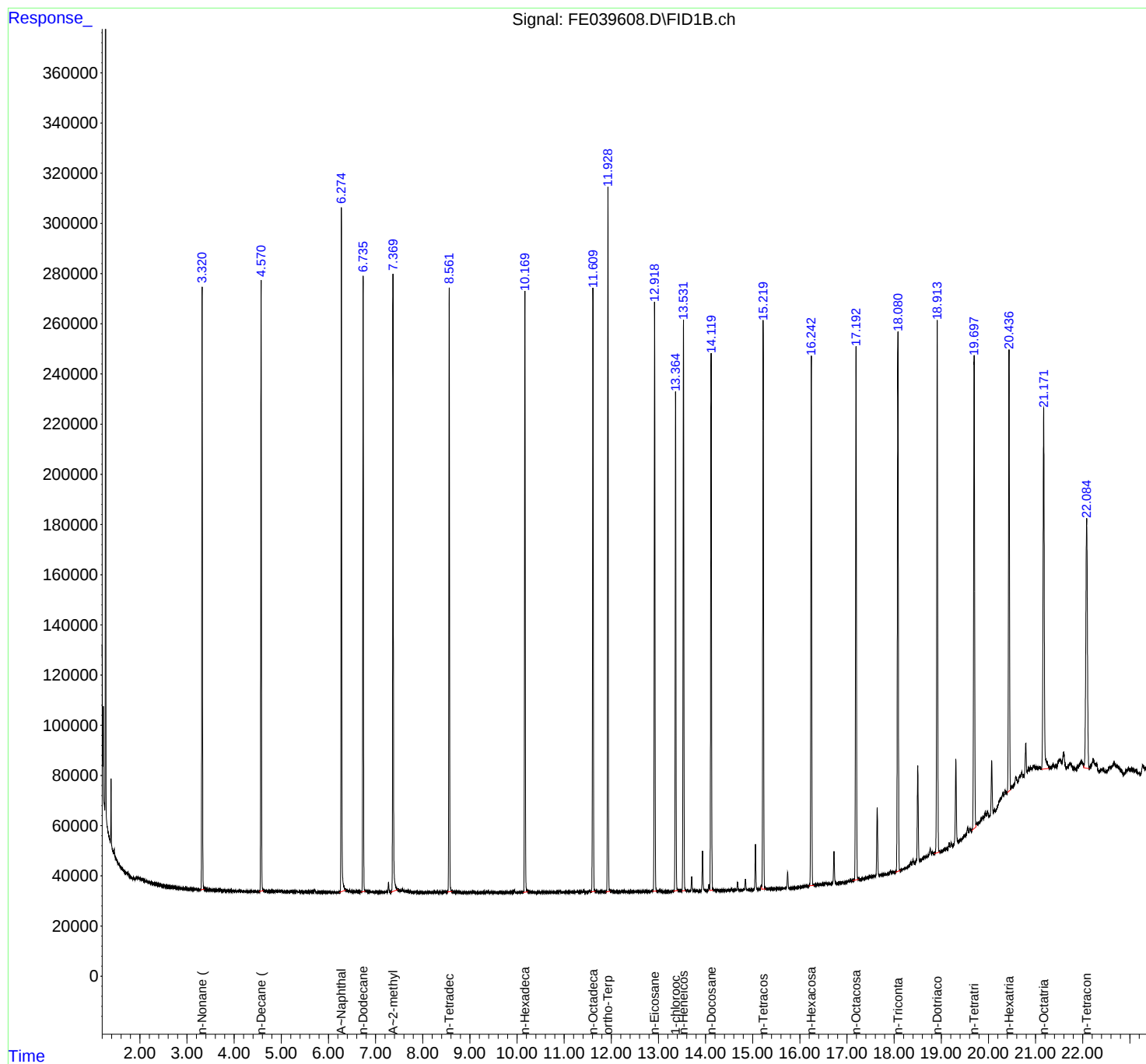
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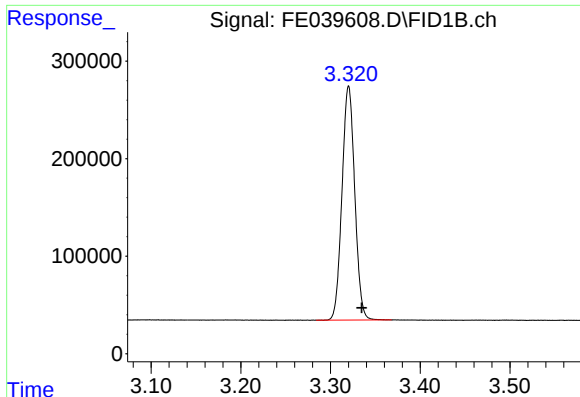
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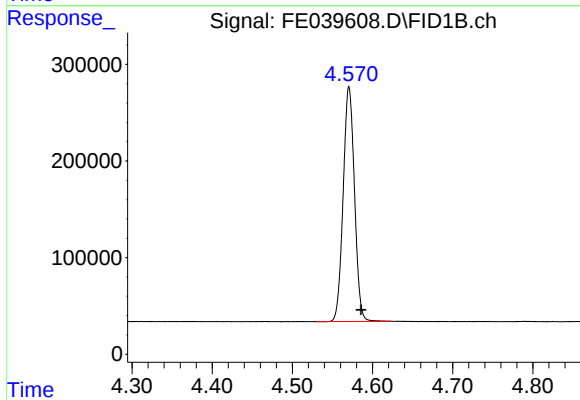
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.015 min
Response: 2371764
Conc: 18.35 ug/ml

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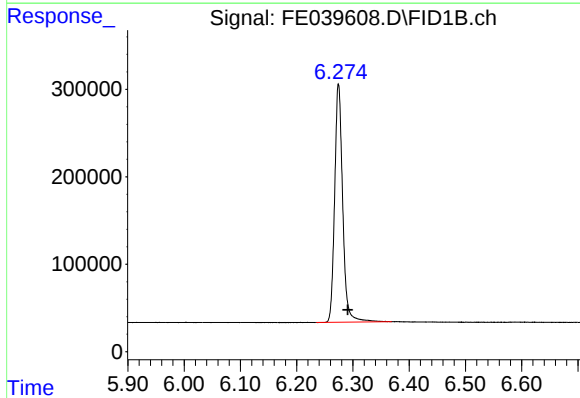
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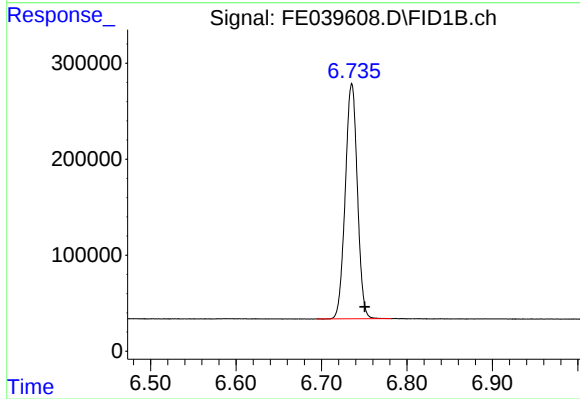
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.015 min
Response: 2380729
Conc: 18.68 ug/ml



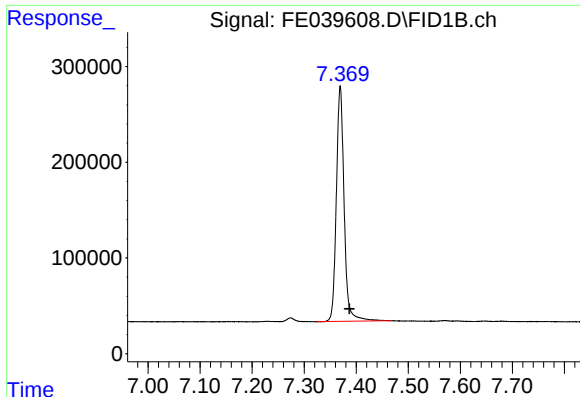
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: -0.016 min
Response: 2705547
Conc: 18.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.015 min
Response: 2417016
Conc: 18.62 ug/ml



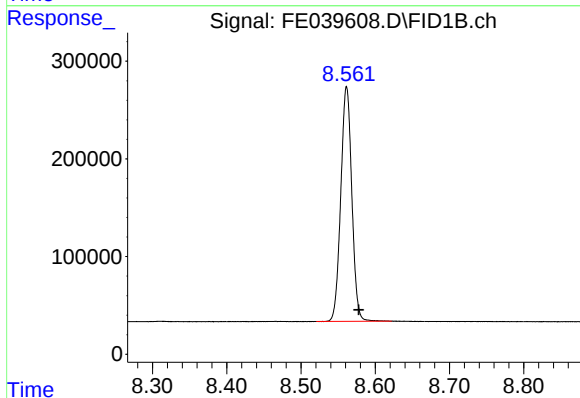
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.018 min
Response: 2555223
Conc: 18.87 ug/ml

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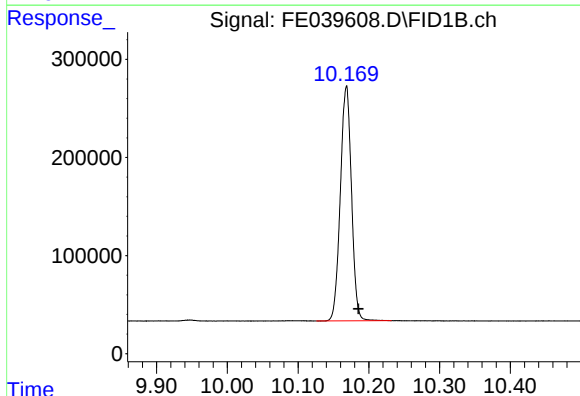
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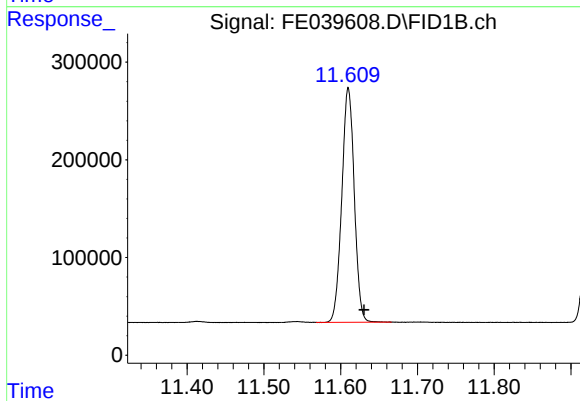
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: -0.016 min
Response: 2484201
Conc: 18.75 ug/ml



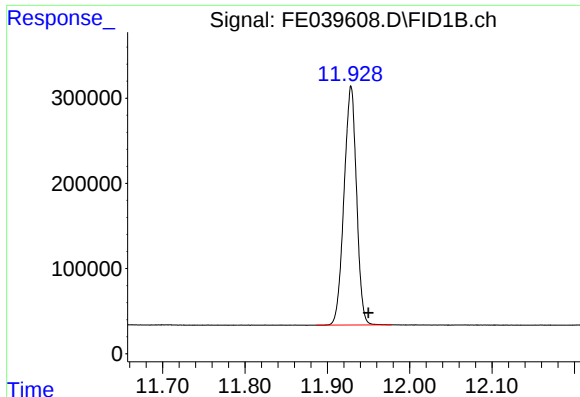
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.017 min
Response: 2621844
Conc: 19.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.610 min
Delta R.T.: -0.020 min
Response: 2714512
Conc: 19.38 ug/ml



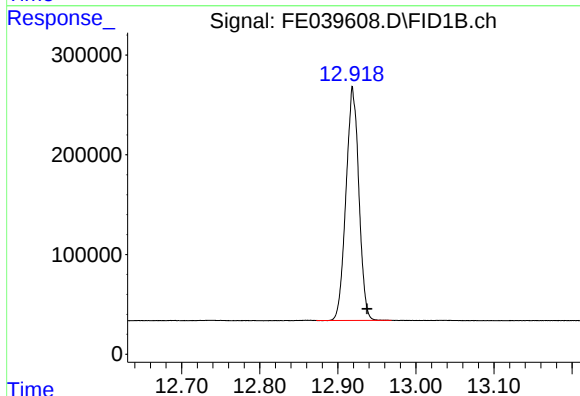
#9 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.021 min
Response: 2960619
Conc: 19.84 ug/ml

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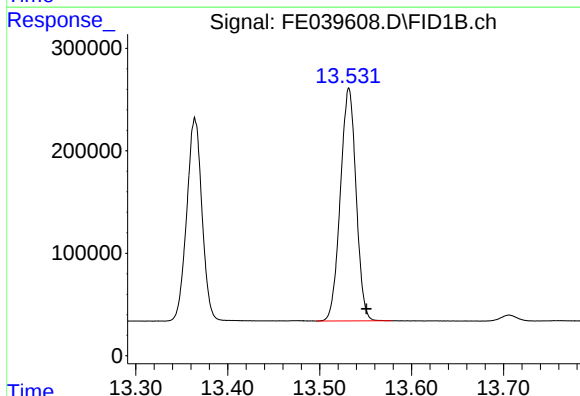
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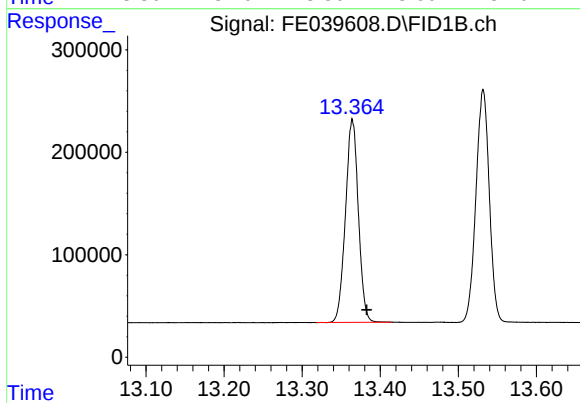
#10 n-Eicosane (C20)

R.T.: 12.919 min
Delta R.T.: -0.019 min
Response: 2683247
Conc: 19.66 ug/ml



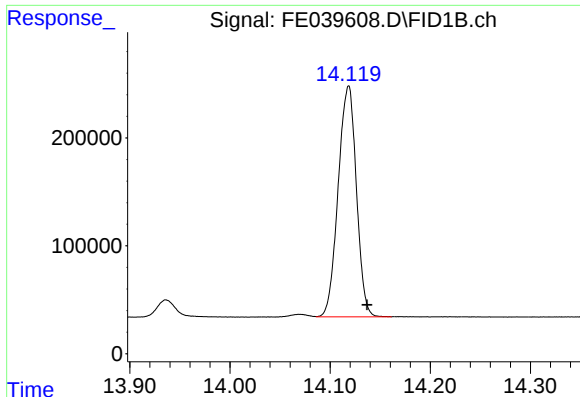
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.019 min
Response: 2698463
Conc: 19.78 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.364 min
Delta R.T.: -0.019 min
Response: 2271387
Conc: 19.73 ug/ml



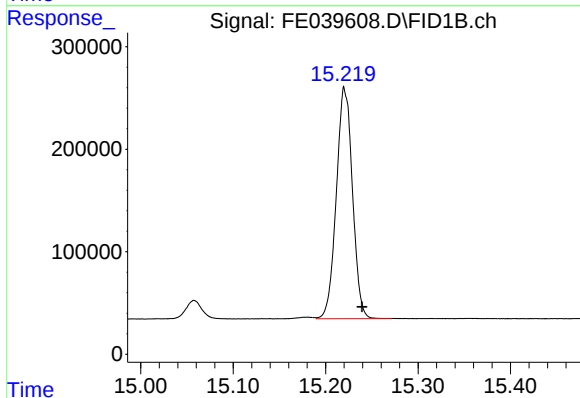
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: -0.019 min
Response: 2707467
Conc: 20.01 ug/ml

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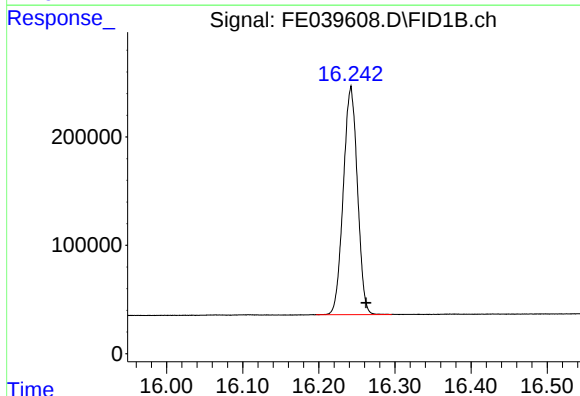
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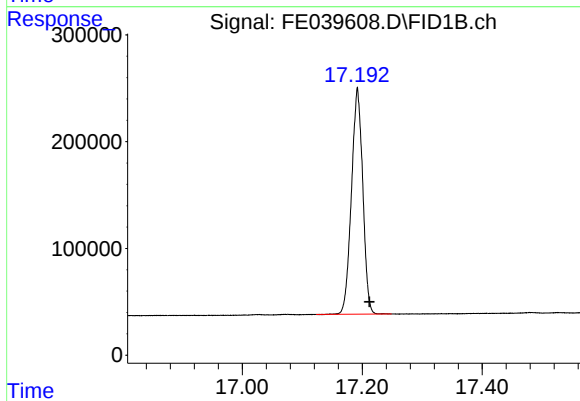
#14 n-Tetracosane (C24)

R.T.: 15.220 min
Delta R.T.: -0.019 min
Response: 2738663
Conc: 20.40 ug/ml



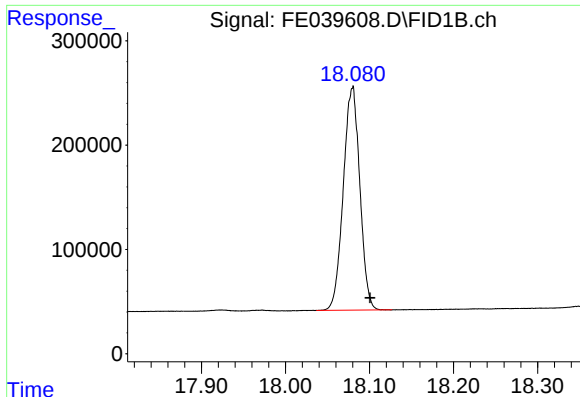
#15 n-Hexacosane (C26)

R.T.: 16.242 min
Delta R.T.: -0.020 min
Response: 2708043
Conc: 20.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.192 min
Delta R.T.: -0.020 min
Response: 2772843
Conc: 21.54 ug/ml



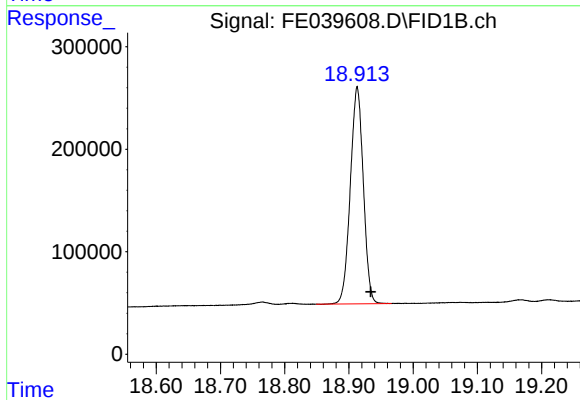
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: -0.020 min
Response: 2929155
Conc: 22.75 ug/ml

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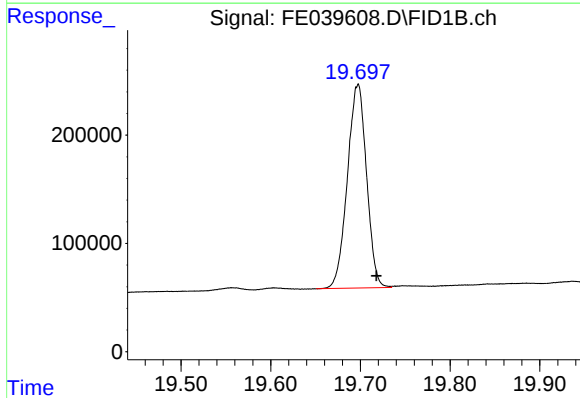
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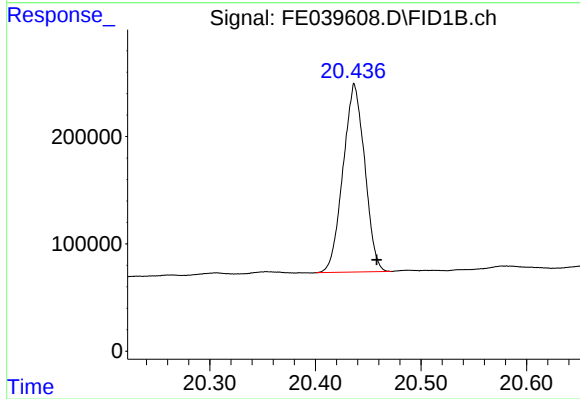
#18 n-Dotriacontane (C32)

R.T.: 18.913 min
Delta R.T.: -0.021 min
Response: 2974398
Conc: 22.97 ug/ml



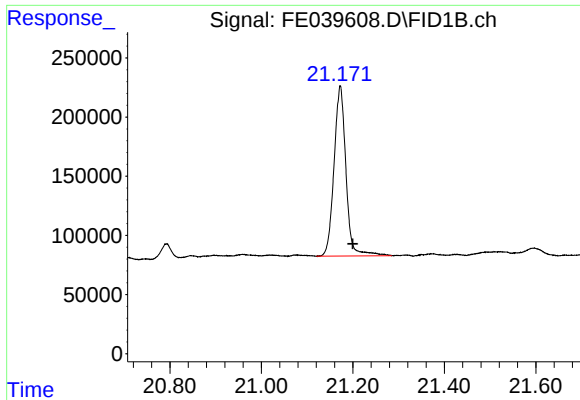
#19 n-Tetratriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.020 min
Response: 2791371
Conc: 22.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: -0.021 min
Response: 2496118
Conc: 20.64 ug/ml



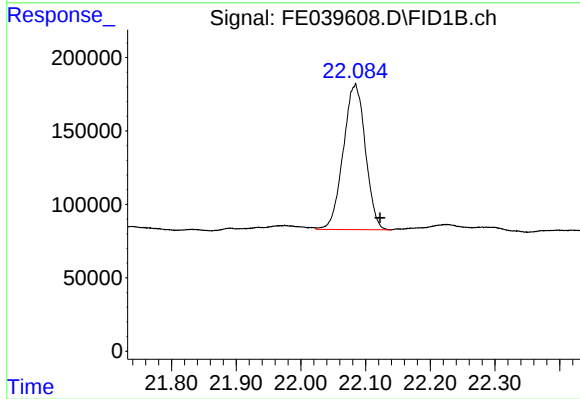
#21 n-Octatriacontane (C38)

R.T.: 21.173 min
Delta R.T.: -0.027 min
Response: 2605820
Conc: 21.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.084 min
Delta R.T.: -0.038 min
Response: 2343866
Conc: 18.66 ug/ml