

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010323AL\
 Data File : FE039603.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jan 2023 09:34
 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 17:27:20 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)	11.928	3001258	20.111 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
12) S 1-chlorooctadecane (S...	13.365	2279254	19.803 ug/ml
Spiked Amount 50.000		Recovery =	39.61%
Target Compounds			
1) T n-Nonane (C9)	3.321	2415447	18.687 ug/ml
2) T n-Decane (C10)	4.571	2429190	19.064 ug/ml
3) T A~Naphthalene (C11.7)	6.275	2751859	19.036 ug/ml
4) T n-Dodecane (C12)	6.735	2458201	18.935 ug/ml
5) T A~2-methylnaphthalene...	7.369	2586760	19.100 ug/ml
6) T n-Tetradecane (C14)	8.562	2520864	19.024 ug/ml
7) T n-Hexadecane (C16)	10.169	2648576	19.252 ug/ml
8) T n-Octadecane (C18)	11.611	2742026	19.577 ug/ml
10) T n-Eicosane (C20)	12.921	2712845	19.873 ug/ml
11) T n-Heneicosane (C21)	13.531	2726984	19.994 ug/mlm
13) T n-Docosane (C22)	14.118	2736421	20.229 ug/ml
14) T n-Tetracosane (C24)	15.221	2774104	20.665 ug/ml
15) T n-Hexacosane (C26)	16.242	2714348	20.846 ug/ml
16) T n-Octacosane (C28)	17.193	2766583	21.496 ug/ml
17) T n-Tricontane (C30)	18.079	2911798	22.616 ug/mlm
18) T n-Dotriacontane (C32)	18.912	2970884	22.941 ug/ml
19) T n-Tetratriacontane (C34)	19.696	2731401	21.650 ug/ml
20) T n-Hexatriacontane (C36)	20.439	2473904	20.459 ug/mlm
21) T n-Octatriacontane (C38)	21.175	2357367	19.088 ug/mlm
22) T n-Tetracontane (C40)	22.087	2315688	18.439 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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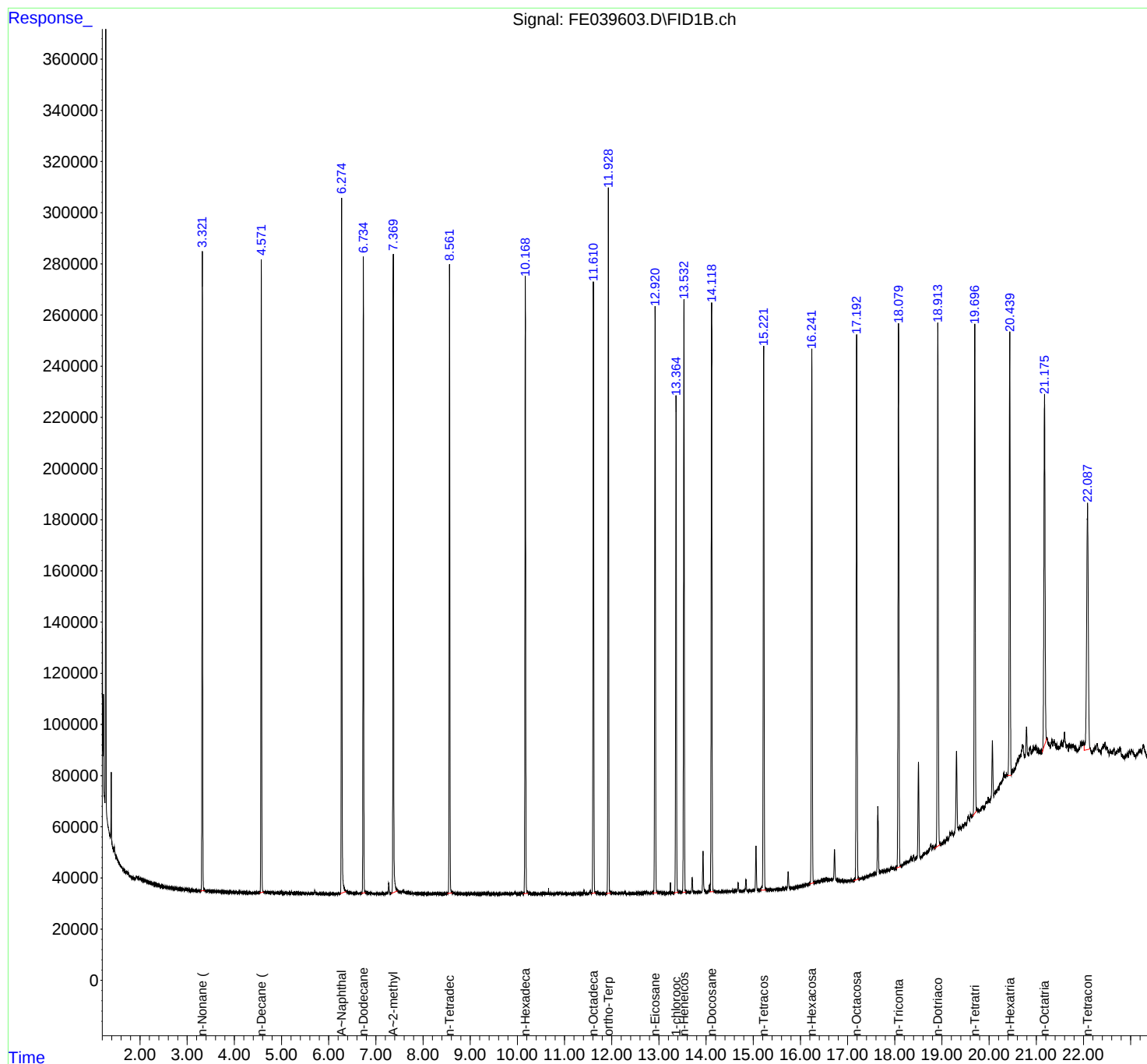
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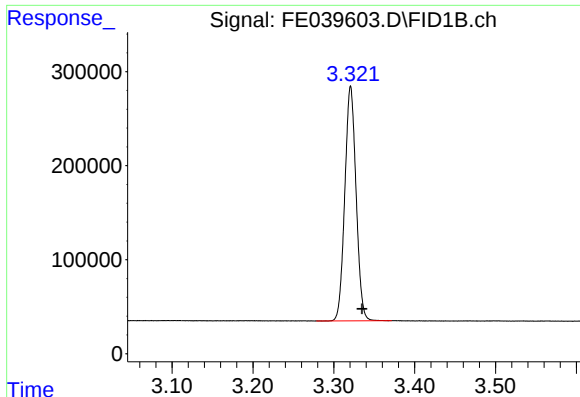
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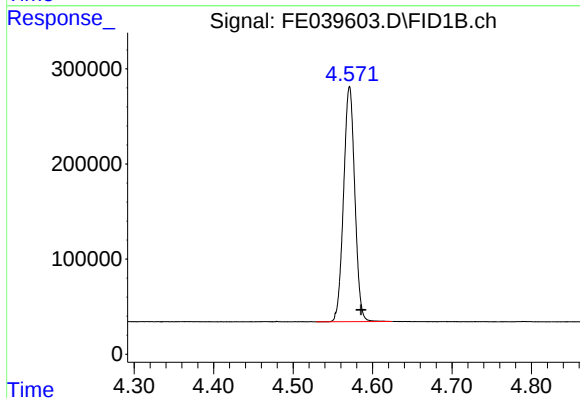
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: -0.014 min
Response: 2415447
Conc: 18.69 ug/ml

Instrument :
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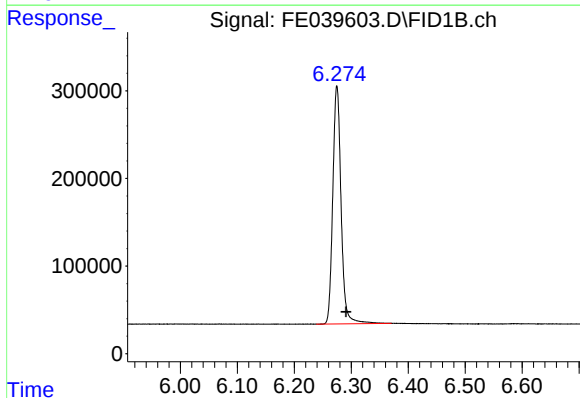
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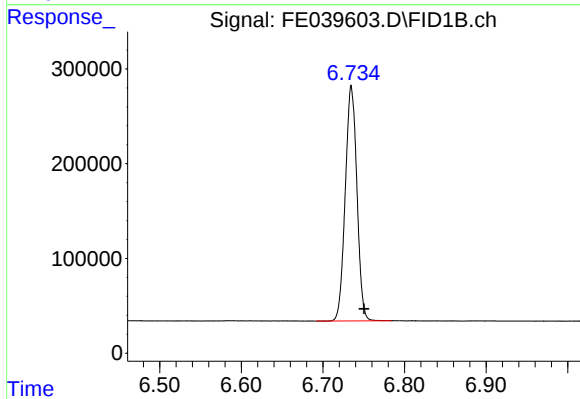
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.015 min
Response: 2429190
Conc: 19.06 ug/ml



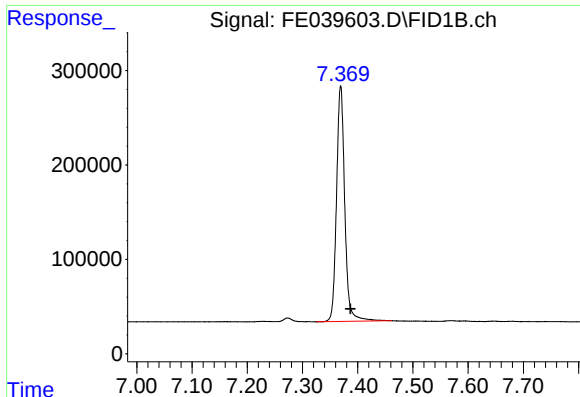
#3 A~Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.016 min
Response: 2751859
Conc: 19.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.016 min
Response: 2458201
Conc: 18.93 ug/ml



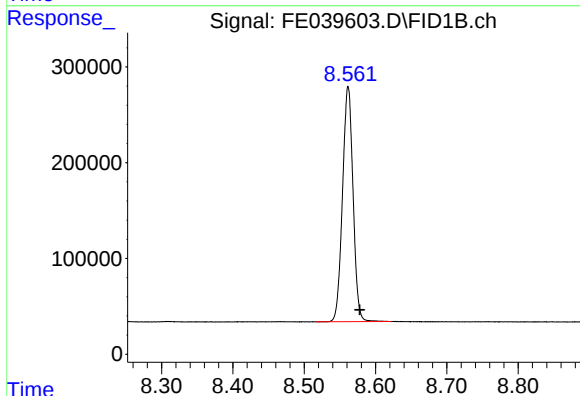
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: -0.018 min
Response: 2586760
Conc: 19.10 ug/ml

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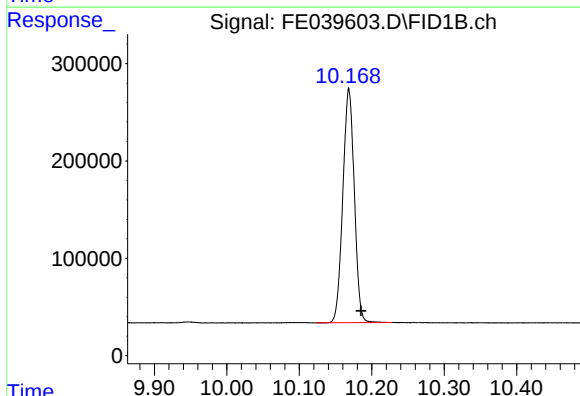
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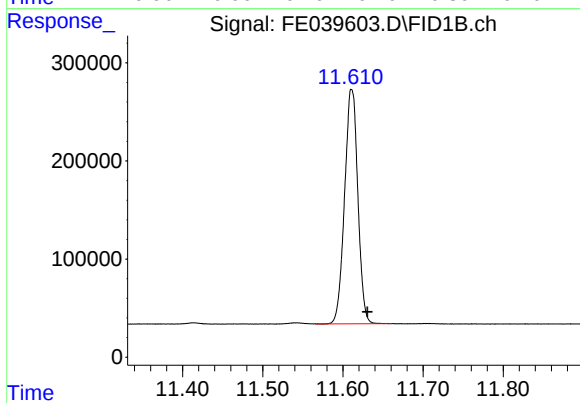
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: -0.016 min
Response: 2520864
Conc: 19.02 ug/ml



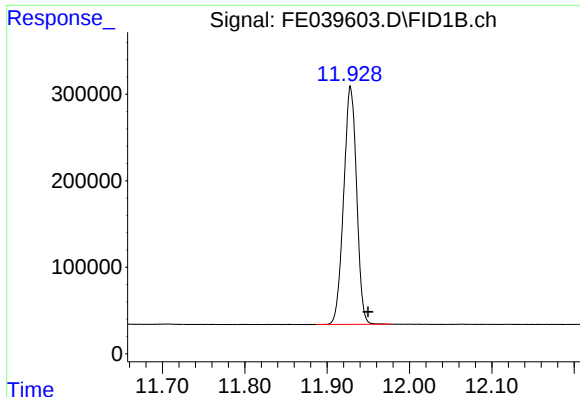
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: -0.017 min
Response: 2648576
Conc: 19.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.611 min
Delta R.T.: -0.019 min
Response: 2742026
Conc: 19.58 ug/ml



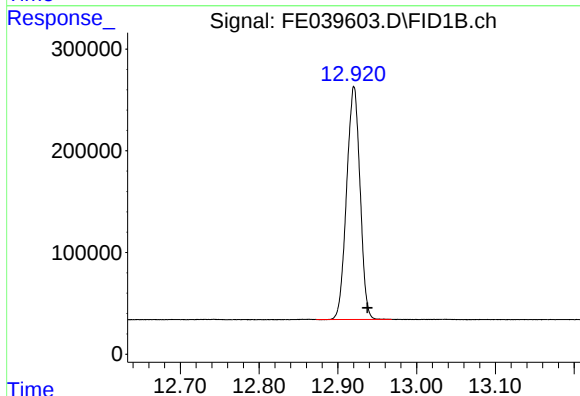
#9 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.021 min
Response: 3001258
Conc: 20.11 ug/ml

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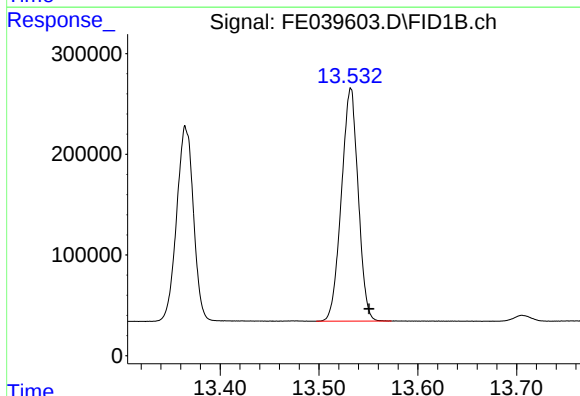
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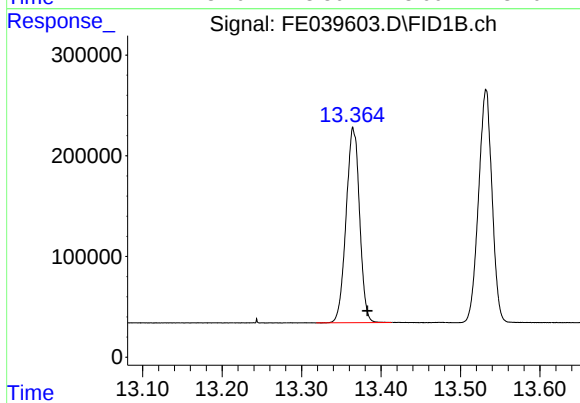
#10 n-Eicosane (C20)

R.T.: 12.921 min
Delta R.T.: -0.017 min
Response: 2712845
Conc: 19.87 ug/ml



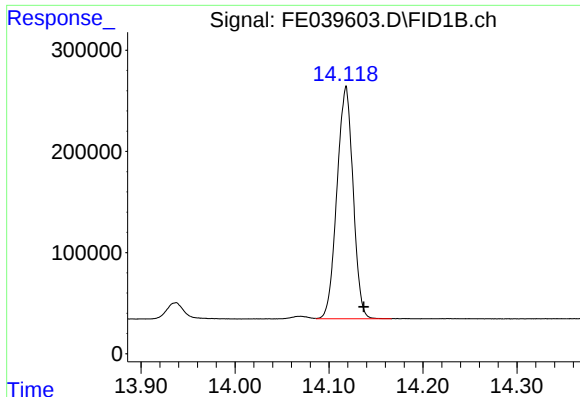
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.019 min
Response: 2726984
Conc: 19.99 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.365 min
Delta R.T.: -0.018 min
Response: 2279254
Conc: 19.80 ug/ml



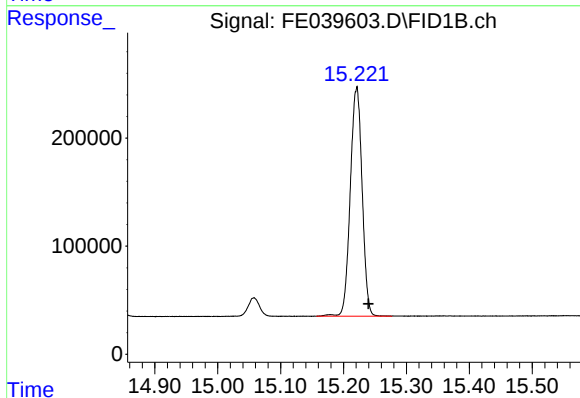
#13 n-Docosane (C22)

R.T.: 14.118 min
Delta R.T.: -0.019 min
Response: 2736421
Conc: 20.23 ug/ml

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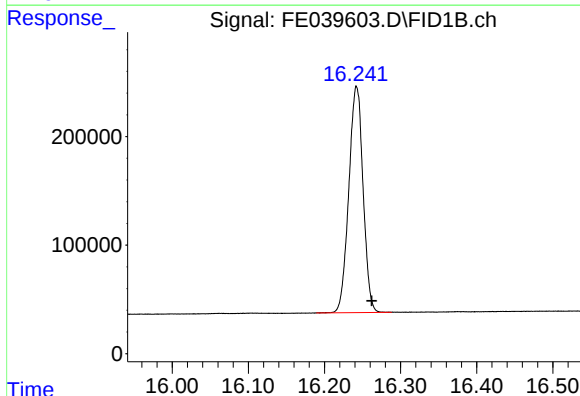
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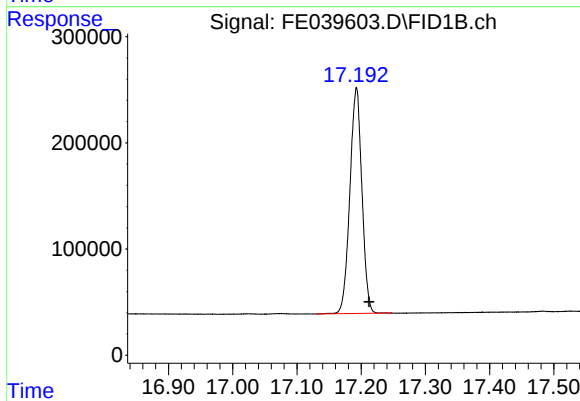
#14 n-Tetracosane (C24)

R.T.: 15.221 min
Delta R.T.: -0.019 min
Response: 2774104
Conc: 20.67 ug/ml



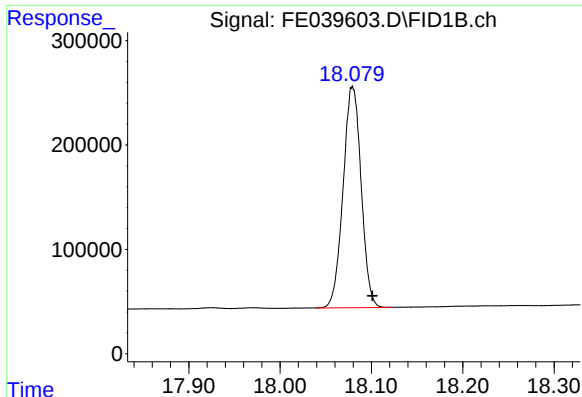
#15 n-Hexacosane (C26)

R.T.: 16.242 min
Delta R.T.: -0.020 min
Response: 2714348
Conc: 20.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.019 min
Response: 2766583
Conc: 21.50 ug/ml



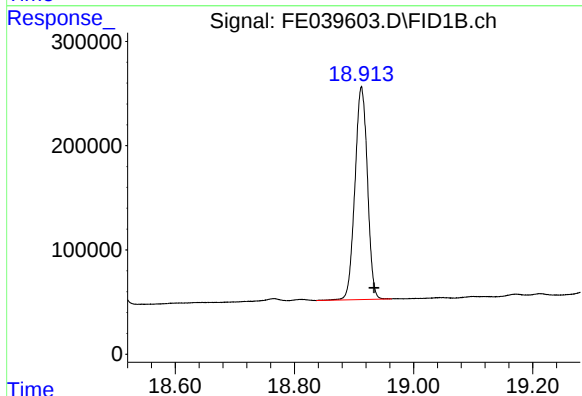
#17 n-Tricontane (C30)

R.T.: 18.079 min
Delta R.T.: -0.022 min
Response: 2911798
Conc: 22.62 ug/ml

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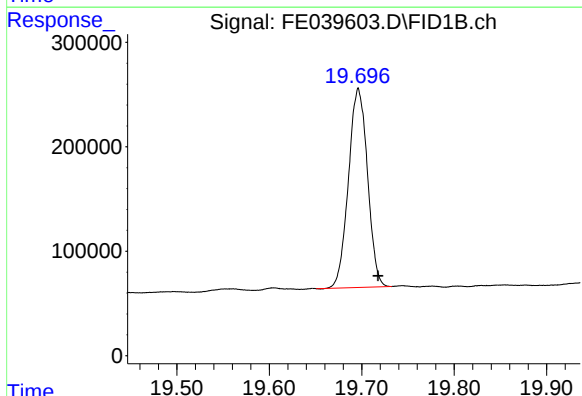
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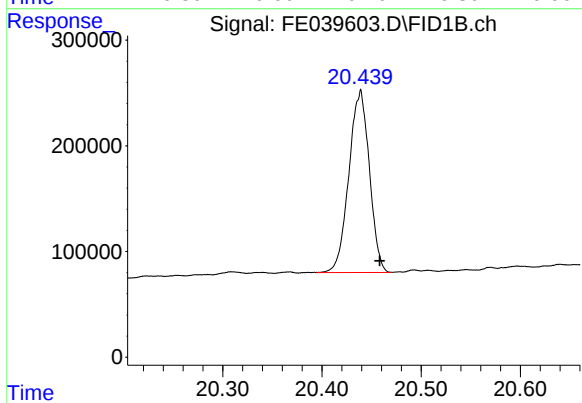
#18 n-Dotriacontane (C32)

R.T.: 18.912 min
Delta R.T.: -0.022 min
Response: 2970884
Conc: 22.94 ug/ml



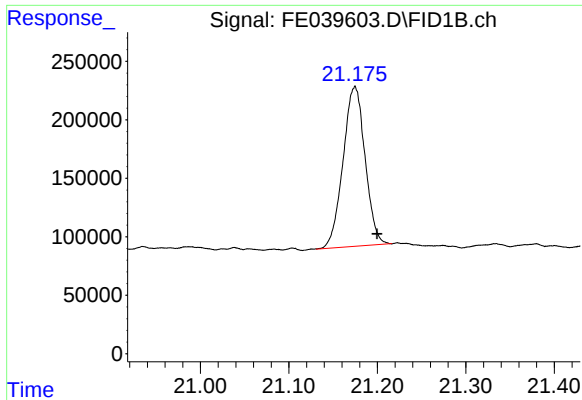
#19 n-Tetratriacontane (C34)

R.T.: 19.696 min
Delta R.T.: -0.021 min
Response: 2731401
Conc: 21.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.439 min
Delta R.T.: -0.019 min
Response: 2473904
Conc: 20.46 ug/ml m



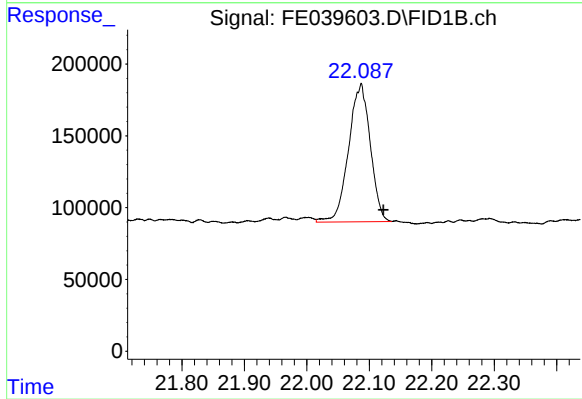
#21 n-Octatriacontane (C38)

R.T.: 21.175 min
Delta R.T.: -0.025 min
Response: 2357367
Conc: 19.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.035 min
Response: 2315688
Conc: 18.44 ug/ml