

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010323AL\
 Data File : FE039622.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jan 2023 21:38
 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 04 03:20:04 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)	11.926	3018217	20.225 ug/ml
Spiked Amount 50.000		Recovery =	40.45%
12) S 1-chlorooctadecane (S...	13.363	2344437	20.369 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
Target Compounds			
1) T n-Nonane (C9)	3.319	2403620	18.595 ug/ml
2) T n-Decane (C10)	4.569	2414409	18.948 ug/ml
3) T A~Naphthalene (C11.7)	6.273	2759506	19.089 ug/ml
4) T n-Dodecane (C12)	6.733	2453013	18.895 ug/ml
5) T A~2-methylnaphthalene...	7.367	2612863	19.293 ug/ml
6) T n-Tetradecane (C14)	8.559	2523659	19.045 ug/ml
7) T n-Hexadecane (C16)	10.166	2669529	19.404 ug/ml
8) T n-Octadecane (C18)	11.609	2768331	19.765 ug/ml
10) T n-Eicosane (C20)	12.918	2747620	20.128 ug/ml
11) T n-Heneicosane (C21)	13.531	2757039	20.214 ug/mlm
13) T n-Docosane (C22)	14.117	2772985	20.499 ug/ml
14) T n-Tetracosane (C24)	15.219	2832488	21.100 ug/ml
15) T n-Hexacosane (C26)	16.241	2765097	21.236 ug/ml
16) T n-Octacosane (C28)	17.190	2826981	21.965 ug/ml
17) T n-Tricontane (C30)	18.078	3008869	23.370 ug/mlm
18) T n-Dotriacontane (C32)	18.910	3075661	23.750 ug/ml
19) T n-Tetratriacontane (C34)	19.694	2843290	22.537 ug/ml
20) T n-Hexatriacontane (C36)	20.435	2585514	21.383 ug/ml
21) T n-Octatriacontane (C38)	21.170	2485948	20.130 ug/ml
22) T n-Tetracontane (C40)	22.080	2471992	19.684 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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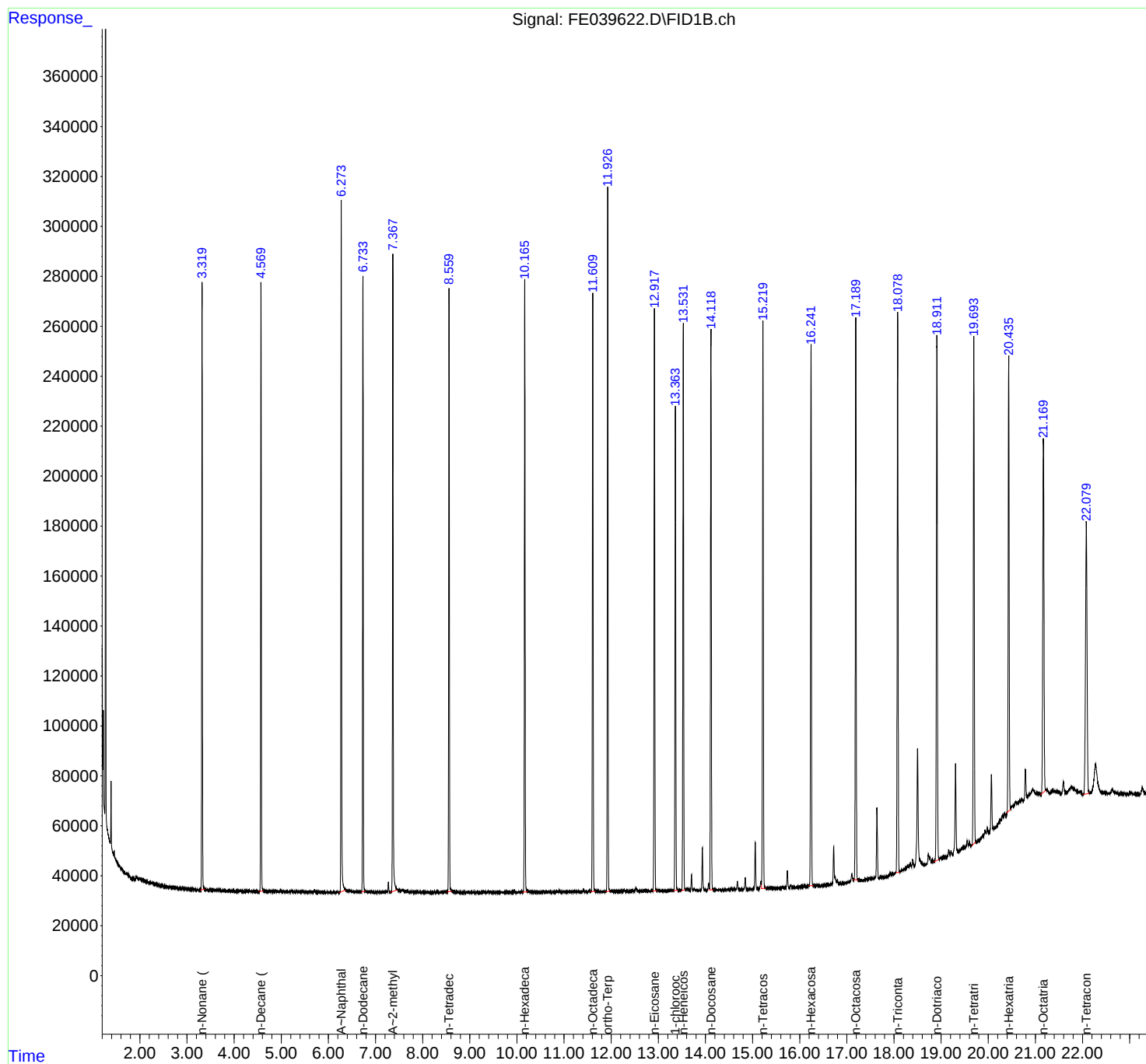
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20 PPM ALIPHATIC HC STD

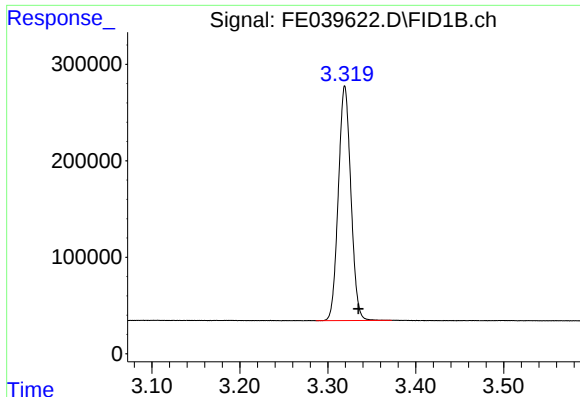
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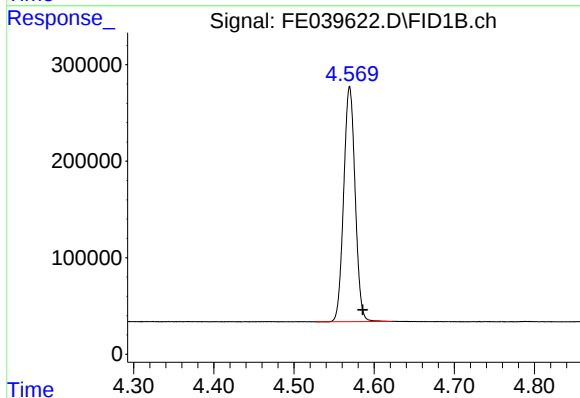
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.016 min
Response: 2403620
Conc: 18.60 ug/ml

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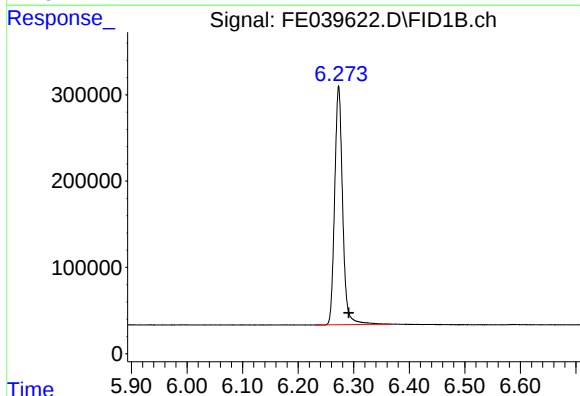
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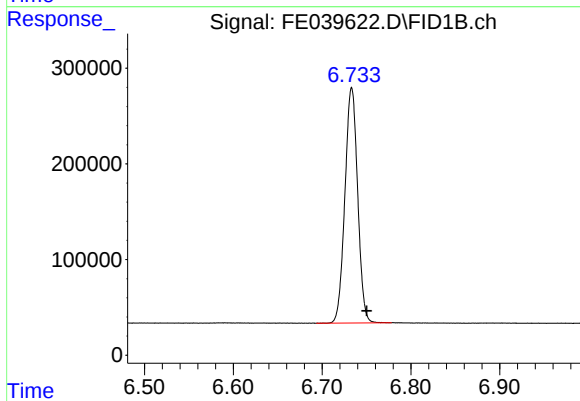
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: -0.016 min
Response: 2414409
Conc: 18.95 ug/ml



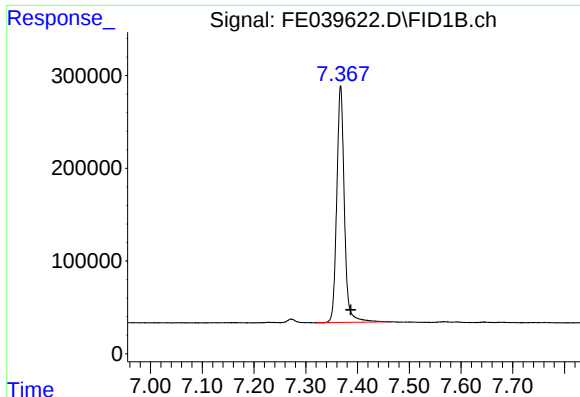
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: -0.018 min
Response: 2759506
Conc: 19.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.017 min
Response: 2453013
Conc: 18.89 ug/ml



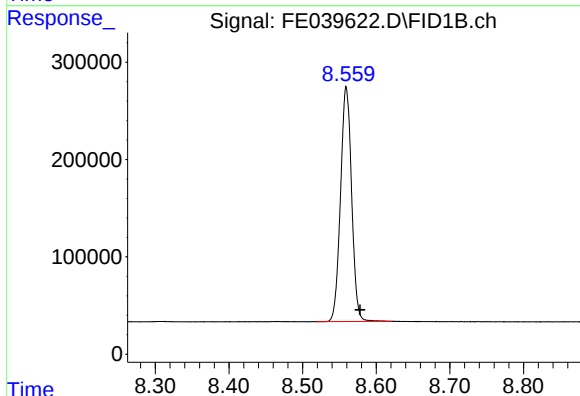
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: -0.020 min
Response: 2612863
Conc: 19.29 ug/ml

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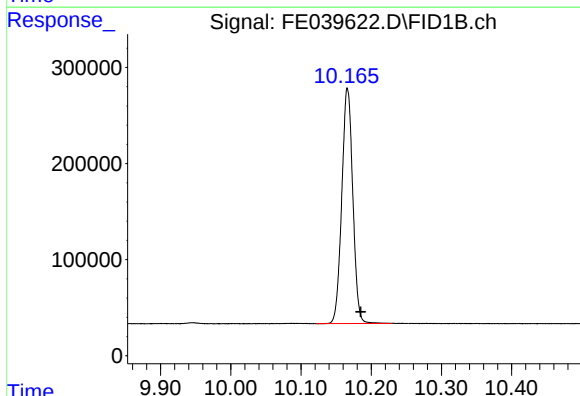
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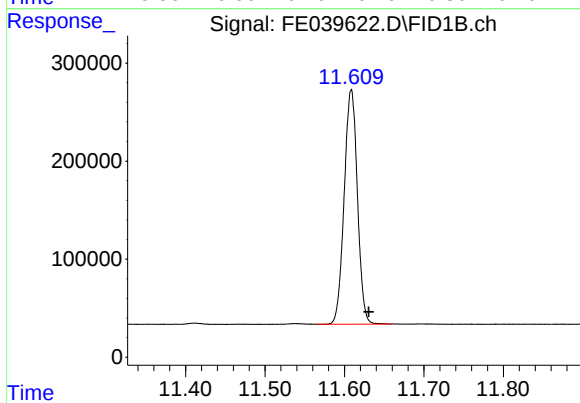
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.019 min
Response: 2523659
Conc: 19.04 ug/ml



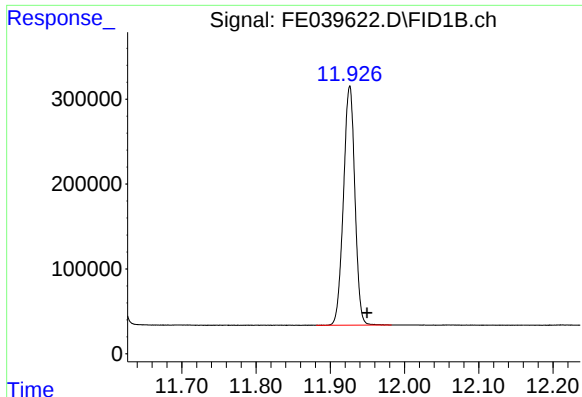
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: -0.019 min
Response: 2669529
Conc: 19.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.022 min
Response: 2768331
Conc: 19.77 ug/ml



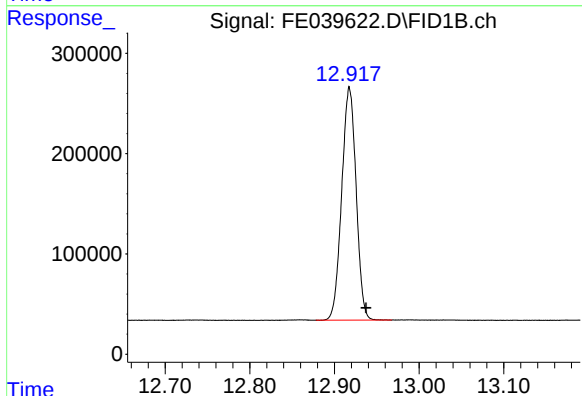
#9 ortho-Terphenyl (SURR)

R.T.: 11.926 min
Delta R.T.: -0.024 min
Response: 3018217
Conc: 20.22 ug/ml

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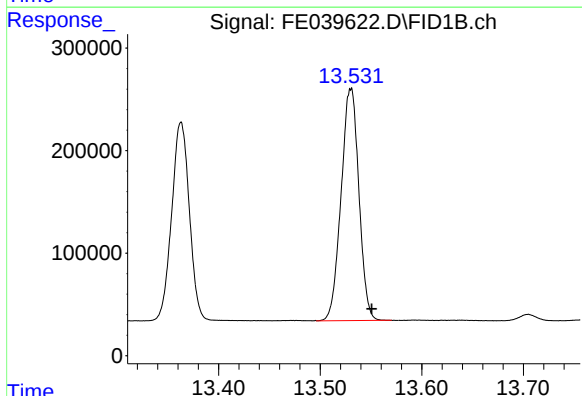
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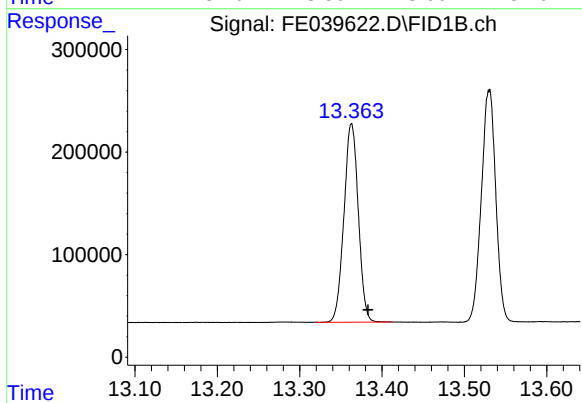
#10 n-Eicosane (C20)

R.T.: 12.918 min
Delta R.T.: -0.020 min
Response: 2747620
Conc: 20.13 ug/ml



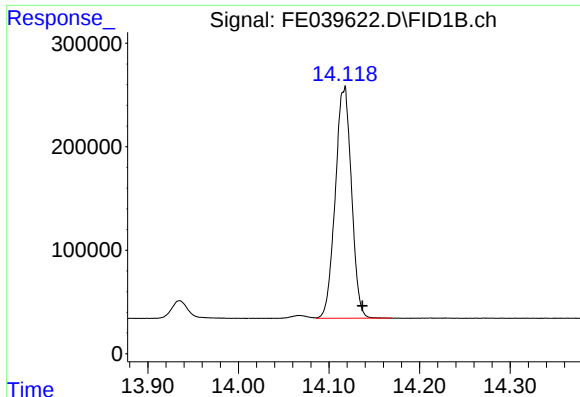
#11 n-Heneicosane (C21)

R.T.: 13.531 min
Delta R.T.: -0.020 min
Response: 2757039
Conc: 20.21 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.363 min
Delta R.T.: -0.020 min
Response: 2344437
Conc: 20.37 ug/ml



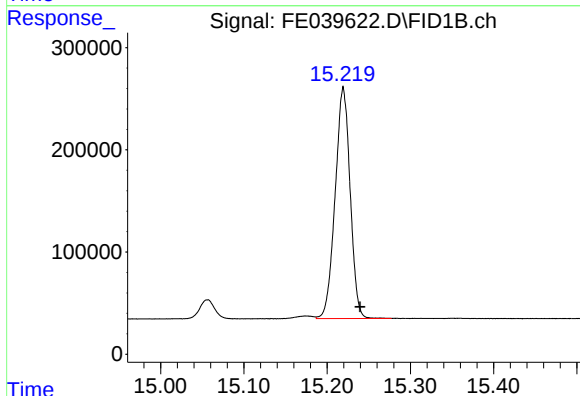
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.020 min
Response: 2772985
Conc: 20.50 ug/ml

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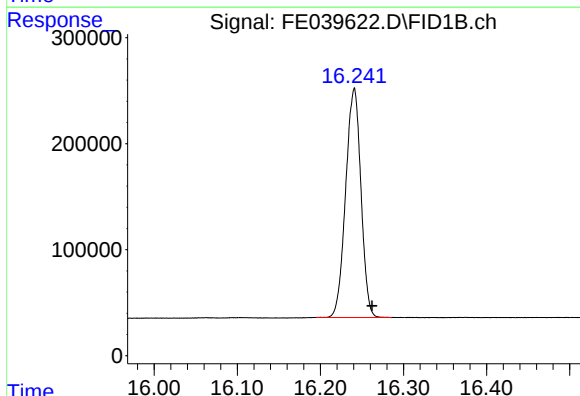
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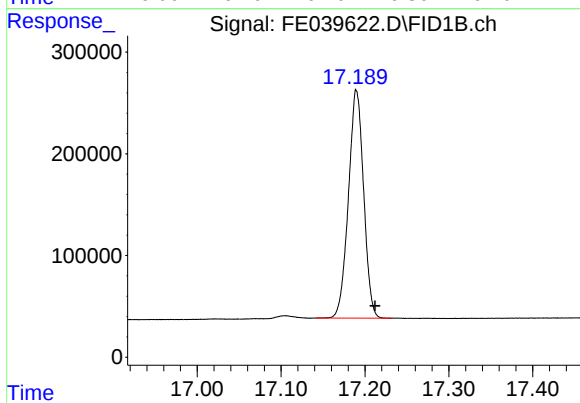
#14 n-Tetracosane (C24)

R.T.: 15.219 min
Delta R.T.: -0.020 min
Response: 2832488
Conc: 21.10 ug/ml



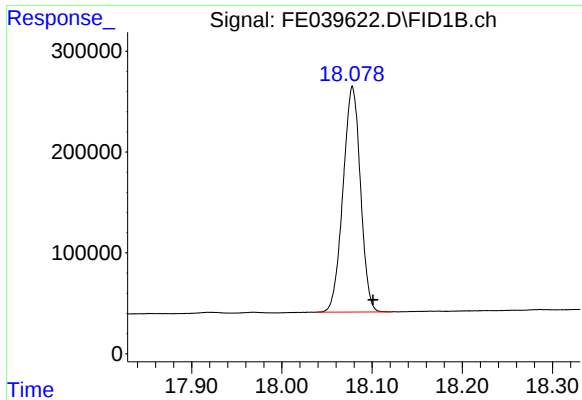
#15 n-Hexacosane (C26)

R.T.: 16.241 min
Delta R.T.: -0.021 min
Response: 2765097
Conc: 21.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.190 min
Delta R.T.: -0.022 min
Response: 2826981
Conc: 21.97 ug/ml



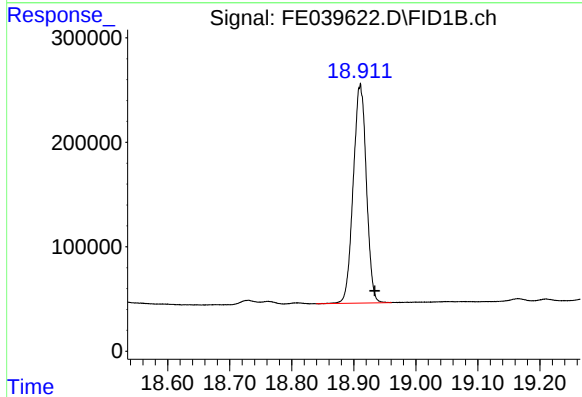
#17 n-Tricontane (C30)

R.T.: 18.078 min
Delta R.T.: -0.023 min
Response: 3008869
Conc: 23.37 ug/ml

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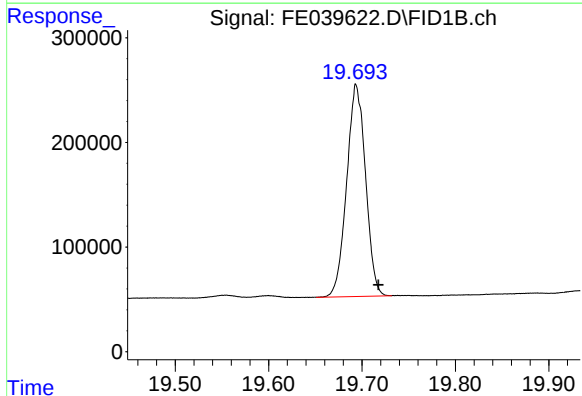
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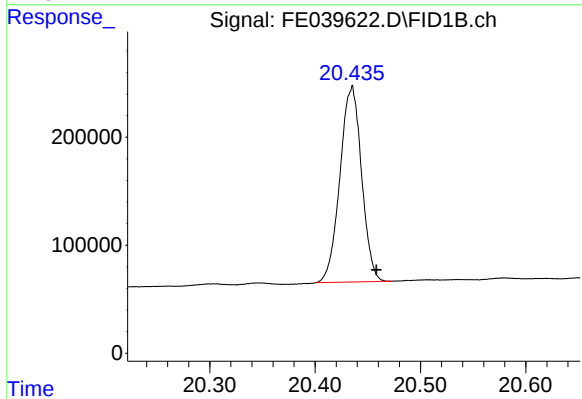
#18 n-Dotriacontane (C32)

R.T.: 18.910 min
Delta R.T.: -0.024 min
Response: 3075661
Conc: 23.75 ug/ml



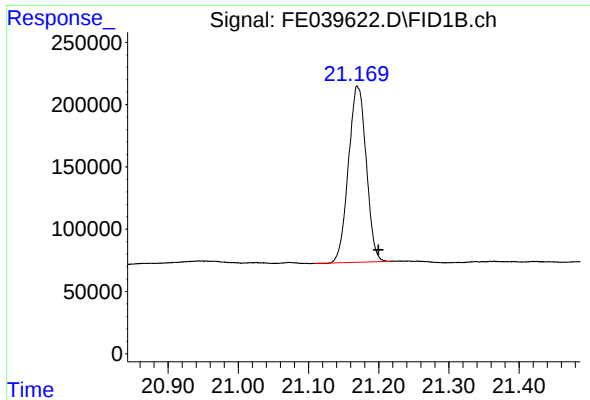
#19 n-Tetratriacontane (C34)

R.T.: 19.694 min
Delta R.T.: -0.024 min
Response: 2843290
Conc: 22.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.435 min
Delta R.T.: -0.023 min
Response: 2585514
Conc: 21.38 ug/ml



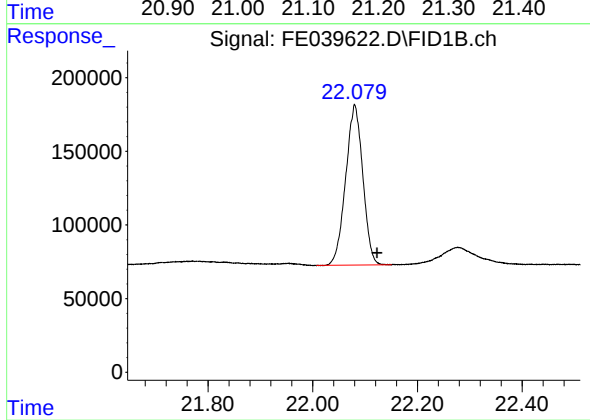
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: -0.030 min
Response: 2485948
Conc: 20.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.080 min
Delta R.T.: -0.042 min
Response: 2471992
Conc: 19.68 ug/ml