

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120222AL\
 Data File : FE039080.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2022 09:17
 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 12/05/2022
 Supervised By :Ankita Jodhani 12/05/2022

Integration File: autoint1.e
 Quant Time: Dec 02 15:35:35 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)	11.948	2754978	17.611 ug/ml
Spiked Amount 50.000		Recovery =	35.22%
12) S 1-chlorooctadecane (S...	13.383	2134904	17.682 ug/ml
Spiked Amount 50.000		Recovery =	35.36%
Target Compounds			
1) T n-Nonane (C9)	3.341	2304844	16.260 ug/ml
2) T n-Decane (C10)	4.592	2289490	16.426 ug/ml
3) T A~Naphthalene (C11.7)	6.296	2682161	16.863 ug/ml
4) T n-Dodecane (C12)	6.755	2323988	16.487 ug/ml
5) T A~2-methylnaphthalene...	7.390	2529382	16.900 ug/ml
6) T n-Tetradecane (C14)	8.581	2390661	16.739 ug/ml
7) T n-Hexadecane (C16)	10.187	2496866	17.077 ug/ml
8) T n-Octadecane (C18)	11.629	2564801	17.430 ug/ml
10) T n-Eicosane (C20)	12.938	2539105	17.886 ug/ml
11) T n-Heneicosane (C21)	13.550	2521670	17.746 ug/ml
13) T n-Docosane (C22)	14.135	2569542	18.382 ug/ml
14) T n-Tetracosane (C24)	15.238	2644697	19.150 ug/ml
15) T n-Hexacosane (C26)	16.259	2660788	19.810 ug/ml
16) T n-Octacosane (C28)	17.208	2712881	20.429 ug/ml
17) T n-Tricontane (C30)	18.095	2762359	20.917 ug/ml
18) T n-Dotriacontane (C32)	18.929	2774899	20.807 ug/ml
19) T n-Tetratriacontane (C34)	19.710	2620678	19.805 ug/mlm
20) T n-Hexatriacontane (C36)	20.450	2441761	19.006 ug/mlm
21) T n-Octatriacontane (C38)	21.192	2536429	19.357 ug/ml
22) T n-Tetracontane (C40)	22.112	2623895	19.270 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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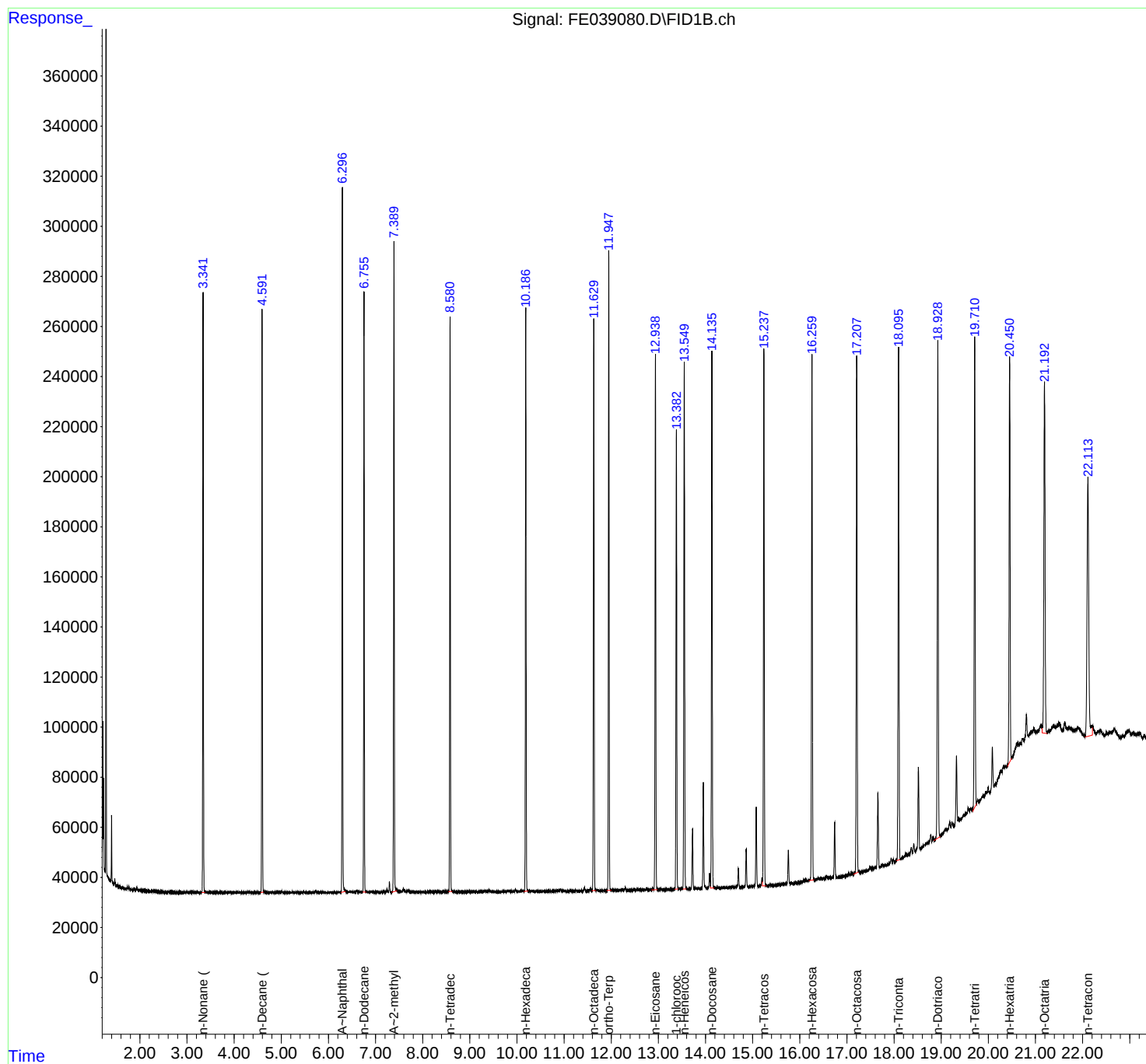
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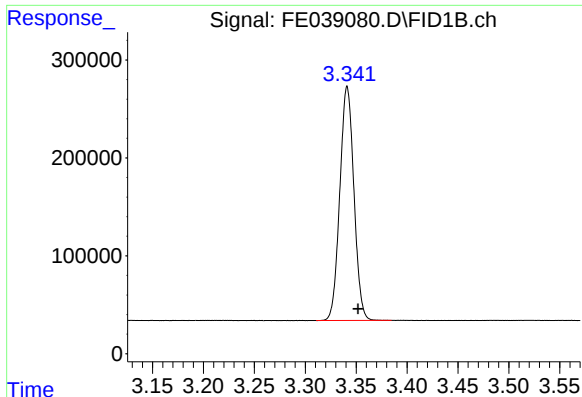
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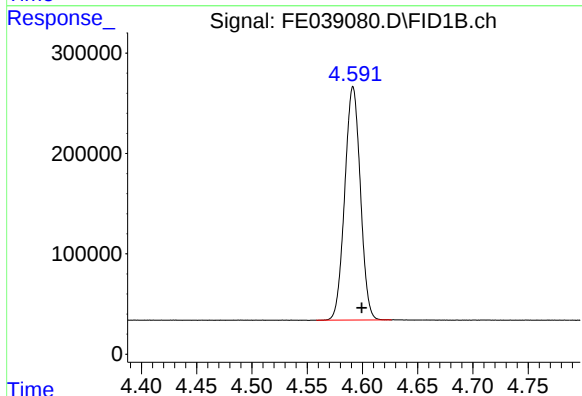
#1 n-Nonane (C9)

R.T.: 3.341 min
Delta R.T.: -0.011 min
Response: 2304844
Conc: 16.26 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

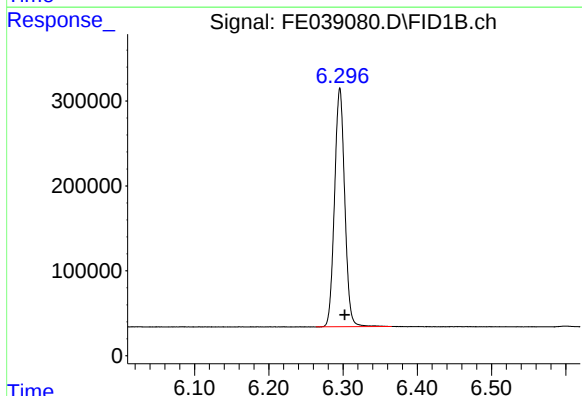
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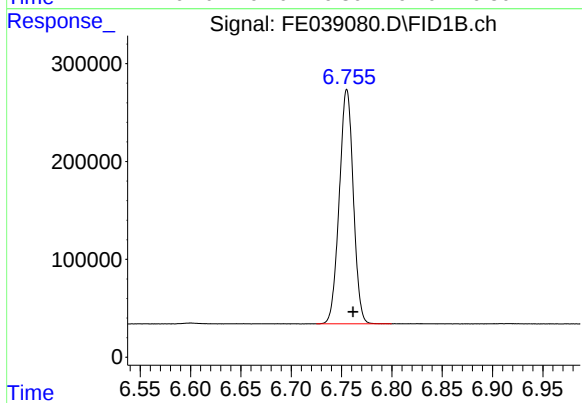
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.008 min
Response: 2289490
Conc: 16.43 ug/ml



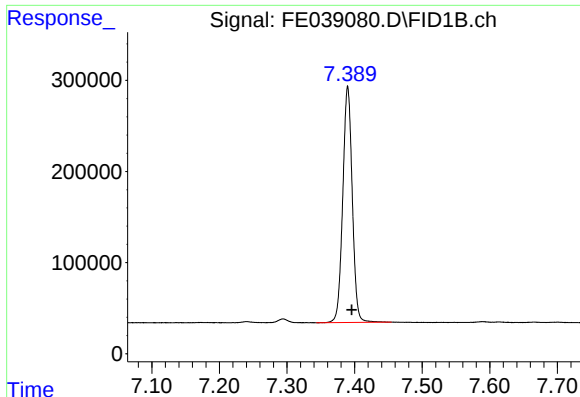
#3 A~Naphthalene (C11.7)

R.T.: 6.296 min
Delta R.T.: -0.007 min
Response: 2682161
Conc: 16.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.755 min
Delta R.T.: -0.006 min
Response: 2323988
Conc: 16.49 ug/ml



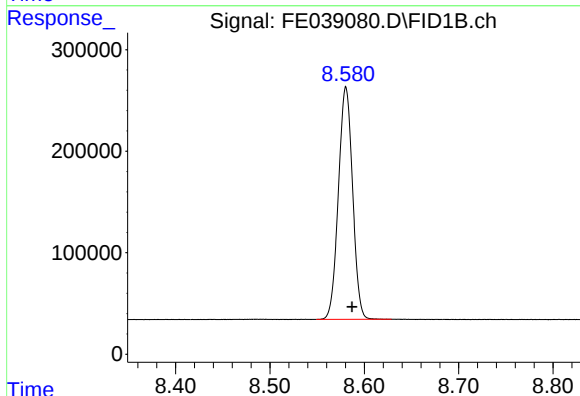
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.390 min
Delta R.T.: -0.006 min
Response: 2529382
Conc: 16.90 ug/ml

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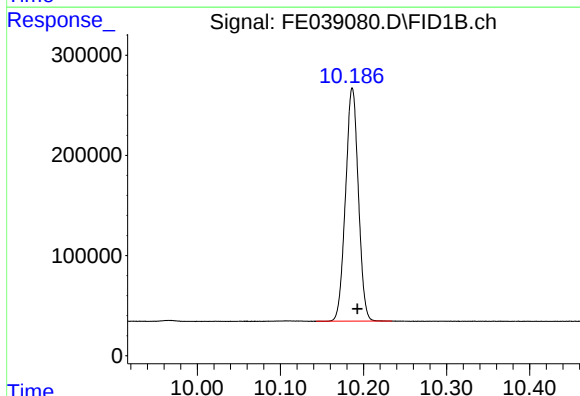
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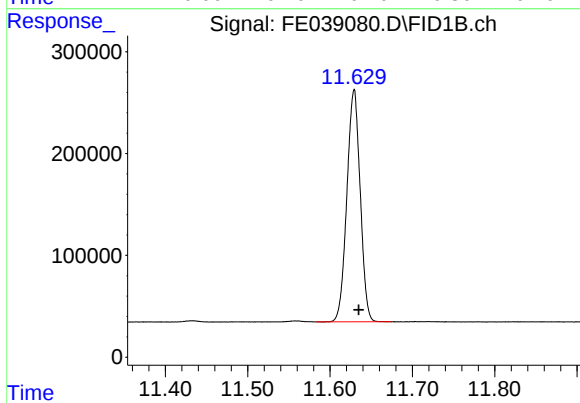
#6 n-Tetradecane (C14)

R.T.: 8.581 min
Delta R.T.: -0.006 min
Response: 2390661
Conc: 16.74 ug/ml



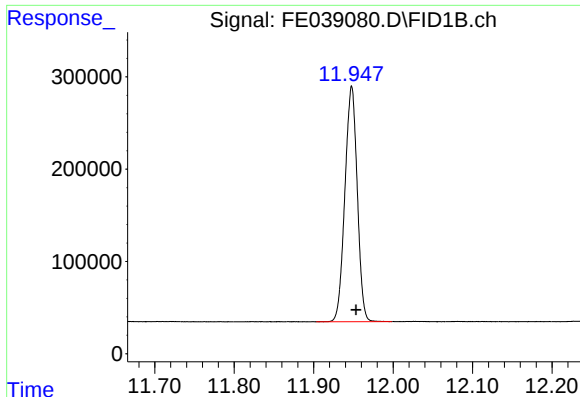
#7 n-Hexadecane (C16)

R.T.: 10.187 min
Delta R.T.: -0.006 min
Response: 2496866
Conc: 17.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.629 min
Delta R.T.: -0.006 min
Response: 2564801
Conc: 17.43 ug/ml



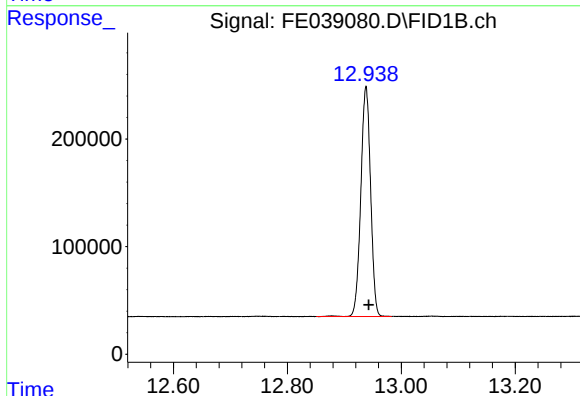
#9 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: -0.005 min
Response: 2754978
Conc: 17.61 ug/ml

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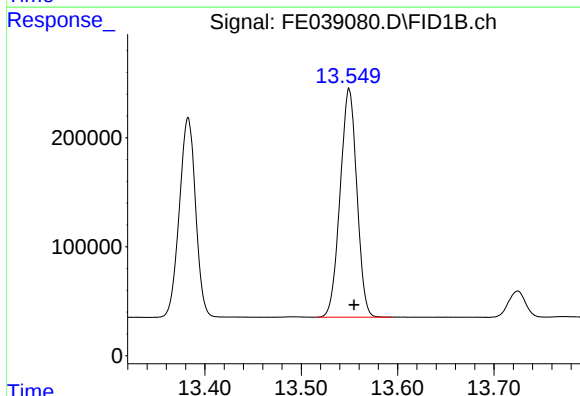
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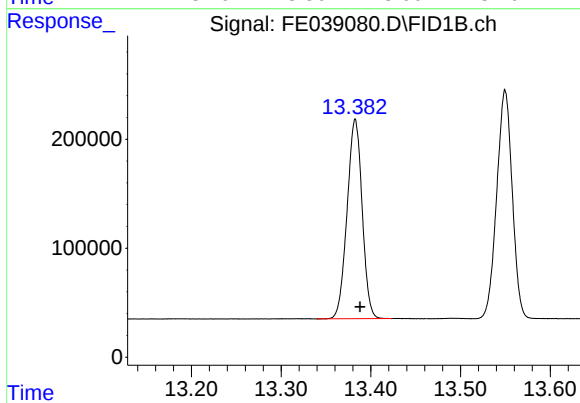
#10 n-Eicosane (C20)

R.T.: 12.938 min
Delta R.T.: -0.005 min
Response: 2539105
Conc: 17.89 ug/ml



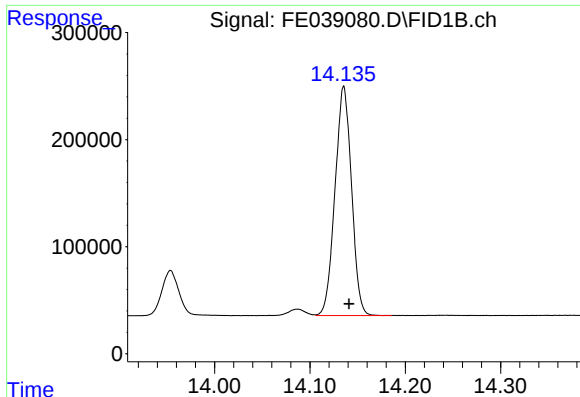
#11 n-Heneicosane (C21)

R.T.: 13.550 min
Delta R.T.: -0.005 min
Response: 2521670
Conc: 17.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.383 min
Delta R.T.: -0.005 min
Response: 2134904
Conc: 17.68 ug/ml



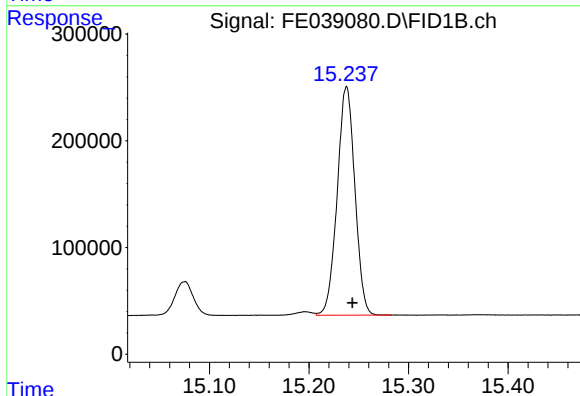
#13 n-Docosane (C22)

R.T.: 14.135 min
Delta R.T.: -0.005 min
Response: 2569542
Conc: 18.38 ug/ml

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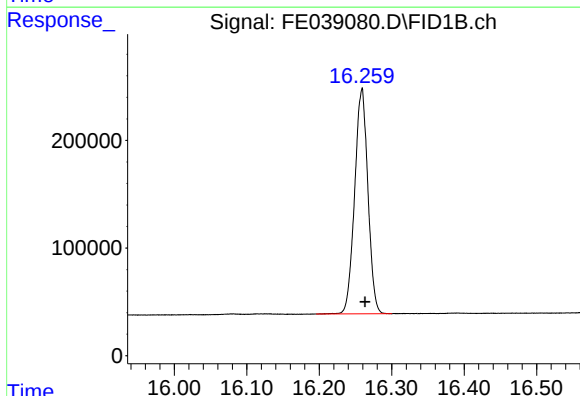
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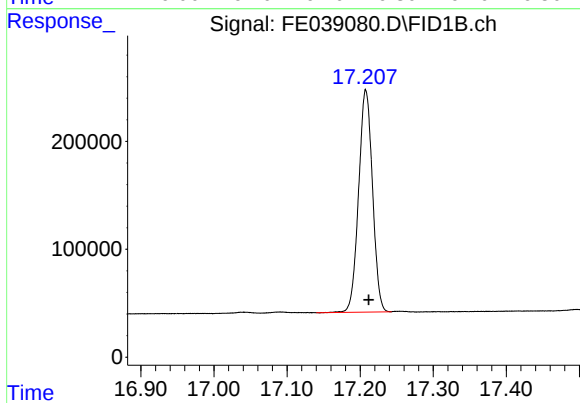
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: -0.006 min
Response: 2644697
Conc: 19.15 ug/ml



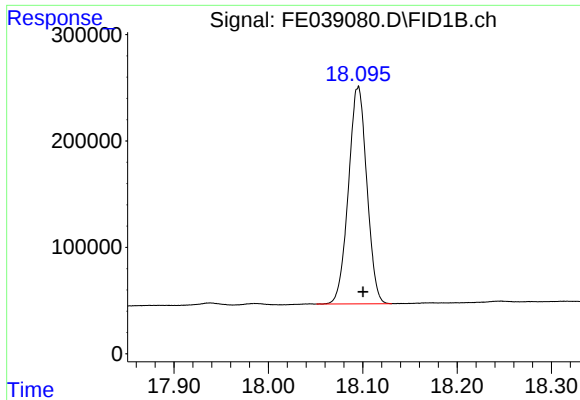
#15 n-Hexacosane (C26)

R.T.: 16.259 min
Delta R.T.: -0.004 min
Response: 2660788
Conc: 19.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.208 min
Delta R.T.: -0.004 min
Response: 2712881
Conc: 20.43 ug/ml



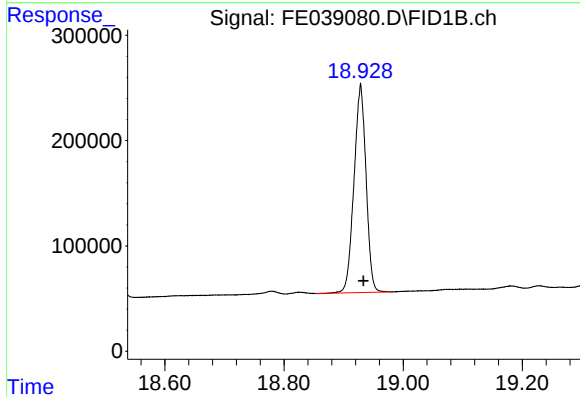
#17 n-Tricontane (C30)

R.T.: 18.095 min
Delta R.T.: -0.005 min
Response: 2762359
Conc: 20.92 ug/ml

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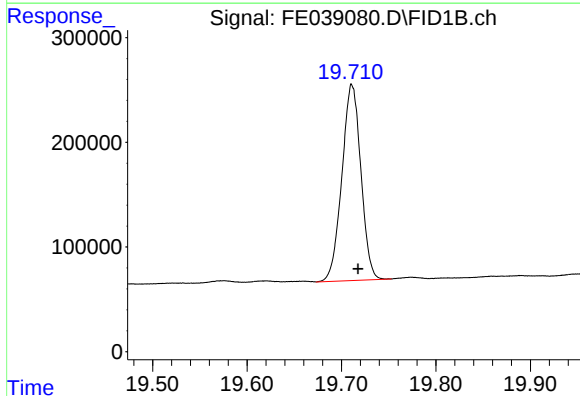
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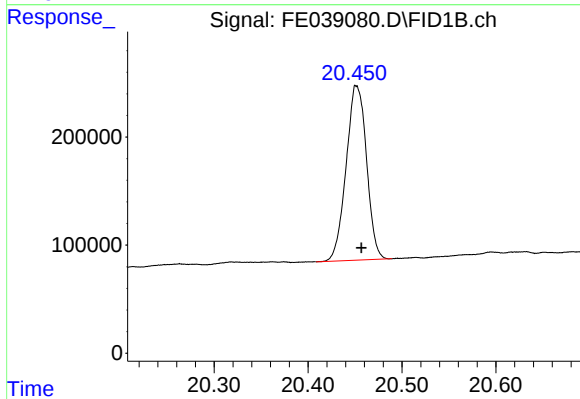
#18 n-Dotriacontane (C32)

R.T.: 18.929 min
Delta R.T.: -0.005 min
Response: 2774899
Conc: 20.81 ug/ml



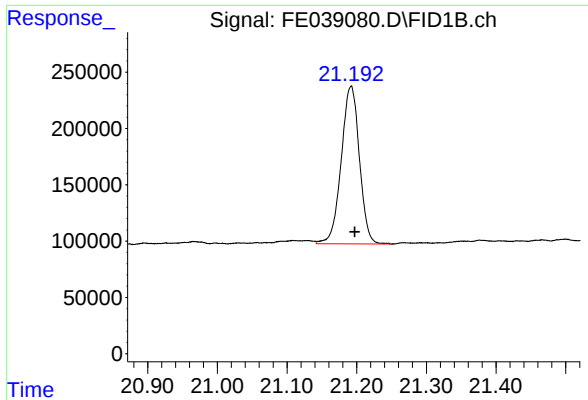
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.008 min
Response: 2620678
Conc: 19.81 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.007 min
Response: 2441761
Conc: 19.01 ug/ml m



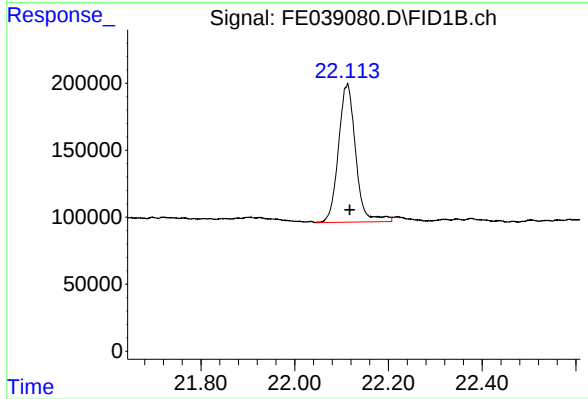
#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: -0.005 min
Response: 2536429
Conc: 19.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.112 min
Delta R.T.: -0.006 min
Response: 2623895
Conc: 19.27 ug/ml