

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120524AL\
 Data File : FE051559.D
 Signal(s) : FID1B.ch
 Acq On : 05 Dec 2024 21:04
 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 12/09/2024
 Supervised By :Ankita Jodhani 12/09/2024

Integration File: autoint1.e
 Quant Time: Dec 06 03:23:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 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)	11.827	2956629	19.565 ug/ml
Spiked Amount 50.000		Recovery =	39.13%
12) S 1-chlorooctadecane (S...	13.260	2254495	20.174 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
Target Compounds			
1) T n-Nonane (C9)	3.219	2732026	19.494 ug/ml
2) T n-Decane (C10)	4.466	2771637	19.545 ug/ml
3) T A~Naphthalene (C11.7)	6.180	2593564	19.619 ug/ml
4) T n-Dodecane (C12)	6.633	2804357	19.701 ug/ml
5) T A~2-methylnaphthalene...	7.277	2419006	20.164 ug/ml
6) T n-Tetradecane (C14)	8.459	2764059	19.828 ug/ml
7) T n-Hexadecane (C16)	10.065	2813669	19.803 ug/ml
8) T n-Octadecane (C18)	11.506	2811516	19.564 ug/ml
10) T n-Eicosane (C20)	12.814	2695347	19.526 ug/ml
11) T n-Heneicosane (C21)	13.424	2636055	19.447 ug/ml
13) T n-Docosane (C22)	14.010	2615143	19.530 ug/ml
14) T n-Tetracosane (C24)	15.112	2581037	19.533 ug/ml
15) T n-Hexacosane (C26)	16.131	2546290	19.636 ug/ml
16) T n-Octacosane (C28)	17.079	2539572	19.919 ug/ml
17) T n-Tricontane (C30)	17.966	2611769	20.171 ug/mlm
18) T n-Dotriacontane (C32)	18.797	2527517	20.190 ug/ml
19) T n-Tetratriacontane (C34)	19.581	2267445	20.077 ug/ml
20) T n-Hexatriacontane (C36)	20.320	2122195	22.036 ug/ml
21) T n-Octatriacontane (C38)	21.039	1928852	21.186 ug/ml
22) T n-Tetracontane (C40)	21.914	2483867	28.343 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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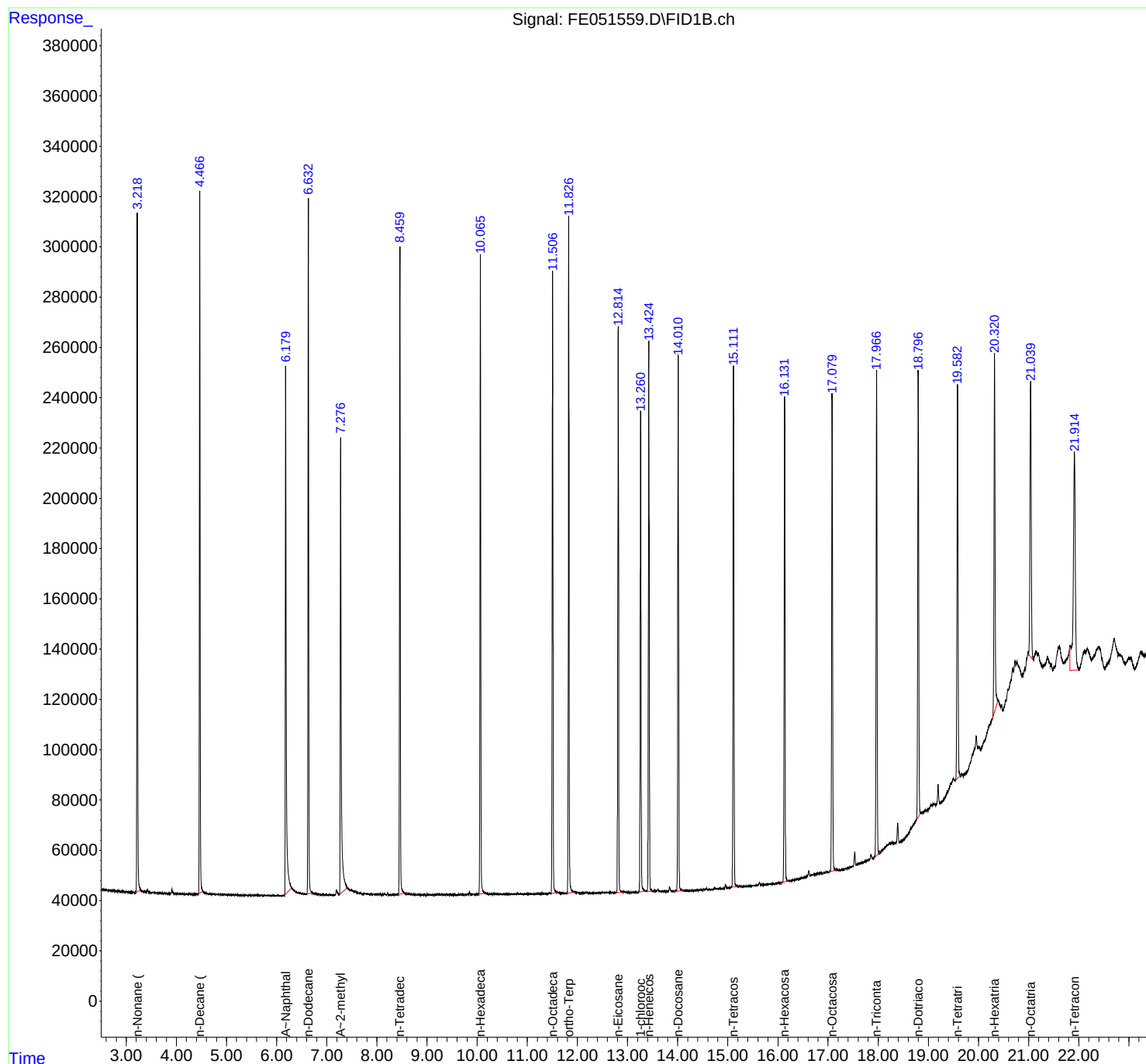
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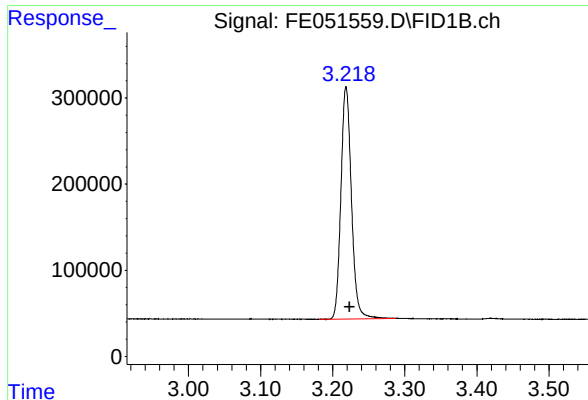
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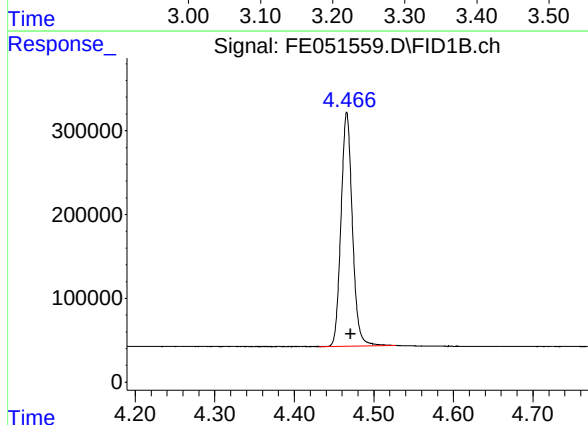
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.005 min
Response: 2732026
Conc: 19.49 ug/ml

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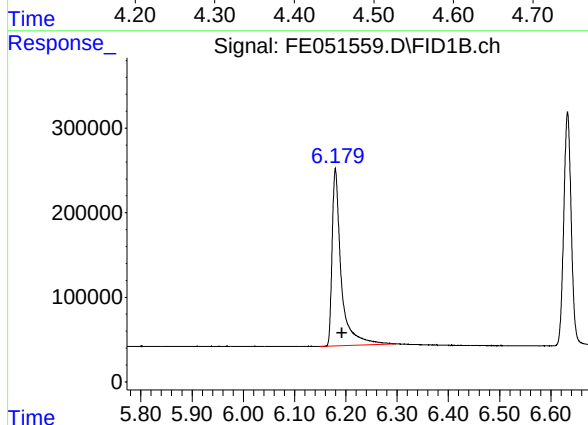
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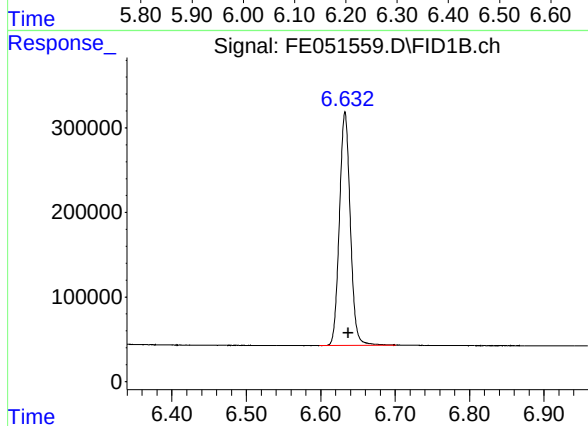
#2 n-Decane (C10)

R.T.: 4.466 min
Delta R.T.: -0.005 min
Response: 2771637
Conc: 19.54 ug/ml



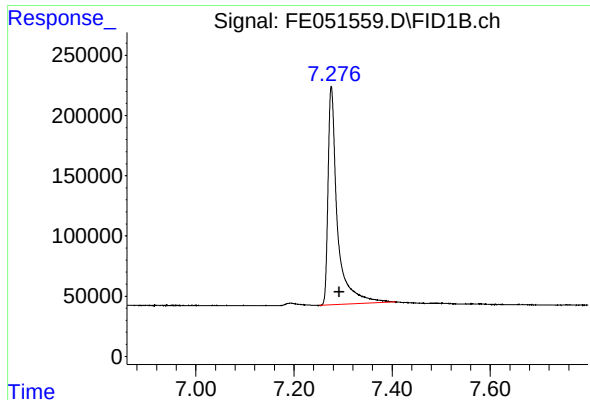
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.013 min
Response: 2593564
Conc: 19.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.633 min
Delta R.T.: -0.004 min
Response: 2804357
Conc: 19.70 ug/ml



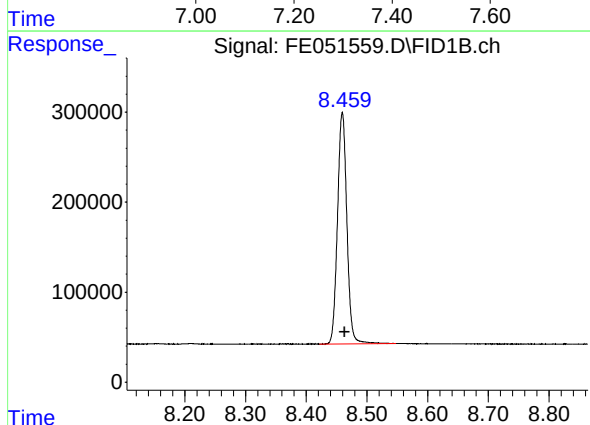
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.016 min
Response: 2419006
Conc: 20.16 ug/ml

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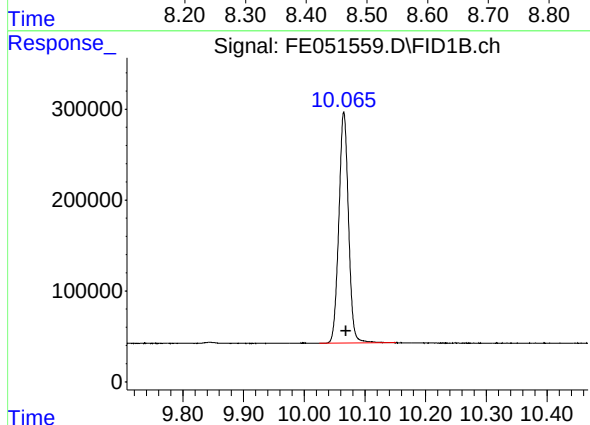
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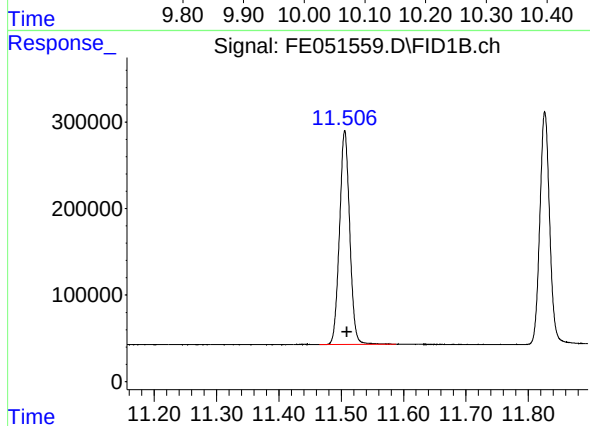
#6 n-Tetradecane (C14)

R.T.: 8.459 min
Delta R.T.: -0.004 min
Response: 2764059
Conc: 19.83 ug/ml



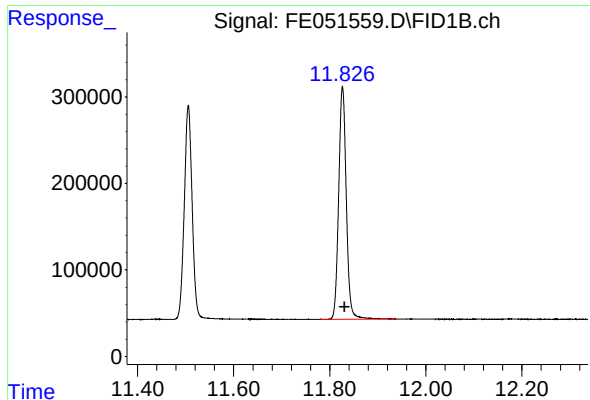
#7 n-Hexadecane (C16)

R.T.: 10.065 min
Delta R.T.: -0.004 min
Response: 2813669
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.506 min
Delta R.T.: -0.004 min
Response: 2811516
Conc: 19.56 ug/ml



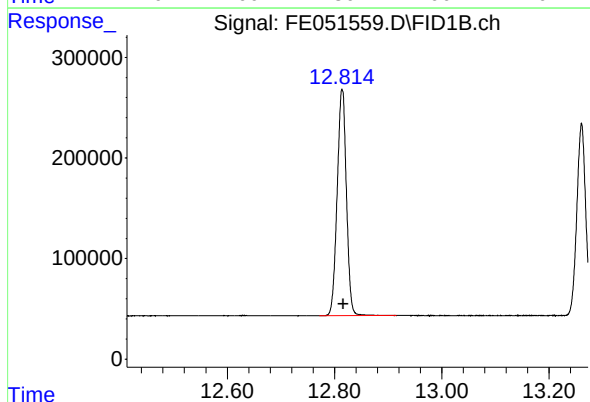
#9 ortho-Terphenyl (SURR)

R.T.: 11.827 min
Delta R.T.: -0.004 min
Response: 2956629
Conc: 19.57 ug/ml

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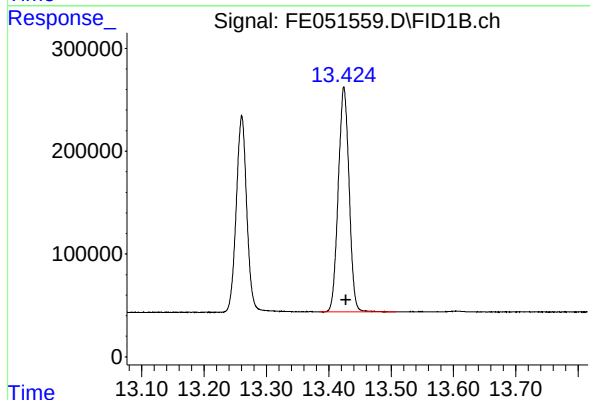
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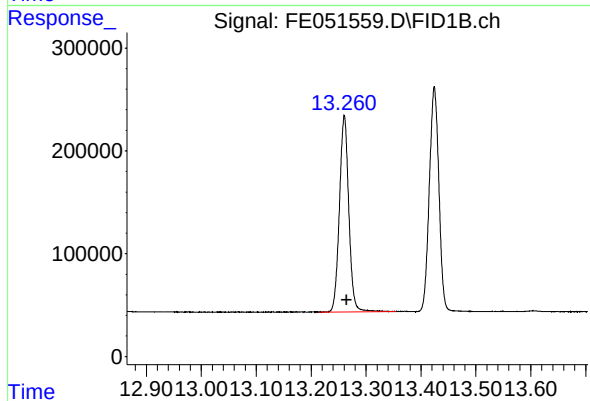
#10 n-Eicosane (C20)

R.T.: 12.814 min
Delta R.T.: -0.003 min
Response: 2695347
Conc: 19.53 ug/ml



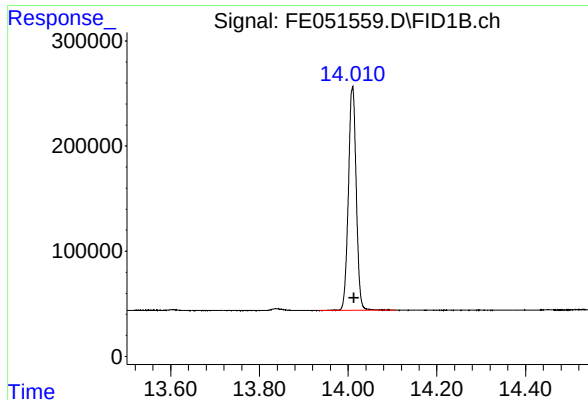
#11 n-Heneicosane (C21)

R.T.: 13.424 min
Delta R.T.: -0.003 min
Response: 2636055
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.260 min
Delta R.T.: -0.004 min
Response: 2254495
Conc: 20.17 ug/ml



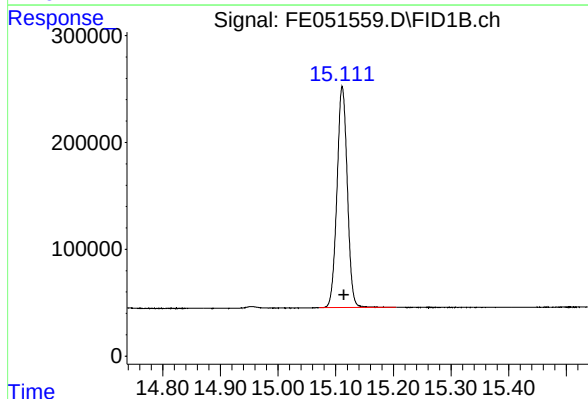
#13 n-Docosane (C22)

R.T.: 14.010 min
Delta R.T.: -0.003 min
Response: 2615143
Conc: 19.53 ug/ml

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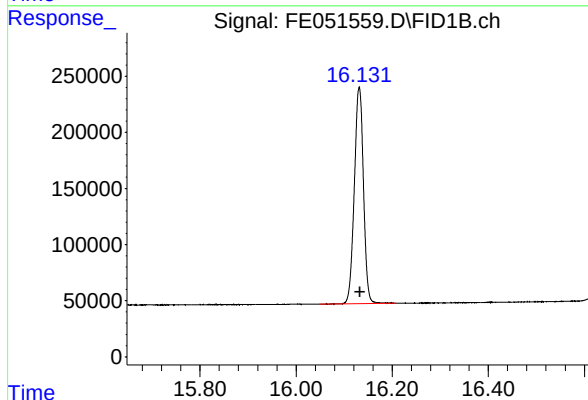
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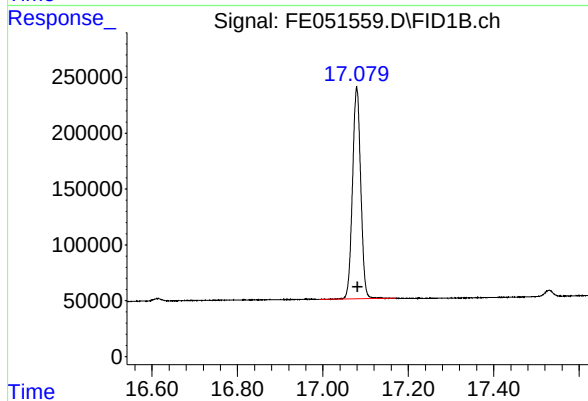
#14 n-Tetracosane (C24)

R.T.: 15.112 min
Delta R.T.: -0.003 min
Response: 2581037
Conc: 19.53 ug/ml



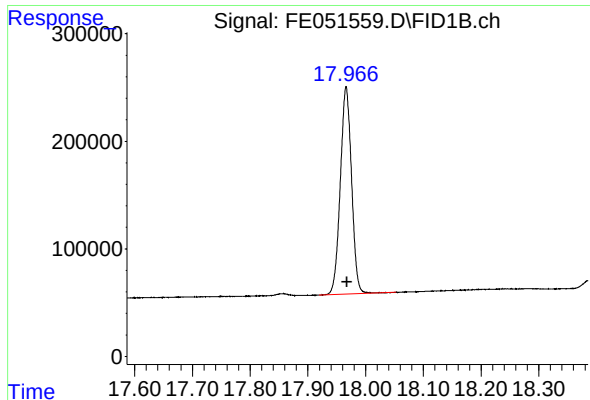
#15 n-Hexacosane (C26)

R.T.: 16.131 min
Delta R.T.: -0.002 min
Response: 2546290
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.079 min
Delta R.T.: -0.003 min
Response: 2539572
Conc: 19.92 ug/ml



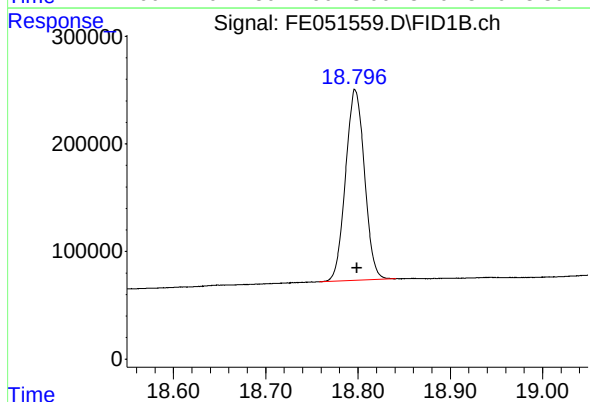
#17 n-Tricontane (C30)

R.T.: 17.966 min
Delta R.T.: -0.002 min
Response: 2611769
Conc: 20.17 ug/ml

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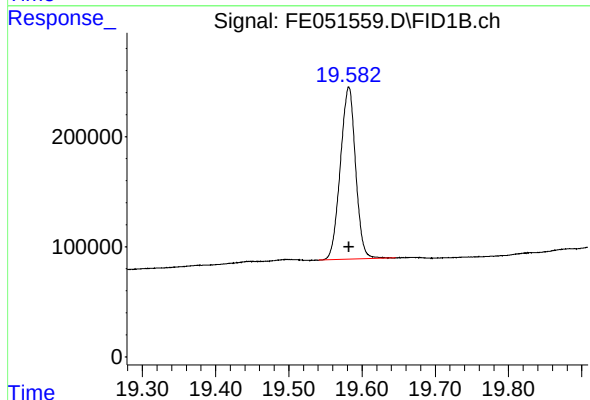
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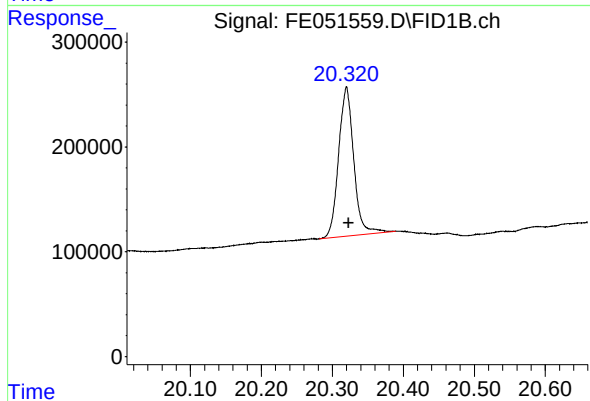
#18 n-Dotriacontane (C32)

R.T.: 18.797 min
Delta R.T.: -0.001 min
Response: 2527517
Conc: 20.19 ug/ml



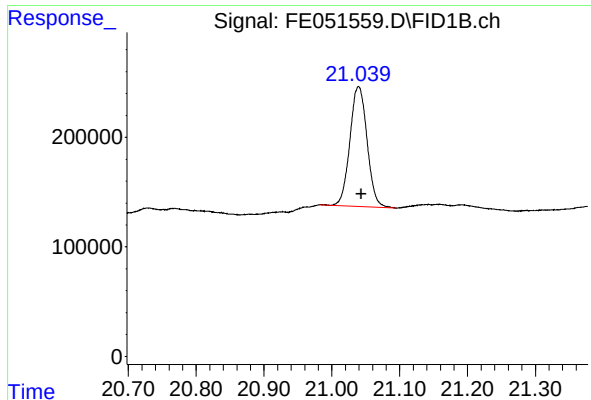
#19 n-Tetratriacontane (C34)

R.T.: 19.581 min
Delta R.T.: 0.000 min
Response: 2267445
Conc: 20.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.320 min
Delta R.T.: -0.003 min
Response: 2122195
Conc: 22.04 ug/ml



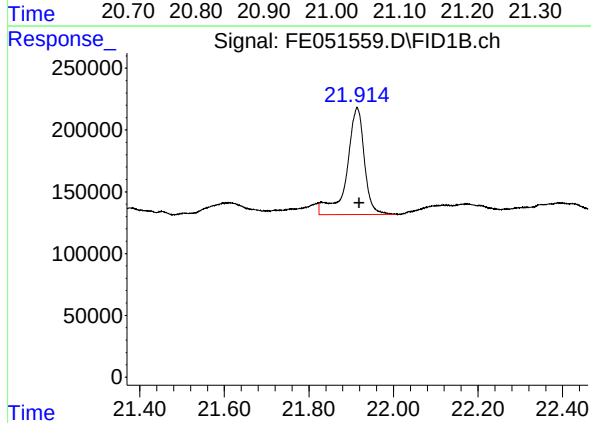
#21 n-Octatriacontane (C38)

R.T.: 21.039 min
Delta R.T.: -0.004 min
Response: 1928852
Conc: 21.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.914 min
Delta R.T.: -0.006 min
Response: 2483867
Conc: 28.34 ug/ml m