

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020524AL\
 Data File : FE046566.D
 Signal(s) : FID1B.ch
 Acq On : 05 Feb 2024 09:58
 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 :Ankita Jodhani 02/06/2024
 Supervised By :Sohil Jodhani 02/06/2024

Integration File: autoint1.e
 Quant Time: Feb 05 11:23:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 25 14:56:03 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)	11.825	3306885	17.884 ug/ml
Spiked Amount 50.000		Recovery =	35.77%
12) S 1-chlorooctadecane (S...	13.268	2493848	17.528 ug/ml
Spiked Amount 50.000		Recovery =	35.06%
Target Compounds			
1) T n-Nonane (C9)	3.207	3130211	19.379 ug/ml
2) T n-Decane (C10)	4.458	3194622	19.493 ug/ml
3) T A~Naphthalene (C11.7)	6.164	3318474	19.406 ug/ml
4) T n-Dodecane (C12)	6.626	3217489	19.451 ug/ml
5) T A~2-methylnaphthalene...	7.261	3158132	19.801 ug/ml
6) T n-Tetradecane (C14)	8.453	3159744	19.279 ug/ml
7) T n-Hexadecane (C16)	10.064	3211004	18.791 ug/ml
8) T n-Octadecane (C18)	11.509	3191345	18.305 ug/ml
10) T n-Eicosane (C20)	12.820	3028401	17.837 ug/ml
11) T n-Heneicosane (C21)	13.434	2950144	17.688 ug/ml
13) T n-Docosane (C22)	14.020	2911257	17.573 ug/ml
14) T n-Tetracosane (C24)	15.126	2843063	17.230 ug/ml
15) T n-Hexacosane (C26)	16.151	2778246	17.213 ug/mlm
16) T n-Octacosane (C28)	17.104	2710142	17.264 ug/ml
17) T n-Tricontane (C30)	17.993	2763287	17.642 ug/ml
18) T n-Dotriacontane (C32)	18.828	2697009	17.842 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2601196	18.340 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2379505	17.263 ug/ml
21) T n-Octatriacontane (C38)	21.087	2881015	22.474 ug/mlm
22) T n-Tetracontane (C40)	21.979	2511826	20.089 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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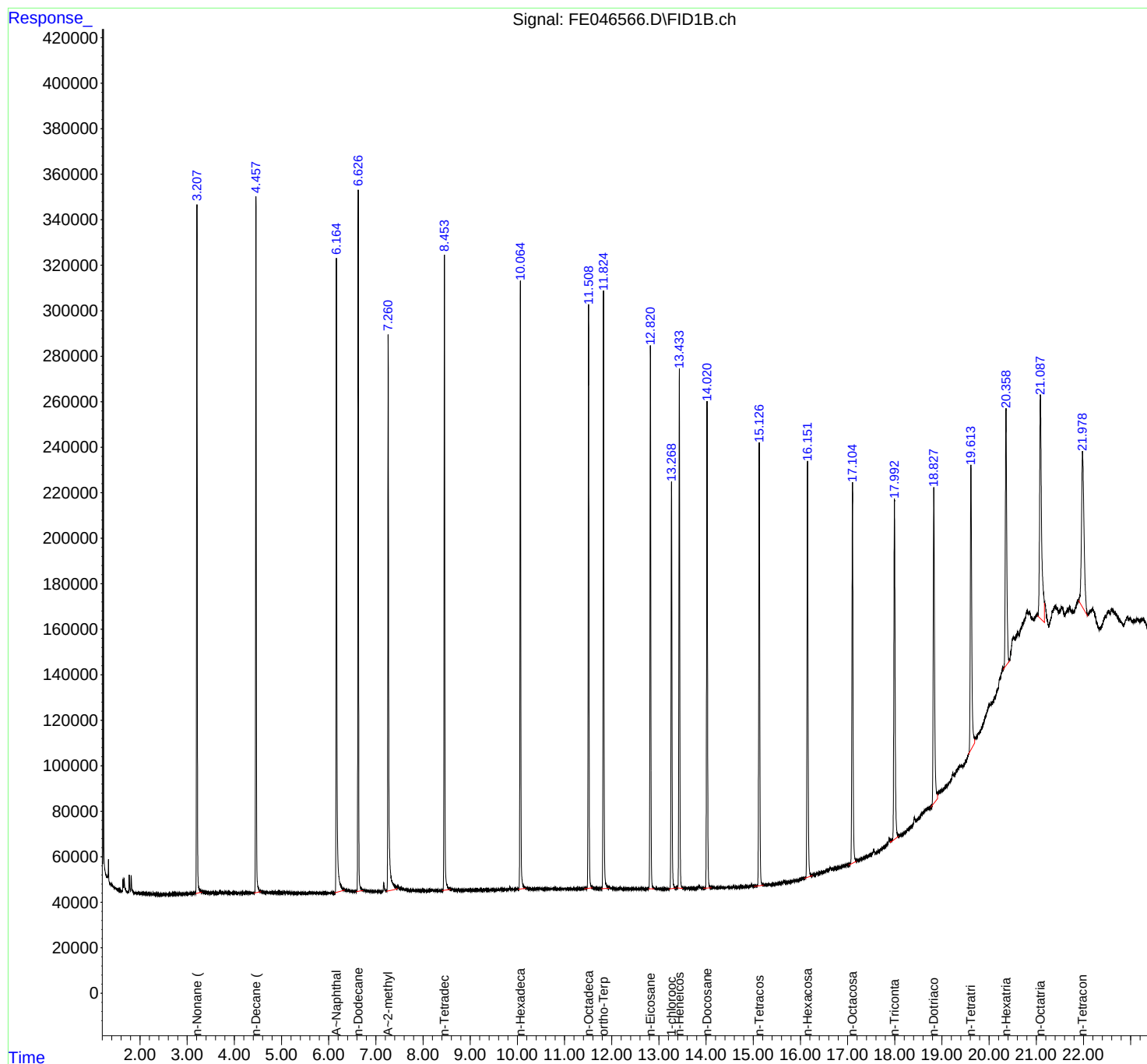
Instrument :
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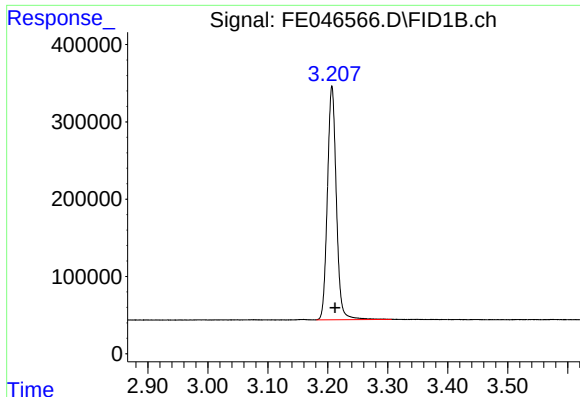
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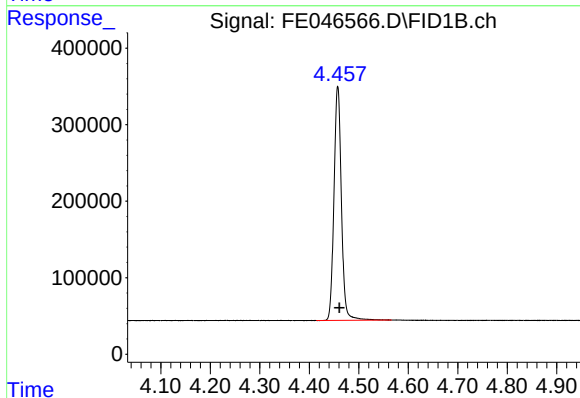
#1 n-Nonane (C9)

R.T.: 3.207 min
Delta R.T.: -0.005 min
Response: 3130211
Conc: 19.38 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

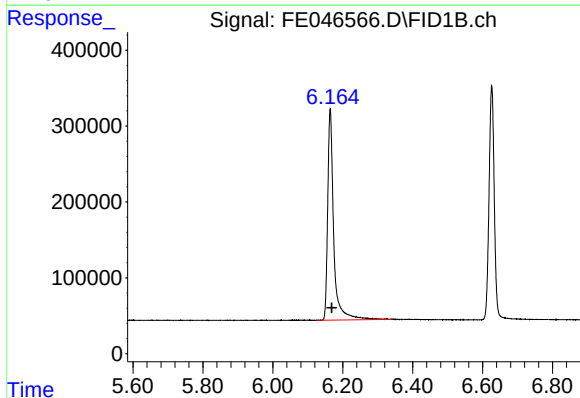
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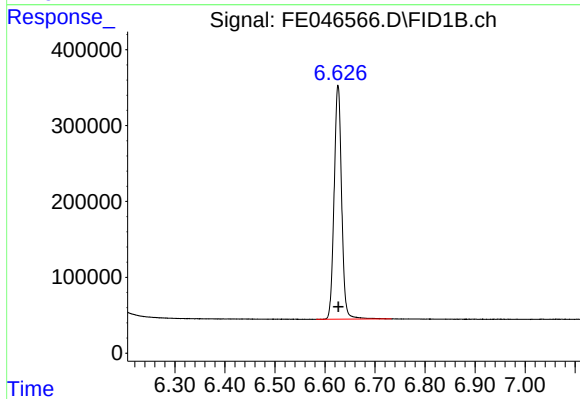
#2 n-Decane (C10)

R.T.: 4.458 min
Delta R.T.: -0.003 min
Response: 3194622
Conc: 19.49 ug/ml



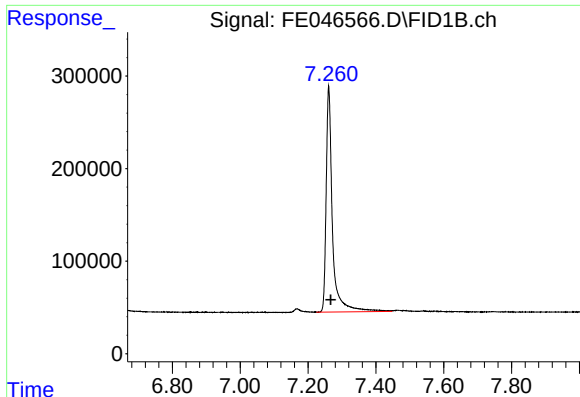
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: -0.005 min
Response: 3318474
Conc: 19.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 3217489
Conc: 19.45 ug/ml



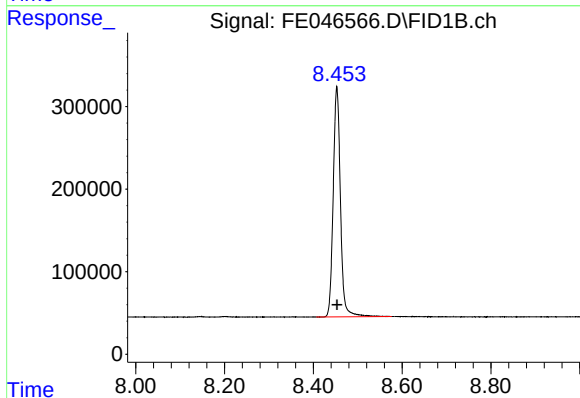
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.006 min
Response: 3158132
Conc: 19.80 ug/ml

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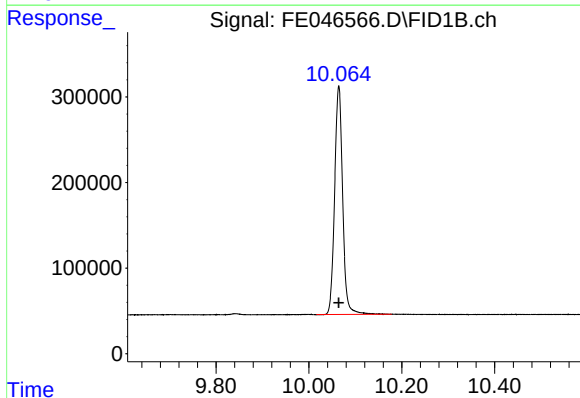
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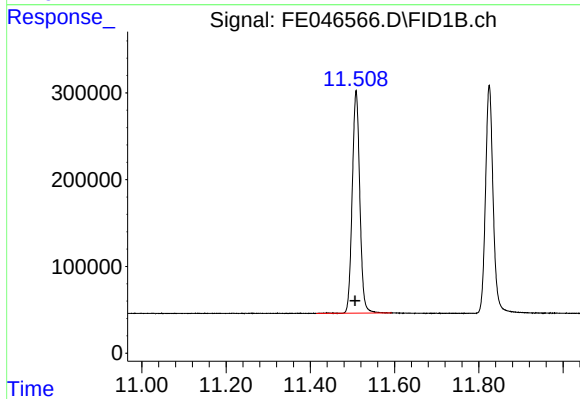
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.001 min
Response: 3159744
Conc: 19.28 ug/ml



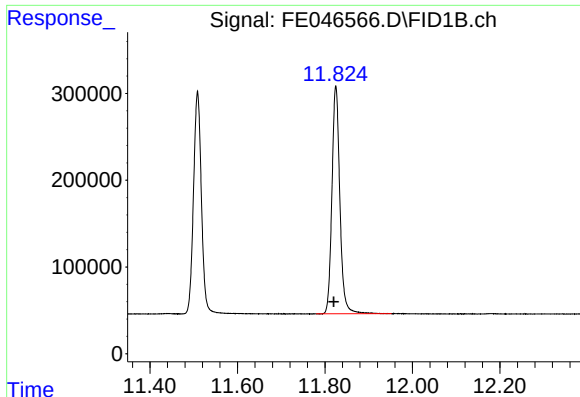
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: 0.000 min
Response: 3211004
Conc: 18.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: 0.002 min
Response: 3191345
Conc: 18.31 ug/ml



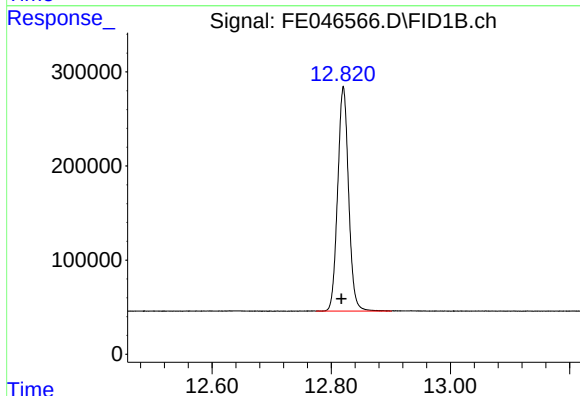
#9 ortho-Terphenyl (SURR)

R.T.: 11.825 min
Delta R.T.: 0.005 min
Response: 3306885
Conc: 17.88 ug/ml

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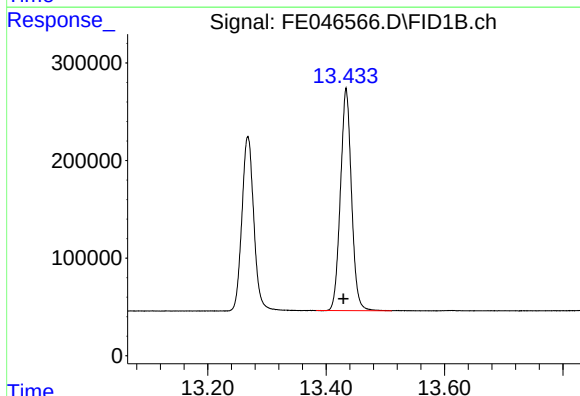
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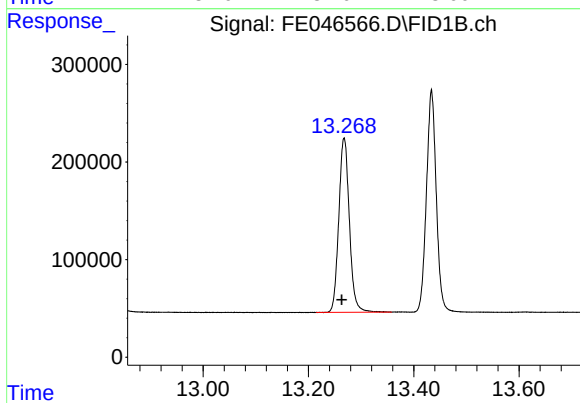
#10 n-Eicosane (C20)

R.T.: 12.820 min
Delta R.T.: 0.003 min
Response: 3028401
Conc: 17.84 ug/ml



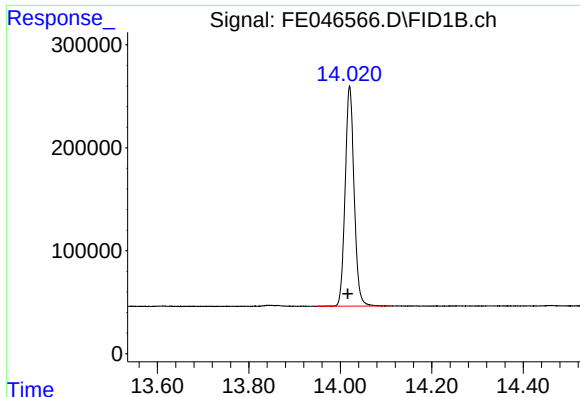
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: 0.004 min
Response: 2950144
Conc: 17.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: 0.004 min
Response: 2493848
Conc: 17.53 ug/ml



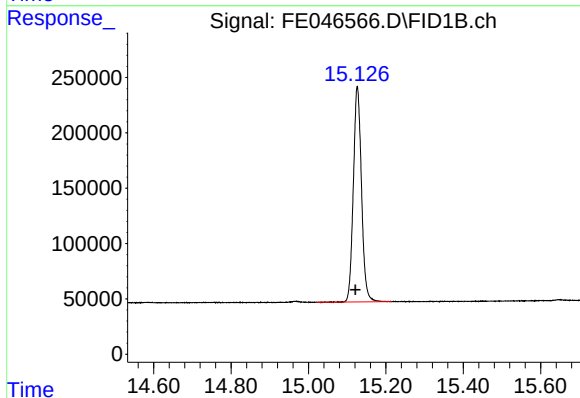
#13 n-Docosane (C22)

R.T.: 14.020 min
Delta R.T.: 0.004 min
Response: 2911257
Conc: 17.57 ug/ml

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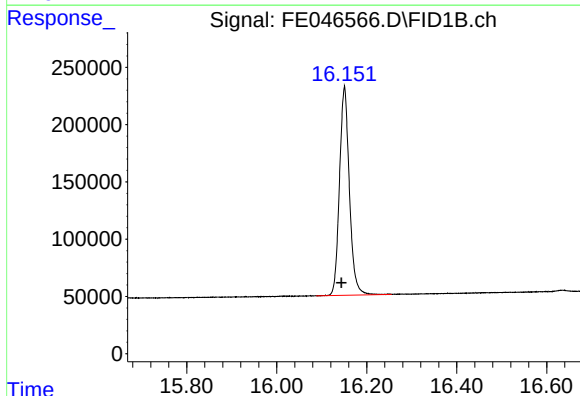
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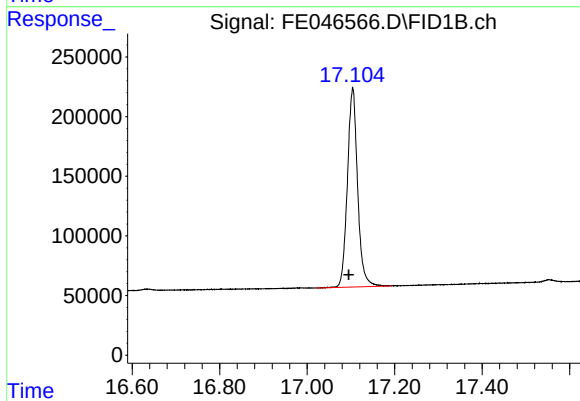
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: 0.005 min
Response: 2843063
Conc: 17.23 ug/ml



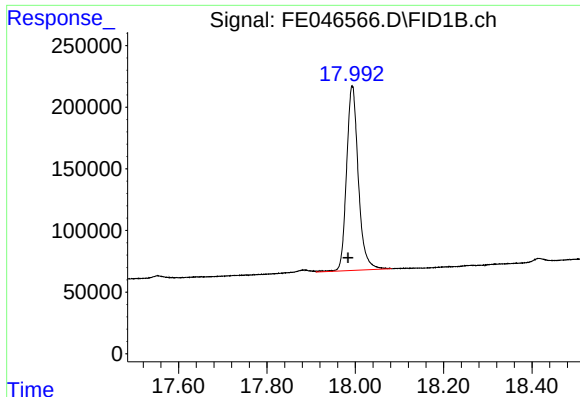
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: 0.007 min
Response: 2778246
Conc: 17.21 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: 0.010 min
Response: 2710142
Conc: 17.26 ug/ml



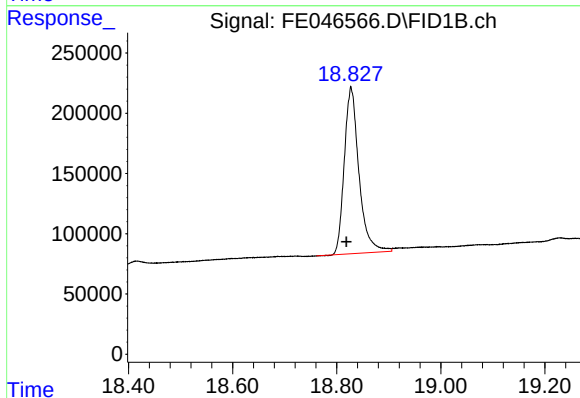
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: 0.009 min
Response: 2763287
Conc: 17.64 ug/ml

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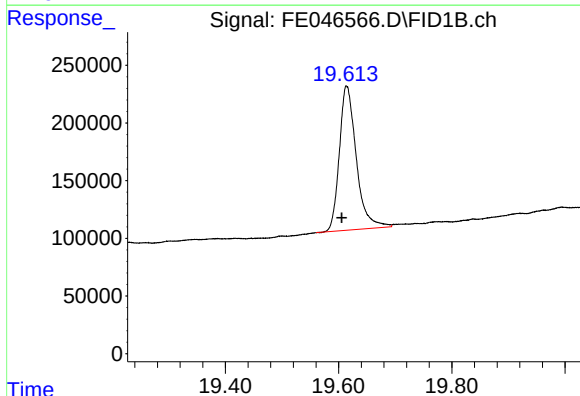
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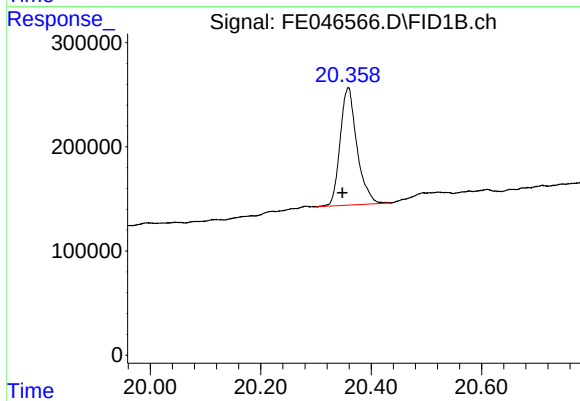
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: 0.009 min
Response: 2697009
Conc: 17.84 ug/ml



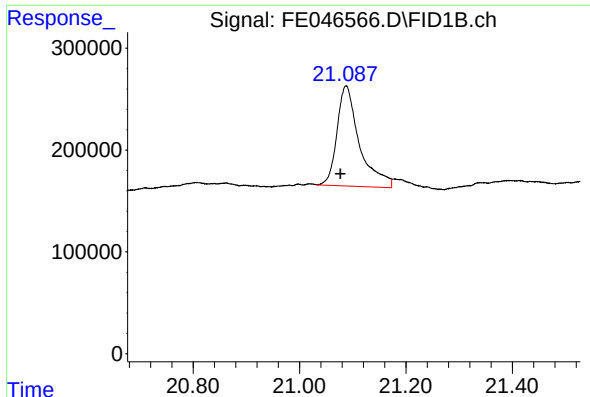
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: 0.008 min
Response: 2601196
Conc: 18.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.011 min
Response: 2379505
Conc: 17.26 ug/ml



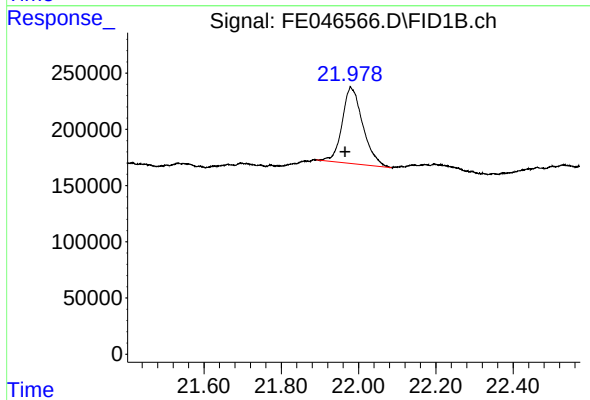
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: 0.010 min
Response: 2881015
Conc: 22.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.979 min
Delta R.T.: 0.014 min
Response: 2511826
Conc: 20.09 ug/ml