

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052324AL\
 Data File : FE048376.D
 Signal(s) : FID1B.ch
 Acq On : 24 May 2024 05:04
 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 05/24/2024
 Supervised By :Ankita Jodhani 05/24/2024

Integration File: autoint1.e
 Quant Time: May 24 07:33:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.957	2784476	19.301 ug/ml
Spiked Amount 50.000		Recovery =	38.60%
12) S 1-chlorooctadecane (S...	13.391	2138294	19.136 ug/ml
Spiked Amount 50.000		Recovery =	38.27%
Target Compounds			
1) T n-Nonane (C9)	3.341	2764255	21.448 ug/ml
2) T n-Decane (C10)	4.592	2850901	21.654 ug/ml
3) T A~Naphthalene (C11.7)	6.299	2831654	20.507 ug/ml
4) T n-Dodecane (C12)	6.758	2828274	21.215 ug/ml
5) T A~2-methylnaphthalene...	7.396	2692736	20.235 ug/ml
6) T n-Tetradecane (C14)	8.586	2732704	20.621 ug/ml
7) T n-Hexadecane (C16)	10.194	2751704	20.008 ug/ml
8) T n-Octadecane (C18)	11.637	2716751	19.503 ug/ml
10) T n-Eicosane (C20)	12.946	2590466	19.239 ug/ml
11) T n-Heneicosane (C21)	13.557	2530313	19.115 ug/ml
13) T n-Docosane (C22)	14.144	2531119	19.100 ug/ml
14) T n-Tetracosane (C24)	15.247	2591095	19.459 ug/ml
15) T n-Hexacosane (C26)	16.266	2598439	19.472 ug/ml
16) T n-Octacosane (C28)	17.216	2664033	20.008 ug/ml
17) T n-Tricontane (C30)	18.102	2890479	20.943 ug/ml
18) T n-Dotriacontane (C32)	18.935	2952157	21.373 ug/ml
19) T n-Tetratriacontane (C34)	19.718	2836192	20.820 ug/ml
20) T n-Hexatriacontane (C36)	20.458	2828241	20.888 ug/ml
21) T n-Octatriacontane (C38)	21.196	2666036	19.310 ug/ml
22) T n-Tetracontane (C40)	22.113	3006300	21.578 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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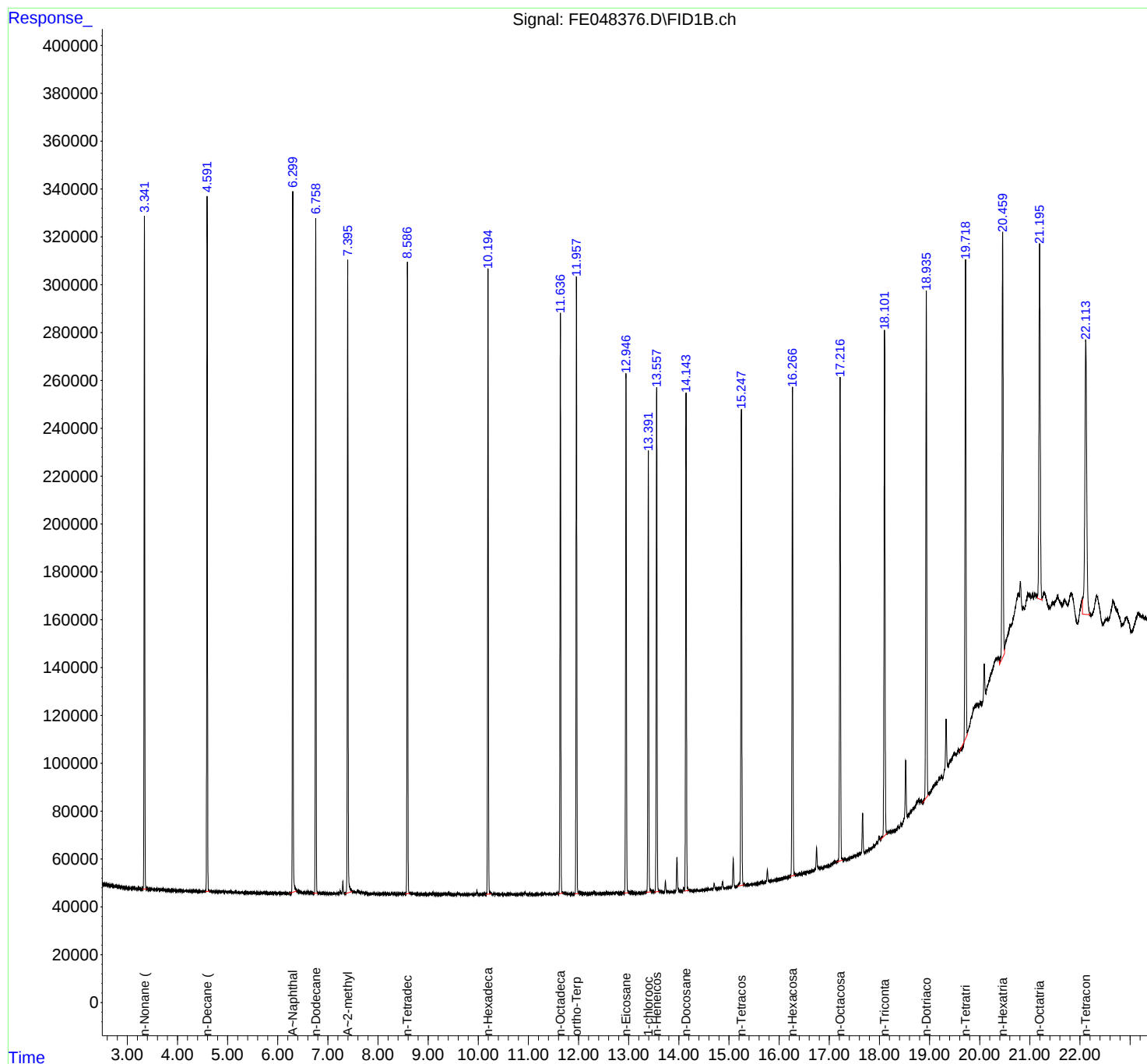
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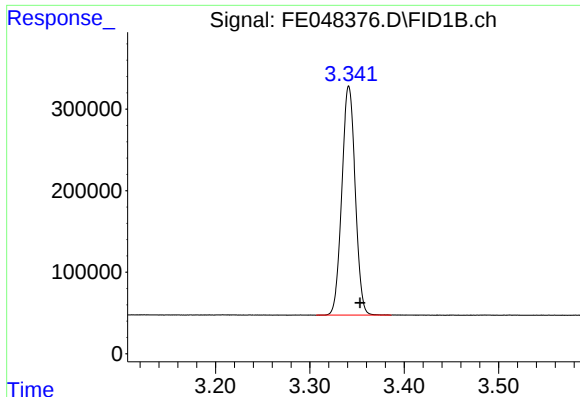
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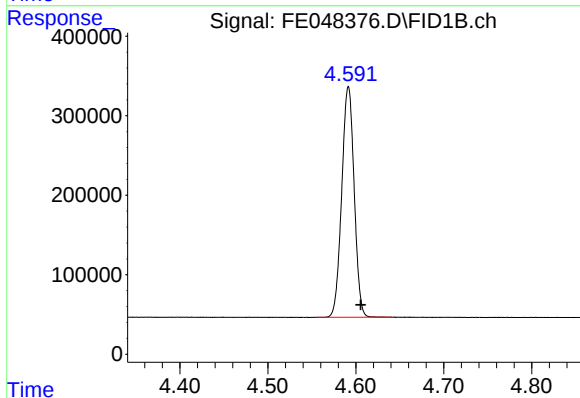
#1 n-Nonane (C9)

R.T.: 3.341 min
Delta R.T.: -0.012 min
Response: 2764255
Conc: 21.45 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

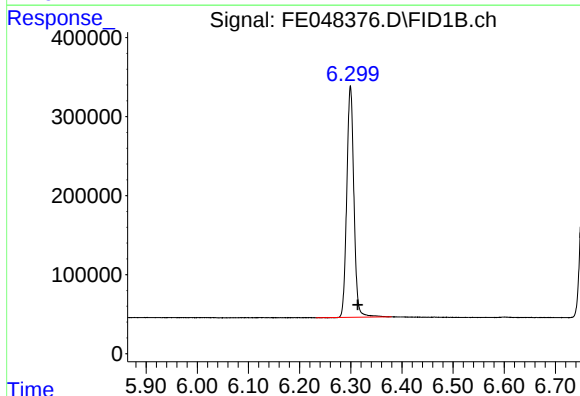
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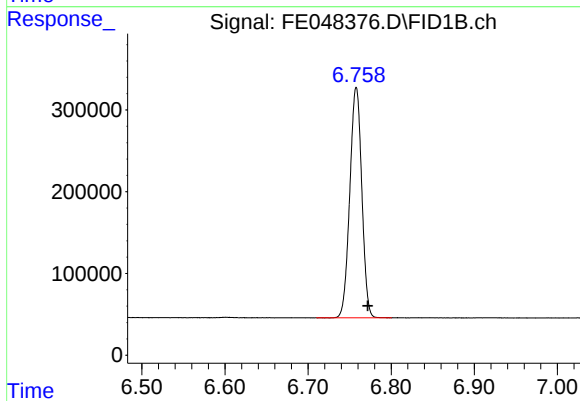
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.014 min
Response: 2850901
Conc: 21.65 ug/ml



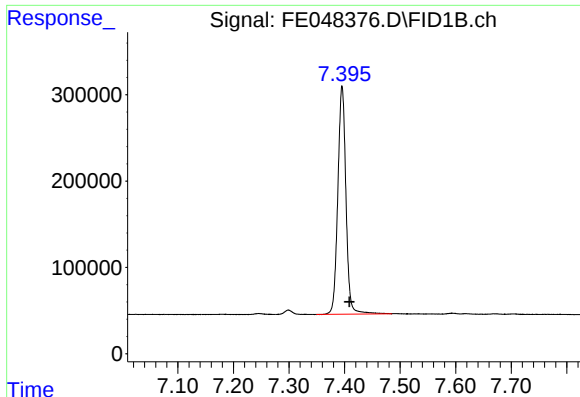
#3 A~Naphthalene (C11.7)

R.T.: 6.299 min
Delta R.T.: -0.014 min
Response: 2831654
Conc: 20.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 2828274
Conc: 21.22 ug/ml



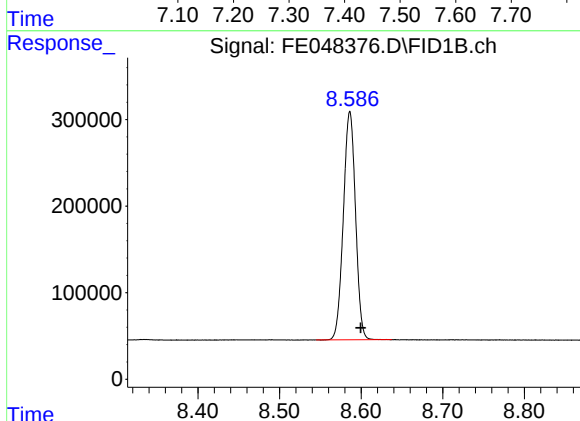
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: -0.013 min
Response: 2692736
Conc: 20.23 ug/ml

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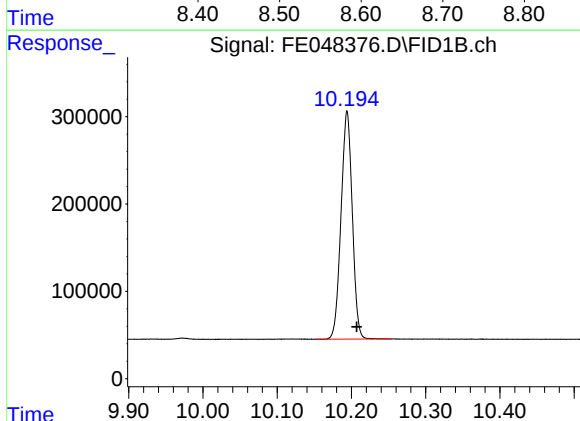
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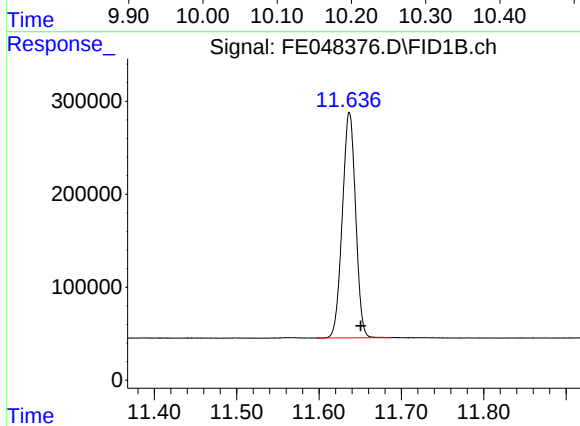
#6 n-Tetradecane (C14)

R.T.: 8.586 min
Delta R.T.: -0.013 min
Response: 2732704
Conc: 20.62 ug/ml



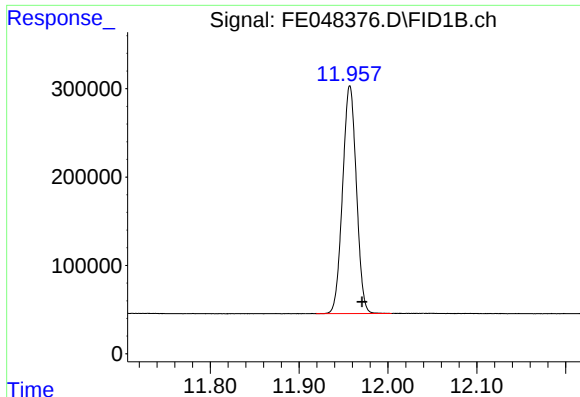
#7 n-Hexadecane (C16)

R.T.: 10.194 min
Delta R.T.: -0.013 min
Response: 2751704
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.014 min
Response: 2716751
Conc: 19.50 ug/ml



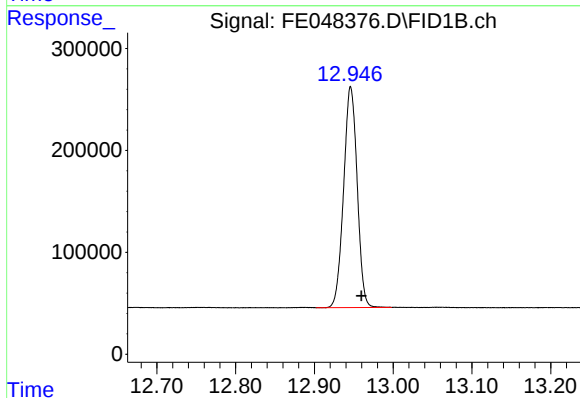
#9 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: -0.014 min
Response: 2784476
Conc: 19.30 ug/ml

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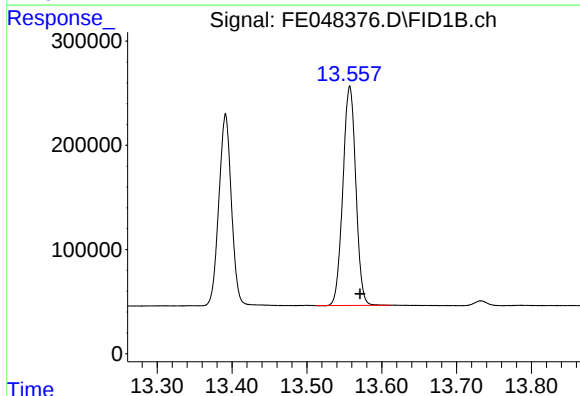
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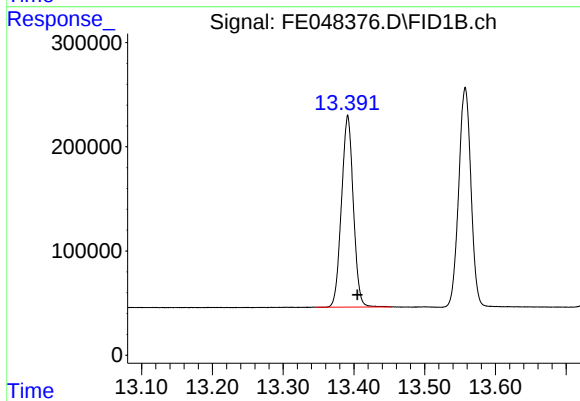
#10 n-Eicosane (C20)

R.T.: 12.946 min
Delta R.T.: -0.013 min
Response: 2590466
Conc: 19.24 ug/ml



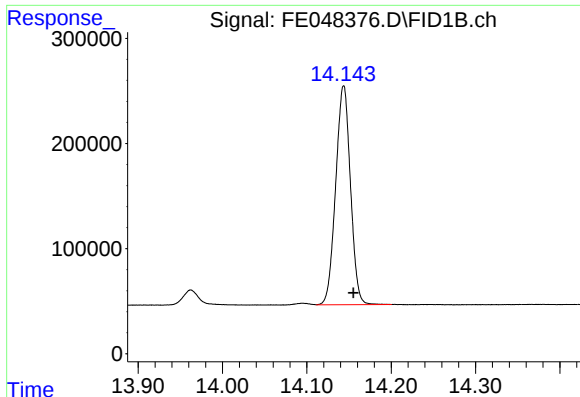
#11 n-Heneicosane (C21)

R.T.: 13.557 min
Delta R.T.: -0.014 min
Response: 2530313
Conc: 19.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.013 min
Response: 2138294
Conc: 19.14 ug/ml



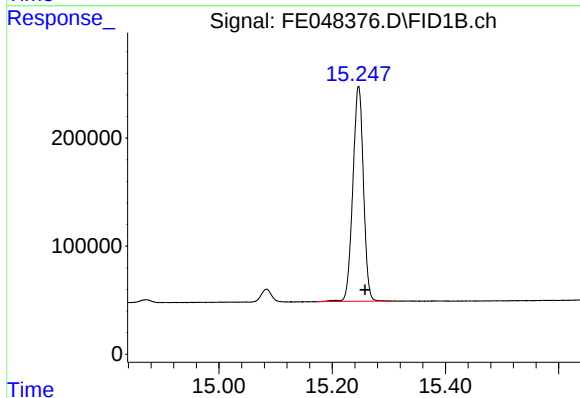
#13 n-Docosane (C22)

R.T.: 14.144 min
Delta R.T.: -0.012 min
Response: 2531119
Conc: 19.10 ug/ml

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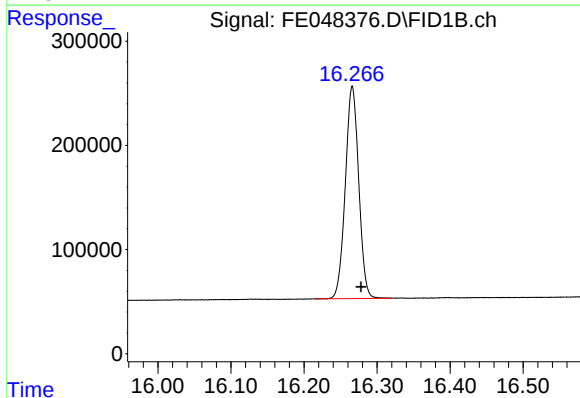
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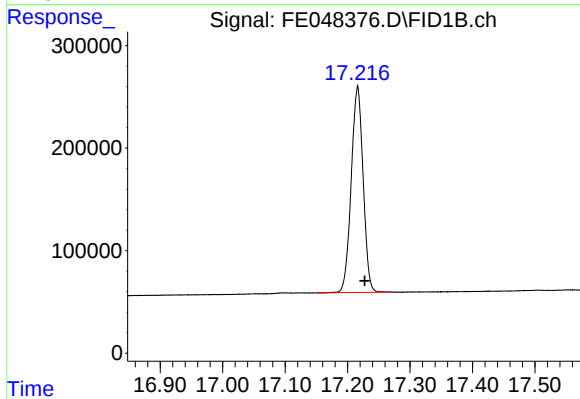
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.011 min
Response: 2591095
Conc: 19.46 ug/ml



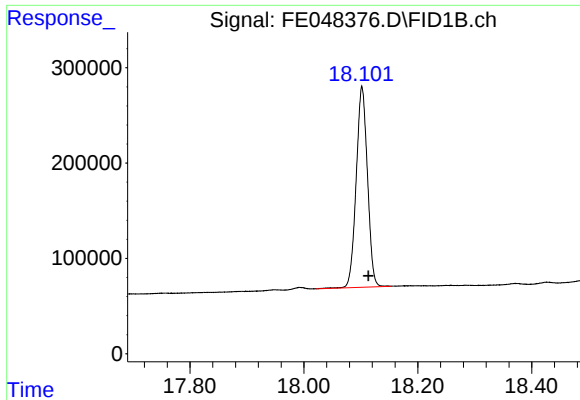
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: -0.012 min
Response: 2598439
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.216 min
Delta R.T.: -0.011 min
Response: 2664033
Conc: 20.01 ug/ml



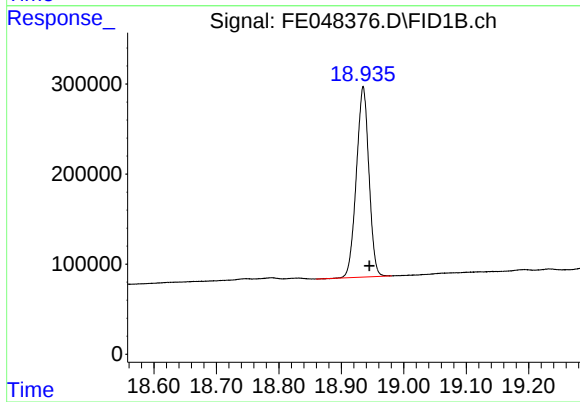
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.011 min
Response: 2890479
Conc: 20.94 ug/ml

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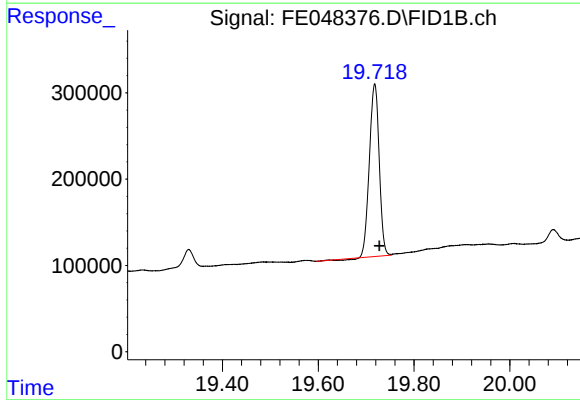
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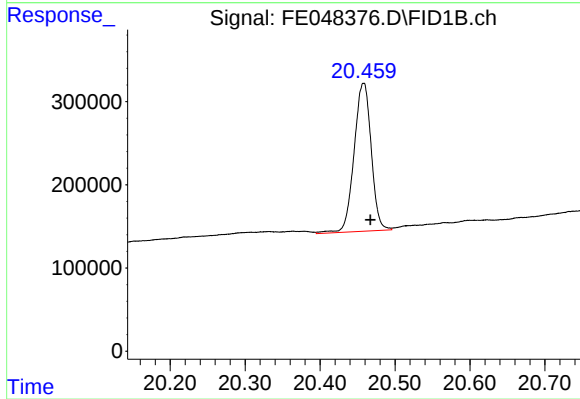
#18 n-Dotriacontane (C32)

R.T.: 18.935 min
Delta R.T.: -0.010 min
Response: 2952157
Conc: 21.37 ug/ml



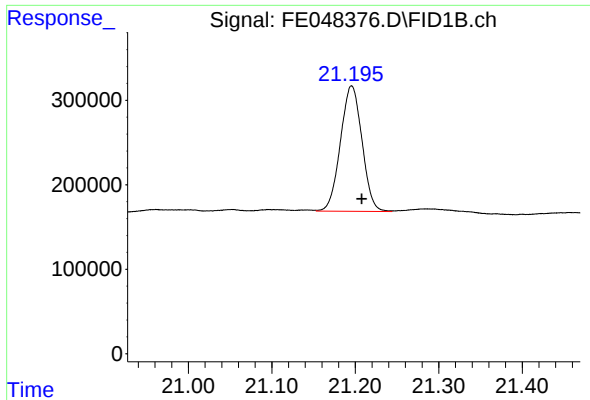
#19 n-Tetratriacontane (C34)

R.T.: 19.718 min
Delta R.T.: -0.010 min
Response: 2836192
Conc: 20.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.458 min
Delta R.T.: -0.009 min
Response: 2828241
Conc: 20.89 ug/ml



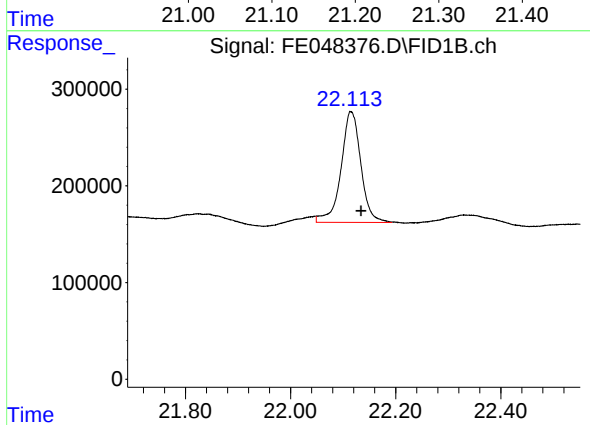
#21 n-Octatriacontane (C38)

R.T.: 21.196 min
Delta R.T.: -0.012 min
Response: 2666036
Conc: 19.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.113 min
Delta R.T.: -0.021 min
Response: 3006300
Conc: 21.58 ug/ml m