

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052424AL\
 Data File : FE048379.D
 Signal(s) : FID1B.ch
 Acq On : 24 May 2024 08:56
 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 05/28/2024
 Supervised By :Ankita Jodhani 05/28/2024

Integration File: autoint1.e
 Quant Time: May 25 01:02:09 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)	11.958	2825120	19.583 ug/ml
Spiked Amount 50.000		Recovery =	39.17%
12) S 1-chlorooctadecane (S...	13.391	2162465	19.352 ug/ml
Spiked Amount 50.000		Recovery =	38.70%
Target Compounds			
1) T n-Nonane (C9)	3.341	2850775	22.120 ug/ml
2) T n-Decane (C10)	4.591	2940314	22.334 ug/ml
3) T A~Naphthalene (C11.7)	6.298	2910868	21.081 ug/ml
4) T n-Dodecane (C12)	6.757	2900325	21.756 ug/ml
5) T A~2-methylnaphthalene...	7.395	2734789	20.551 ug/ml
6) T n-Tetradecane (C14)	8.585	2797788	21.112 ug/ml
7) T n-Hexadecane (C16)	10.193	2798179	20.345 ug/ml
8) T n-Octadecane (C18)	11.637	2755544	19.782 ug/ml
10) T n-Eicosane (C20)	12.945	2619327	19.454 ug/ml
11) T n-Heneicosane (C21)	13.558	2562235	19.356 ug/ml
13) T n-Docosane (C22)	14.143	2563930	19.347 ug/ml
14) T n-Tetracosane (C24)	15.245	2627218	19.731 ug/ml
15) T n-Hexacosane (C26)	16.266	2633696	19.736 ug/ml
16) T n-Octacosane (C28)	17.213	2711340	20.364 ug/ml
17) T n-Tricontane (C30)	18.101	2927945	21.215 ug/ml
18) T n-Dotriacontane (C32)	18.933	3018468	21.853 ug/ml
19) T n-Tetratriacontane (C34)	19.715	2969591	21.800 ug/mlm
20) T n-Hexatriacontane (C36)	20.456	2871440	21.207 ug/ml
21) T n-Octatriacontane (C38)	21.193	2704549	19.589 ug/ml
22) T n-Tetracontane (C40)	22.116	2816931	20.219 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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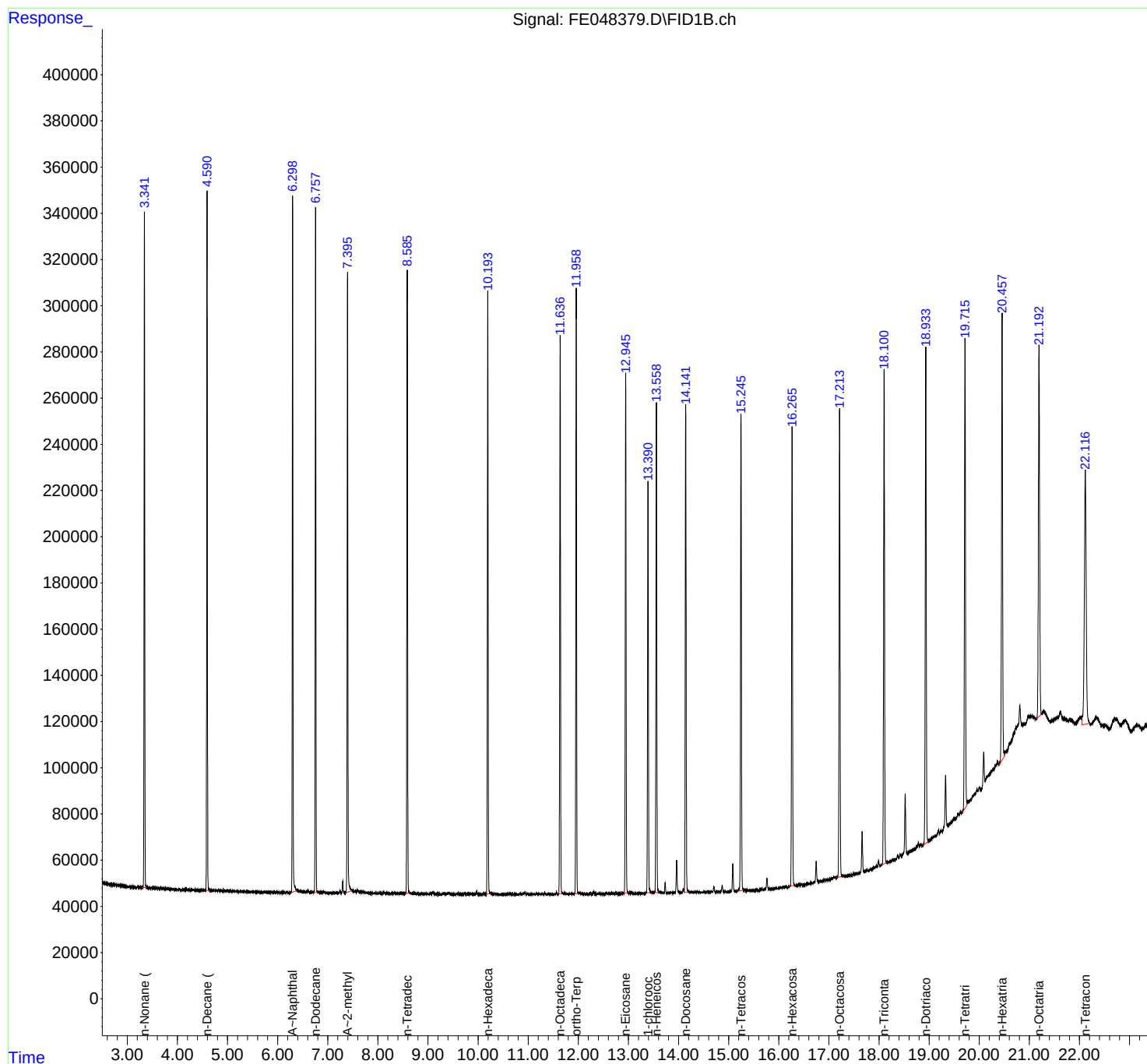
Instrument :
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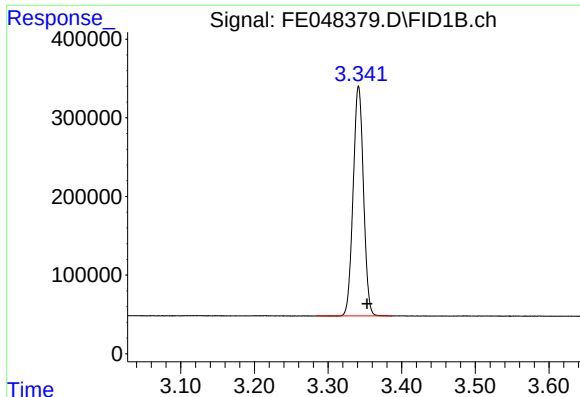
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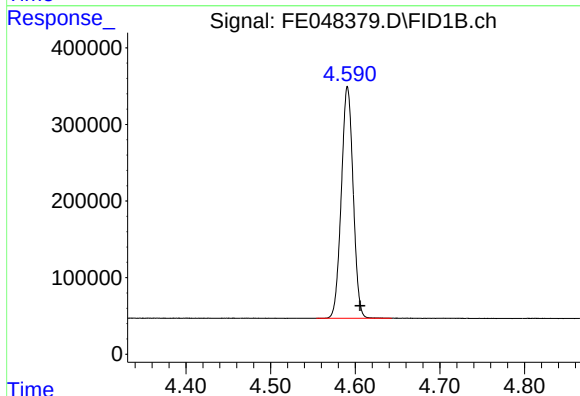
#1 n-Nonane (C9)

R.T.: 3.341 min
Delta R.T.: -0.012 min
Response: 2850775
Conc: 22.12 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

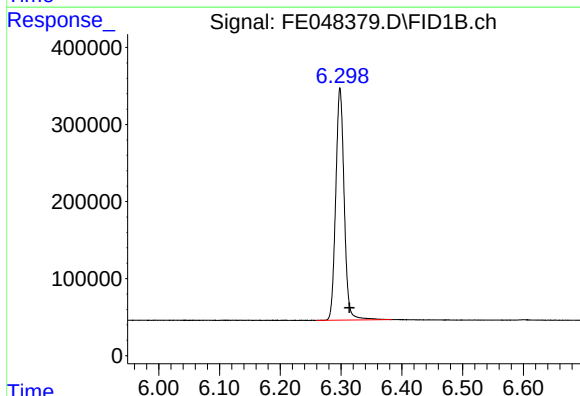
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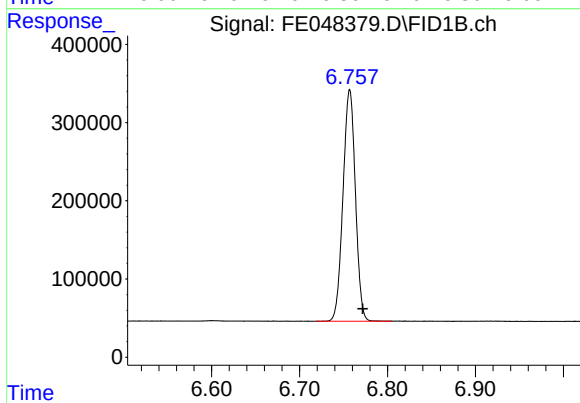
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: -0.015 min
Response: 2940314
Conc: 22.33 ug/ml



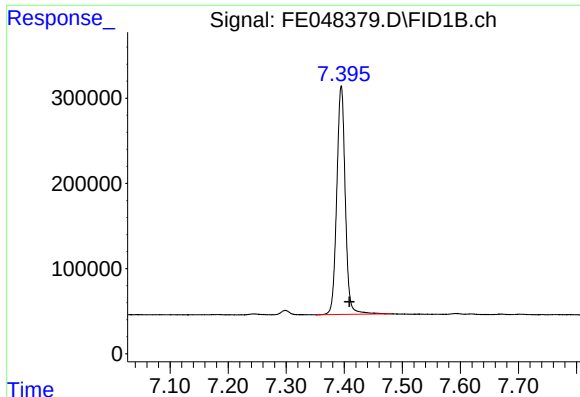
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: -0.015 min
Response: 2910868
Conc: 21.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.757 min
Delta R.T.: -0.015 min
Response: 2900325
Conc: 21.76 ug/ml



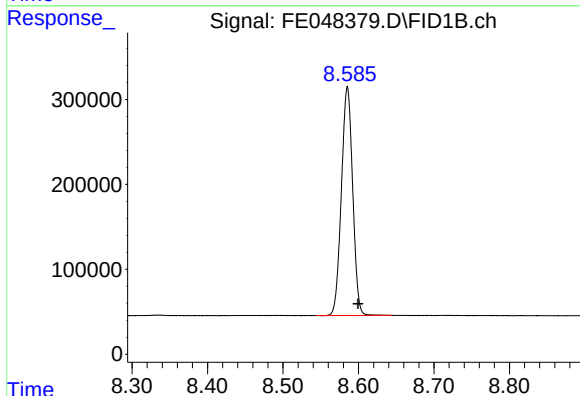
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.395 min
Delta R.T.: -0.014 min
Response: 2734789
Conc: 20.55 ug/ml

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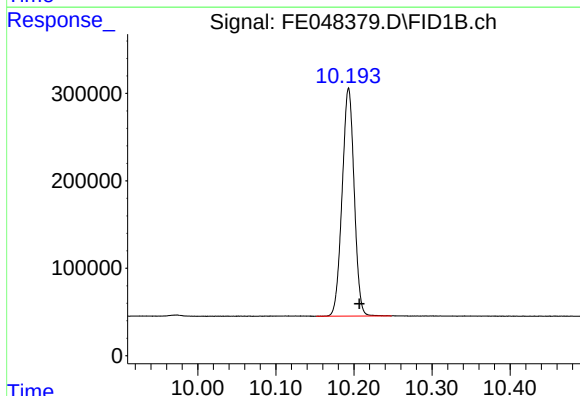
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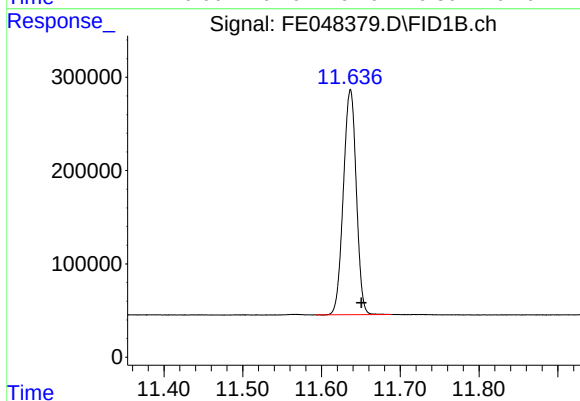
#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: -0.014 min
Response: 2797788
Conc: 21.11 ug/ml



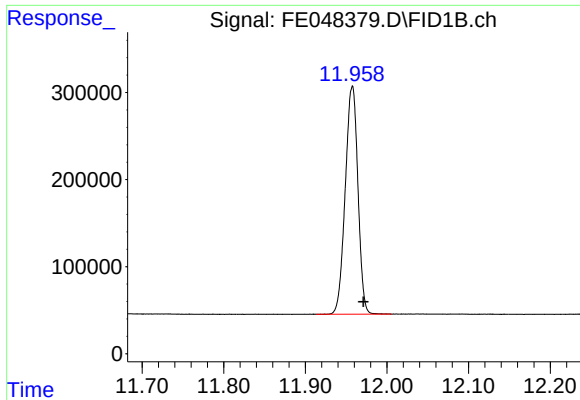
#7 n-Hexadecane (C16)

R.T.: 10.193 min
Delta R.T.: -0.014 min
Response: 2798179
Conc: 20.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.014 min
Response: 2755544
Conc: 19.78 ug/ml



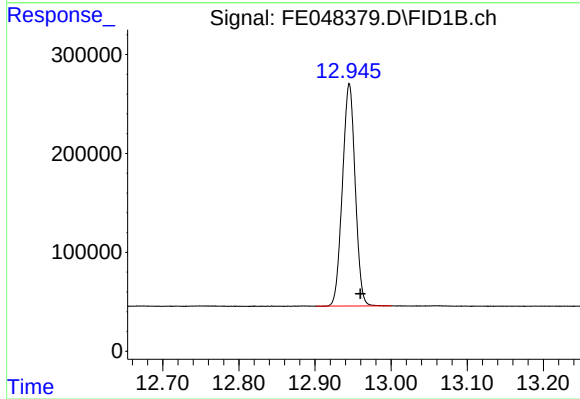
#9 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: -0.014 min
Response: 2825120
Conc: 19.58 ug/ml

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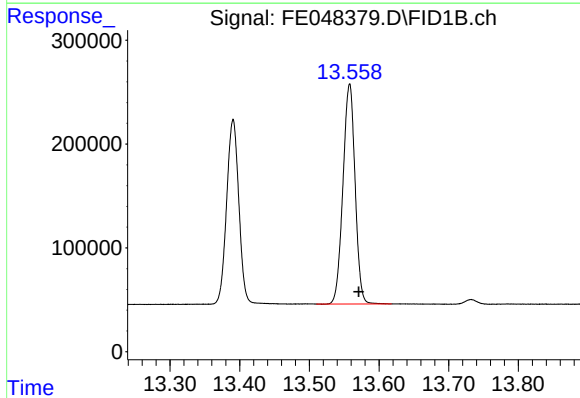
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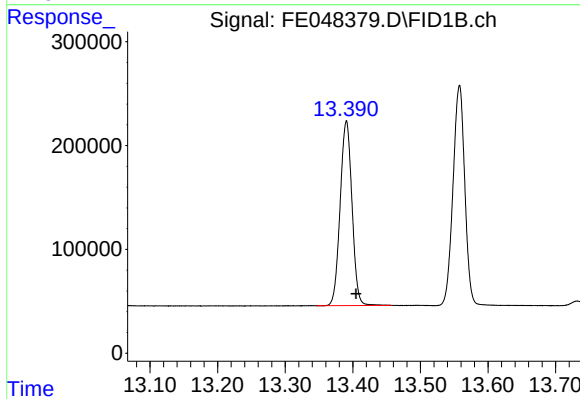
#10 n-Eicosane (C20)

R.T.: 12.945 min
Delta R.T.: -0.014 min
Response: 2619327
Conc: 19.45 ug/ml



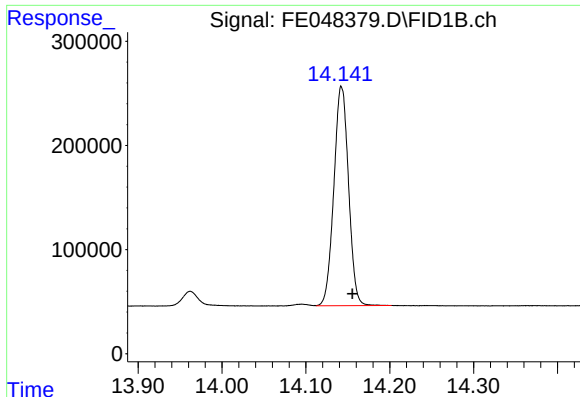
#11 n-Heneicosane (C21)

R.T.: 13.558 min
Delta R.T.: -0.013 min
Response: 2562235
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.014 min
Response: 2162465
Conc: 19.35 ug/ml



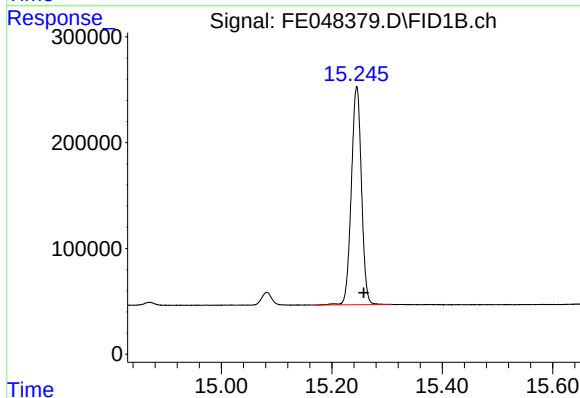
#13 n-Docosane (C22)

R.T.: 14.143 min
Delta R.T.: -0.013 min
Response: 2563930
Conc: 19.35 ug/ml

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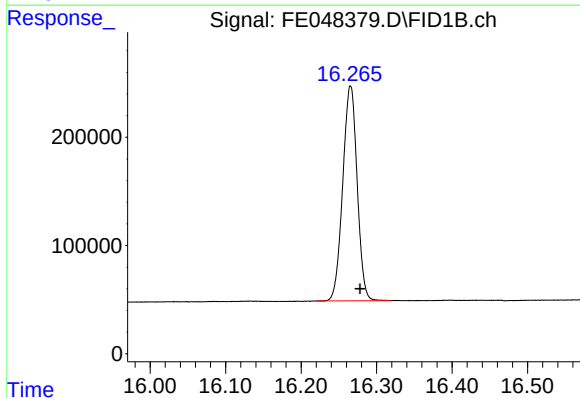
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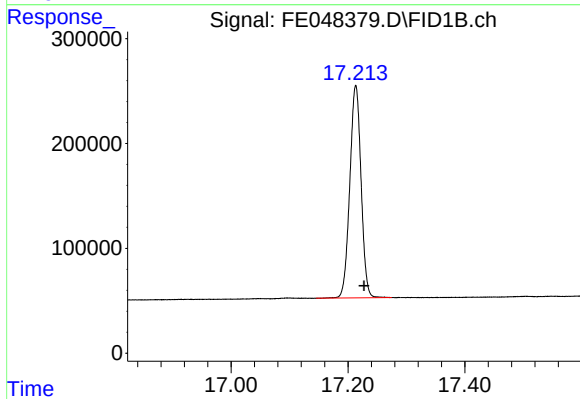
#14 n-Tetracosane (C24)

R.T.: 15.245 min
Delta R.T.: -0.013 min
Response: 2627218
Conc: 19.73 ug/ml



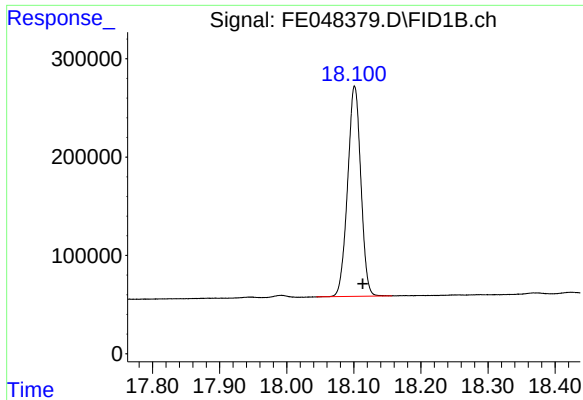
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: -0.012 min
Response: 2633696
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.014 min
Response: 2711340
Conc: 20.36 ug/ml



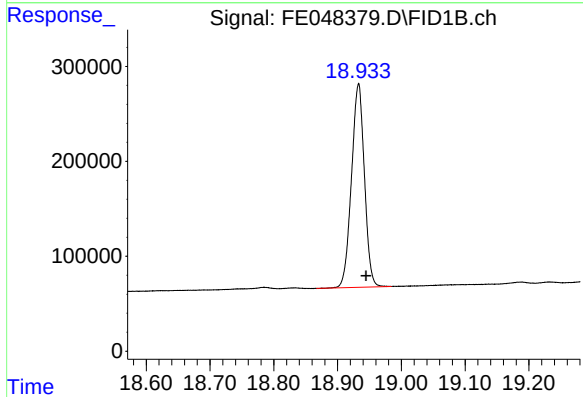
#17 n-Tricontane (C30)

R.T.: 18.101 min
Delta R.T.: -0.012 min
Response: 2927945
Conc: 21.21 ug/ml

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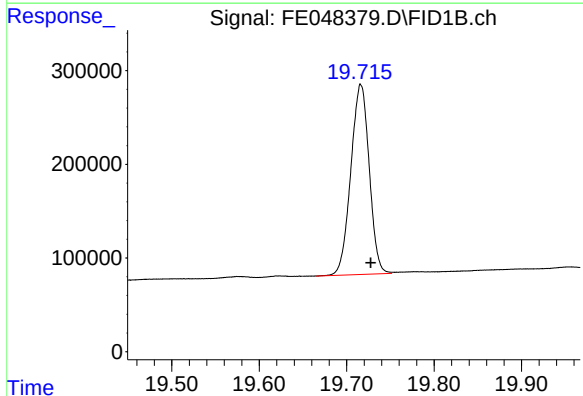
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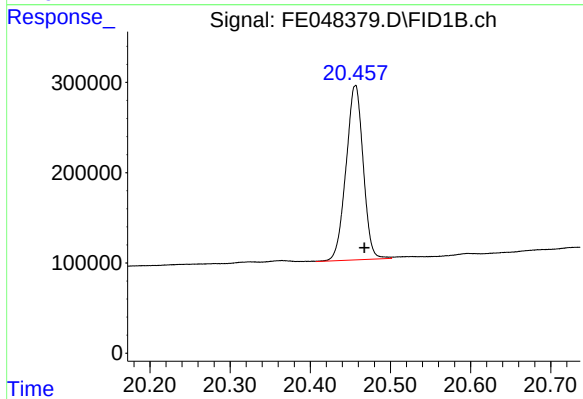
#18 n-Dotriacontane (C32)

R.T.: 18.933 min
Delta R.T.: -0.012 min
Response: 3018468
Conc: 21.85 ug/ml



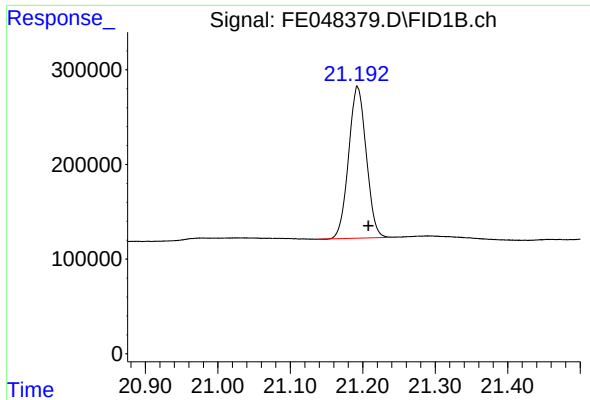
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: -0.013 min
Response: 2969591
Conc: 21.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: -0.011 min
Response: 2871440
Conc: 21.21 ug/ml



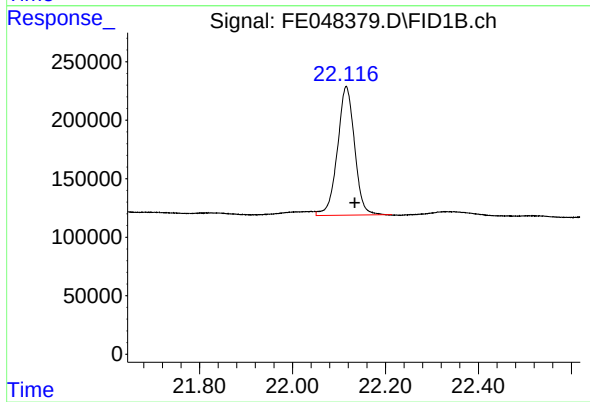
#21 n-Octatriacontane (C38)

R.T.: 21.193 min
Delta R.T.: -0.015 min
Response: 2704549
Conc: 19.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.116 min
Delta R.T.: -0.018 min
Response: 2816931
Conc: 20.22 ug/ml m