

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092623AL\
 Data File : FE044465.D
 Signal(s) : FID1B.ch
 Acq On : 26 Sep 2023 23:23
 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 09/27/2023
 Supervised By :Ankita Jodhani 09/27/2023

Integration File: autoint1.e
 Quant Time: Sep 27 00:33:08 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 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)	11.920	3774962	20.108 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
12) S 1-chlorooctadecane (S...	13.358	2761809	20.301 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
Target Compounds			
1) T n-Nonane (C9)	3.311	3267810	20.128 ug/ml
2) T n-Decane (C10)	4.561	3343026	20.189 ug/ml
3) T A~Naphthalene (C11.7)	6.262	3618483	20.239 ug/ml
4) T n-Dodecane (C12)	6.725	3355861	20.176 ug/ml
5) T A~2-methylnaphthalene...	7.357	3462845	20.240 ug/ml
6) T n-Tetradecane (C14)	8.550	3307481	20.147 ug/ml
7) T n-Hexadecane (C16)	10.159	3403239	20.089 ug/ml
8) T n-Octadecane (C18)	11.604	3406680	20.064 ug/ml
10) T n-Eicosane (C20)	12.914	3229041	20.070 ug/ml
11) T n-Heneicosane (C21)	13.527	3140758	20.058 ug/ml
13) T n-Docosane (C22)	14.113	3097139	20.081 ug/ml
14) T n-Tetracosane (C24)	15.216	3036248	20.085 ug/ml
15) T n-Hexacosane (C26)	16.238	2960790	20.128 ug/ml
16) T n-Octacosane (C28)	17.188	2916897	20.338 ug/ml
17) T n-Tricontane (C30)	18.077	3064934	20.676 ug/ml
18) T n-Dotriacontane (C32)	18.911	3100524	20.944 ug/ml
19) T n-Tetratriacontane (C34)	19.697	3031366	20.742 ug/ml
20) T n-Hexatriacontane (C36)	20.436	2971592	20.486 ug/mlm
21) T n-Octatriacontane (C38)	21.178	3002532	20.045 ug/ml
22) T n-Tetracontane (C40)	22.095	3142293	19.912 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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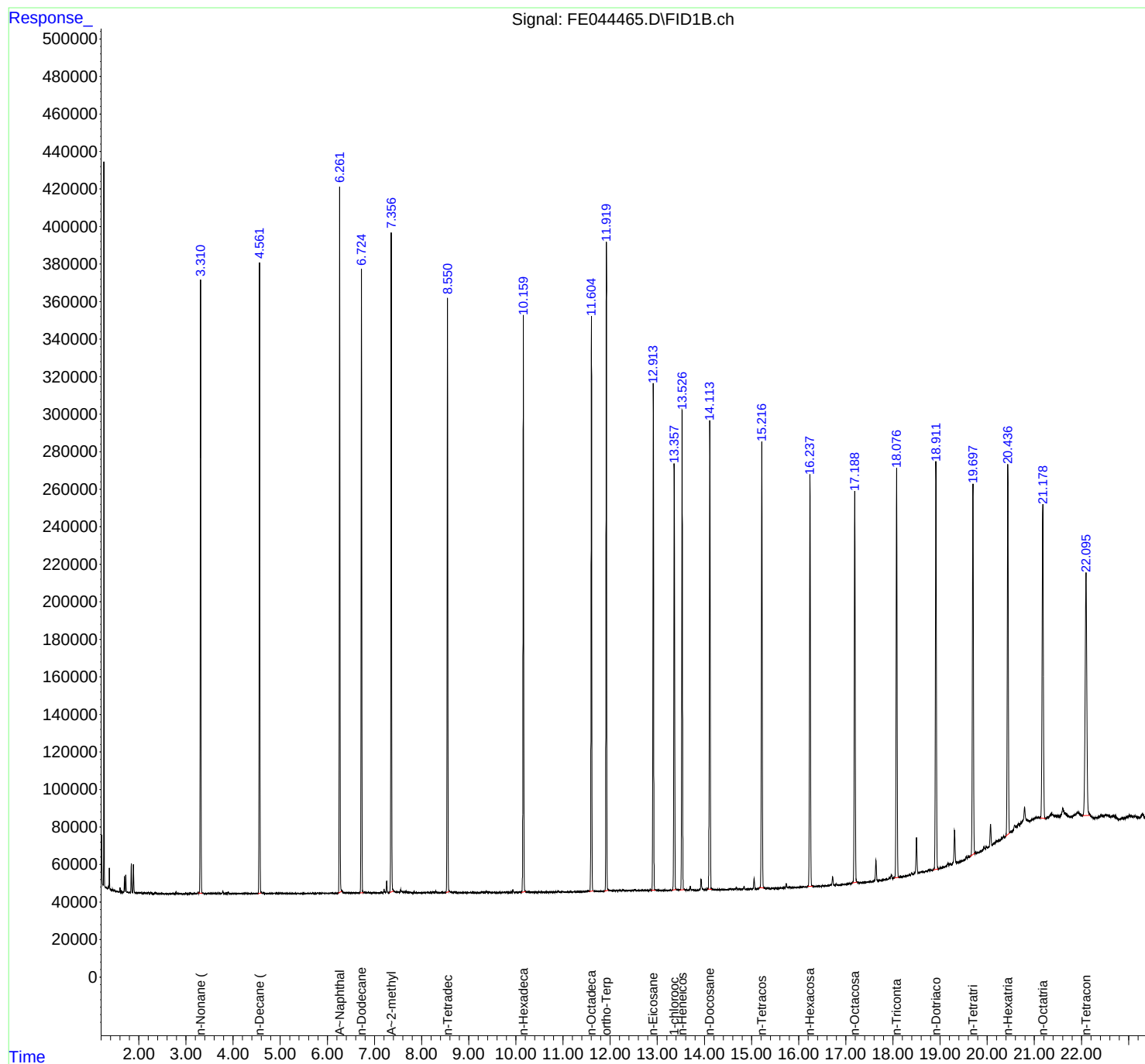
Instrument :
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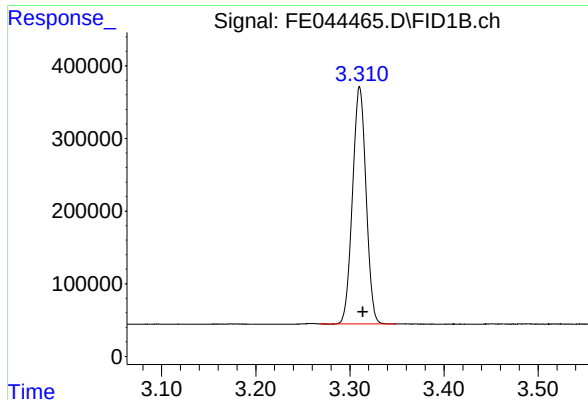
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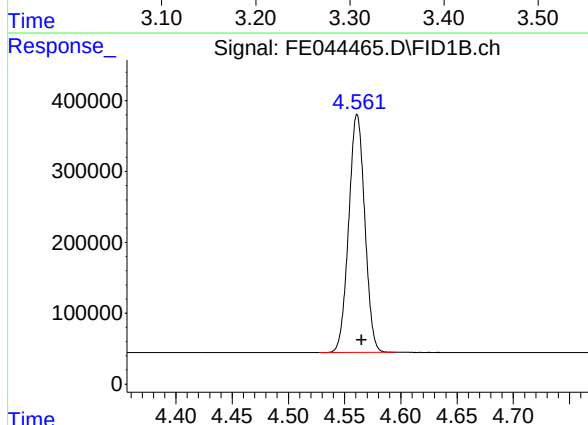
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: -0.003 min
Response: 3267810
Conc: 20.13 ug/ml

Instrument : FID_E
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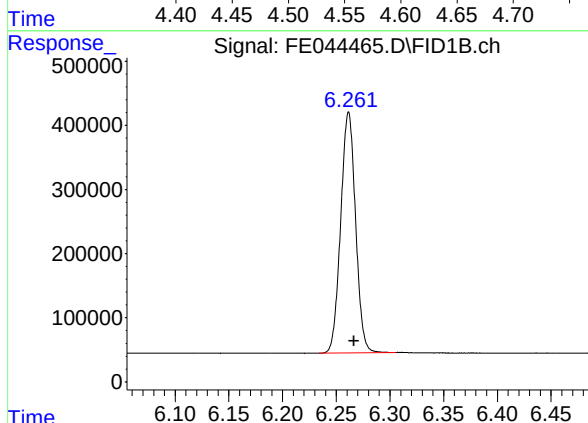
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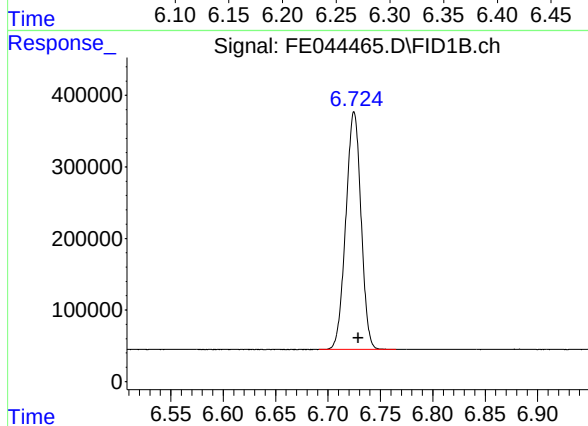
#2 n-Decane (C10)

R.T.: 4.561 min
Delta R.T.: -0.004 min
Response: 3343026
Conc: 20.19 ug/ml



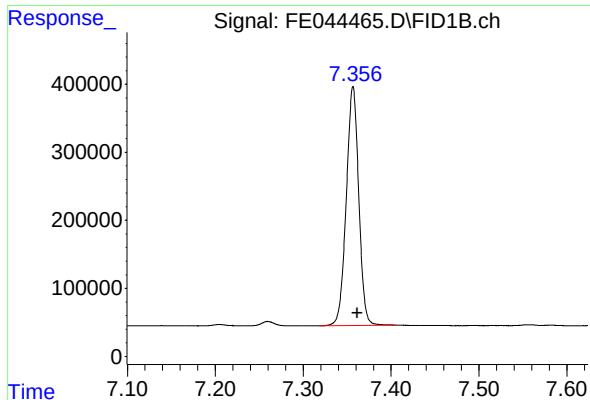
#3 A~Naphthalene (C11.7)

R.T.: 6.262 min
Delta R.T.: -0.005 min
Response: 3618483
Conc: 20.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.725 min
Delta R.T.: -0.004 min
Response: 3355861
Conc: 20.18 ug/ml



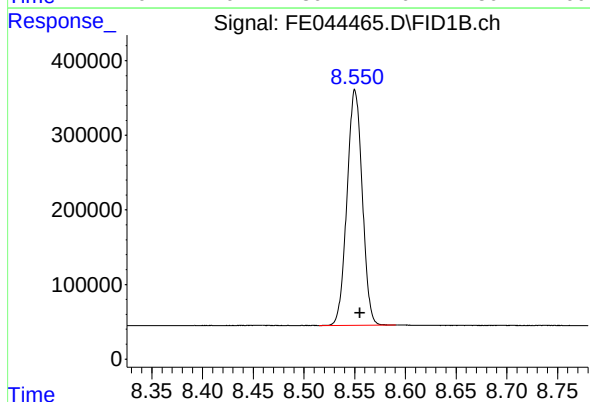
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.357 min
Delta R.T.: -0.005 min
Response: 3462845
Conc: 20.24 ug/ml

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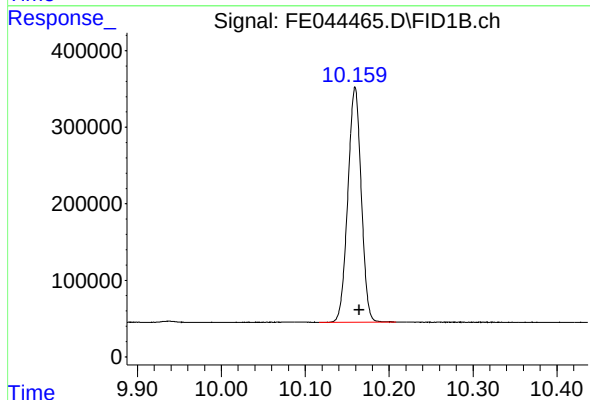
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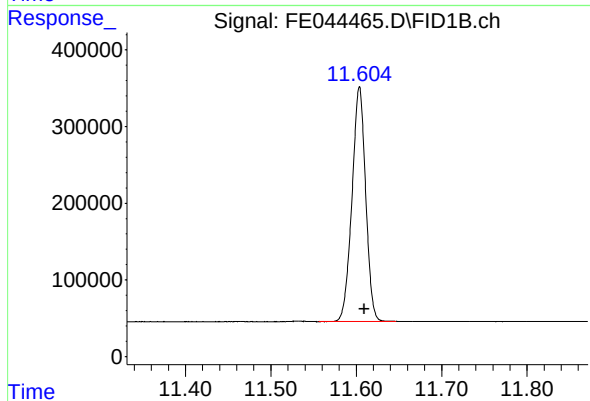
#6 n-Tetradecane (C14)

R.T.: 8.550 min
Delta R.T.: -0.005 min
Response: 3307481
Conc: 20.15 ug/ml



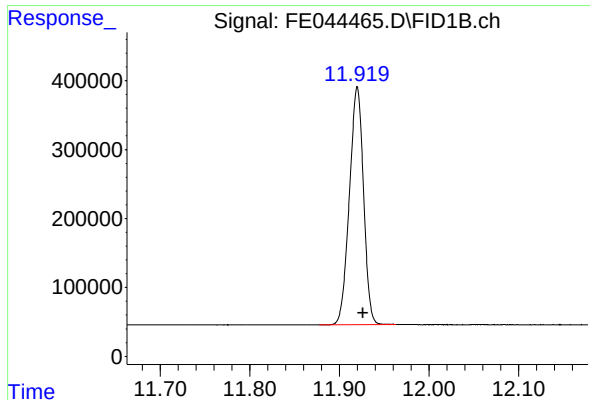
#7 n-Hexadecane (C16)

R.T.: 10.159 min
Delta R.T.: -0.005 min
Response: 3403239
Conc: 20.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.604 min
Delta R.T.: -0.006 min
Response: 3406680
Conc: 20.06 ug/ml



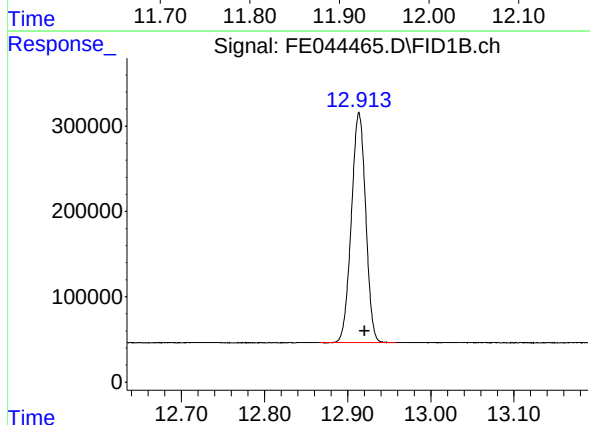
#9 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: -0.006 min
Response: 3774962
Conc: 20.11 ug/ml

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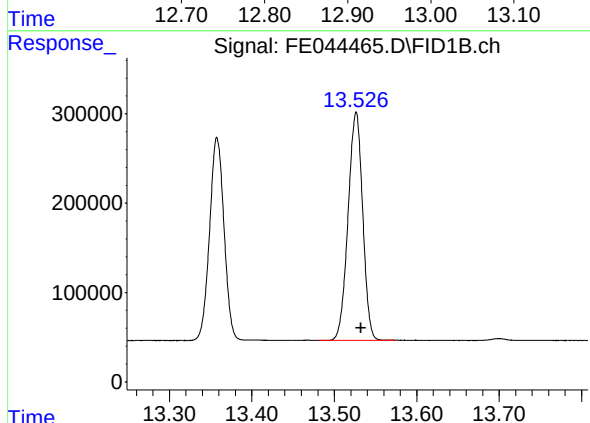
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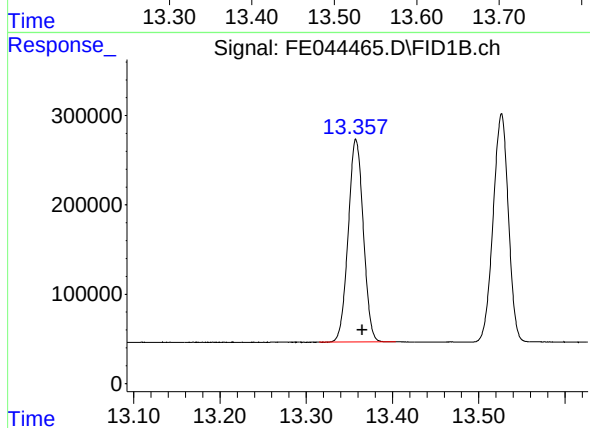
#10 n-Eicosane (C20)

R.T.: 12.914 min
Delta R.T.: -0.006 min
Response: 3229041
Conc: 20.07 ug/ml



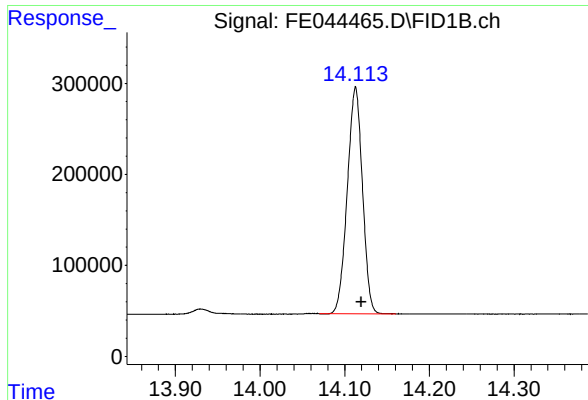
#11 n-Heneicosane (C21)

R.T.: 13.527 min
Delta R.T.: -0.006 min
Response: 3140758
Conc: 20.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.358 min
Delta R.T.: -0.007 min
Response: 2761809
Conc: 20.30 ug/ml



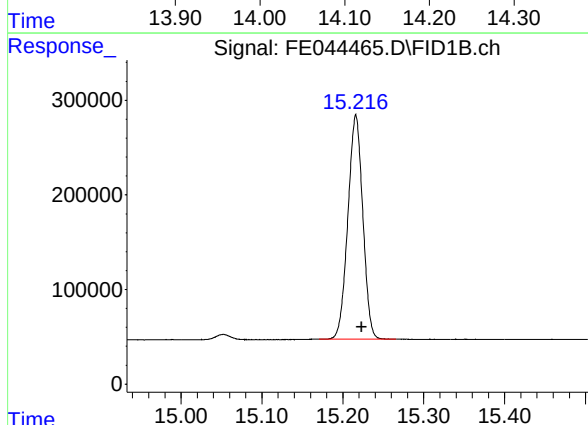
#13 n-Docosane (C22)

R.T.: 14.113 min
Delta R.T.: -0.007 min
Response: 3097139
Conc: 20.08 ug/ml

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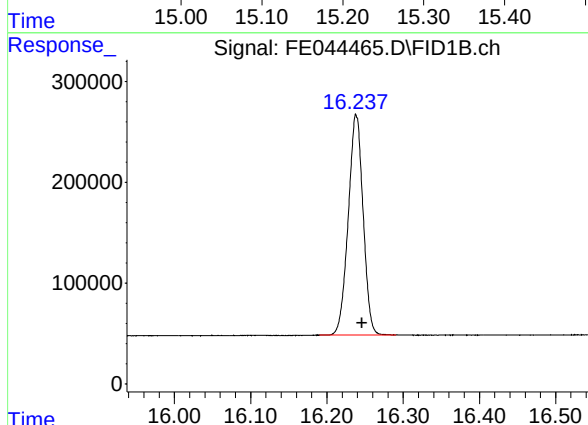
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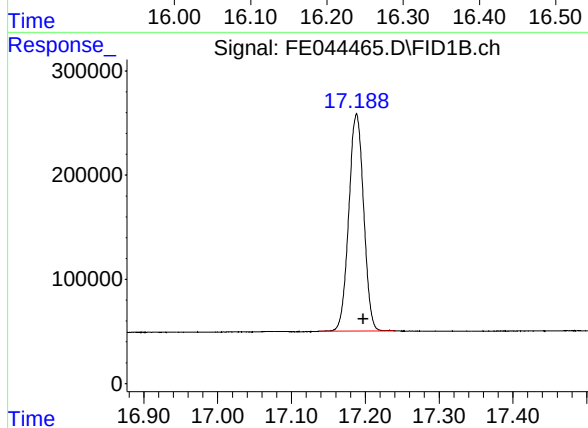
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.007 min
Response: 3036248
Conc: 20.09 ug/ml



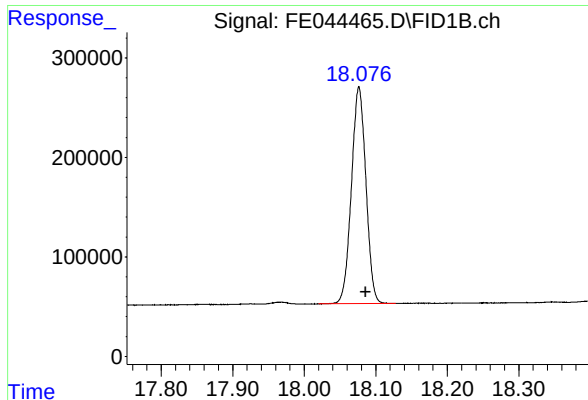
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: -0.008 min
Response: 2960790
Conc: 20.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.009 min
Response: 2916897
Conc: 20.34 ug/ml



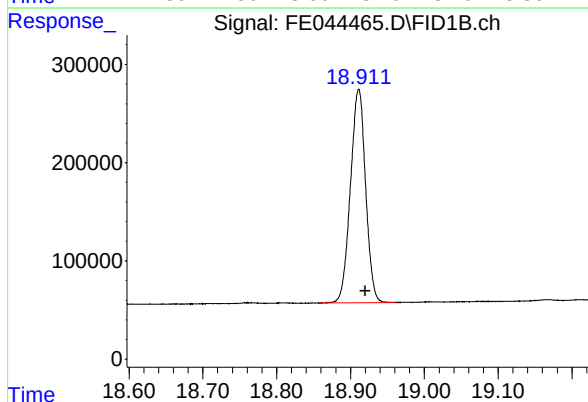
#17 n-Tricontane (C30)

R.T.: 18.077 min
Delta R.T.: -0.010 min
Response: 3064934
Conc: 20.68 ug/ml

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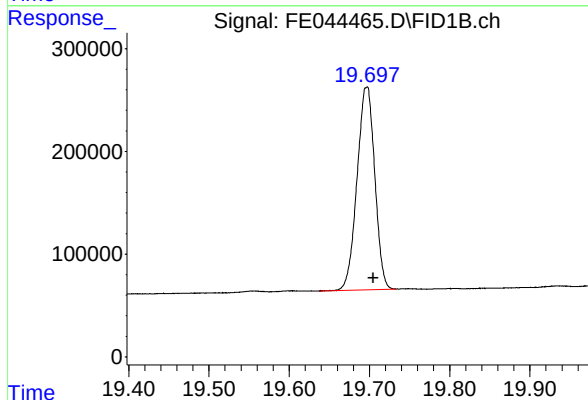
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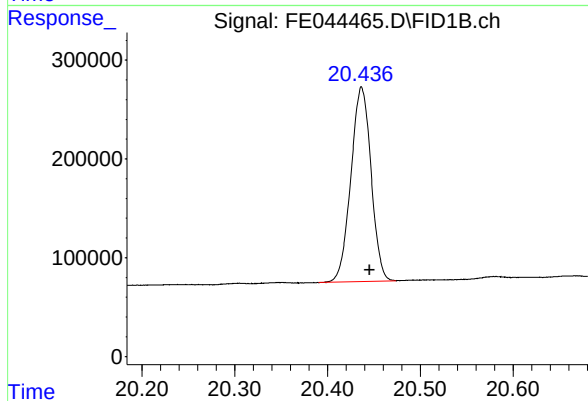
#18 n-Dotriacontane (C32)

R.T.: 18.911 min
Delta R.T.: -0.009 min
Response: 3100524
Conc: 20.94 ug/ml



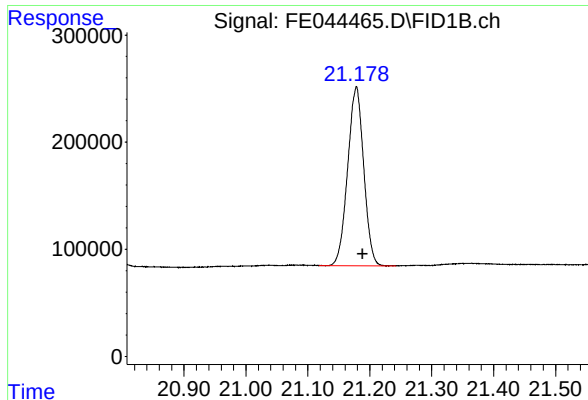
#19 n-Tetratriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.008 min
Response: 3031366
Conc: 20.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.436 min
Delta R.T.: -0.010 min
Response: 2971592
Conc: 20.49 ug/ml m



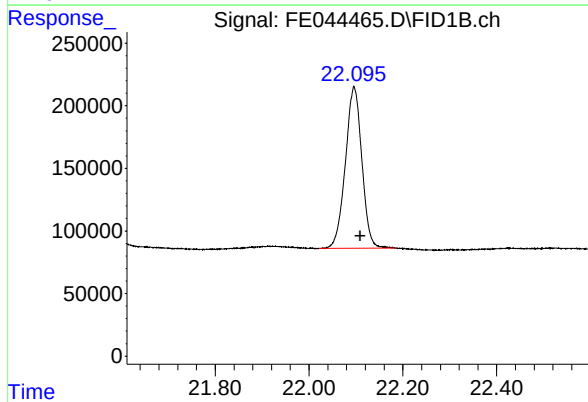
#21 n-Octatriacontane (C38)

R.T.: 21.178 min
Delta R.T.: -0.010 min
Response: 3002532
Conc: 20.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.095 min
Delta R.T.: -0.014 min
Response: 3142293
Conc: 19.91 ug/ml m