

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100523AL\
 Data File : FE044635.D
 Signal(s) : FID1B.ch
 Acq On : 06 Oct 2023 01:42
 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 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 06 03:37:08 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)	11.930	3725971	19.847 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
12) S 1-chlorooctadecane (S...	13.372	2734861	20.103 ug/ml
Spiked Amount 50.000		Recovery =	40.21%
Target Compounds			
1) T n-Nonane (C9)	3.303	3095015	19.064 ug/ml
2) T n-Decane (C10)	4.556	3220627	19.449 ug/ml
3) T A~Naphthalene (C11.7)	6.260	3498094	19.566 ug/ml
4) T n-Dodecane (C12)	6.724	3262994	19.617 ug/ml
5) T A~2-methylnaphthalene...	7.357	3362350	19.653 ug/ml
6) T n-Tetradecane (C14)	8.553	3253208	19.816 ug/ml
7) T n-Hexadecane (C16)	10.166	3362252	19.847 ug/ml
8) T n-Octadecane (C18)	11.614	3384856	19.936 ug/ml
10) T n-Eicosane (C20)	12.927	3205255	19.922 ug/ml
11) T n-Heneicosane (C21)	13.540	3119017	19.919 ug/ml
13) T n-Docosane (C22)	14.128	3083315	19.991 ug/ml
14) T n-Tetracosane (C24)	15.235	3024468	20.008 ug/ml
15) T n-Hexacosane (C26)	16.259	2979267	20.254 ug/ml
16) T n-Octacosane (C28)	17.213	3061902	21.349 ug/ml
17) T n-Tricontane (C30)	18.103	3421154	23.080 ug/ml
18) T n-Dotriacontane (C32)	18.939	3558448	24.038 ug/ml
19) T n-Tetratriacontane (C34)	19.725	3378421	23.117 ug/ml
20) T n-Hexatriacontane (C36)	20.470	3468315	23.911 ug/ml
21) T n-Octatriacontane (C38)	21.221	3668209	24.489 ug/mlm
22) T n-Tetracontane (C40)	22.155	3277917	20.771 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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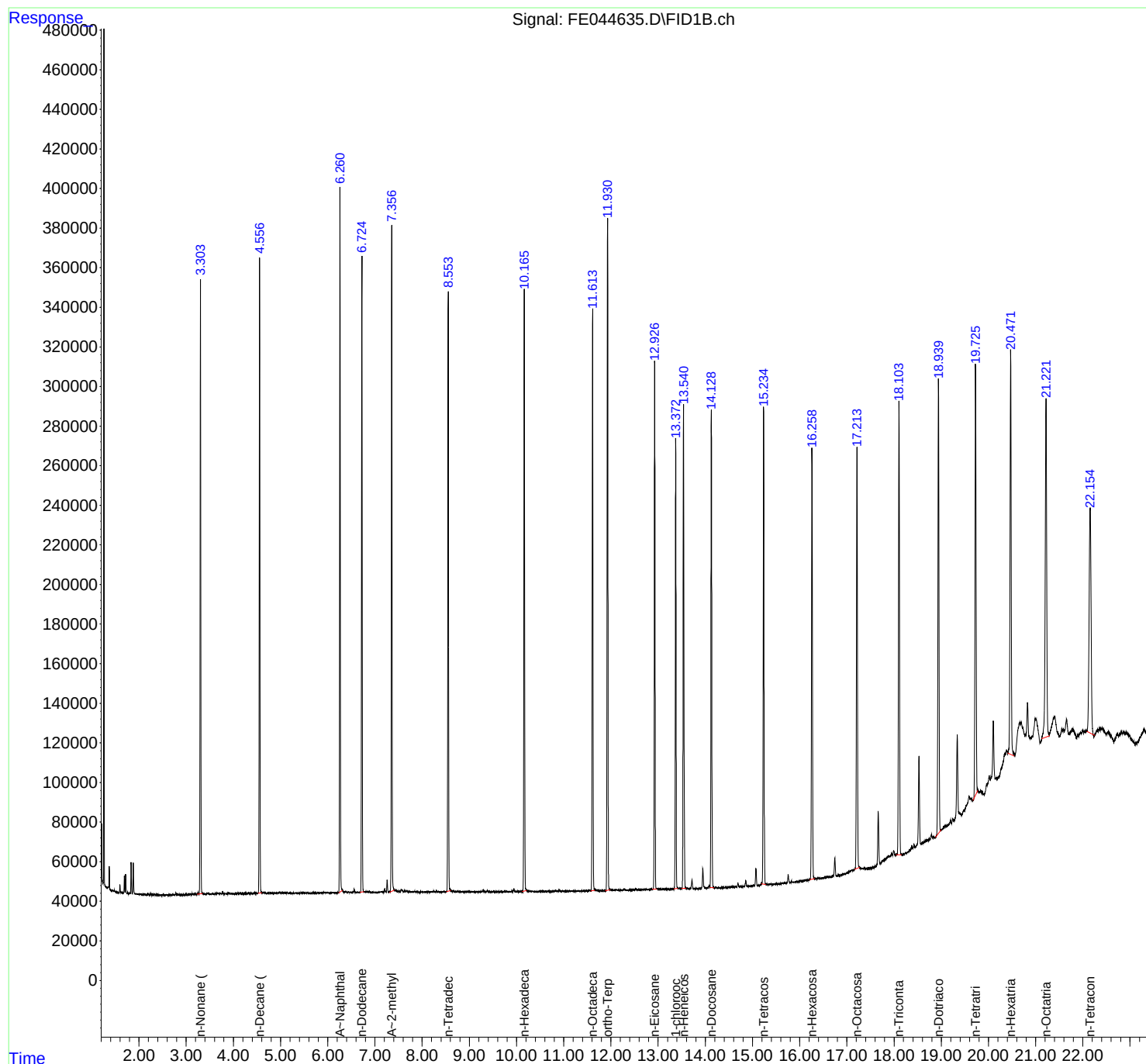
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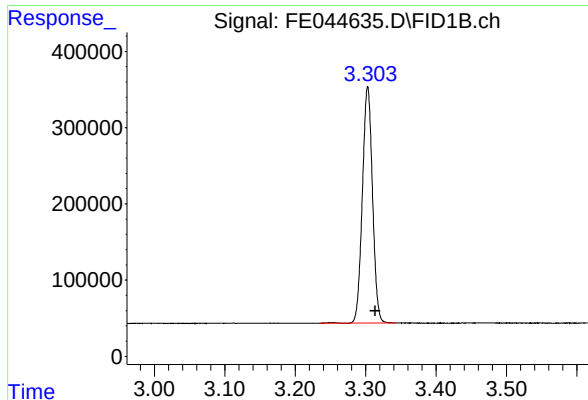
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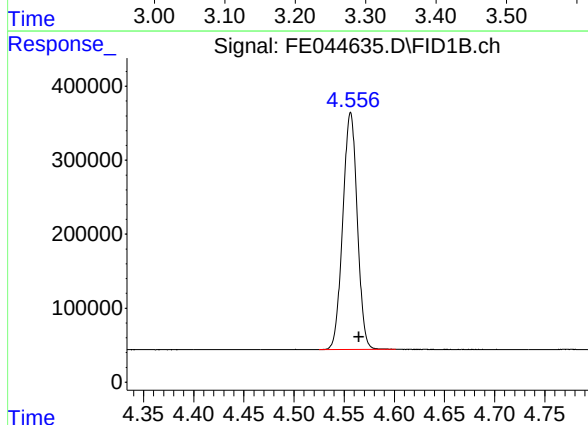
#1 n-Nonane (C9)

R.T.: 3.303 min
Delta R.T.: -0.011 min
Response: 3095015
Conc: 19.06 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

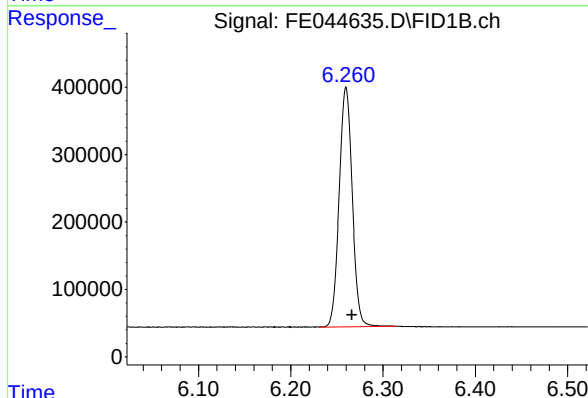
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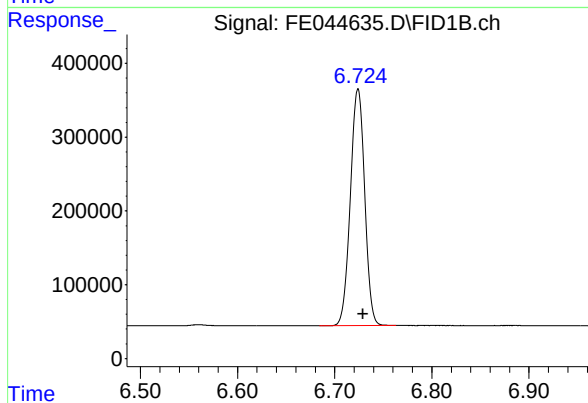
#2 n-Decane (C10)

R.T.: 4.556 min
Delta R.T.: -0.009 min
Response: 3220627
Conc: 19.45 ug/ml



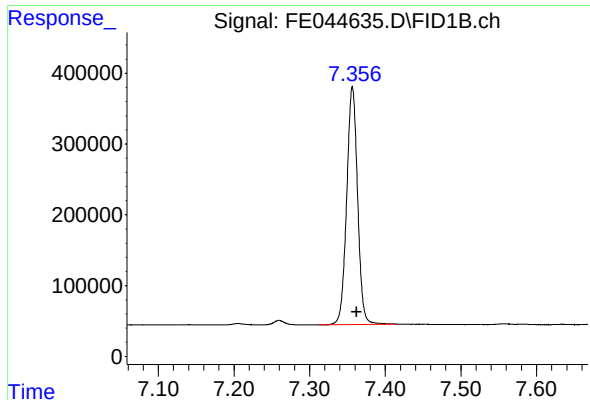
#3 A~Naphthalene (C11.7)

R.T.: 6.260 min
Delta R.T.: -0.007 min
Response: 3498094
Conc: 19.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.724 min
Delta R.T.: -0.005 min
Response: 3262994
Conc: 19.62 ug/ml



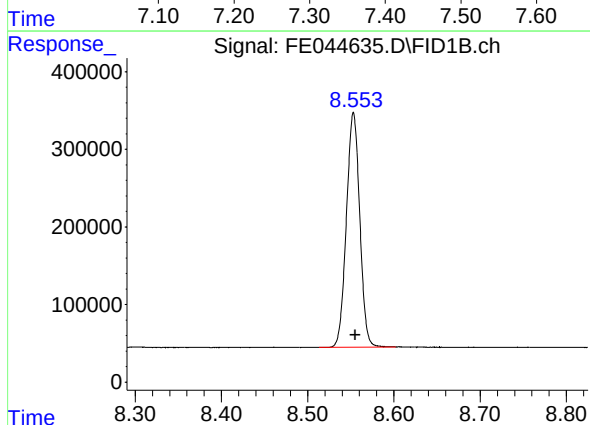
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.357 min
Delta R.T.: -0.005 min
Response: 3362350
Conc: 19.65 ug/ml

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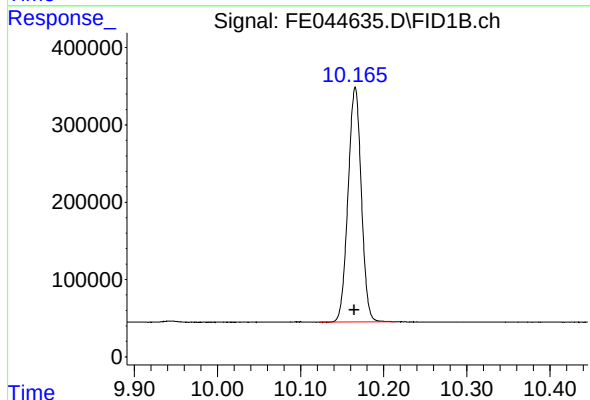
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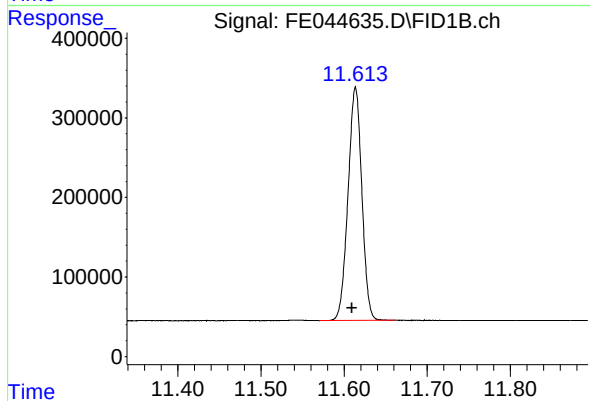
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.002 min
Response: 3253208
Conc: 19.82 ug/ml



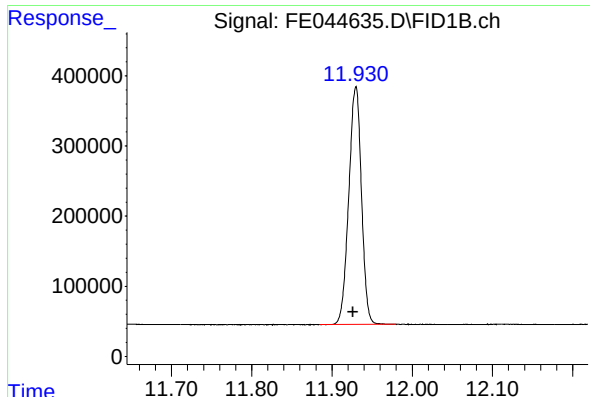
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: 0.001 min
Response: 3362252
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.614 min
Delta R.T.: 0.004 min
Response: 3384856
Conc: 19.94 ug/ml



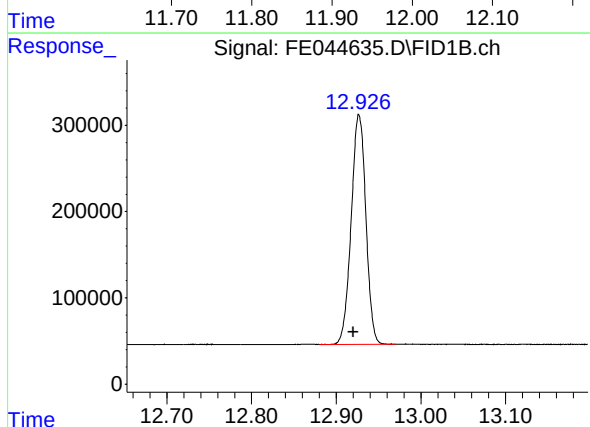
#9 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: 0.004 min
Response: 3725971
Conc: 19.85 ug/ml

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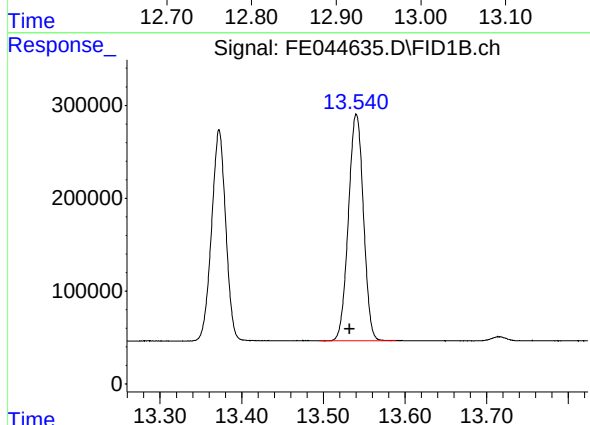
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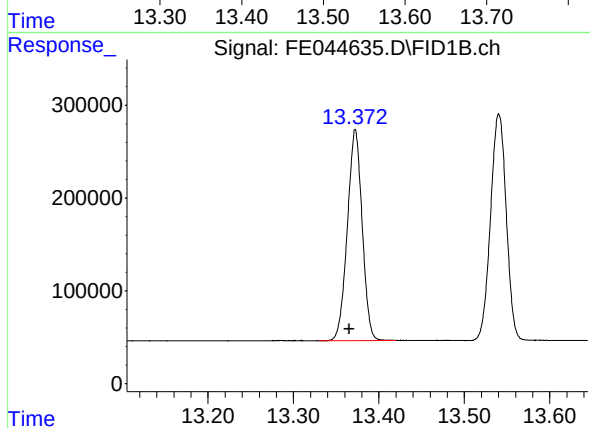
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: 0.007 min
Response: 3205255
Conc: 19.92 ug/ml



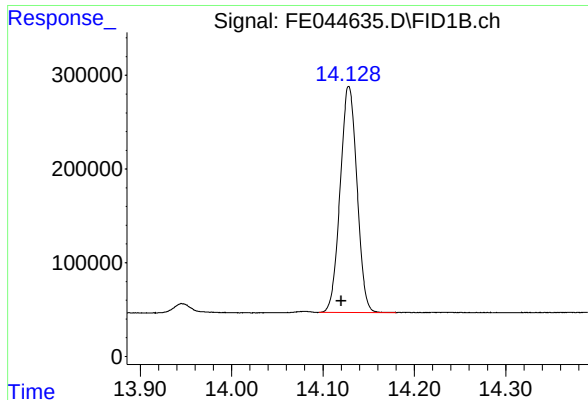
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: 0.008 min
Response: 3119017
Conc: 19.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.007 min
Response: 2734861
Conc: 20.10 ug/ml



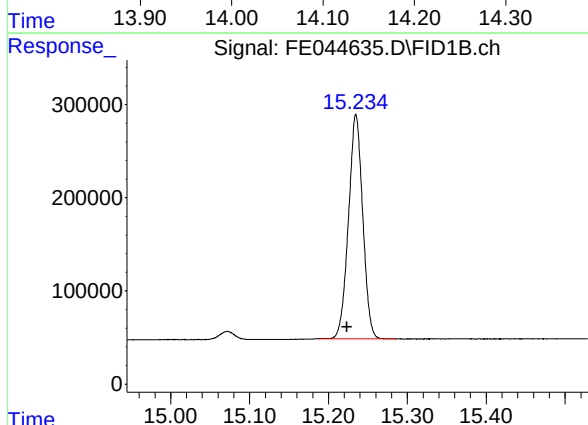
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: 0.009 min
Response: 3083315
Conc: 19.99 ug/ml

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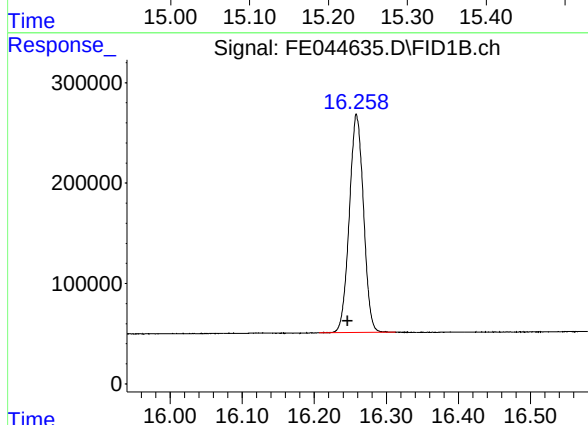
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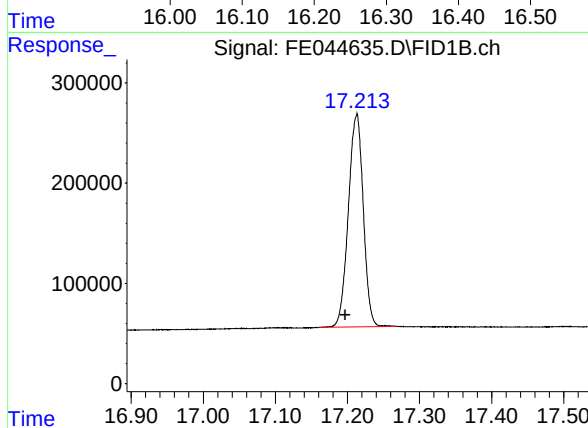
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: 0.012 min
Response: 3024468
Conc: 20.01 ug/ml



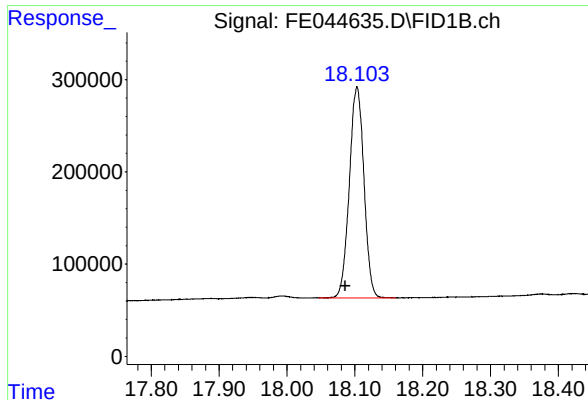
#15 n-Hexacosane (C26)

R.T.: 16.259 min
Delta R.T.: 0.013 min
Response: 2979267
Conc: 20.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: 0.016 min
Response: 3061902
Conc: 21.35 ug/ml



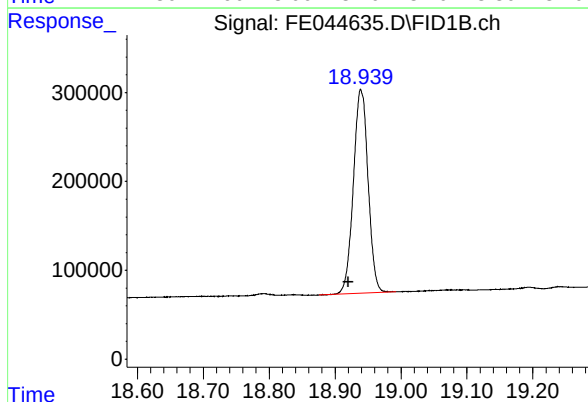
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: 0.017 min
Response: 3421154
Conc: 23.08 ug/ml

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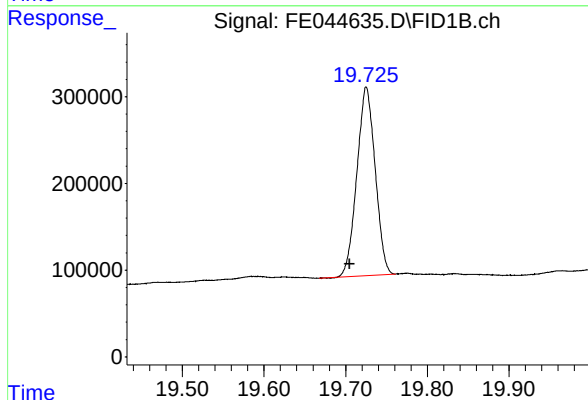
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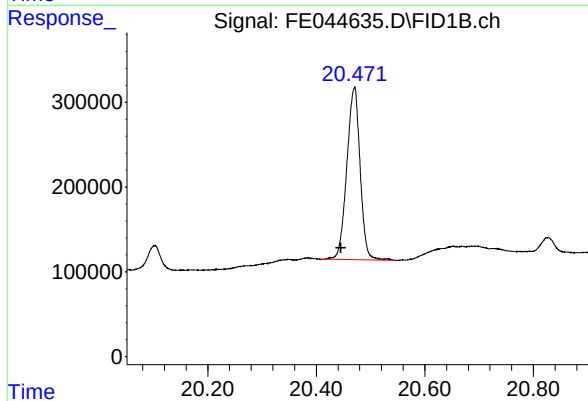
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: 0.019 min
Response: 3558448
Conc: 24.04 ug/ml



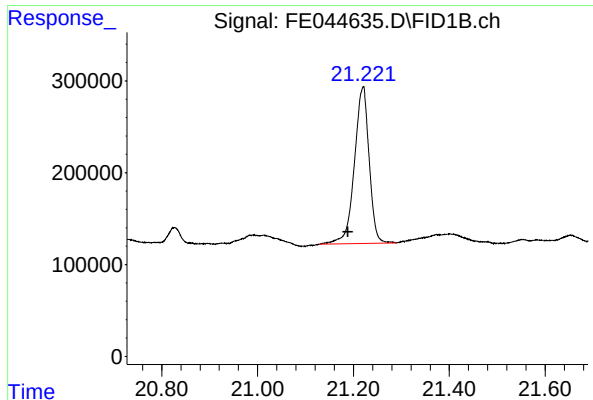
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.020 min
Response: 3378421
Conc: 23.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.470 min
Delta R.T.: 0.025 min
Response: 3468315
Conc: 23.91 ug/ml



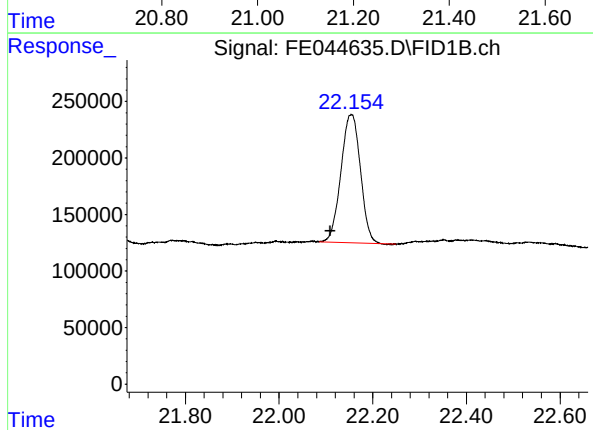
#21 n-Octatriacontane (C38)

R.T.: 21.221 min
Delta R.T.: 0.033 min
Response: 3668209
Conc: 24.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.155 min
Delta R.T.: 0.046 min
Response: 3277917
Conc: 20.77 ug/ml