

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090123AL\
 Data File : FE044111.D
 Signal(s) : FID1B.ch
 Acq On : 02 Sep 2023 03:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/05/2023
 Supervised By :Ankita Jodhani 09/05/2023

Integration File: autoint1.e
 Quant Time: Sep 02 05:07:01 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:40 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)	11.935	3655374	19.295 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
12) S 1-chlorooctadecane (S...	13.374	2750048	19.907 ug/ml
Spiked Amount 50.000		Recovery =	39.81%
Target Compounds			
1) T n-Nonane (C9)	3.324	3117783	19.112 ug/ml
2) T n-Decane (C10)	4.575	3160896	19.017 ug/ml
3) T A~Naphthalene (C11.7)	6.276	3415532	19.074 ug/ml
4) T n-Dodecane (C12)	6.739	3202217	19.041 ug/ml
5) T A~2-methylnaphthalene...	7.371	3323592	19.387 ug/ml
6) T n-Tetradecane (C14)	8.565	3168255	18.892 ug/ml
7) T n-Hexadecane (C16)	10.174	3209409	18.569 ug/ml
8) T n-Octadecane (C18)	11.619	3193148	18.344 ug/ml
10) T n-Eicosane (C20)	12.929	3069952	18.560 ug/ml
11) T n-Heneicosane (C21)	13.541	3009066	18.603 ug/ml
13) T n-Docosane (C22)	14.128	2956877	18.508 ug/ml
14) T n-Tetracosane (C24)	15.232	2878970	18.410 ug/ml
15) T n-Hexacosane (C26)	16.253	2784650	18.471 ug/ml
16) T n-Octacosane (C28)	17.205	2692723	18.659 ug/ml
17) T n-Tricontane (C30)	18.093	2704665	18.617 ug/ml
18) T n-Dotriacontane (C32)	18.926	2683989	18.842 ug/ml
19) T n-Tetratriacontane (C34)	19.711	2641836	18.878 ug/mlm
20) T n-Hexatriacontane (C36)	20.452	2694687	19.656 ug/mlm
21) T n-Octatriacontane (C38)	21.196	2787392	20.080 ug/ml
22) T n-Tetracontane (C40)	22.116	2860493	20.689 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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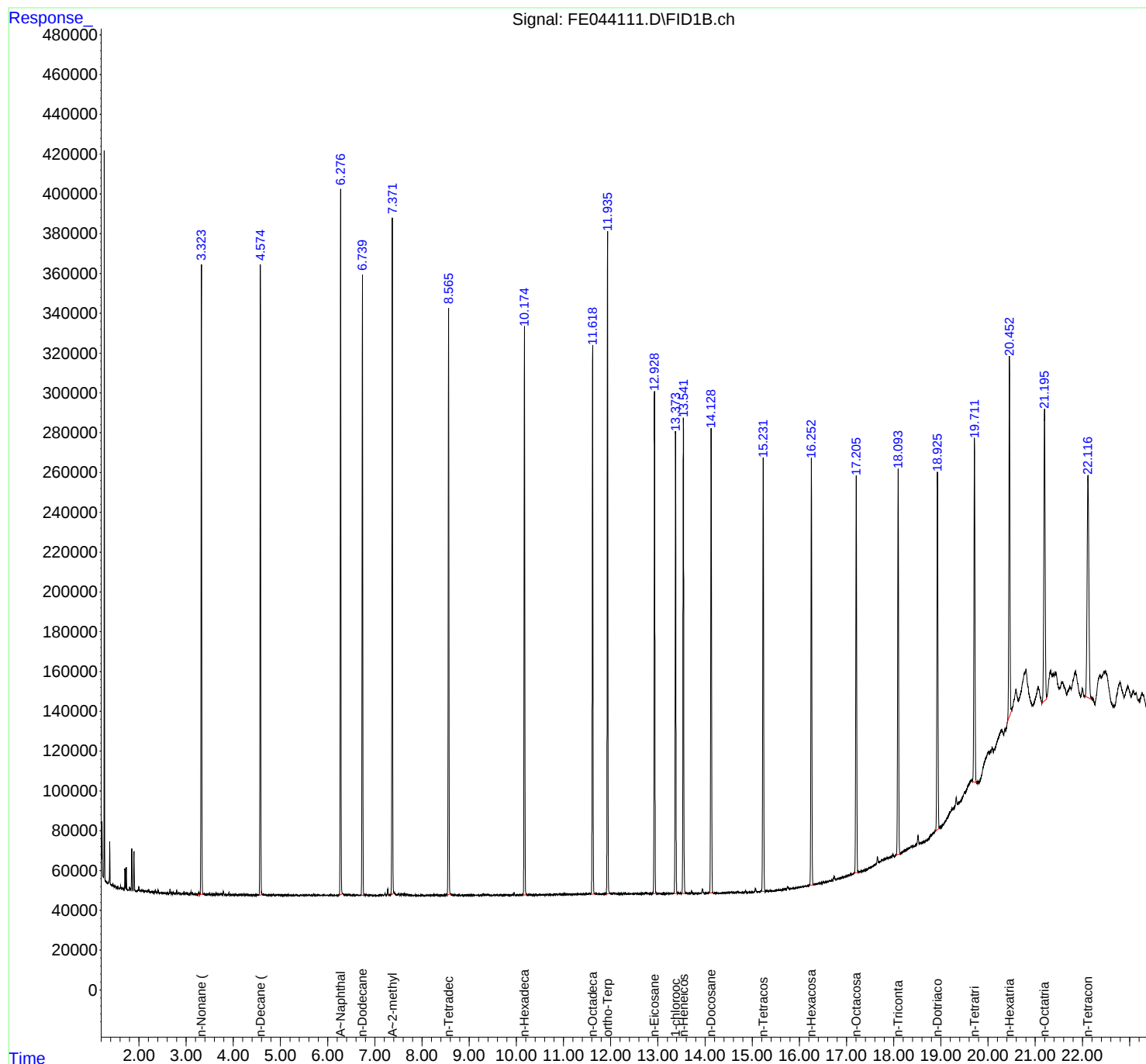
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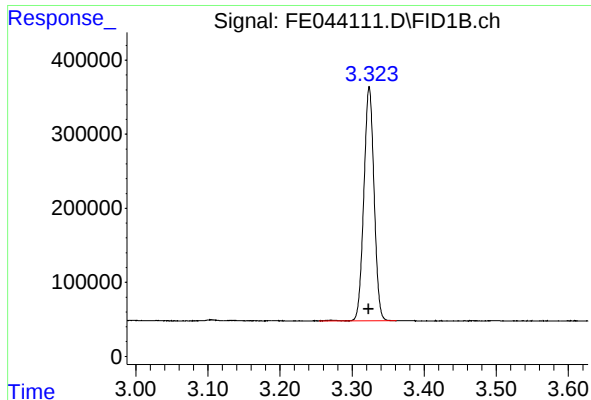
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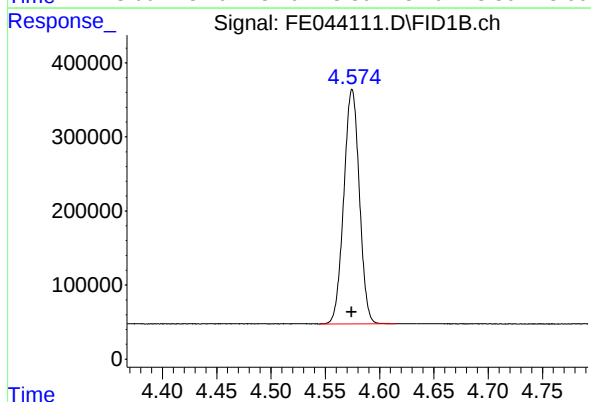
#1 n-Nonane (C9)

R.T.: 3.324 min
Delta R.T.: 0.000 min
Response: 3117783
Conc: 19.11 ug/ml

Instrument : FID_E
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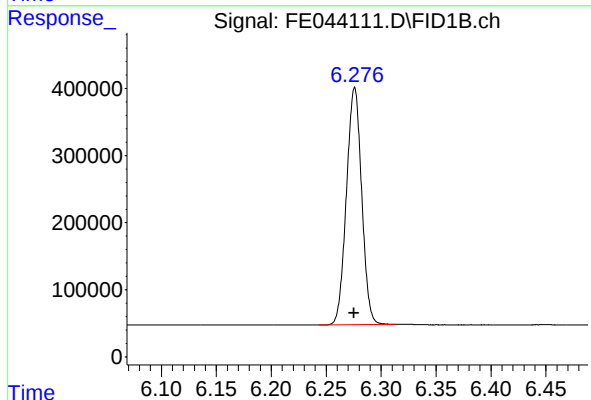
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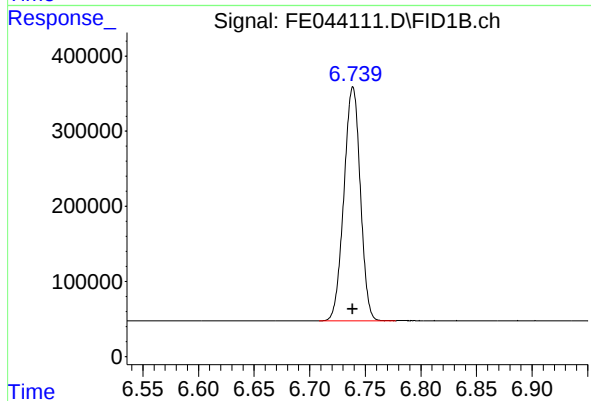
#2 n-Decane (C10)

R.T.: 4.575 min
Delta R.T.: 0.000 min
Response: 3160896
Conc: 19.02 ug/ml



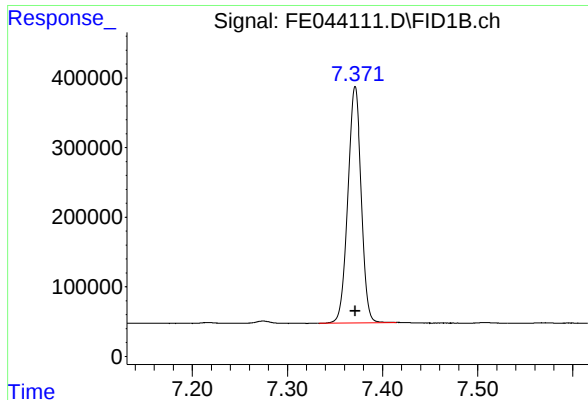
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 3415532
Conc: 19.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: 0.000 min
Response: 3202217
Conc: 19.04 ug/ml



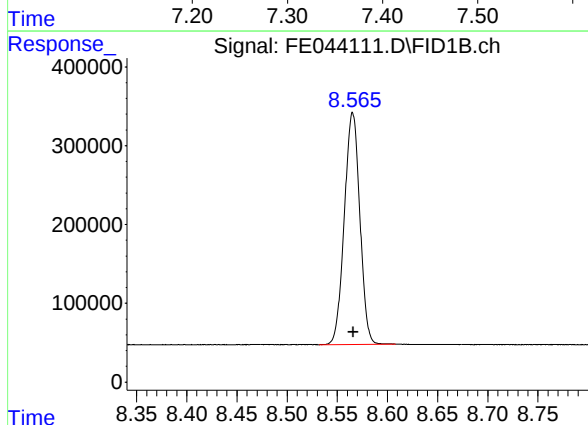
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.000 min
Response: 3323592
Conc: 19.39 ug/ml

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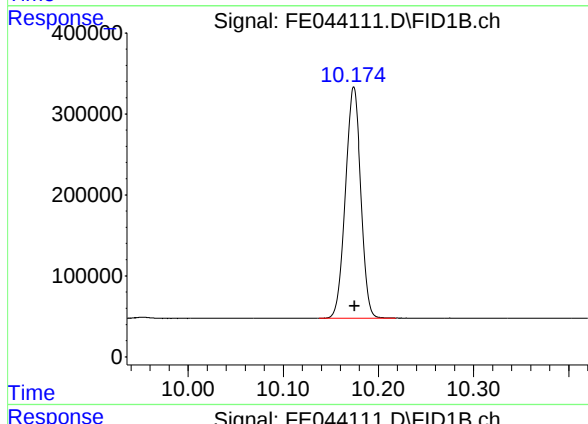
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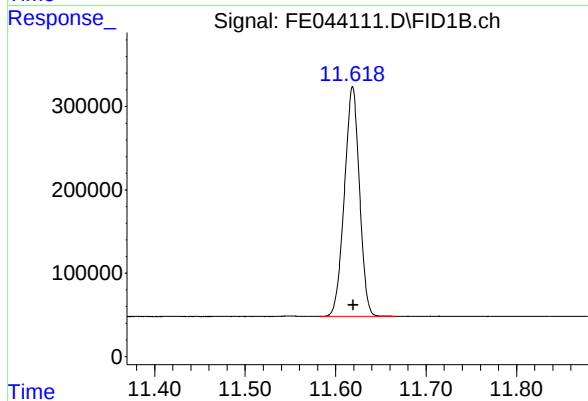
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.000 min
Response: 3168255
Conc: 18.89 ug/ml



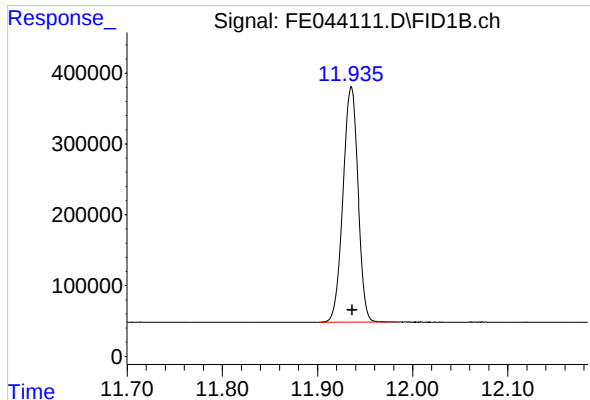
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.000 min
Response: 3209409
Conc: 18.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: 0.000 min
Response: 3193148
Conc: 18.34 ug/ml



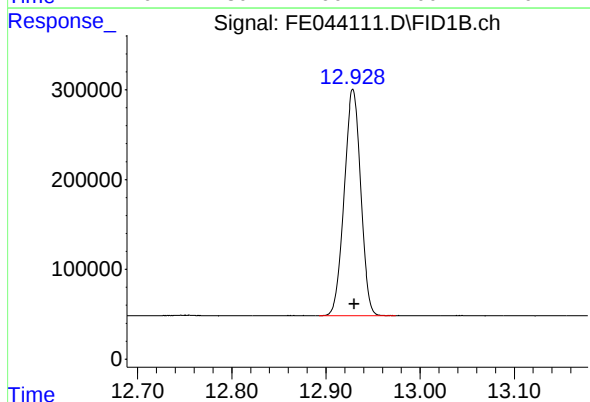
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: -0.001 min
Response: 3655374
Conc: 19.29 ug/ml

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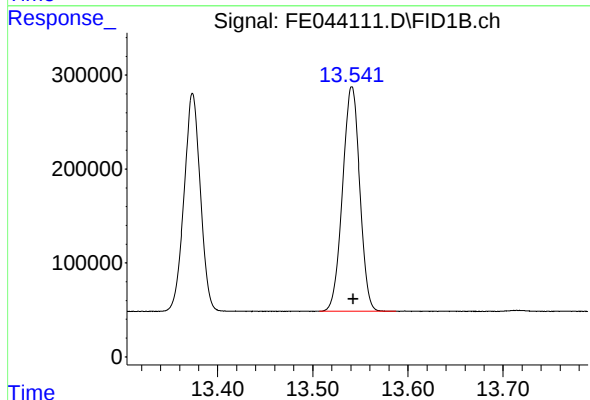
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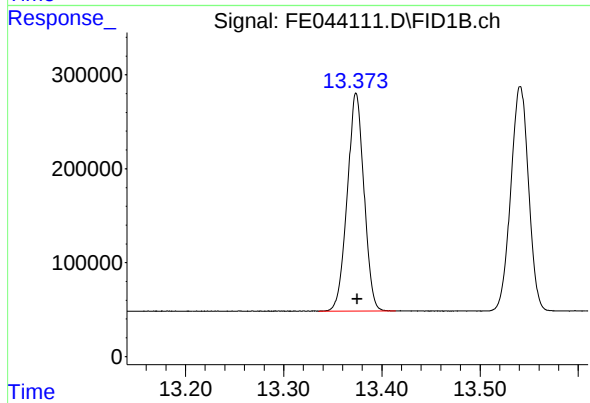
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.001 min
Response: 3069952
Conc: 18.56 ug/ml



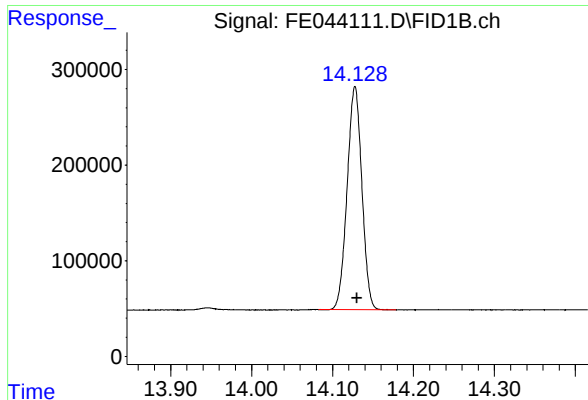
#11 n-Heneicosane (C21)

R.T.: 13.541 min
Delta R.T.: -0.002 min
Response: 3009066
Conc: 18.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: -0.001 min
Response: 2750048
Conc: 19.91 ug/ml



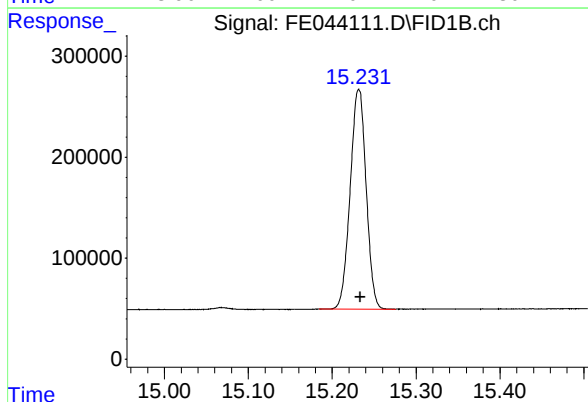
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.002 min
Response: 2956877
Conc: 18.51 ug/ml

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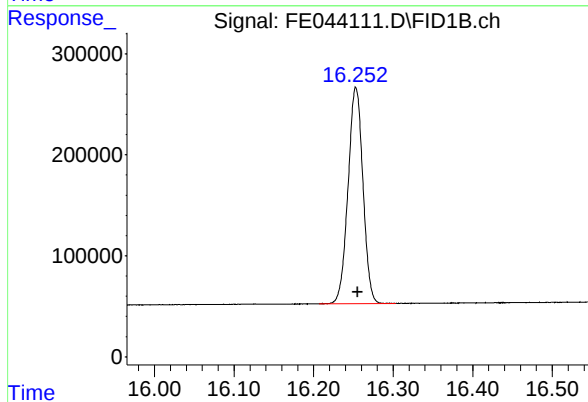
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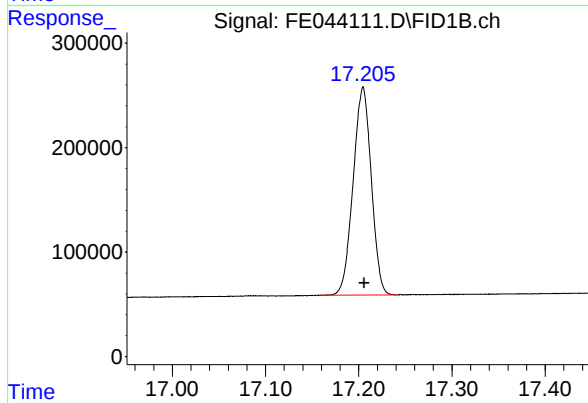
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: -0.002 min
Response: 2878970
Conc: 18.41 ug/ml



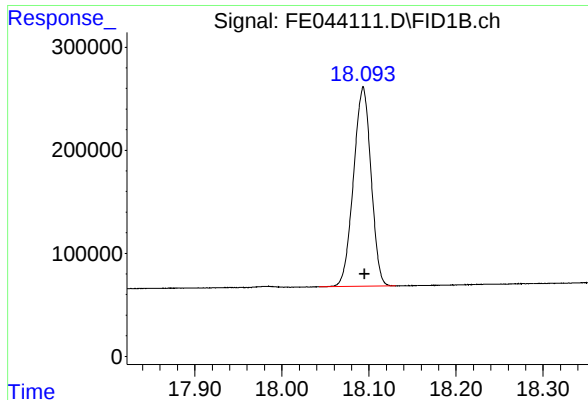
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.002 min
Response: 2784650
Conc: 18.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: -0.001 min
Response: 2692723
Conc: 18.66 ug/ml



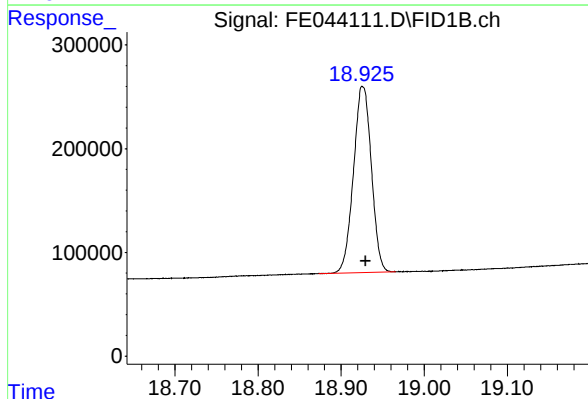
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.001 min
Response: 2704665
Conc: 18.62 ug/ml

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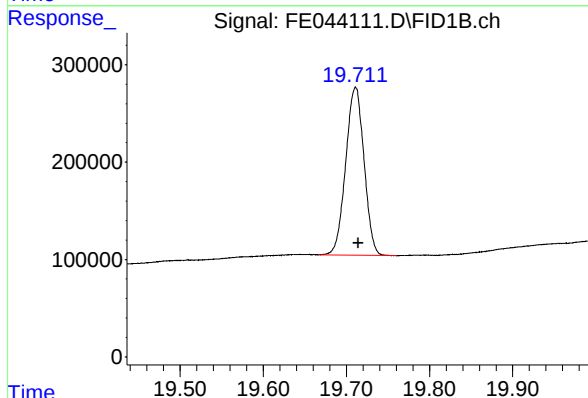
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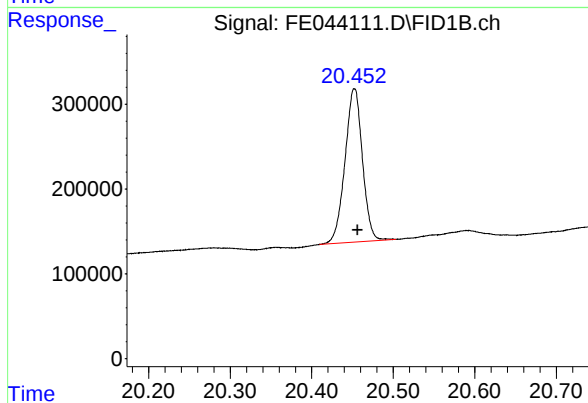
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.004 min
Response: 2683989
Conc: 18.84 ug/ml



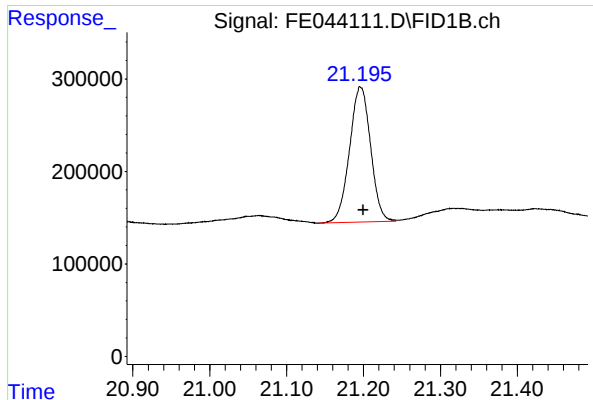
#19 n-Tetatriacontane (C34)

R.T.: 19.711 min
Delta R.T.: -0.004 min
Response: 2641836
Conc: 18.88 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.005 min
Response: 2694687
Conc: 19.66 ug/ml m



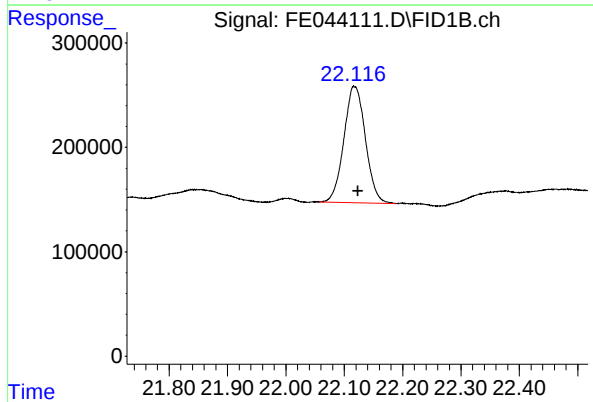
#21 n-Octatriacontane (C38)

R.T.: 21.196 min
Delta R.T.: -0.004 min
Response: 2787392
Conc: 20.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.116 min
Delta R.T.: -0.008 min
Response: 2860493
Conc: 20.69 ug/ml m