

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021324AL\
 Data File : FE046749.D
 Signal(s) : FID1B.ch
 Acq On : 13 Feb 2024 15:20
 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 02/14/2024
 Supervised By :Ankita Jodhani 02/14/2024

Integration File: sample.E
 Quant Time: Feb 13 23:10:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 25 14:56:03 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)	11.809	3330176	18.010 ug/ml
Spiked Amount 50.000		Recovery =	36.02%
12) S 1-chlorooctadecane (S...	13.250	2519406	17.708 ug/ml
Spiked Amount 50.000		Recovery =	35.42%
Target Compounds			
1) T n-Nonane (C9)	3.196	3149337	19.497 ug/mlm
2) T n-Decane (C10)	4.447	3281694	20.024 ug/ml
3) T A~Naphthalene (C11.7)	6.153	3340820	19.537 ug/ml
4) T n-Dodecane (C12)	6.615	3299581	19.948 ug/ml
5) T A~2-methylnaphthalene...	7.249	3156259	19.790 ug/ml
6) T n-Tetradecane (C14)	8.442	3230891	19.713 ug/ml
7) T n-Hexadecane (C16)	10.051	3273300	19.156 ug/ml
8) T n-Octadecane (C18)	11.495	3258761	18.692 ug/ml
10) T n-Eicosane (C20)	12.805	3071124	18.088 ug/ml
11) T n-Heneicosane (C21)	13.418	2976374	17.845 ug/ml
13) T n-Docosane (C22)	14.004	2972140	17.940 ug/ml
14) T n-Tetracosane (C24)	15.109	2997783	18.168 ug/ml
15) T n-Hexacosane (C26)	16.131	2962561	18.355 ug/ml
16) T n-Octacosane (C28)	17.082	2975193	18.953 ug/ml
17) T n-Tricontane (C30)	17.971	3104672	19.821 ug/ml
18) T n-Dotriacontane (C32)	18.806	3037259	20.093 ug/ml
19) T n-Tetratriacontane (C34)	19.591	2915776	20.557 ug/mlm
20) T n-Hexatriacontane (C36)	20.333	2799733	20.311 ug/mlm
21) T n-Octatriacontane (C38)	21.058	2797248	21.820 ug/ml
22) T n-Tetracontane (C40)	21.940	2846834	22.768 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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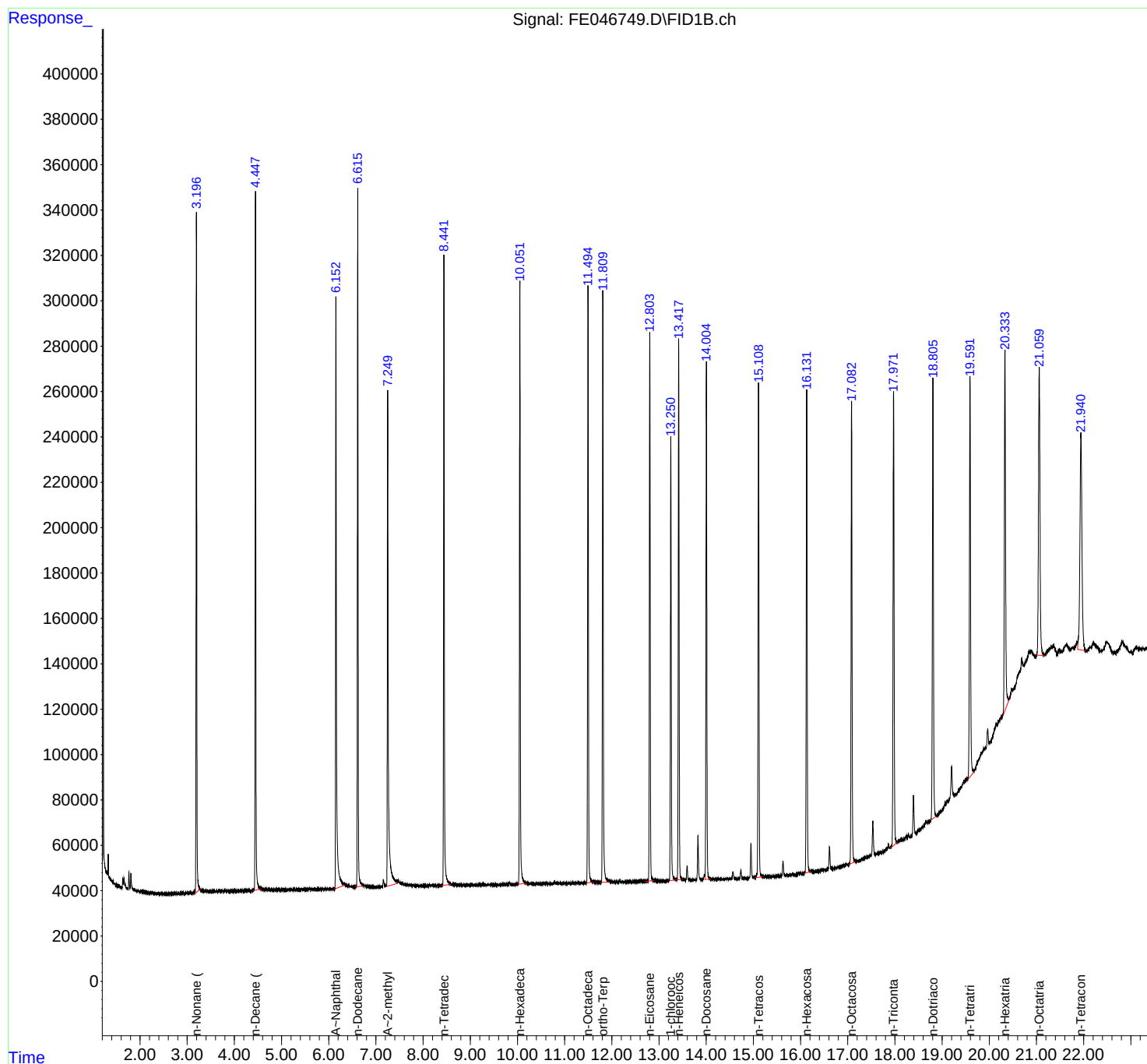
Instrument :
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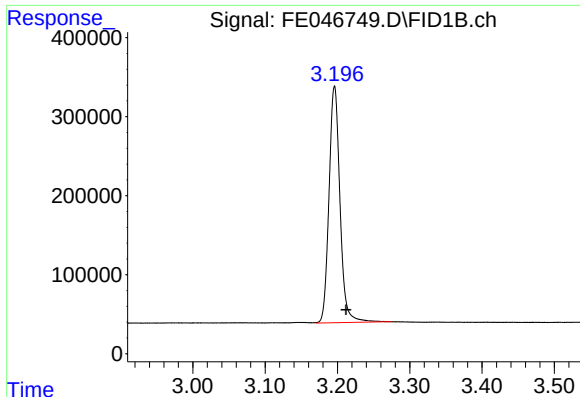
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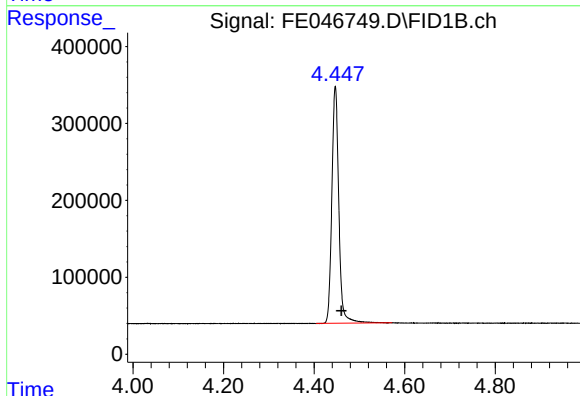
#1 n-Nonane (C9)

R.T.: 3.196 min
Delta R.T.: -0.016 min
Response: 3149337
Conc: 19.50 ug/ml

Instrument :
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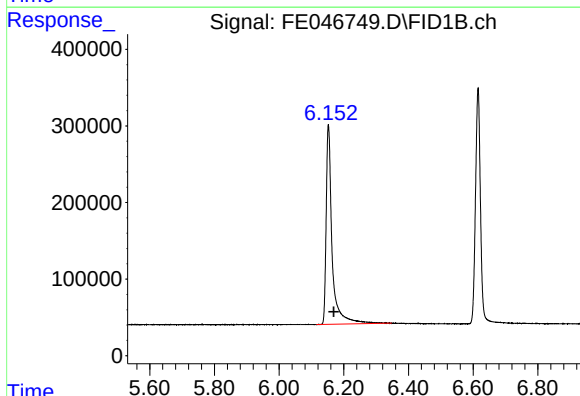
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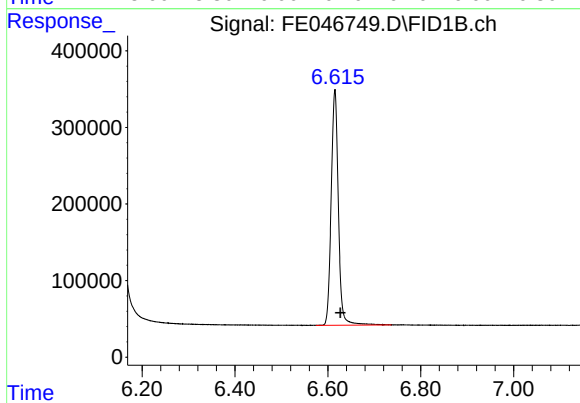
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.014 min
Response: 3281694
Conc: 20.02 ug/ml



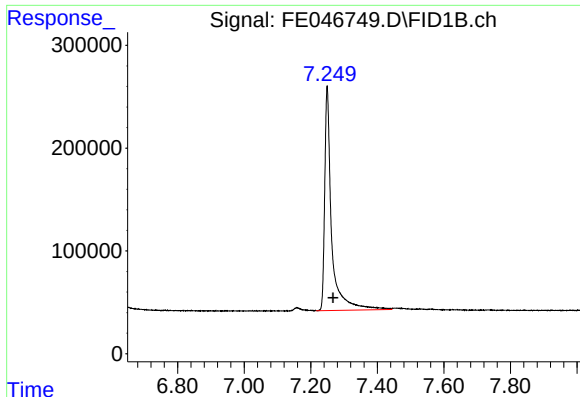
#3 A~Naphthalene (C11.7)

R.T.: 6.153 min
Delta R.T.: -0.016 min
Response: 3340820
Conc: 19.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.615 min
Delta R.T.: -0.011 min
Response: 3299581
Conc: 19.95 ug/ml



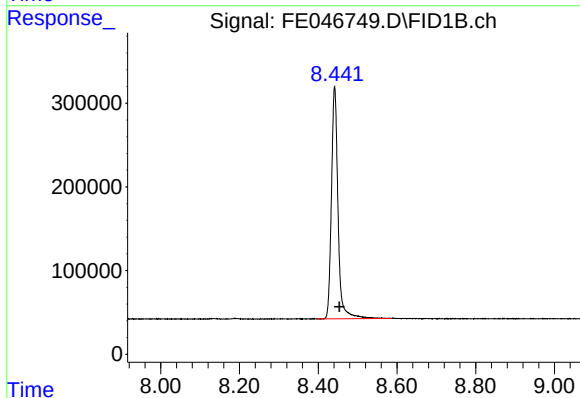
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.249 min
Delta R.T.: -0.018 min
Response: 3156259
Conc: 19.79 ug/ml

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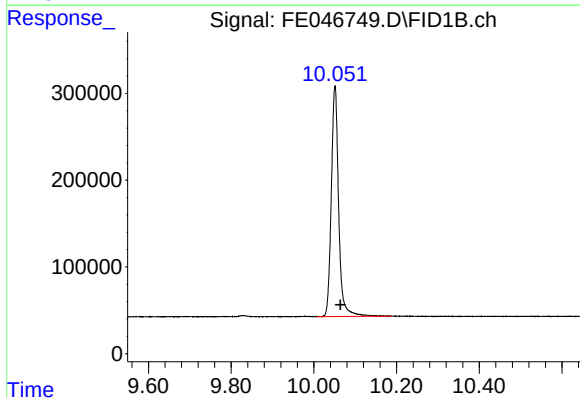
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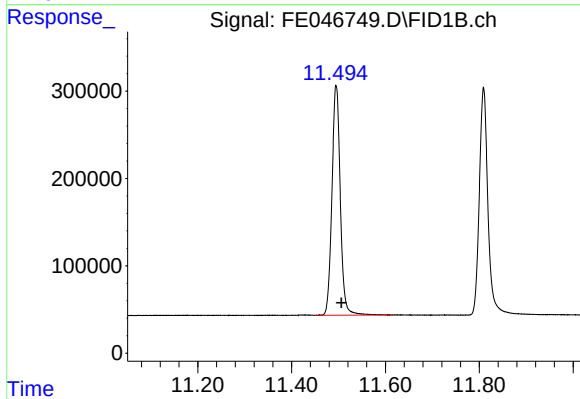
#6 n-Tetradecane (C14)

R.T.: 8.442 min
Delta R.T.: -0.012 min
Response: 3230891
Conc: 19.71 ug/ml



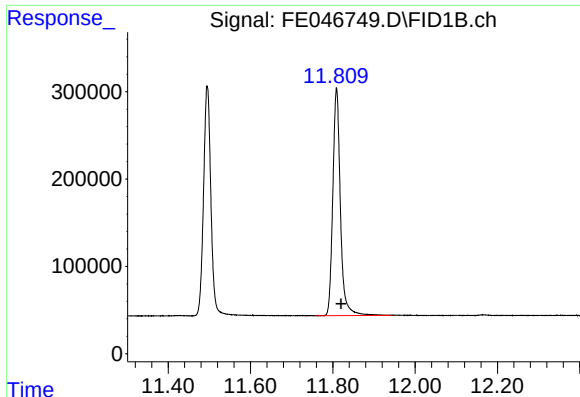
#7 n-Hexadecane (C16)

R.T.: 10.051 min
Delta R.T.: -0.013 min
Response: 3273300
Conc: 19.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.495 min
Delta R.T.: -0.011 min
Response: 3258761
Conc: 18.69 ug/ml



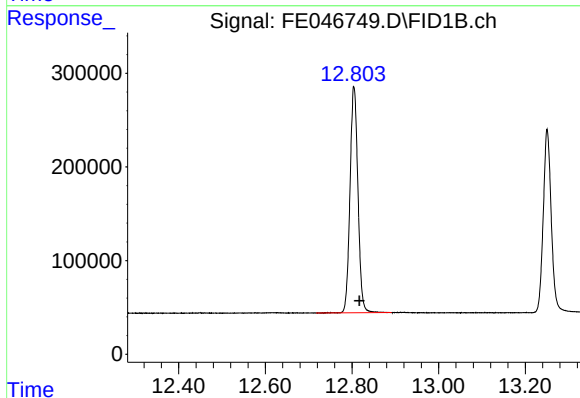
#9 ortho-Terphenyl (SURR)

R.T.: 11.809 min
Delta R.T.: -0.011 min
Response: 3330176
Conc: 18.01 ug/ml

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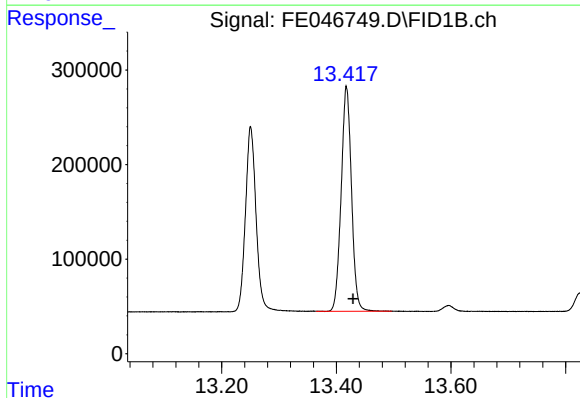
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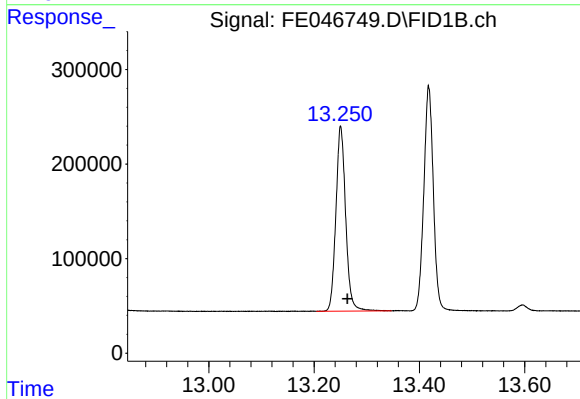
#10 n-Eicosane (C20)

R.T.: 12.805 min
Delta R.T.: -0.012 min
Response: 3071124
Conc: 18.09 ug/ml



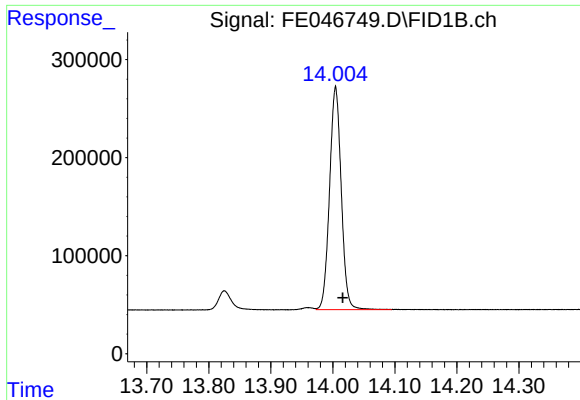
#11 n-Heneicosane (C21)

R.T.: 13.418 min
Delta R.T.: -0.012 min
Response: 2976374
Conc: 17.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.250 min
Delta R.T.: -0.013 min
Response: 2519406
Conc: 17.71 ug/ml



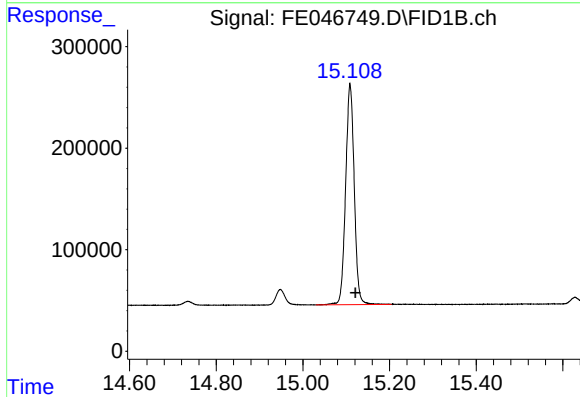
#13 n-Docosane (C22)

R.T.: 14.004 min
Delta R.T.: -0.012 min
Response: 2972140
Conc: 17.94 ug/ml

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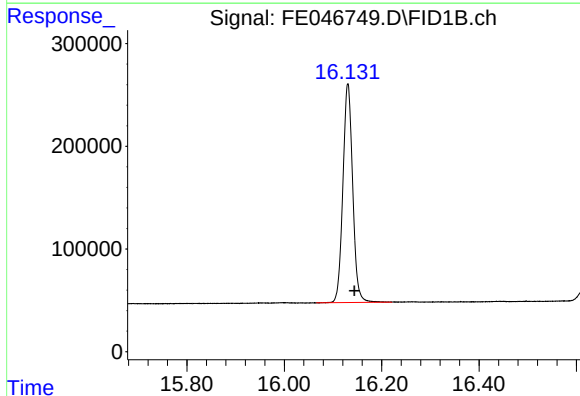
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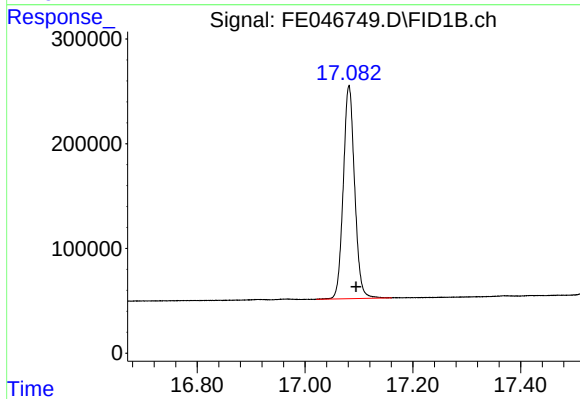
#14 n-Tetracosane (C24)

R.T.: 15.109 min
Delta R.T.: -0.012 min
Response: 2997783
Conc: 18.17 ug/ml



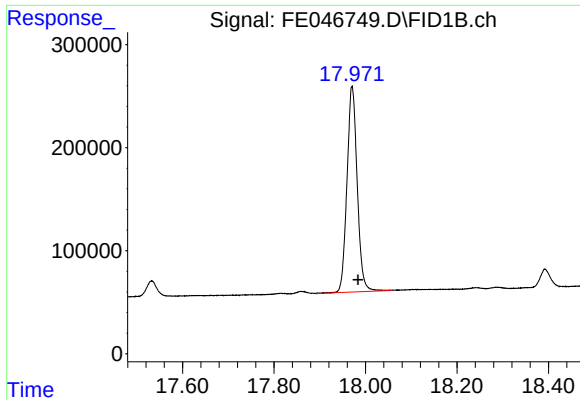
#15 n-Hexacosane (C26)

R.T.: 16.131 min
Delta R.T.: -0.013 min
Response: 2962561
Conc: 18.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.082 min
Delta R.T.: -0.013 min
Response: 2975193
Conc: 18.95 ug/ml



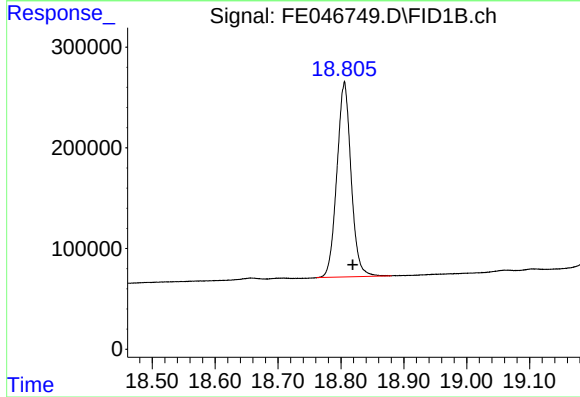
#17 n-Tricontane (C30)

R.T.: 17.971 min
Delta R.T.: -0.013 min
Response: 3104672
Conc: 19.82 ug/ml

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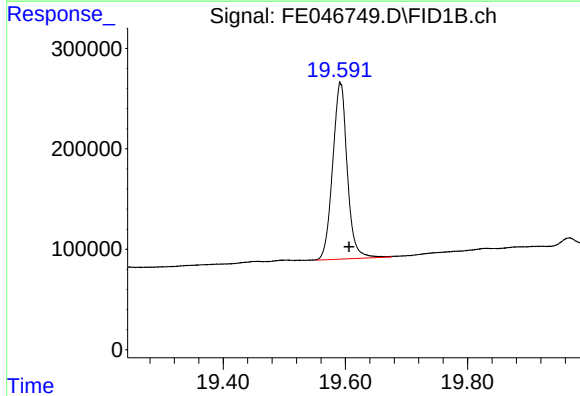
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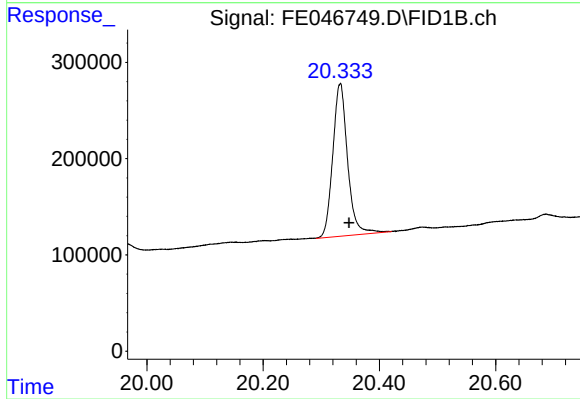
#18 n-Dotriacontane (C32)

R.T.: 18.806 min
Delta R.T.: -0.013 min
Response: 3037259
Conc: 20.09 ug/ml



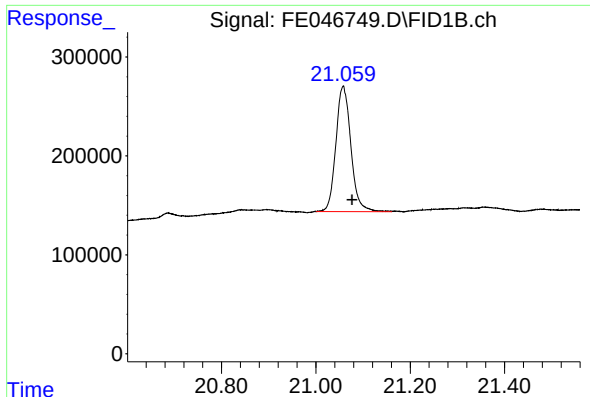
#19 n-Tetratriacontane (C34)

R.T.: 19.591 min
Delta R.T.: -0.015 min
Response: 2915776
Conc: 20.56 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.333 min
Delta R.T.: -0.015 min
Response: 2799733
Conc: 20.31 ug/ml m



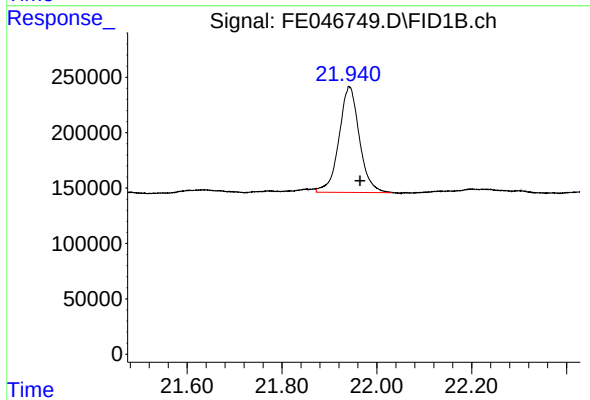
#21 n-Octatriacontane (C38)

R.T.: 21.058 min
Delta R.T.: -0.018 min
Response: 2797248
Conc: 21.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.940 min
Delta R.T.: -0.025 min
Response: 2846834
Conc: 22.77 ug/ml m