

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121323AL\
 Data File : FE045805.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2023 13:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :Ankita Jodhani 12/14/2023

Integration File: autoint1.e
 Quant Time: Dec 13 21:16:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 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)	11.842	3858566	18.452 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.284	2851956	18.125 ug/ml
Spiked Amount 50.000		Recovery =	36.25%
Target Compounds			
1) T n-Nonane (C9)	3.233	3177157	20.036 ug/ml
2) T n-Decane (C10)	4.484	3252982	20.314 ug/ml
3) T A~Naphthalene (C11.7)	6.183	3516659	20.188 ug/ml
4) T n-Dodecane (C12)	6.650	3277434	20.290 ug/ml
5) T A~2-methylnaphthalene...	7.279	3406344	20.059 ug/ml
6) T n-Tetradecane (C14)	8.477	3254208	20.285 ug/ml
7) T n-Hexadecane (C16)	10.086	3311637	19.999 ug/ml
8) T n-Octadecane (C18)	11.530	3310866	19.311 ug/ml
10) T n-Eicosane (C20)	12.840	3195392	18.468 ug/ml
11) T n-Heneicosane (C21)	13.452	3121316	18.144 ug/ml
13) T n-Docosane (C22)	14.039	3106055	18.014 ug/ml
14) T n-Tetracosane (C24)	15.144	3111893	17.825 ug/ml
15) T n-Hexacosane (C26)	16.167	3057496	17.556 ug/ml
16) T n-Octacosane (C28)	17.119	3112848	18.011 ug/ml
17) T n-Tricontane (C30)	18.007	3245419	18.551 ug/ml
18) T n-Dotriacontane (C32)	18.842	3274616	17.949 ug/ml
19) T n-Tetratriacontane (C34)	19.628	3106711	18.723 ug/mlm
20) T n-Hexatriacontane (C36)	20.369	2994124	18.862 ug/mlm
21) T n-Octatriacontane (C38)	21.101	2944433	18.776 ug/mlm
22) T n-Tetracontane (C40)	21.999	3170497	22.309 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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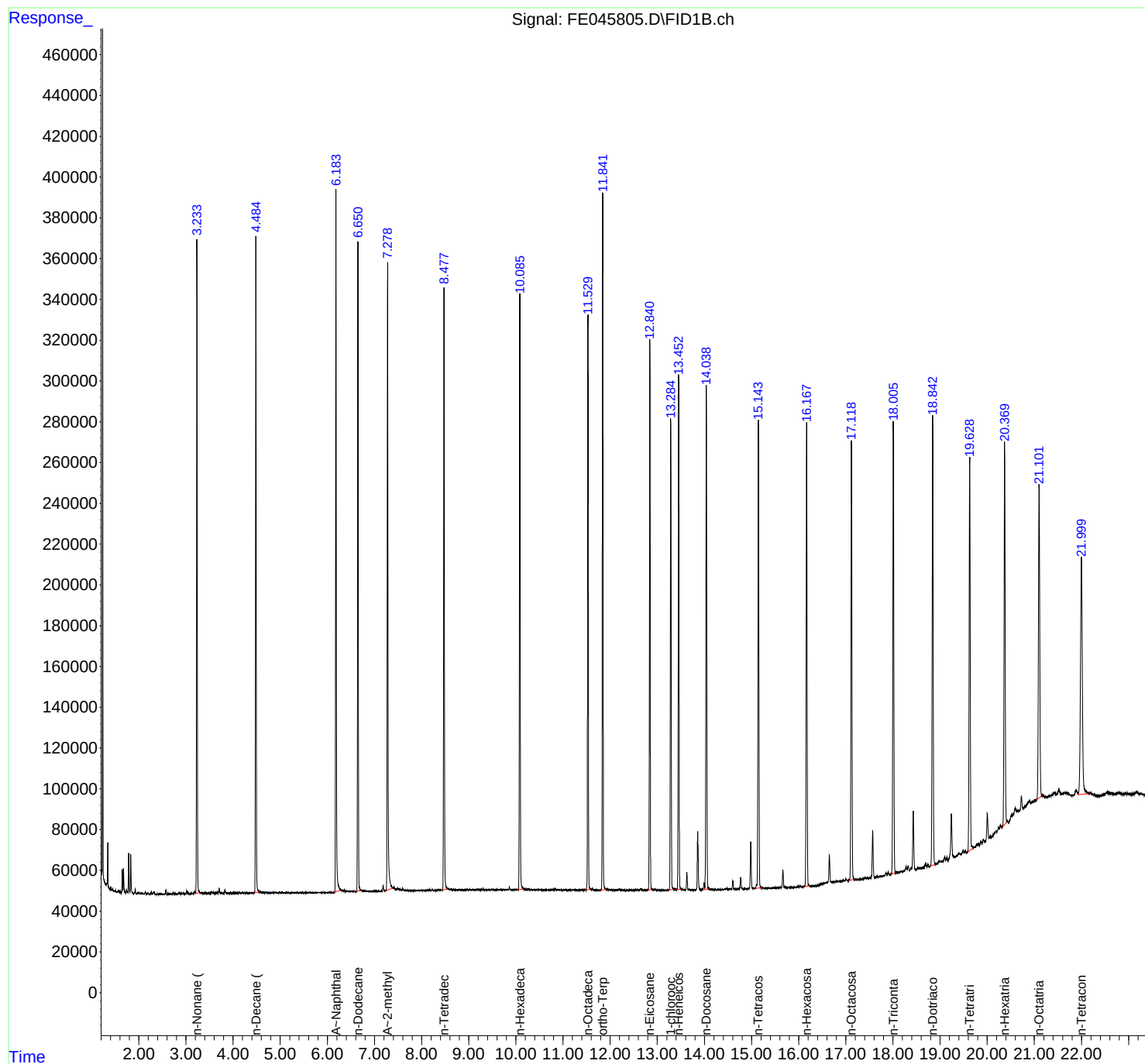
Instrument :
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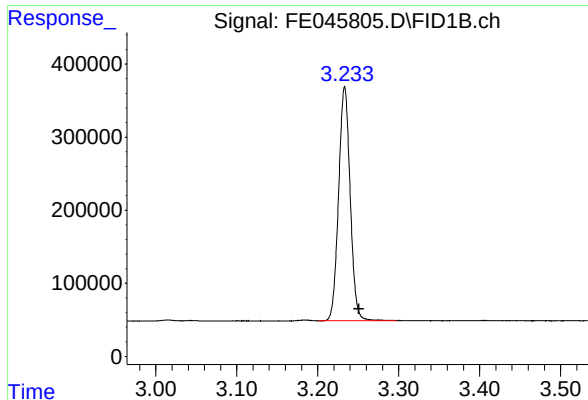
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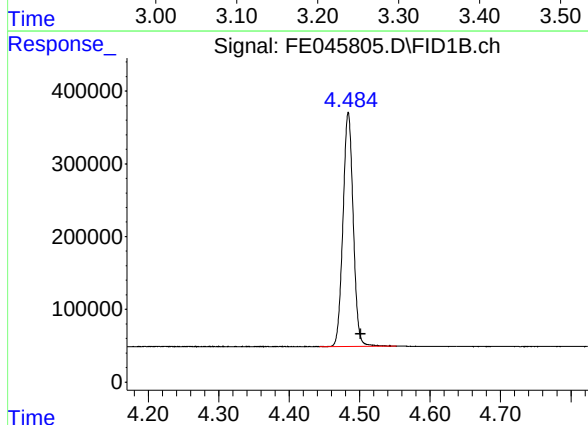
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.018 min
Response: 3177157
Conc: 20.04 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

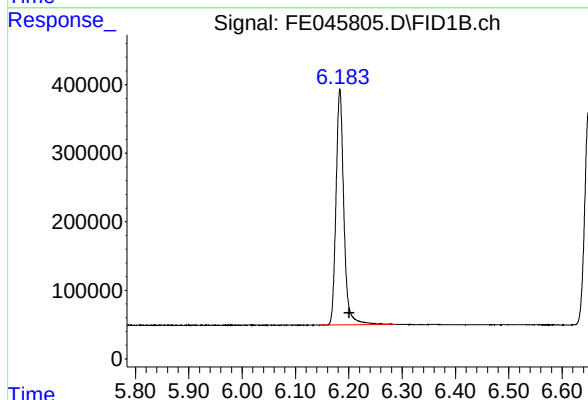
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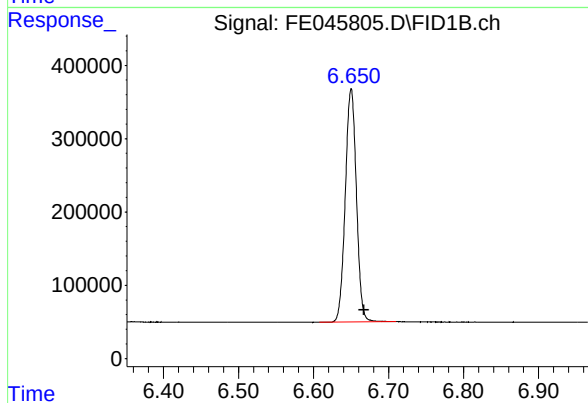
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.017 min
Response: 3252982
Conc: 20.31 ug/ml



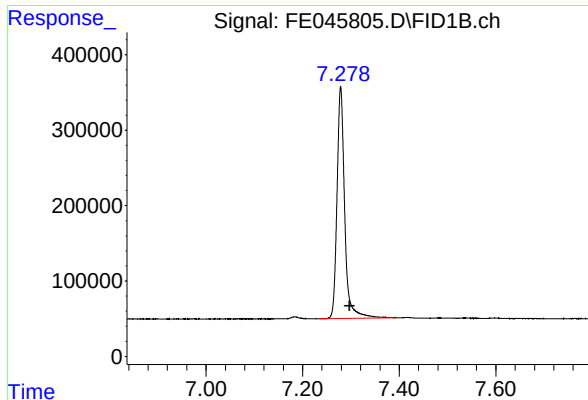
#3 A~Naphthalene (C11.7)

R.T.: 6.183 min
Delta R.T.: -0.018 min
Response: 3516659
Conc: 20.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.017 min
Response: 3277434
Conc: 20.29 ug/ml



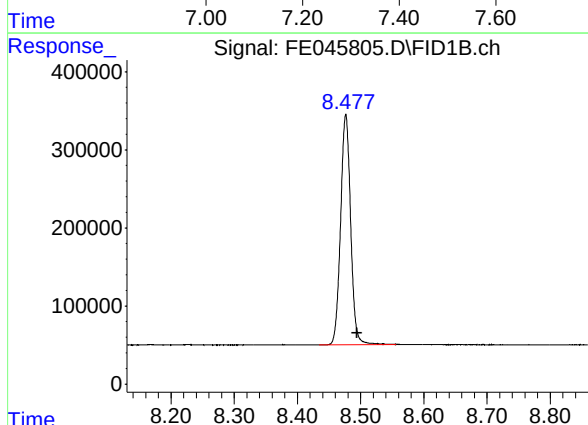
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.279 min
Delta R.T.: -0.019 min
Response: 3406344
Conc: 20.06 ug/ml

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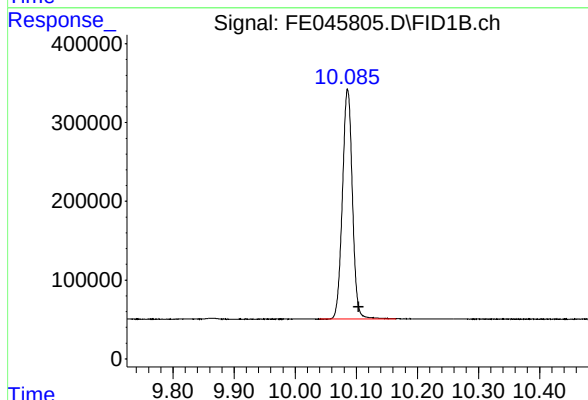
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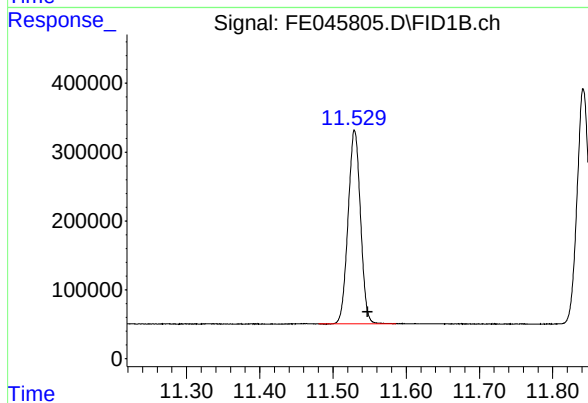
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: -0.018 min
Response: 3254208
Conc: 20.29 ug/ml



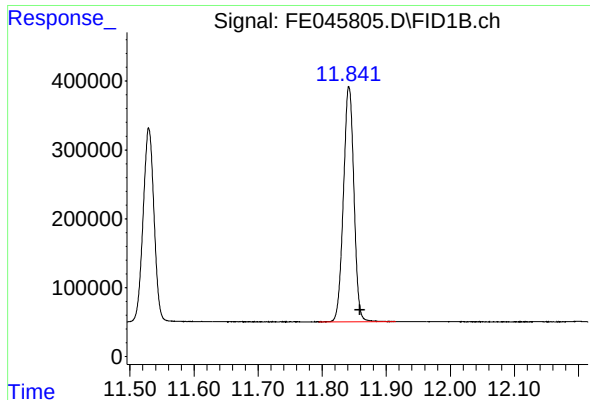
#7 n-Hexadecane (C16)

R.T.: 10.086 min
Delta R.T.: -0.018 min
Response: 3311637
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.530 min
Delta R.T.: -0.018 min
Response: 3310866
Conc: 19.31 ug/ml



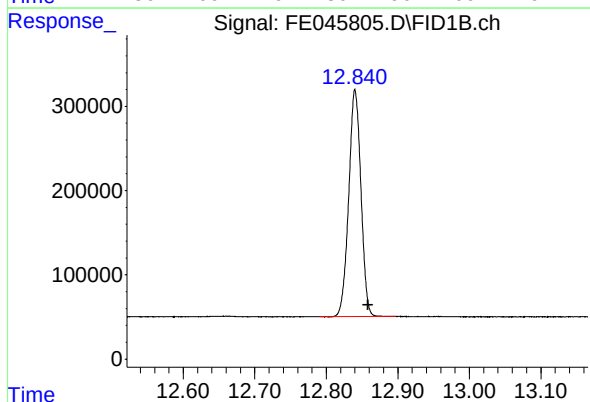
#9 ortho-Terphenyl (SURR)

R.T.: 11.842 min
Delta R.T.: -0.017 min
Response: 3858566
Conc: 18.45 ug/ml

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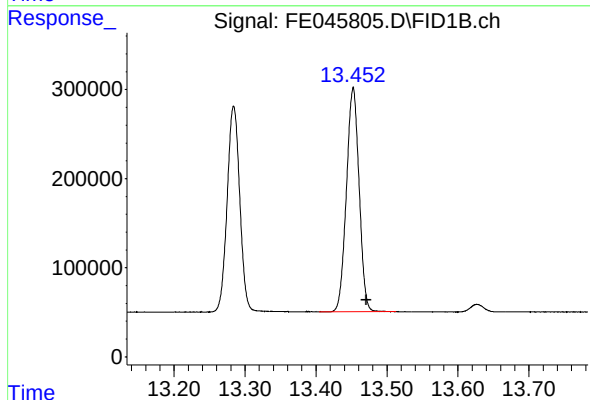
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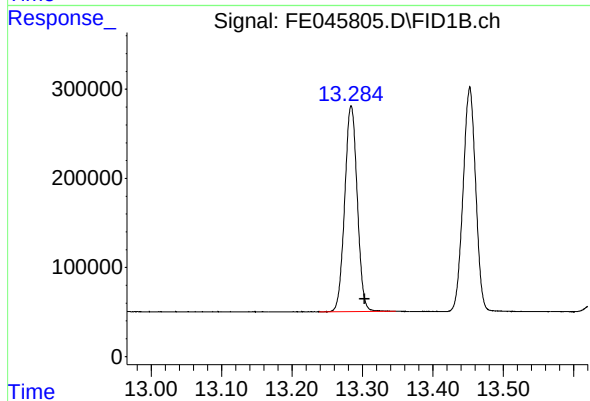
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.018 min
Response: 3195392
Conc: 18.47 ug/ml



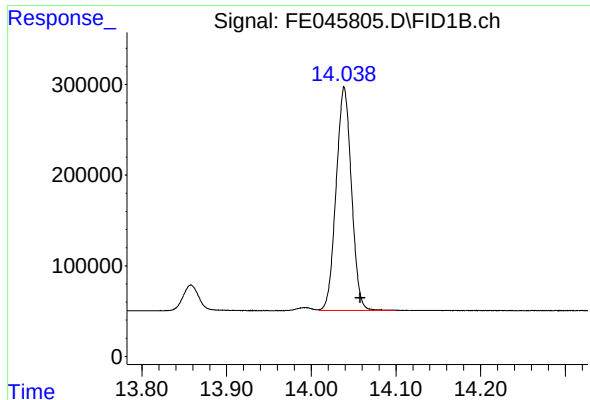
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.019 min
Response: 3121316
Conc: 18.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.284 min
Delta R.T.: -0.019 min
Response: 2851956
Conc: 18.13 ug/ml



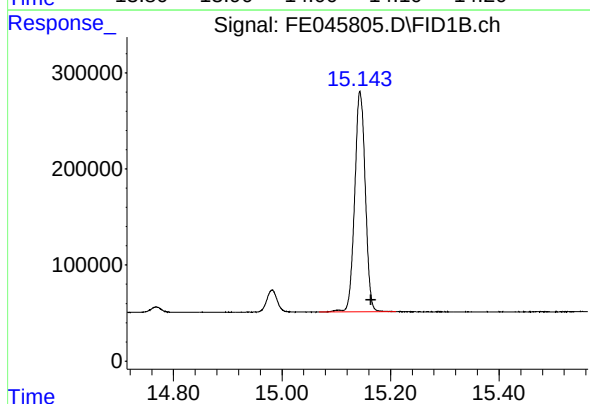
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.019 min
Response: 3106055
Conc: 18.01 ug/ml

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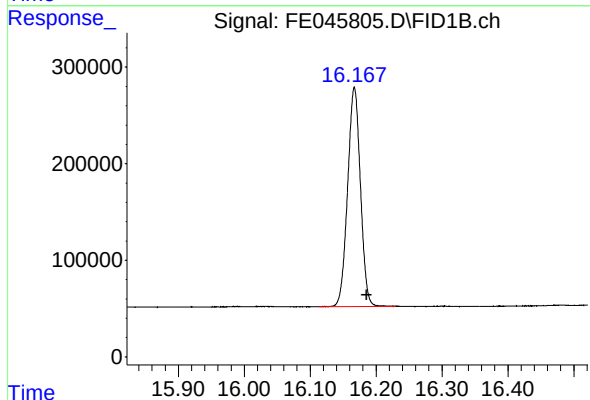
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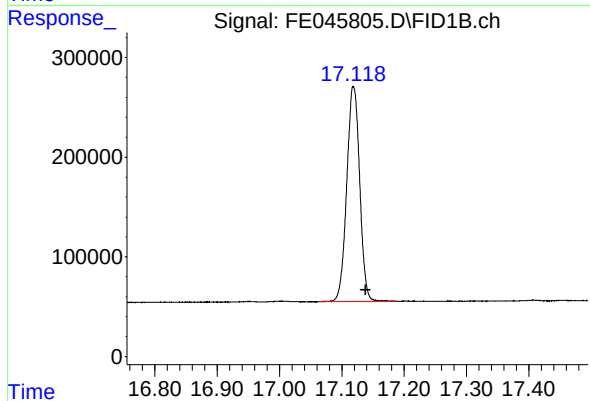
#14 n-Tetracosane (C24)

R.T.: 15.144 min
Delta R.T.: -0.020 min
Response: 3111893
Conc: 17.83 ug/ml



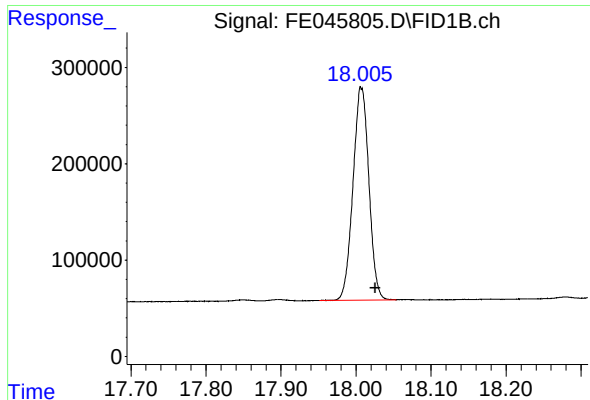
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.019 min
Response: 3057496
Conc: 17.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.020 min
Response: 3112848
Conc: 18.01 ug/ml



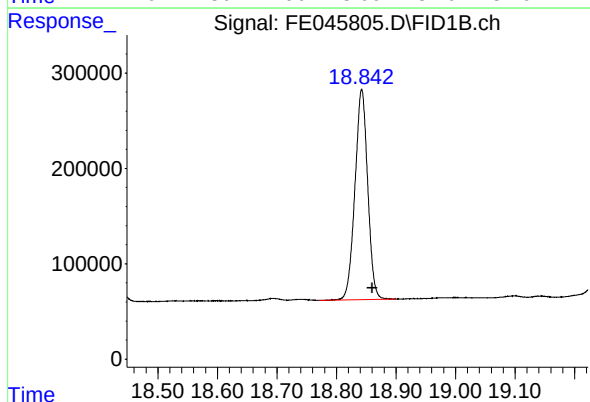
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.019 min
Response: 3245419
Conc: 18.55 ug/ml

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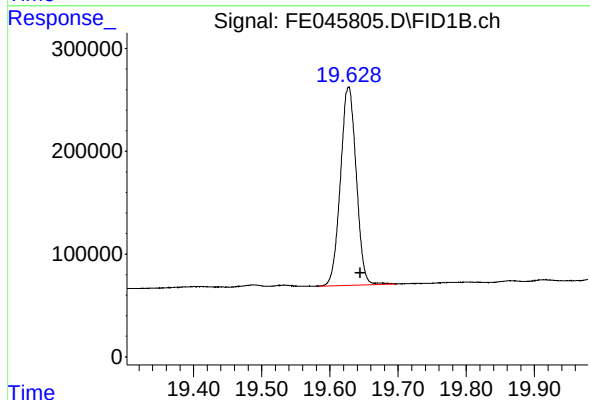
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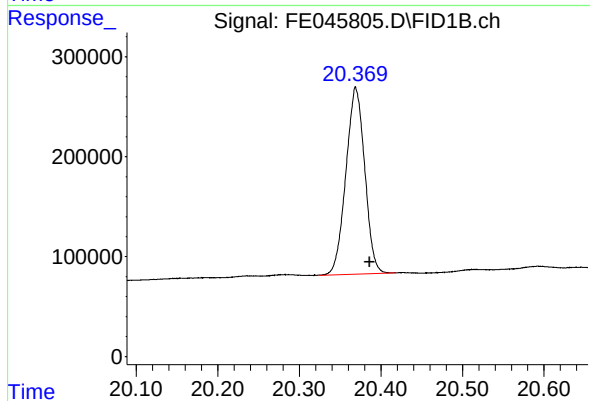
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.018 min
Response: 3274616
Conc: 17.95 ug/ml



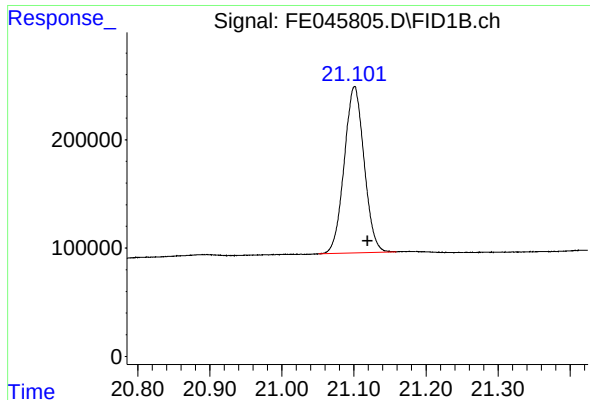
#19 n-Tetratriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.017 min
Response: 3106711
Conc: 18.72 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.018 min
Response: 2994124
Conc: 18.86 ug/ml m



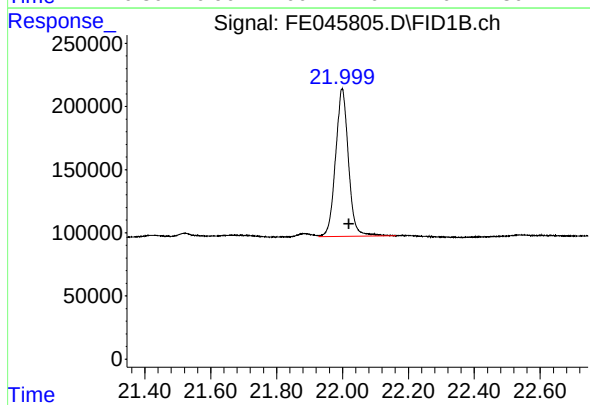
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.018 min
Response: 2944433
Conc: 18.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.999 min
Delta R.T.: -0.021 min
Response: 3170497
Conc: 22.31 ug/ml