

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041423AL\
 Data File : FE041355.D
 Signal(s) : FID1B.ch
 Acq On : 14 Apr 2023 09:04
 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 04/17/2023
 Supervised By :Ankita Jodhani 04/17/2023

Integration File: autoint1.e
 Quant Time: Apr 15 01:19:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.838	3632847	19.330 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
12) S 1-chlorooctadecane (S...	13.278	2785727	19.361 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
Target Compounds			
1) T n-Nonane (C9)	3.236	3262537	18.803 ug/ml
2) T n-Decane (C10)	4.483	3232402	18.990 ug/ml
3) T A~Naphthalene (C11.7)	6.185	3507085	19.174 ug/ml
4) T n-Dodecane (C12)	6.648	3308549	19.074 ug/ml
5) T A~2-methylnaphthalene...	7.281	3289171	19.860 ug/ml
6) T n-Tetradecane (C14)	8.475	3342024	19.167 ug/ml
7) T n-Hexadecane (C16)	10.082	3430405	19.288 ug/ml
8) T n-Octadecane (C18)	11.523	3455395	19.352 ug/ml
10) T n-Eicosane (C20)	12.833	3315051	19.435 ug/ml
11) T n-Heneicosane (C21)	13.445	3306222	19.542 ug/ml
13) T n-Docosane (C22)	14.032	3238078	19.567 ug/ml
14) T n-Tetracosane (C24)	15.137	3158841	19.525 ug/ml
15) T n-Hexacosane (C26)	16.159	3043866	19.636 ug/ml
16) T n-Octacosane (C28)	17.110	2999708	19.583 ug/ml
17) T n-Tricontane (C30)	18.000	2994722	19.592 ug/ml
18) T n-Dotriacontane (C32)	18.833	3074701	19.693 ug/ml
19) T n-Tetratriacontane (C34)	19.619	3073009	19.830 ug/ml
20) T n-Hexatriacontane (C36)	20.359	3006972	19.796 ug/mlm
21) T n-Octatriacontane (C38)	21.087	3093253	19.801 ug/mlm
22) T n-Tetracontane (C40)	21.965	3218947	20.168 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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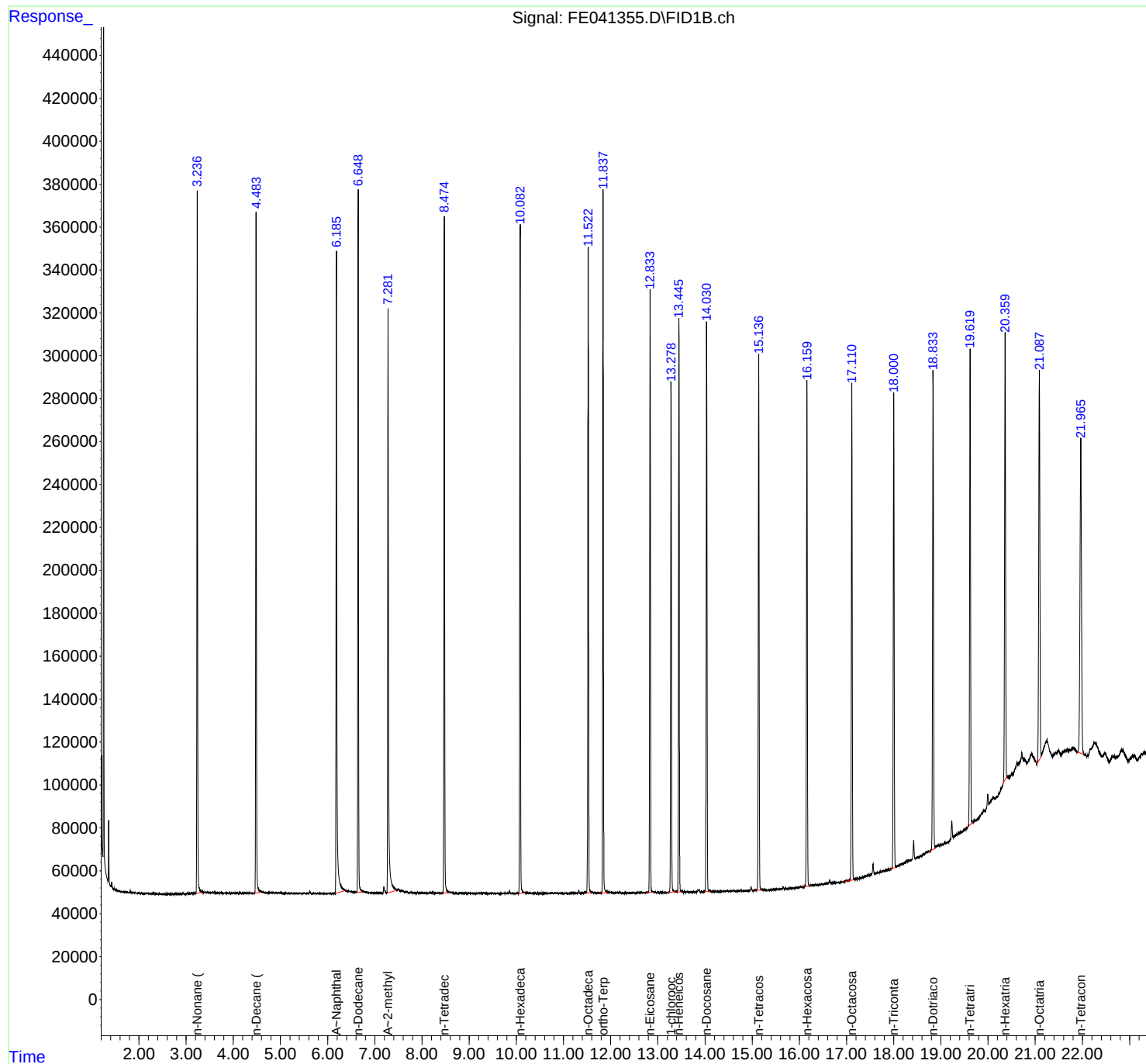
Instrument :
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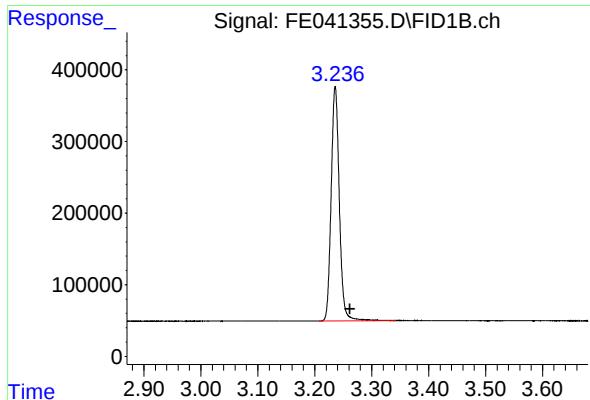
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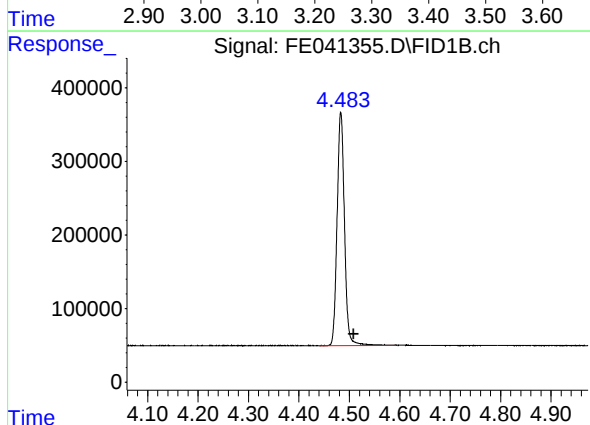
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3262537
Conc: 18.80 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

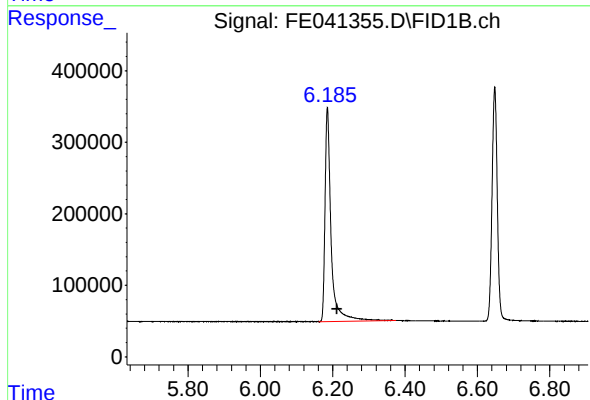
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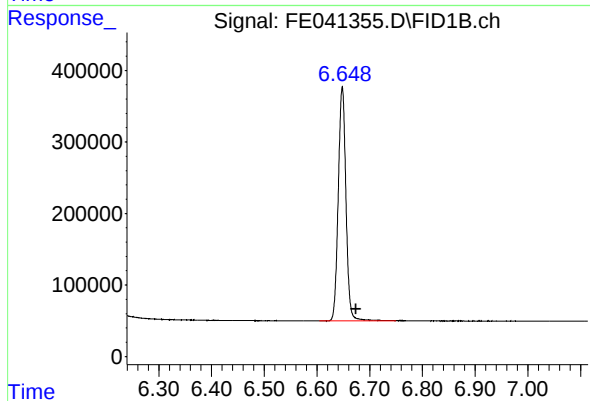
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.026 min
Response: 3232402
Conc: 18.99 ug/ml



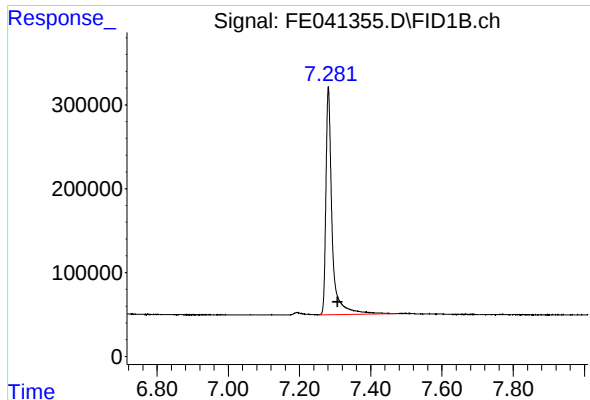
#3 A~Naphthalene (C11.7)

R.T.: 6.185 min
Delta R.T.: -0.026 min
Response: 3507085
Conc: 19.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.026 min
Response: 3308549
Conc: 19.07 ug/ml



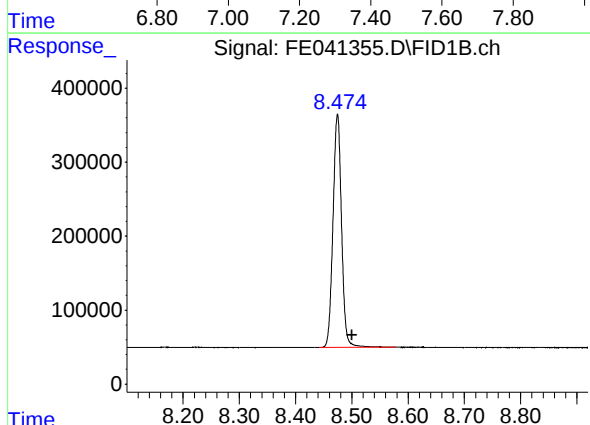
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: -0.026 min
Response: 3289171
Conc: 19.86 ug/ml

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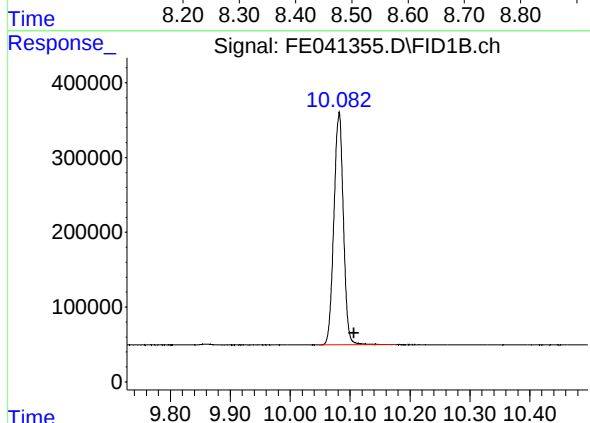
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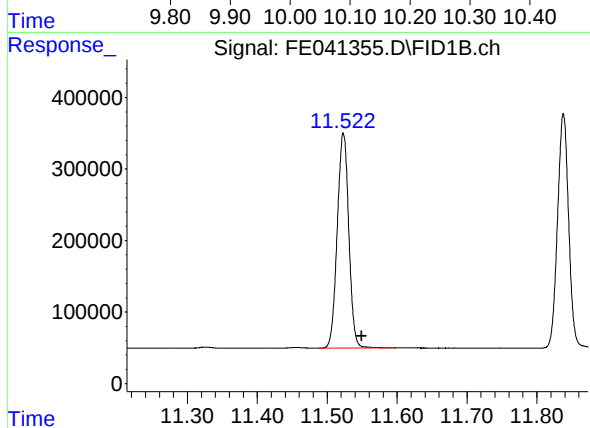
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.026 min
Response: 3342024
Conc: 19.17 ug/ml



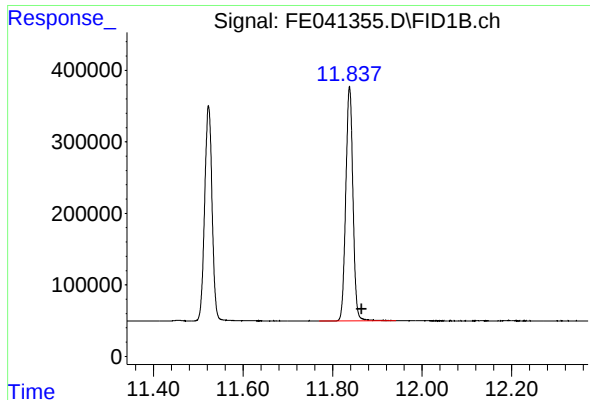
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.025 min
Response: 3430405
Conc: 19.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.523 min
Delta R.T.: -0.026 min
Response: 3455395
Conc: 19.35 ug/ml



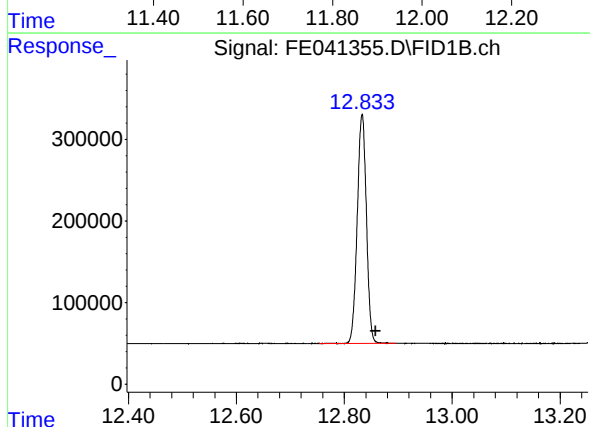
#9 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: -0.027 min
Response: 3632847
Conc: 19.33 ug/ml

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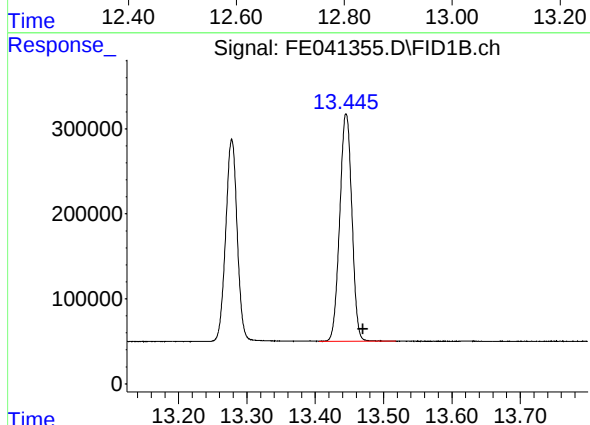
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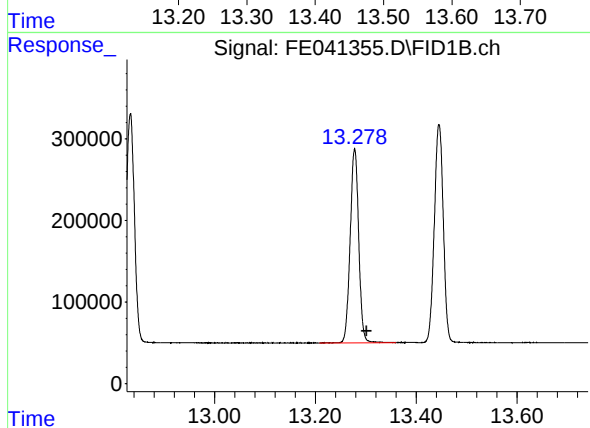
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.025 min
Response: 3315051
Conc: 19.43 ug/ml



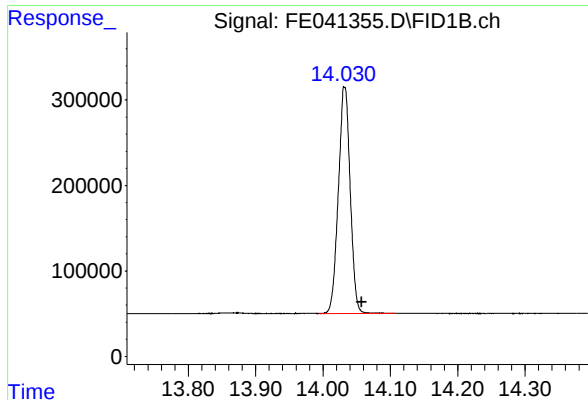
#11 n-Heneicosane (C21)

R.T.: 13.445 min
Delta R.T.: -0.025 min
Response: 3306222
Conc: 19.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.278 min
Delta R.T.: -0.024 min
Response: 2785727
Conc: 19.36 ug/ml



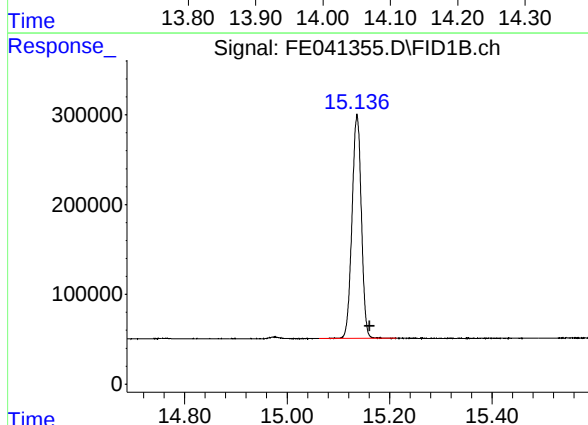
#13 n-Docosane (C22)

R.T.: 14.032 min
Delta R.T.: -0.025 min
Response: 3238078
Conc: 19.57 ug/ml

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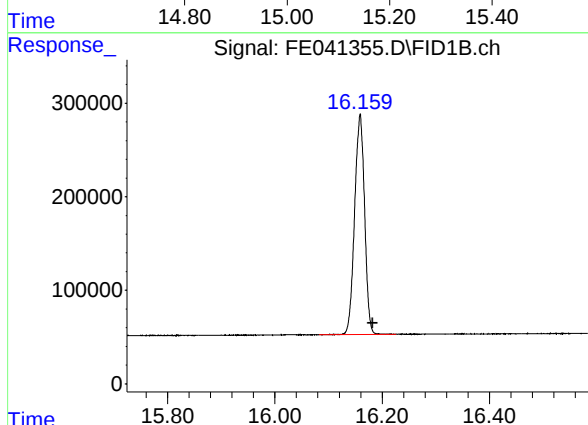
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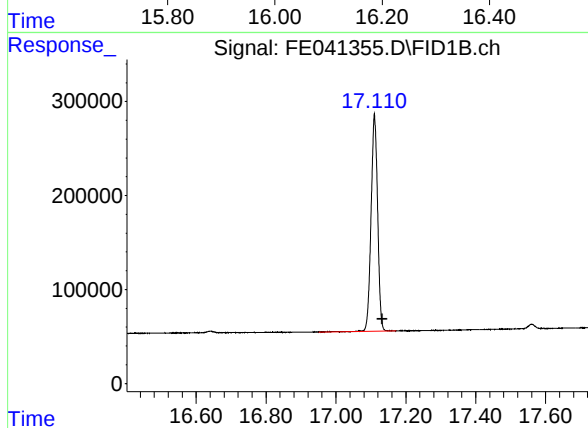
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.024 min
Response: 3158841
Conc: 19.52 ug/ml



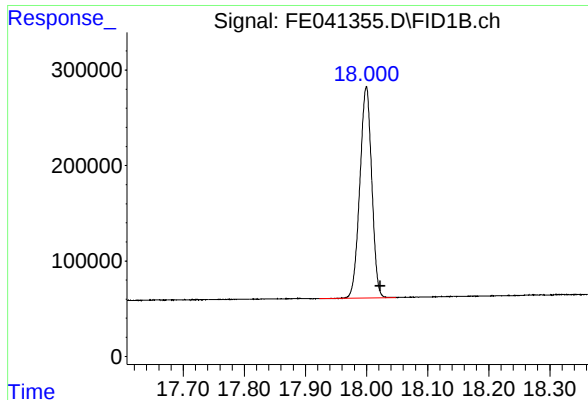
#15 n-Hexacosane (C26)

R.T.: 16.159 min
Delta R.T.: -0.023 min
Response: 3043866
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.110 min
Delta R.T.: -0.023 min
Response: 2999708
Conc: 19.58 ug/ml



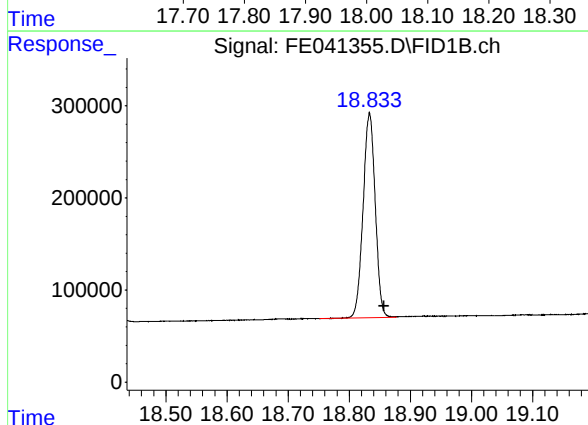
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.023 min
Response: 2994722
Conc: 19.59 ug/ml

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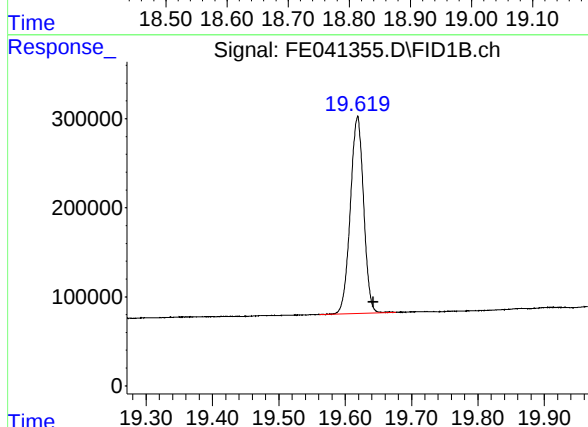
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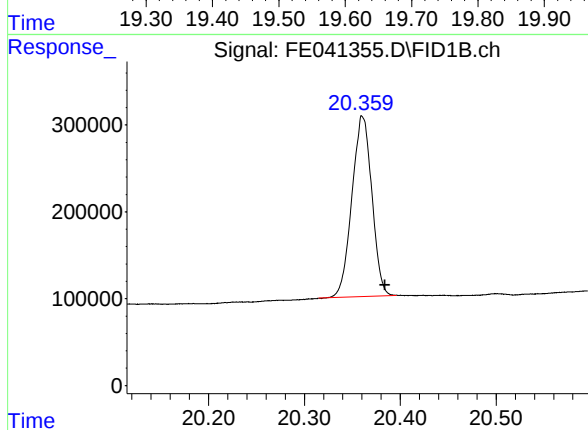
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.023 min
Response: 3074701
Conc: 19.69 ug/ml



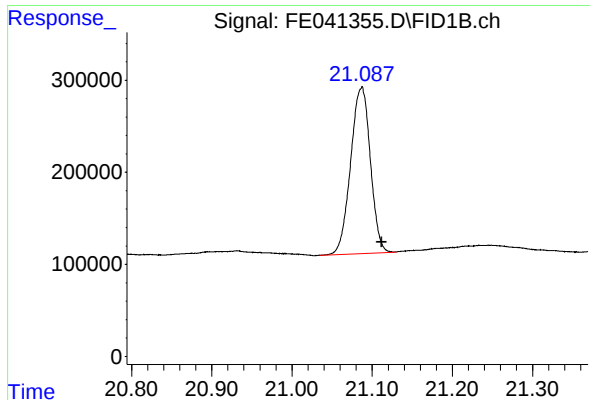
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.024 min
Response: 3073009
Conc: 19.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.025 min
Response: 3006972
Conc: 19.80 ug/ml m



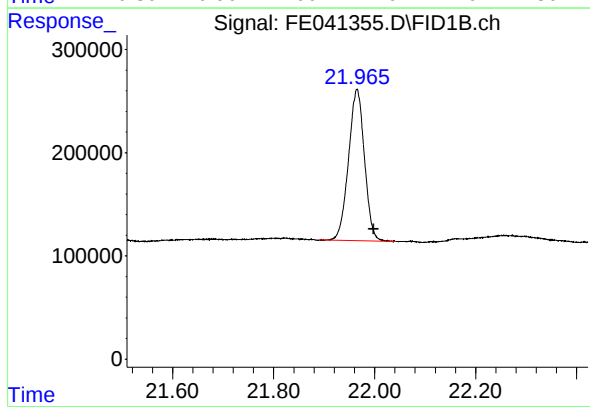
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.025 min
Response: 3093253
Conc: 19.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.033 min
Response: 3218947
Conc: 20.17 ug/ml m