

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041423AL\
 Data File : FE041374.D
 Signal(s) : FID1B.ch
 Acq On : 14 Apr 2023 21:15
 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 04/17/2023
 Supervised By :Ankita Jodhani 04/17/2023

Integration File: autoint1.e
 Quant Time: Apr 15 01:23:27 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	3548672	18.882 ug/ml
Spiked Amount 50.000		Recovery =	37.76%
12) S 1-chlorooctadecane (S...	13.278	2729314	18.969 ug/ml
Spiked Amount 50.000		Recovery =	37.94%
Target Compounds			
1) T n-Nonane (C9)	3.236	3231517	18.624 ug/ml
2) T n-Decane (C10)	4.484	3188119	18.730 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3499576	19.133 ug/ml
4) T n-Dodecane (C12)	6.648	3264773	18.821 ug/ml
5) T A~2-methylnaphthalene...	7.282	3272993	19.763 ug/ml
6) T n-Tetradecane (C14)	8.475	3320701	19.045 ug/ml
7) T n-Hexadecane (C16)	10.082	3379420	19.001 ug/ml
8) T n-Octadecane (C18)	11.524	3392180	18.998 ug/ml
10) T n-Eicosane (C20)	12.834	3251821	19.064 ug/ml
11) T n-Heneicosane (C21)	13.446	3218583	19.024 ug/ml
13) T n-Docosane (C22)	14.033	3165138	19.126 ug/ml
14) T n-Tetracosane (C24)	15.137	3118718	19.277 ug/ml
15) T n-Hexacosane (C26)	16.159	3024463	19.511 ug/ml
16) T n-Octacosane (C28)	17.111	3014578	19.680 ug/ml
17) T n-Tricontane (C30)	18.000	3021080	19.764 ug/ml
18) T n-Dotriacontane (C32)	18.835	3100519	19.859 ug/ml
19) T n-Tetratriacontane (C34)	19.621	3089686	19.938 ug/ml
20) T n-Hexatriacontane (C36)	20.362	3042693	20.031 ug/mlm
21) T n-Octatriacontane (C38)	21.089	3180372	20.358 ug/ml
22) T n-Tetracontane (C40)	21.968	3324351	20.829 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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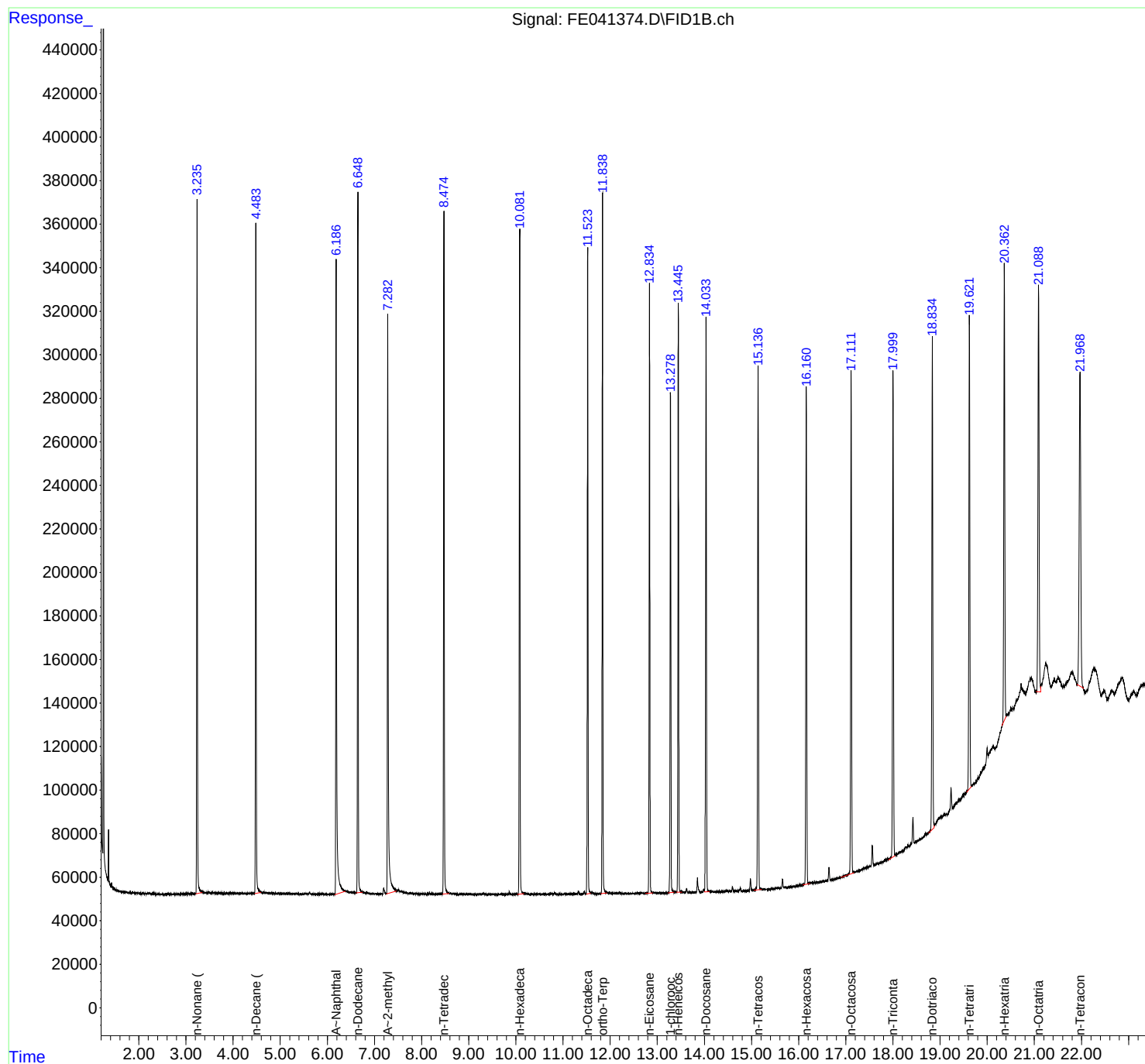
Instrument :
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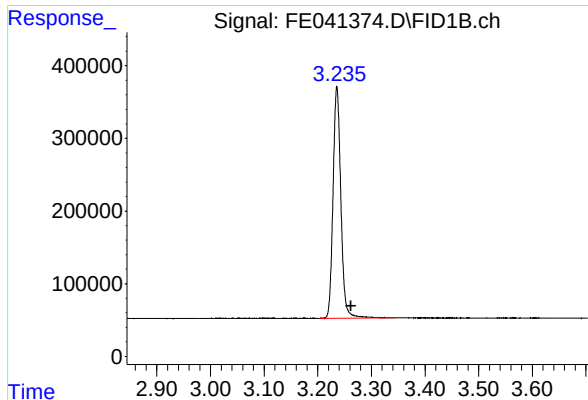
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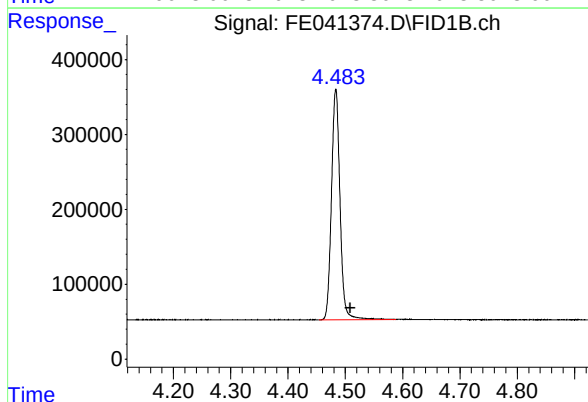
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3231517
Conc: 18.62 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

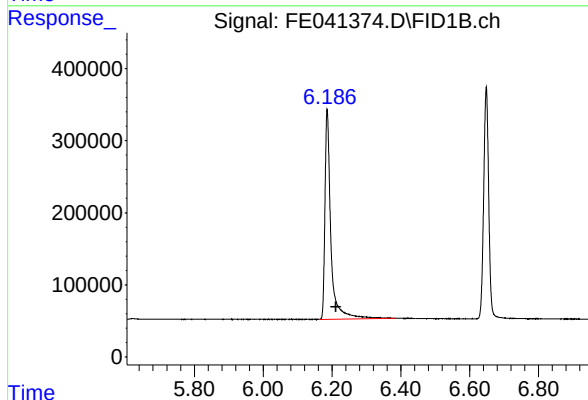
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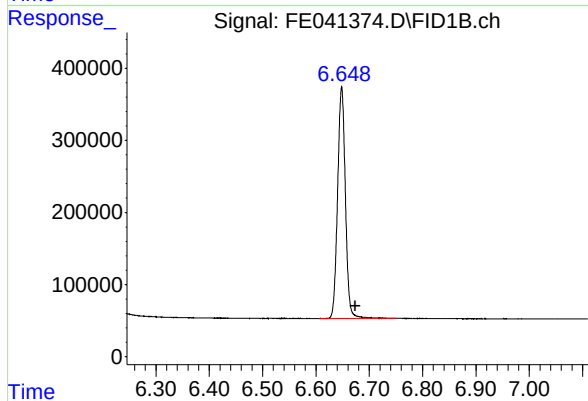
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.025 min
Response: 3188119
Conc: 18.73 ug/ml



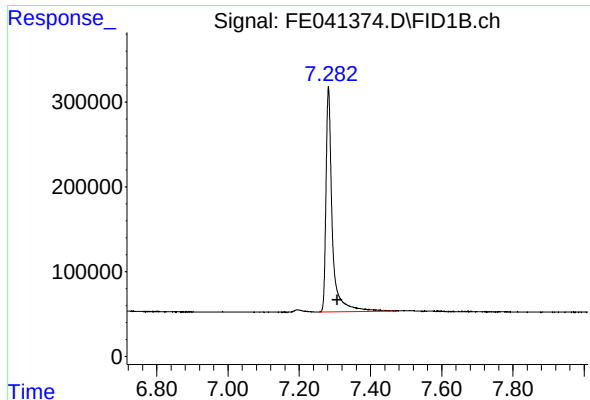
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3499576
Conc: 19.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.025 min
Response: 3264773
Conc: 18.82 ug/ml



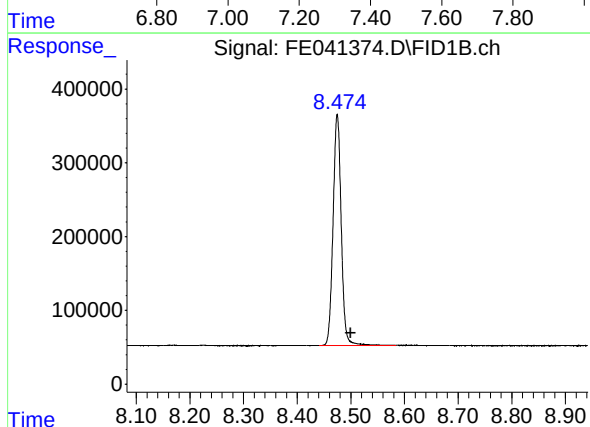
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.025 min
Response: 3272993
Conc: 19.76 ug/ml

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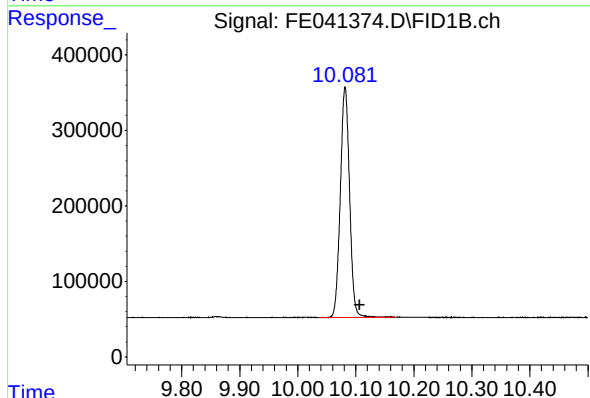
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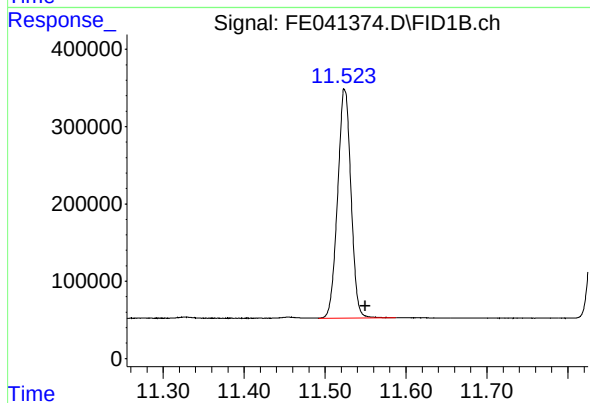
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.025 min
Response: 3320701
Conc: 19.04 ug/ml



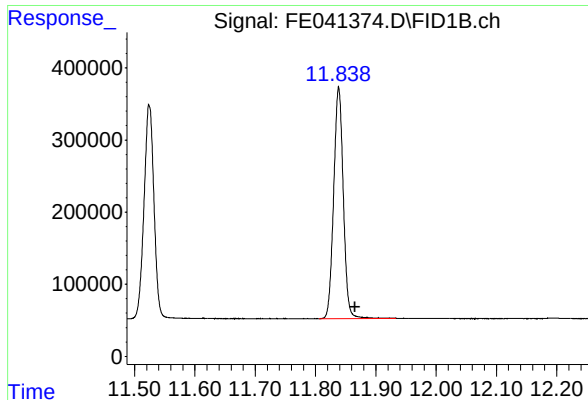
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.025 min
Response: 3379420
Conc: 19.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.524 min
Delta R.T.: -0.025 min
Response: 3392180
Conc: 19.00 ug/ml



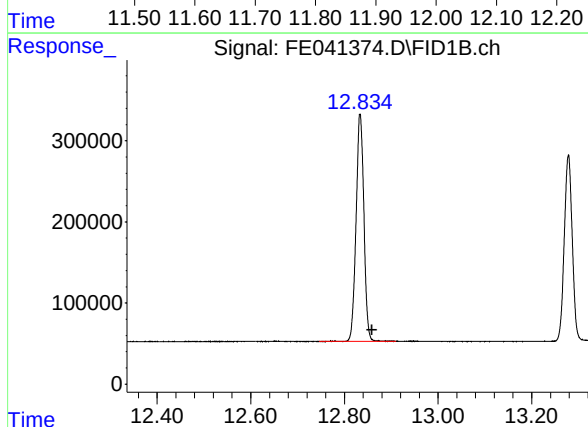
#9 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: -0.027 min
Response: 3548672
Conc: 18.88 ug/ml

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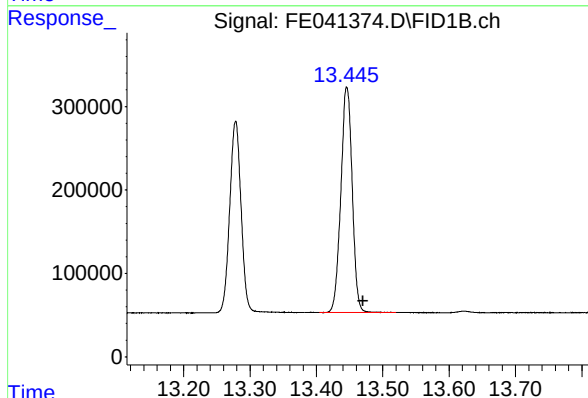
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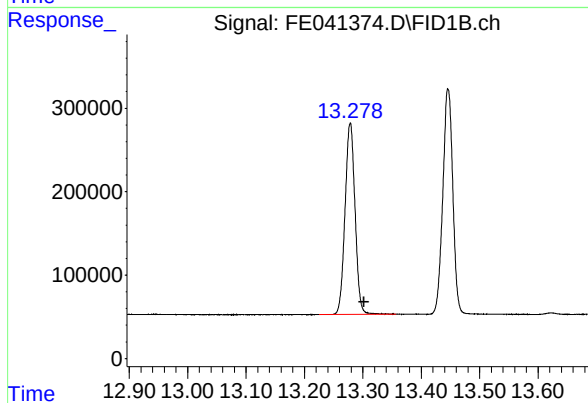
#10 n-Eicosane (C20)

R.T.: 12.834 min
Delta R.T.: -0.025 min
Response: 3251821
Conc: 19.06 ug/ml



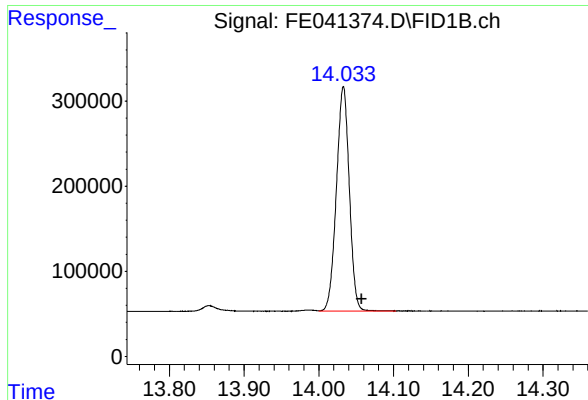
#11 n-Heneicosane (C21)

R.T.: 13.446 min
Delta R.T.: -0.024 min
Response: 3218583
Conc: 19.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.278 min
Delta R.T.: -0.024 min
Response: 2729314
Conc: 18.97 ug/ml



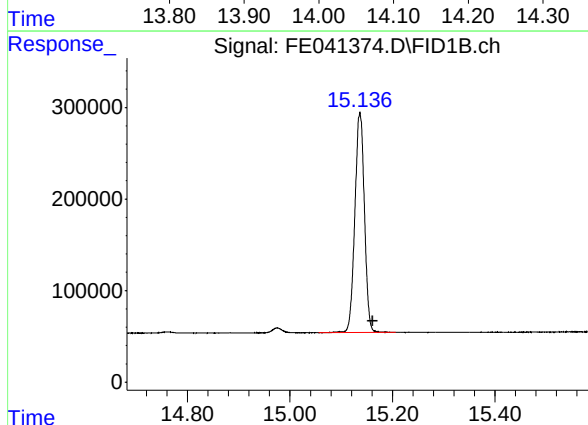
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: -0.024 min
Response: 3165138
Conc: 19.13 ug/ml

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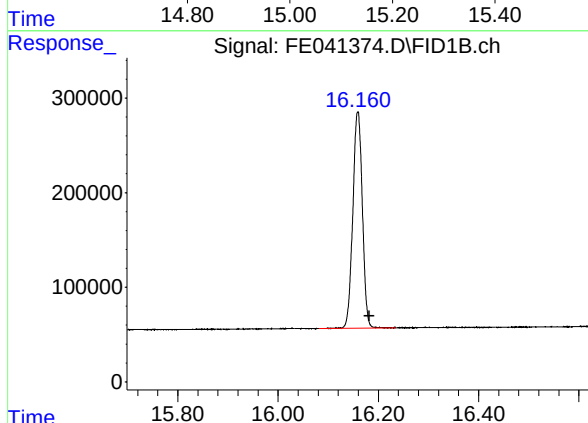
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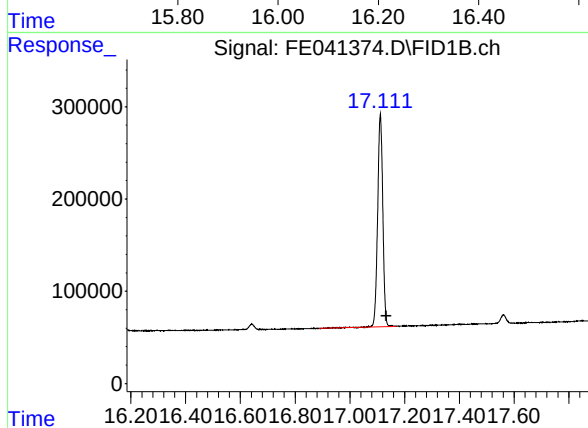
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.024 min
Response: 3118718
Conc: 19.28 ug/ml



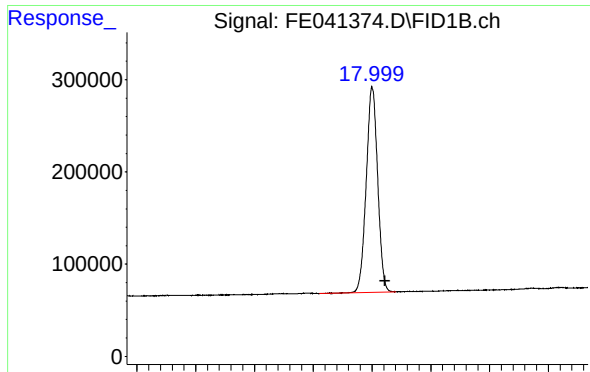
#15 n-Hexacosane (C26)

R.T.: 16.159 min
Delta R.T.: -0.023 min
Response: 3024463
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.111 min
Delta R.T.: -0.022 min
Response: 3014578
Conc: 19.68 ug/ml



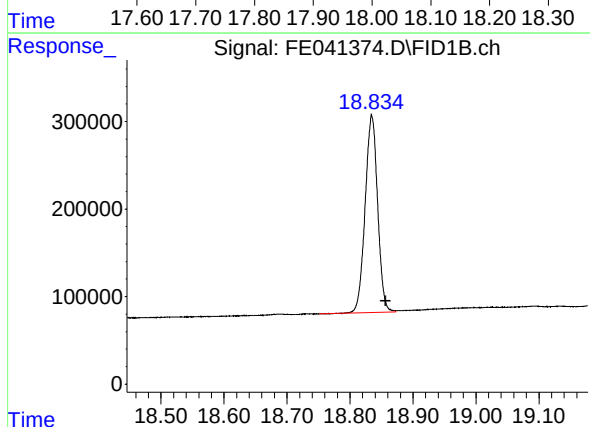
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.022 min
Response: 3021080
Conc: 19.76 ug/ml

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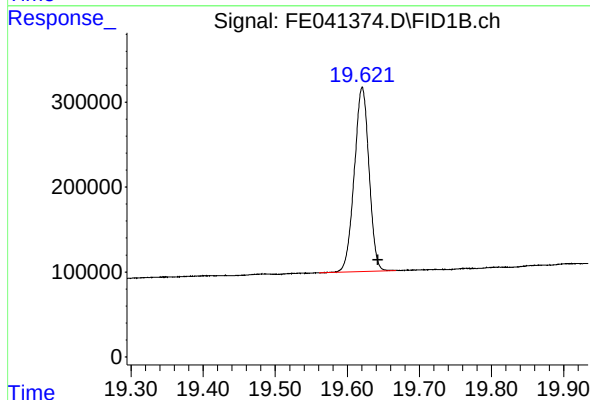
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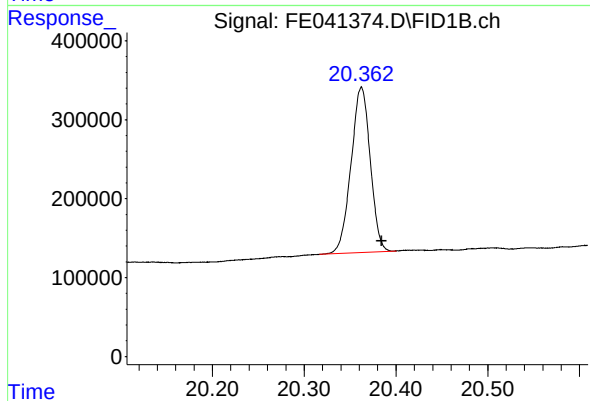
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: -0.022 min
Response: 3100519
Conc: 19.86 ug/ml



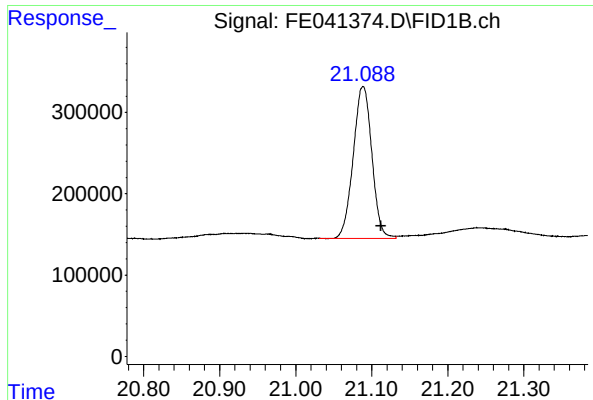
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: -0.022 min
Response: 3089686
Conc: 19.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.362 min
Delta R.T.: -0.022 min
Response: 3042693
Conc: 20.03 ug/ml m



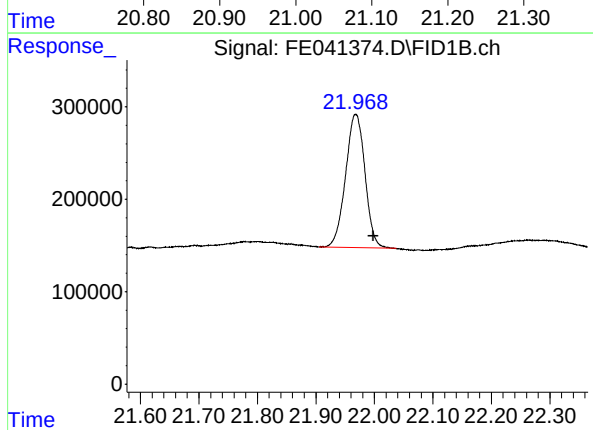
#21 n-Octatriacontane (C38)

R.T.: 21.089 min
Delta R.T.: -0.024 min
Response: 3180372
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.030 min
Response: 3324351
Conc: 20.83 ug/ml m