

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040723AL\
 Data File : FE041217.D
 Signal(s) : FID1B.ch
 Acq On : 07 Apr 2023 10:09
 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 04/10/2023
 Supervised By :Ankita Jodhani 04/10/2023

Integration File: autoint1.e
 Quant Time: Apr 10 01:00:21 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)	11.841	3746663	19.935 ug/ml
Spiked Amount 50.000		Recovery =	39.87%
12) S 1-chlorooctadecane (S...	13.280	2897046	20.135 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
Target Compounds			
1) T n-Nonane (C9)	3.241	3356635	19.345 ug/ml
2) T n-Decane (C10)	4.488	3365825	19.774 ug/ml
3) T A~Naphthalene (C11.7)	6.189	3680785	20.124 ug/ml
4) T n-Dodecane (C12)	6.652	3443312	19.851 ug/ml
5) T A~2-methylnaphthalene...	7.285	3452861	20.849 ug/ml
6) T n-Tetradecane (C14)	8.478	3457688	19.830 ug/ml
7) T n-Hexadecane (C16)	10.085	3556014	19.994 ug/ml
8) T n-Octadecane (C18)	11.527	3587506	20.092 ug/ml
10) T n-Eicosane (C20)	12.836	3449174	20.221 ug/ml
11) T n-Heneicosane (C21)	13.448	3417156	20.198 ug/ml
13) T n-Docosane (C22)	14.035	3385819	20.460 ug/ml
14) T n-Tetracosane (C24)	15.139	3378479	20.882 ug/ml
15) T n-Hexacosane (C26)	16.159	3286198	21.199 ug/ml
16) T n-Octacosane (C28)	17.111	3338303	21.793 ug/ml
17) T n-Tricontane (C30)	18.000	3480779	22.772 ug/ml
18) T n-Dotriacontane (C32)	18.835	3584390	22.958 ug/mlm
19) T n-Tetratriacontane (C34)	19.617	3455293	22.297 ug/mlm
20) T n-Hexatriacontane (C36)	20.360	3319497	21.853 ug/ml
21) T n-Octatriacontane (C38)	21.084	3335599	21.352 ug/mlm
22) T n-Tetracontane (C40)	21.967	3459409	21.675 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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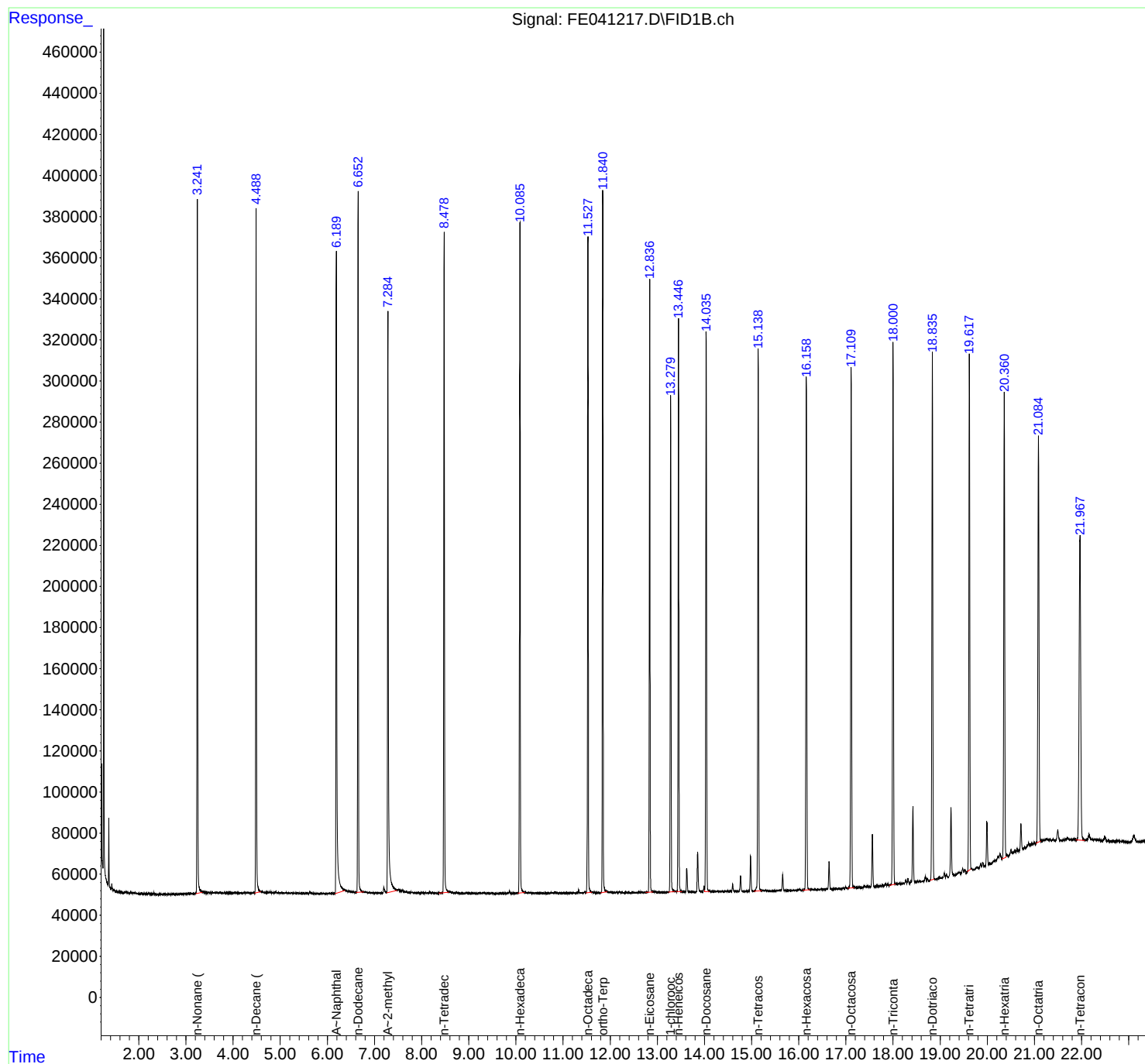
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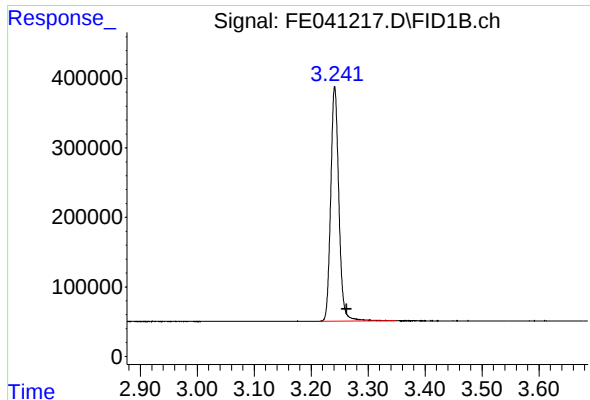
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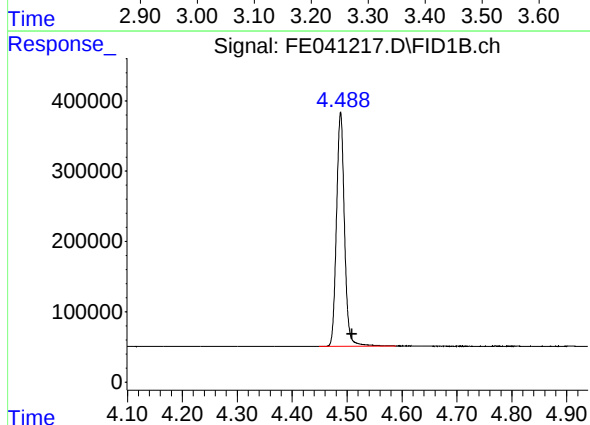
#1 n-Nonane (C9)

R.T.: 3.241 min
Delta R.T.: -0.021 min
Response: 3356635
Conc: 19.35 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

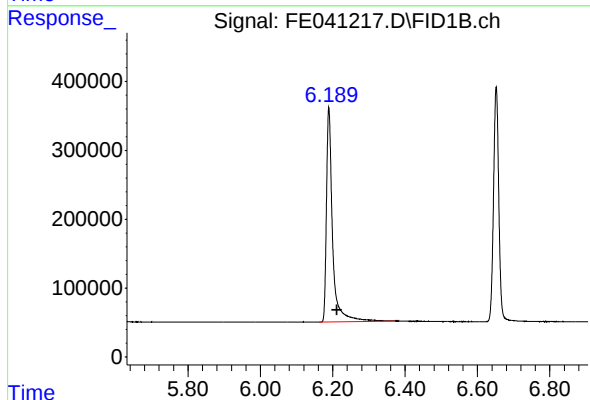
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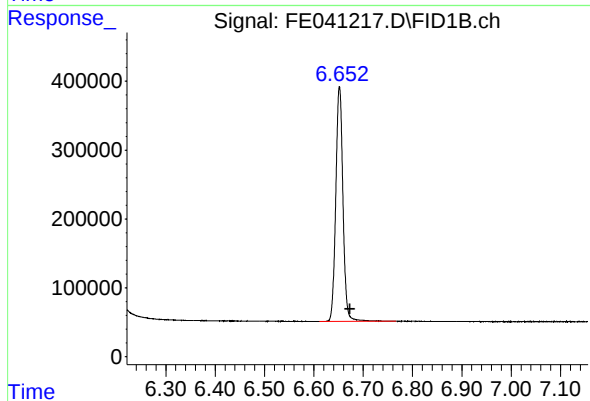
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: -0.021 min
Response: 3365825
Conc: 19.77 ug/ml



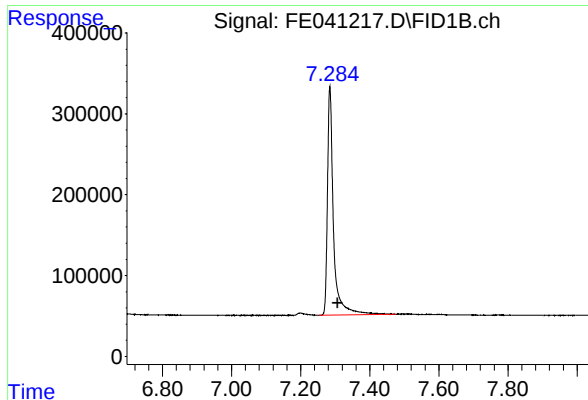
#3 A~Naphthalene (C11.7)

R.T.: 6.189 min
Delta R.T.: -0.022 min
Response: 3680785
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.652 min
Delta R.T.: -0.022 min
Response: 3443312
Conc: 19.85 ug/ml



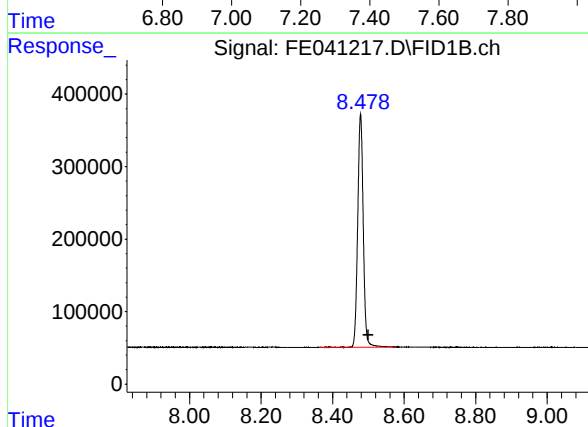
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.285 min
Delta R.T.: -0.023 min
Response: 3452861
Conc: 20.85 ug/ml

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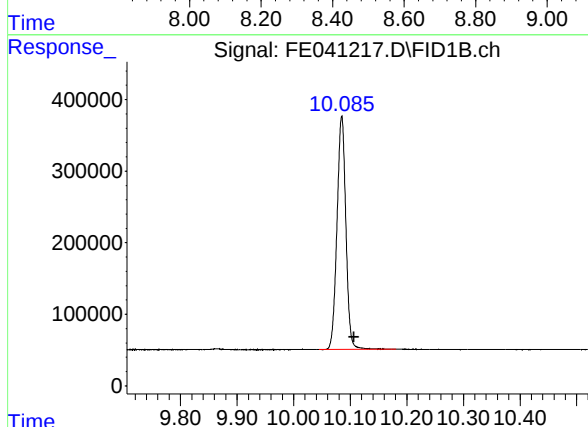
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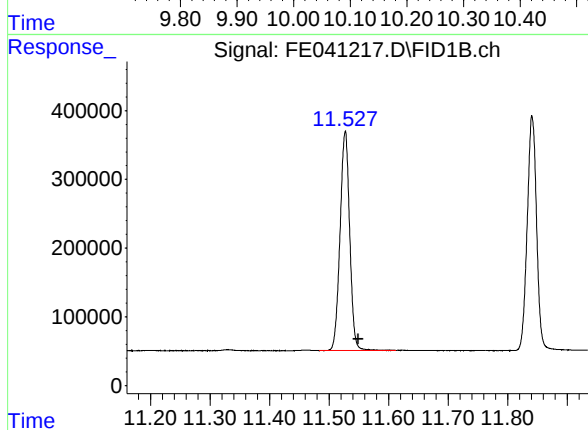
#6 n-Tetradecane (C14)

R.T.: 8.478 min
Delta R.T.: -0.022 min
Response: 3457688
Conc: 19.83 ug/ml



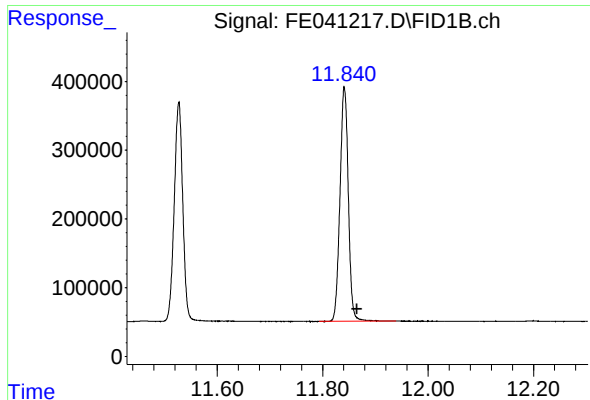
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.022 min
Response: 3556014
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.527 min
Delta R.T.: -0.022 min
Response: 3587506
Conc: 20.09 ug/ml



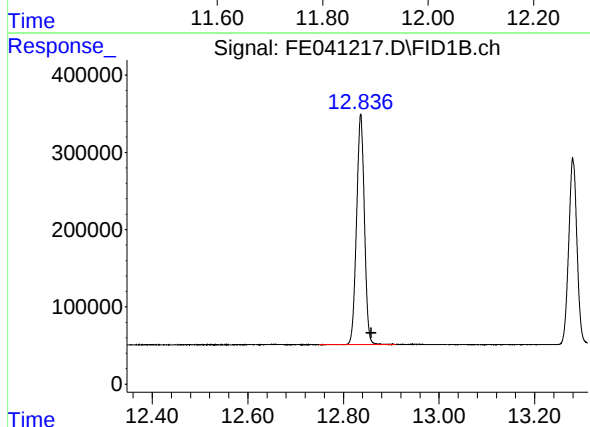
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.024 min
Response: 3746663
Conc: 19.94 ug/ml

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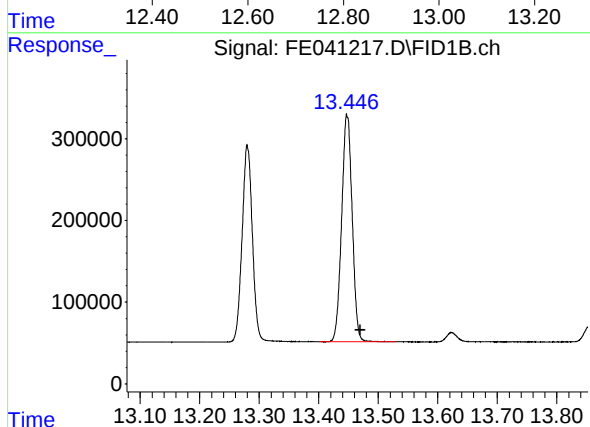
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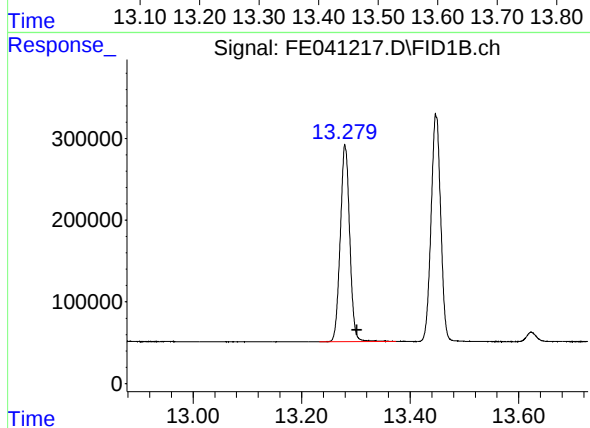
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.022 min
Response: 3449174
Conc: 20.22 ug/ml



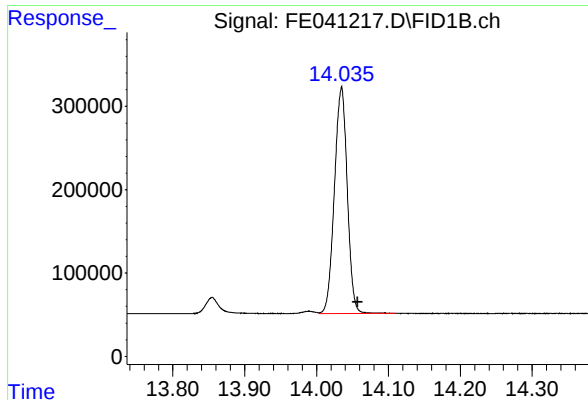
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: -0.022 min
Response: 3417156
Conc: 20.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.280 min
Delta R.T.: -0.022 min
Response: 2897046
Conc: 20.14 ug/ml



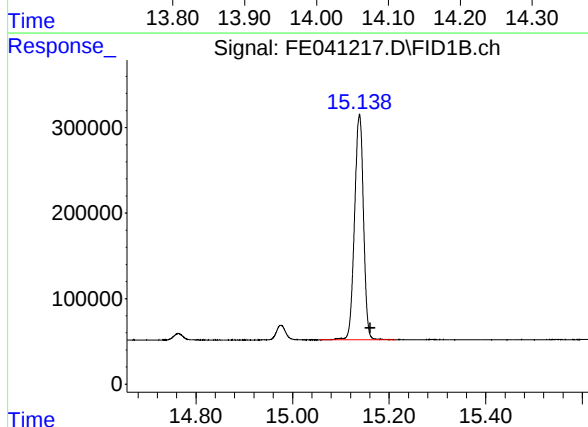
#13 n-Docosane (C22)

R.T.: 14.035 min
Delta R.T.: -0.022 min
Response: 3385819
Conc: 20.46 ug/ml

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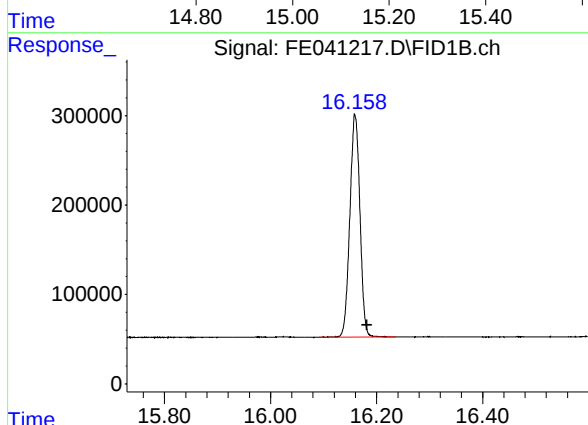
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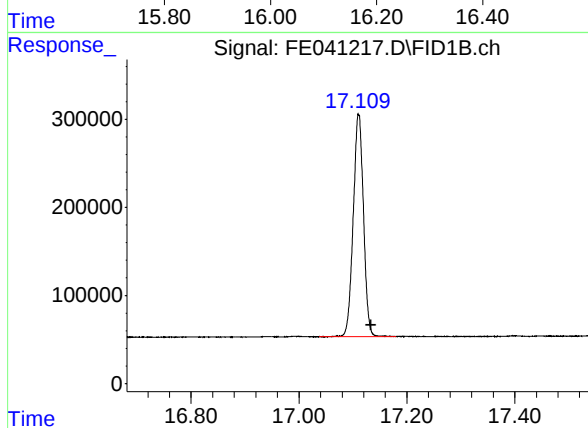
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: -0.022 min
Response: 3378479
Conc: 20.88 ug/ml



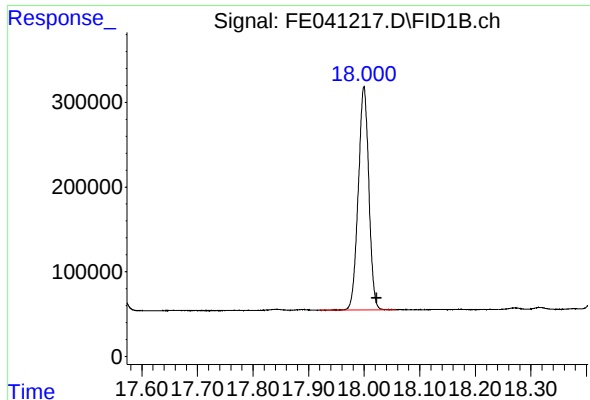
#15 n-Hexacosane (C26)

R.T.: 16.159 min
Delta R.T.: -0.023 min
Response: 3286198
Conc: 21.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.111 min
Delta R.T.: -0.023 min
Response: 3338303
Conc: 21.79 ug/ml



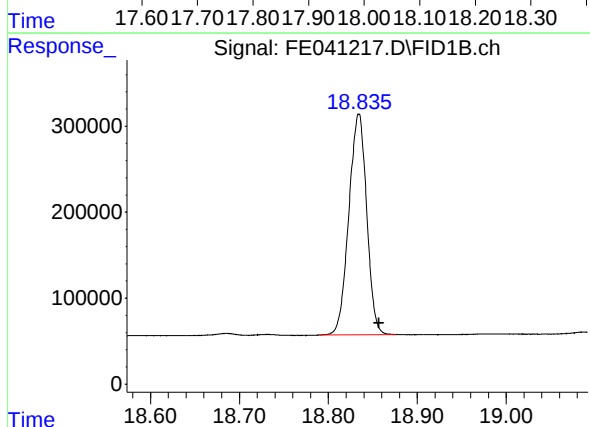
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.023 min
Response: 3480779
Conc: 22.77 ug/ml

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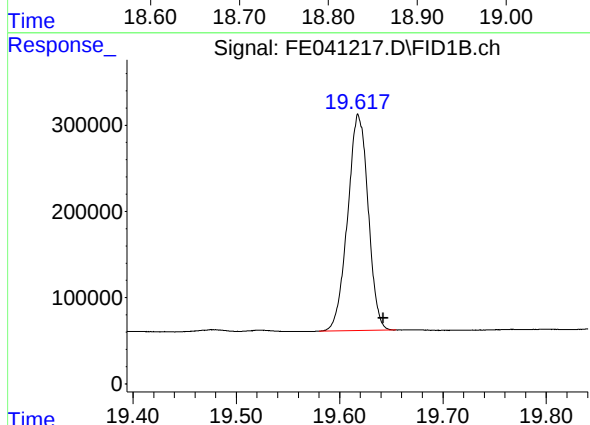
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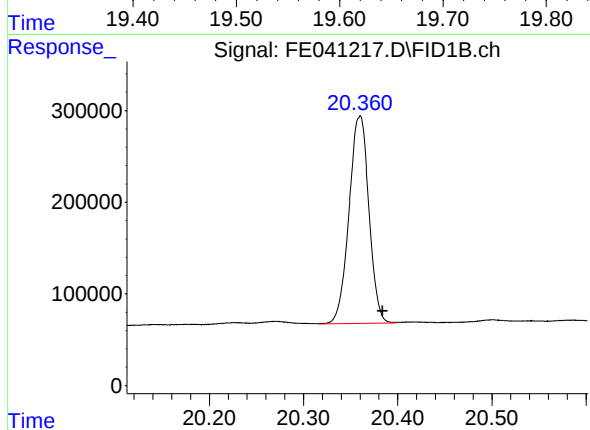
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: -0.022 min
Response: 3584390
Conc: 22.96 ug/ml m



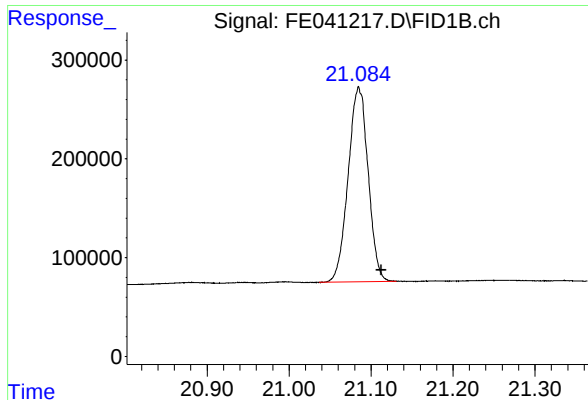
#19 n-Tetratriacontane (C34)

R.T.: 19.617 min
Delta R.T.: -0.025 min
Response: 3455293
Conc: 22.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.024 min
Response: 3319497
Conc: 21.85 ug/ml



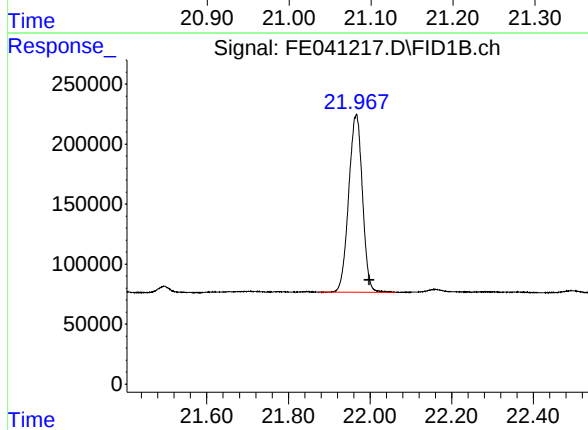
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.028 min
Response: 3335599
Conc: 21.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.031 min
Response: 3459409
Conc: 21.67 ug/ml