

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022323AL\
 Data File : FE040536.D
 Signal(s) : FID1B.ch
 Acq On : 24 Feb 2023 02:20
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/24/2023
 Supervised By :Ankita Jodhani 02/24/2023

Integration File: autoint1.e
 Quant Time: Feb 24 04:49:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020223.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 02 04:52:48 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)	11.880	3444920	21.283 ug/ml
Spiked Amount 50.000		Recovery =	42.57%
12) S 1-chlorooctadecane (S...	13.318	2524974	20.359 ug/ml
Spiked Amount 50.000		Recovery =	40.72%
Target Compounds			
1) T n-Nonane (C9)	3.277	2926993	21.506 ug/ml
2) T n-Decane (C10)	4.525	2834538	21.333 ug/ml
3) T A~Naphthalene (C11.7)	6.228	3105423	21.219 ug/ml
4) T n-Dodecane (C12)	6.690	2879020	21.383 ug/ml
5) T A~2-methylnaphthalene...	7.323	2840450	20.985 ug/ml
6) T n-Tetradecane (C14)	8.515	2902394	21.060 ug/ml
7) T n-Hexadecane (C16)	10.123	2995018	20.868 ug/ml
8) T n-Octadecane (C18)	11.565	3104861	20.873 ug/ml
10) T n-Eicosane (C20)	12.874	3056201	20.788 ug/ml
11) T n-Heneicosane (C21)	13.486	3079218	20.877 ug/ml
13) T n-Docosane (C22)	14.072	3027766	20.434 ug/ml
14) T n-Tetracosane (C24)	15.176	2975326	19.600 ug/ml
15) T n-Hexacosane (C26)	16.198	2878476	19.417 ug/ml
16) T n-Octacosane (C28)	17.149	2771057	18.491 ug/ml
17) T n-Tricontane (C30)	18.037	2667233	18.077 ug/ml
18) T n-Dotriacontane (C32)	18.871	2619842	17.888 ug/ml
19) T n-Tetratriacontane (C34)	19.654	2558326	18.600 ug/ml
20) T n-Hexatriacontane (C36)	20.394	2391688	18.031 ug/ml
21) T n-Octatriacontane (C38)	21.125	2311721	17.819 ug/mlm
22) T n-Tetracontane (C40)	22.018	2170980	16.351 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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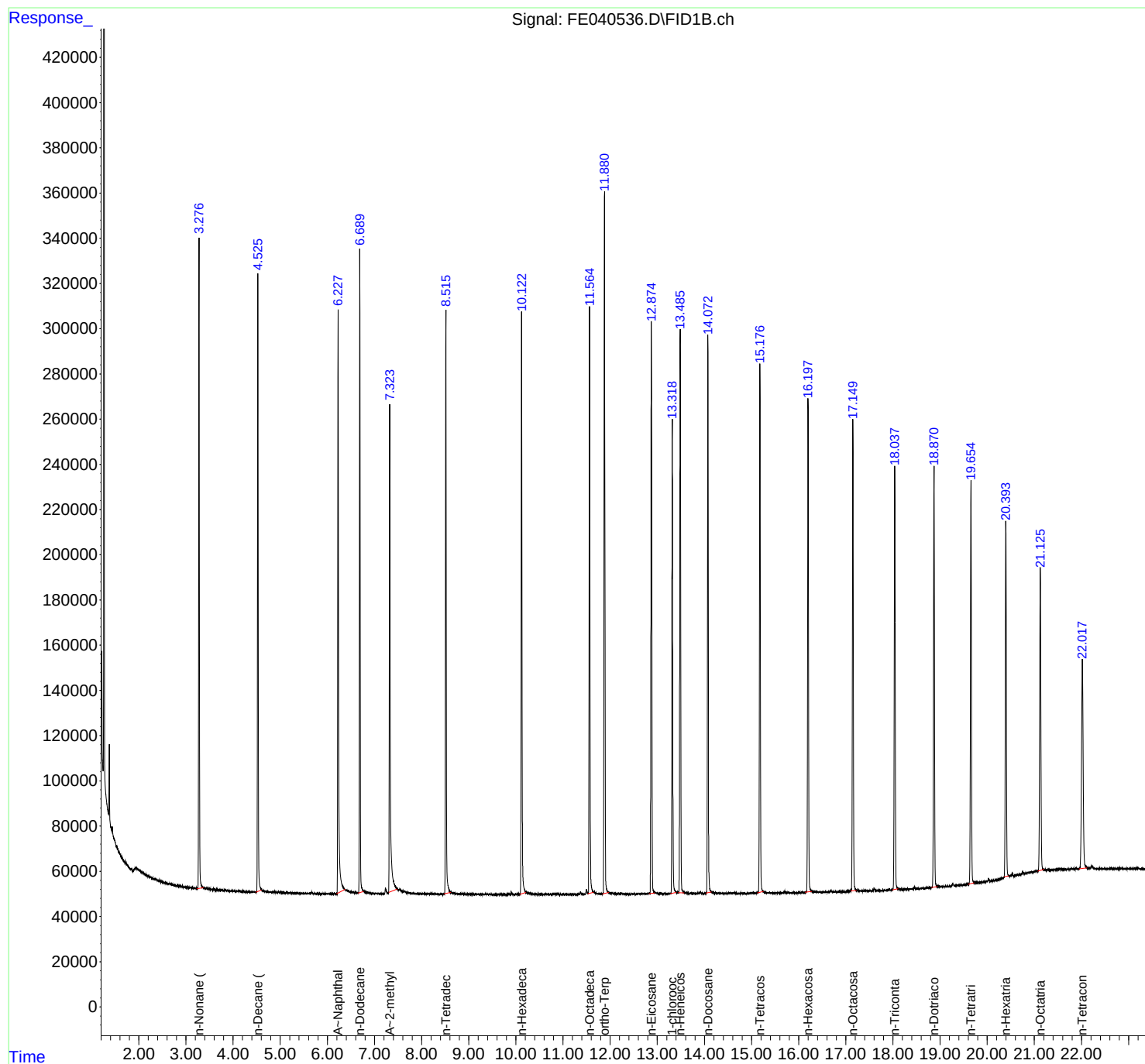
Instrument :
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20 PPM ALIPHATIC HC STD

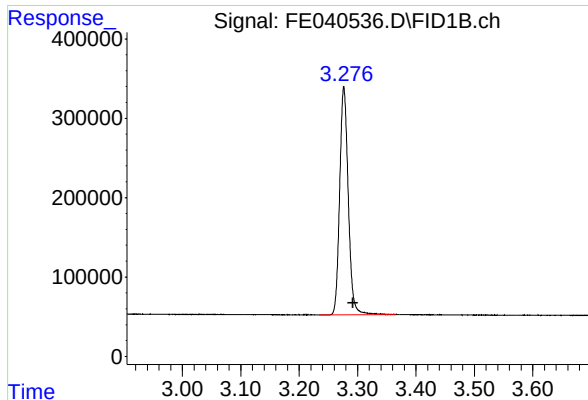
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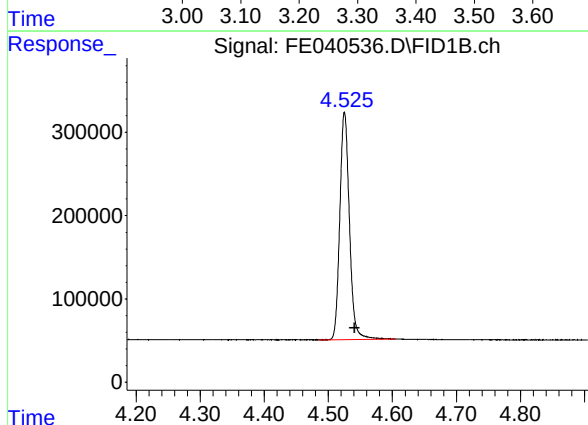
#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: -0.015 min
Response: 2926993
Conc: 21.51 ug/ml

Instrument : FID_E
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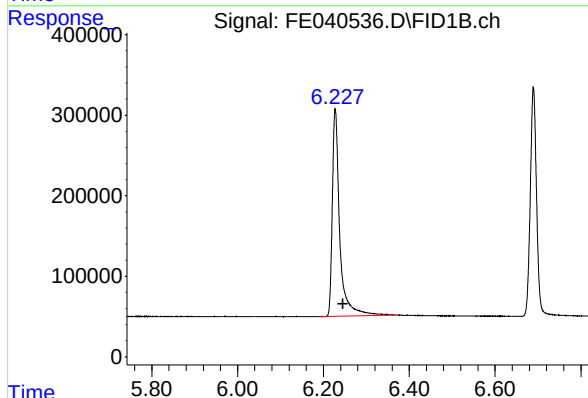
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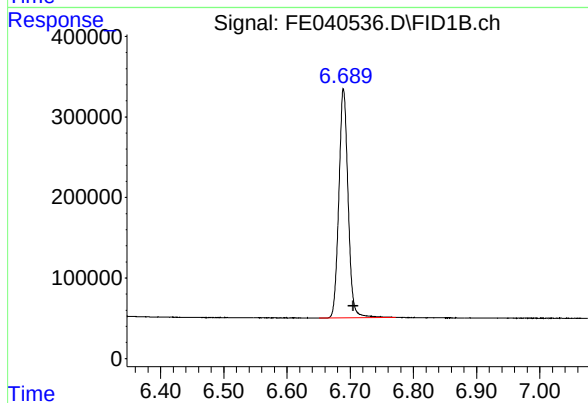
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: -0.016 min
Response: 2834538
Conc: 21.33 ug/ml



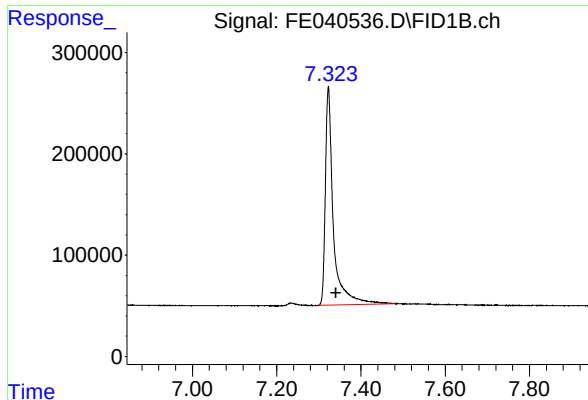
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.018 min
Response: 3105423
Conc: 21.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.690 min
Delta R.T.: -0.015 min
Response: 2879020
Conc: 21.38 ug/ml



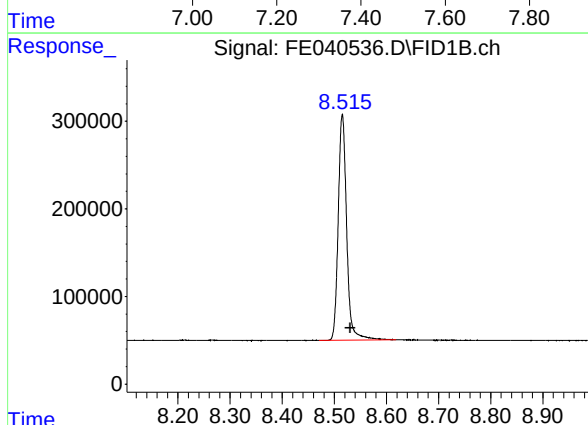
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.018 min
Response: 2840450
Conc: 20.99 ug/ml

Instrument :
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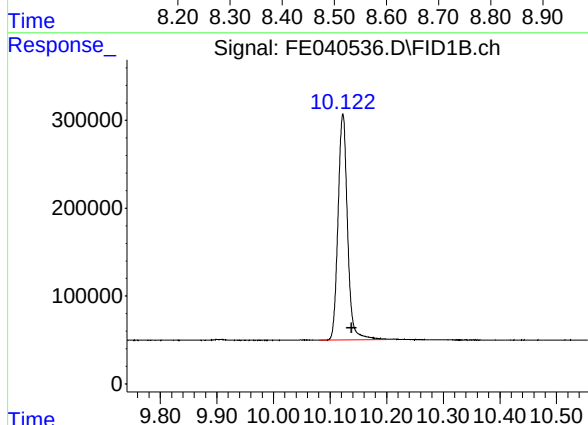
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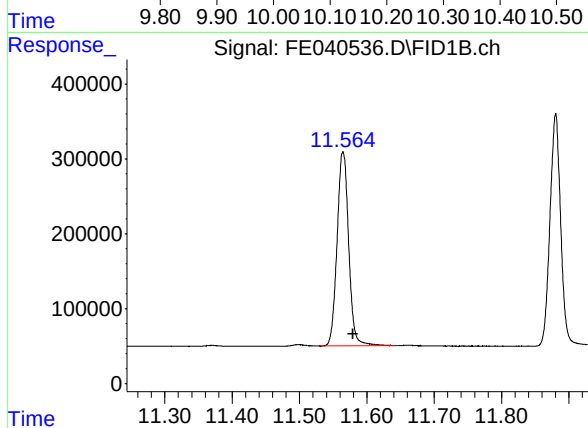
#6 n-Tetradecane (C14)

R.T.: 8.515 min
Delta R.T.: -0.015 min
Response: 2902394
Conc: 21.06 ug/ml



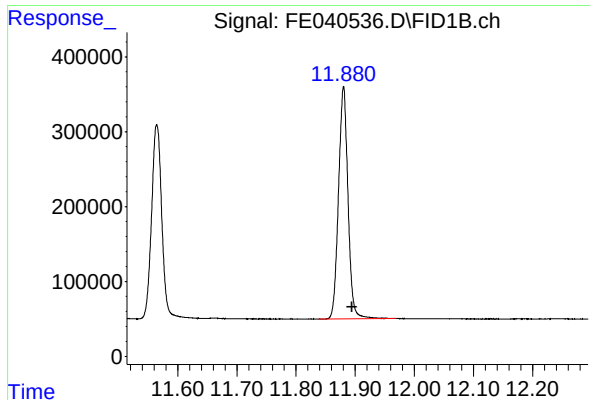
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.015 min
Response: 2995018
Conc: 20.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.565 min
Delta R.T.: -0.015 min
Response: 3104861
Conc: 20.87 ug/ml



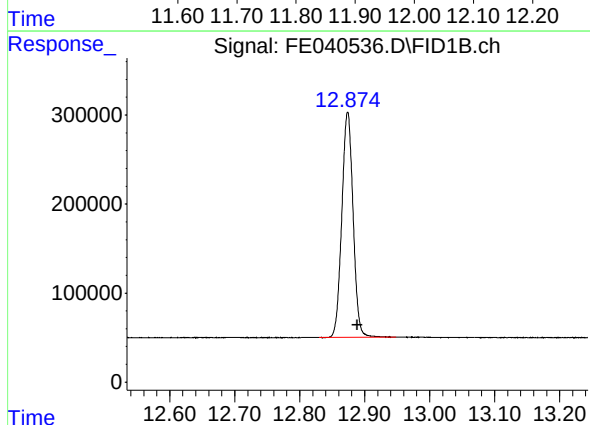
#9 ortho-Terphenyl (SURR)

R.T.: 11.880 min
Delta R.T.: -0.014 min
Response: 3444920
Conc: 21.28 ug/ml

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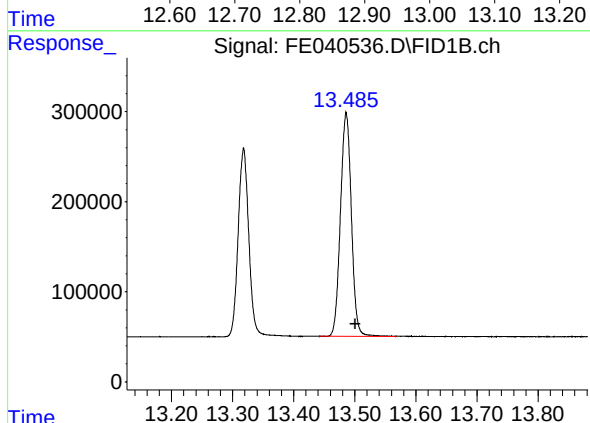
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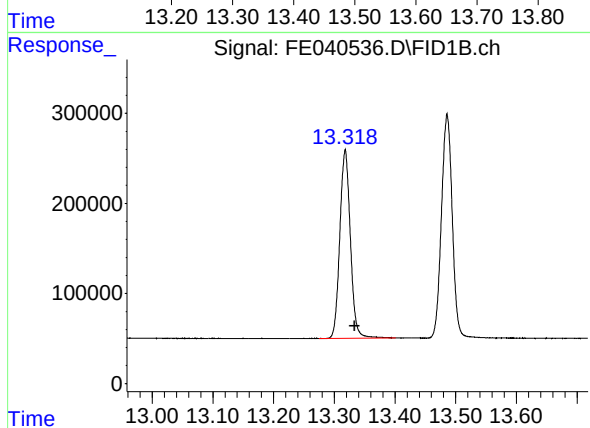
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.015 min
Response: 3056201
Conc: 20.79 ug/ml



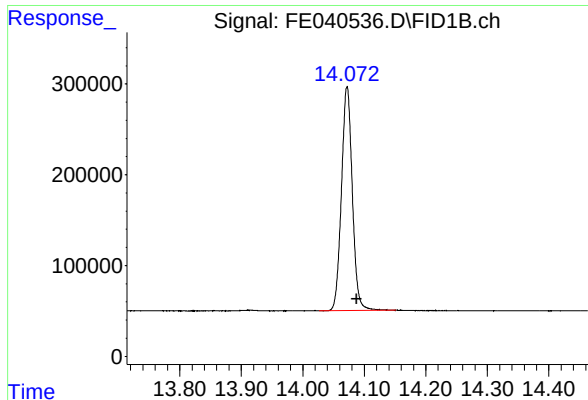
#11 n-Heneicosane (C21)

R.T.: 13.486 min
Delta R.T.: -0.015 min
Response: 3079218
Conc: 20.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.015 min
Response: 2524974
Conc: 20.36 ug/ml



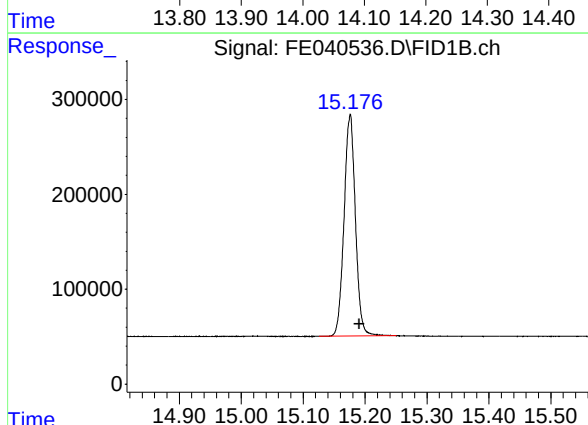
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.016 min
Response: 3027766
Conc: 20.43 ug/ml

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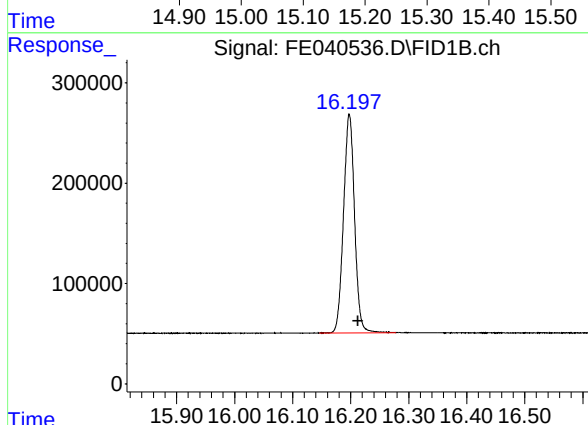
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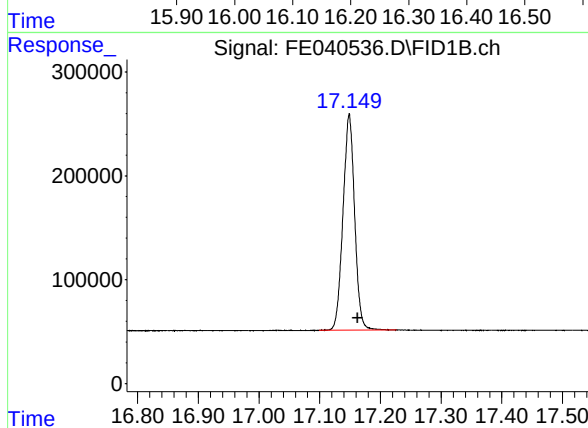
#14 n-Tetracosane (C24)

R.T.: 15.176 min
Delta R.T.: -0.015 min
Response: 2975326
Conc: 19.60 ug/ml



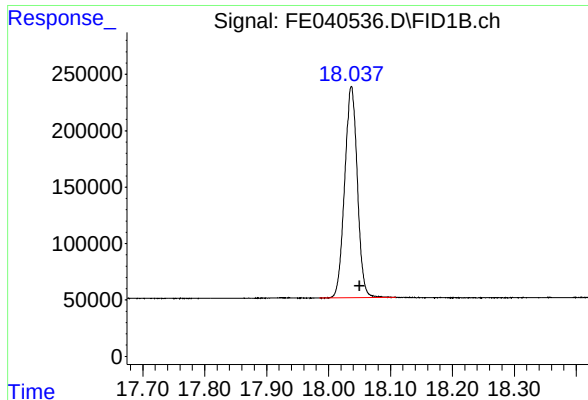
#15 n-Hexacosane (C26)

R.T.: 16.198 min
Delta R.T.: -0.015 min
Response: 2878476
Conc: 19.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.149 min
Delta R.T.: -0.014 min
Response: 2771057
Conc: 18.49 ug/ml



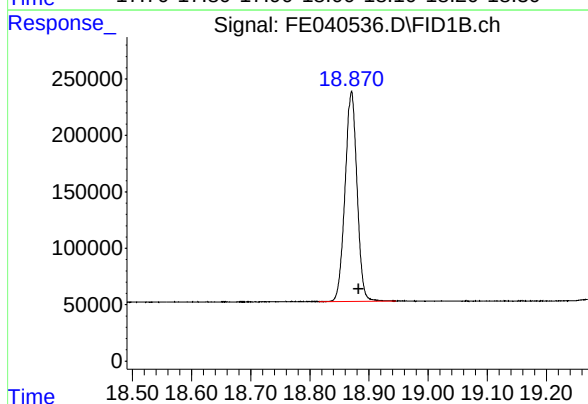
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.013 min
Response: 2667233
Conc: 18.08 ug/ml

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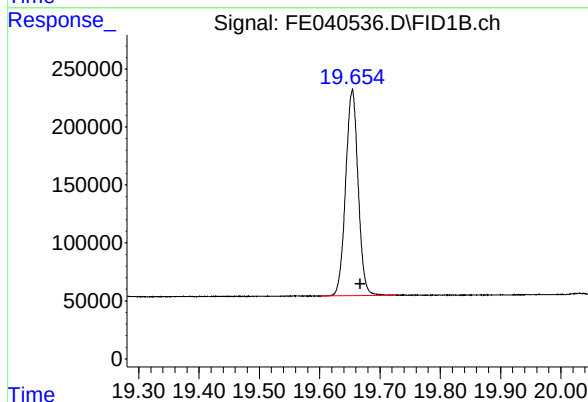
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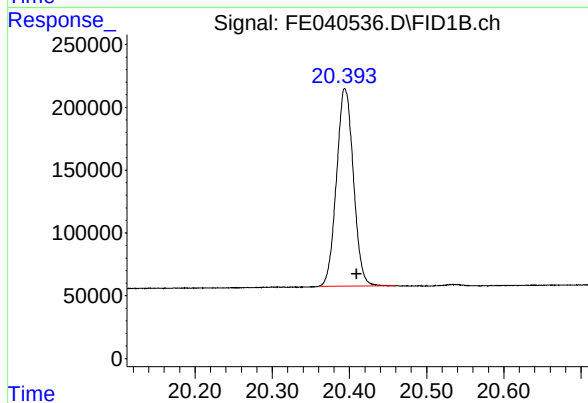
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.012 min
Response: 2619842
Conc: 17.89 ug/ml



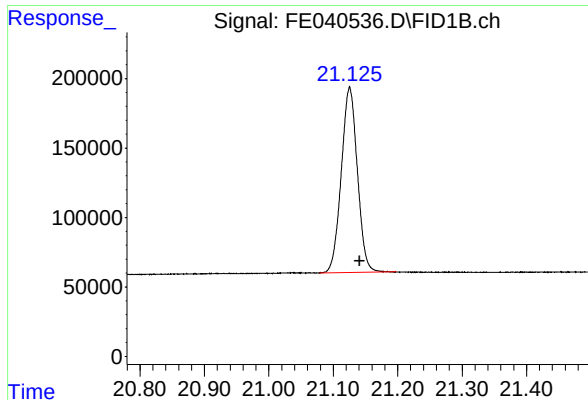
#19 n-Tetratriacontane (C34)

R.T.: 19.654 min
Delta R.T.: -0.013 min
Response: 2558326
Conc: 18.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.394 min
Delta R.T.: -0.015 min
Response: 2391688
Conc: 18.03 ug/ml



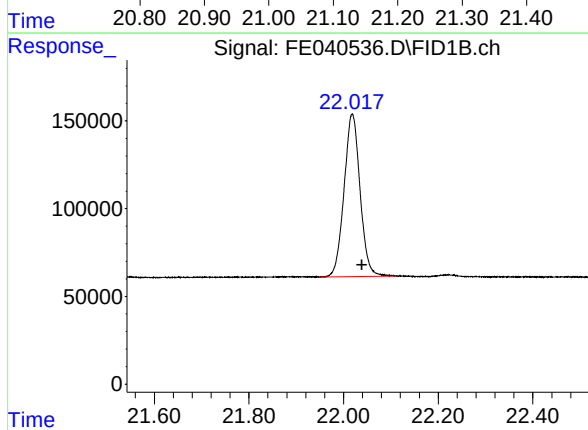
#21 n-Octatriacontane (C38)

R.T.: 21.125 min
Delta R.T.: -0.016 min
Response: 2311721
Conc: 17.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.018 min
Delta R.T.: -0.020 min
Response: 2170980
Conc: 16.35 ug/ml