

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041723AL\
 Data File : FE041377.D
 Signal(s) : FID1B.ch
 Acq On : 17 Apr 2023 09:08
 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 04/18/2023
 Supervised By :Ankita Jodhani 04/18/2023

Integration File: autoint1.e
 Quant Time: Apr 18 01:01:27 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)	11.844	3818169	20.316 ug/ml
Spiked Amount 50.000		Recovery =	40.63%
12) S 1-chlorooctadecane (S...	13.283	2879684	20.015 ug/ml
Spiked Amount 50.000		Recovery =	40.03%
Target Compounds			
1) T n-Nonane (C9)	3.238	3441927	19.837 ug/ml
2) T n-Decane (C10)	4.485	3425136	20.122 ug/ml
3) T A~Naphthalene (C11.7)	6.188	3710504	20.286 ug/ml
4) T n-Dodecane (C12)	6.650	3499529	20.175 ug/ml
5) T A~2-methylnaphthalene...	7.284	3462453	20.907 ug/ml
6) T n-Tetradecane (C14)	8.477	3516534	20.168 ug/ml
7) T n-Hexadecane (C16)	10.085	3606595	20.279 ug/ml
8) T n-Octadecane (C18)	11.528	3626203	20.309 ug/ml
10) T n-Eicosane (C20)	12.839	3477615	20.388 ug/ml
11) T n-Heneicosane (C21)	13.451	3445741	20.367 ug/ml
13) T n-Docosane (C22)	14.038	3364166	20.329 ug/ml
14) T n-Tetracosane (C24)	15.143	3278144	20.262 ug/ml
15) T n-Hexacosane (C26)	16.164	3161565	20.395 ug/ml
16) T n-Octacosane (C28)	17.117	3125329	20.403 ug/ml
17) T n-Tricontane (C30)	18.005	3154783	20.639 ug/ml
18) T n-Dotriacontane (C32)	18.841	3247276	20.799 ug/ml
19) T n-Tetratriacontane (C34)	19.627	3280486	21.169 ug/ml
20) T n-Hexatriacontane (C36)	20.368	3176599	20.913 ug/ml
21) T n-Octatriacontane (C38)	21.098	3229420	20.672 ug/ml
22) T n-Tetracontane (C40)	21.981	3356711	21.031 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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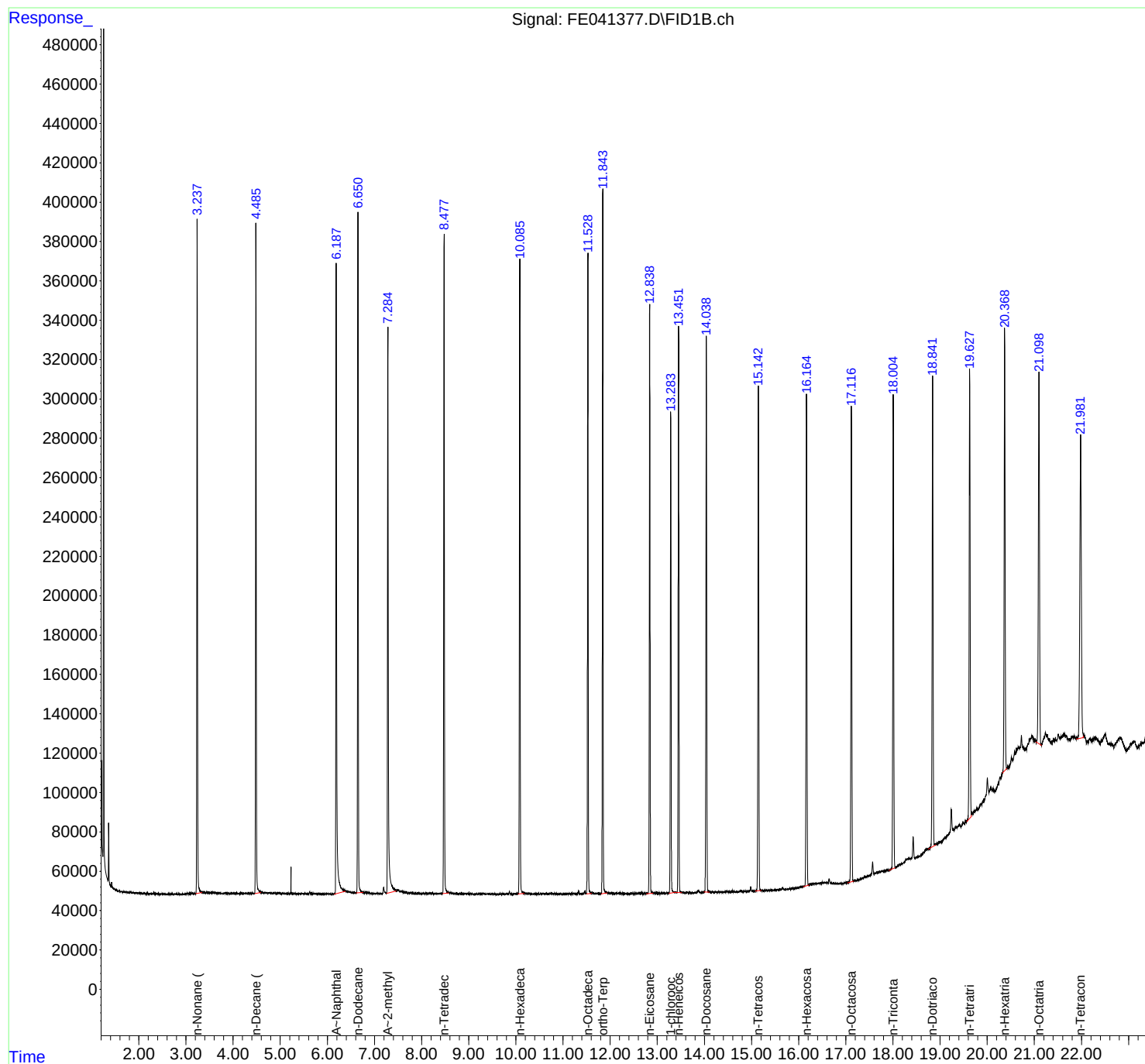
Instrument :
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20 PPM ALIPHATIC HC STD

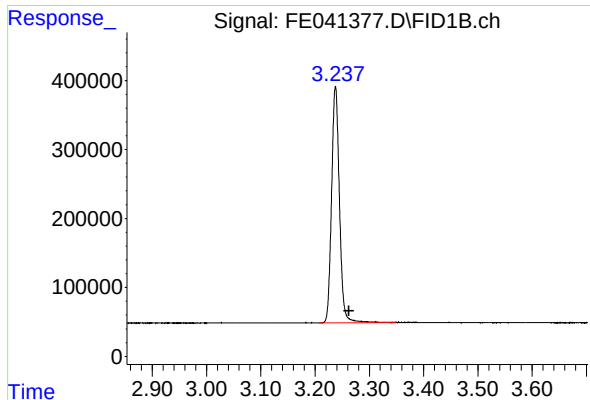
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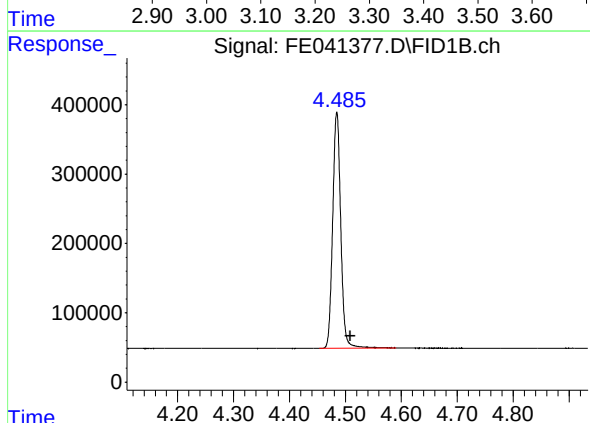
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.024 min
Response: 3441927
Conc: 19.84 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

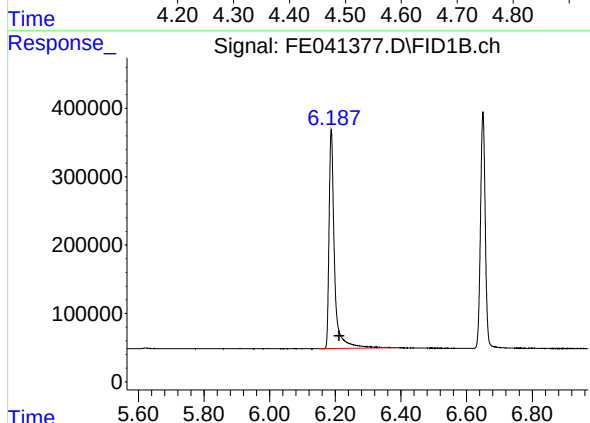
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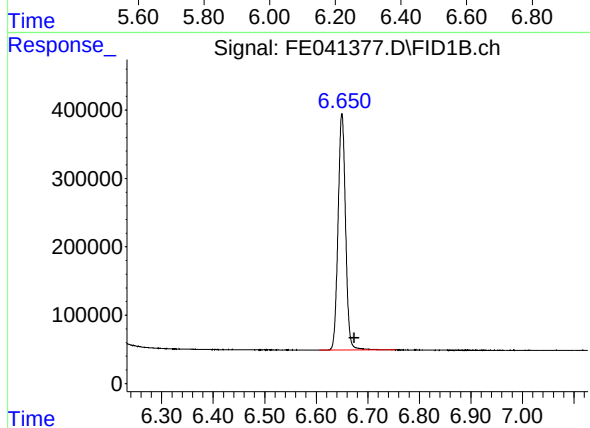
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.024 min
Response: 3425136
Conc: 20.12 ug/ml



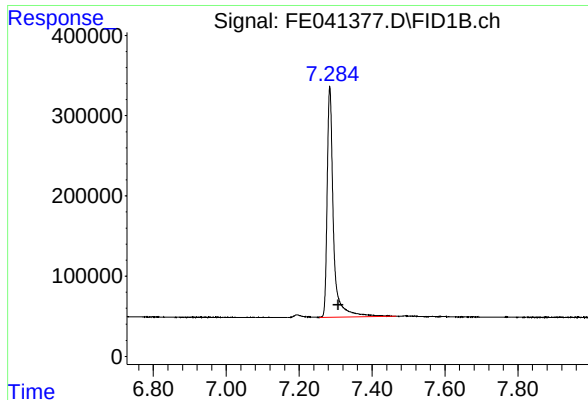
#3 A~Naphthalene (C11.7)

R.T.: 6.188 min
Delta R.T.: -0.024 min
Response: 3710504
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.024 min
Response: 3499529
Conc: 20.17 ug/ml



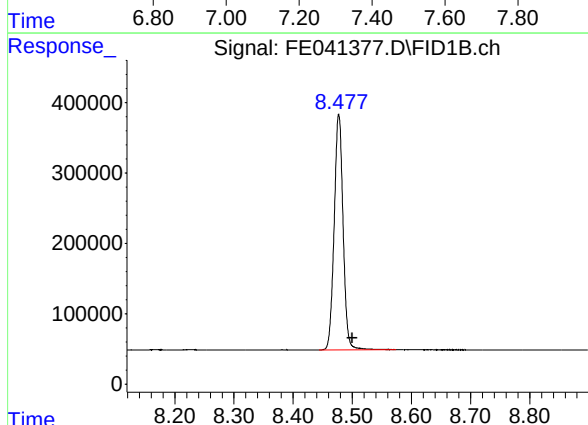
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.284 min
Delta R.T.: -0.023 min
Response: 3462453
Conc: 20.91 ug/ml

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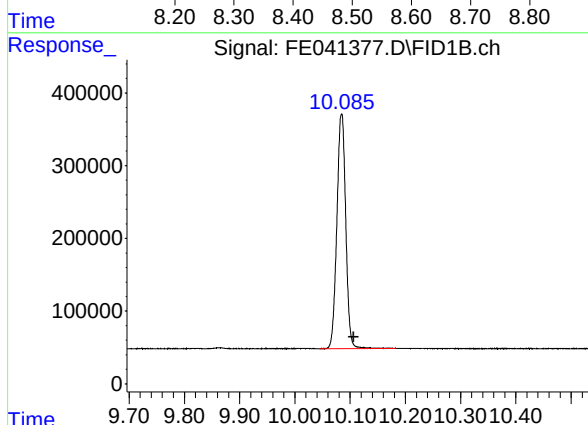
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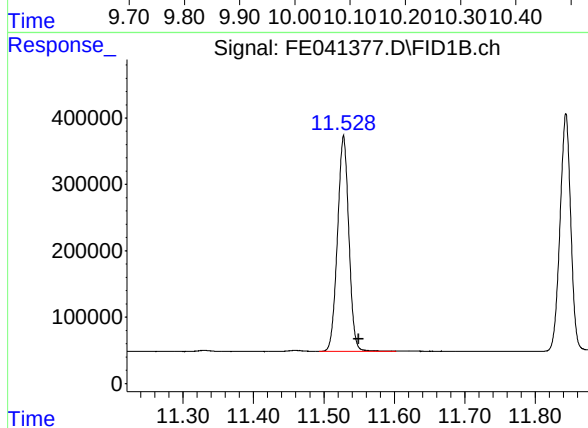
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: -0.023 min
Response: 3516534
Conc: 20.17 ug/ml



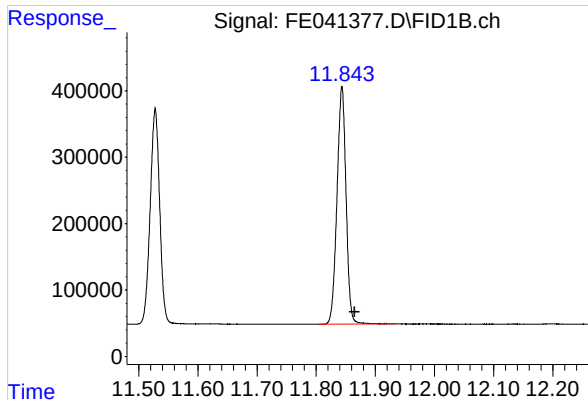
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.022 min
Response: 3606595
Conc: 20.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.021 min
Response: 3626203
Conc: 20.31 ug/ml



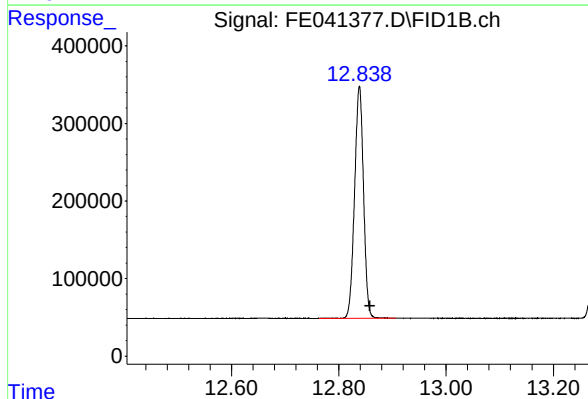
#9 ortho-Terphenyl (SURR)

R.T.: 11.844 min
Delta R.T.: -0.021 min
Response: 3818169
Conc: 20.32 ug/ml

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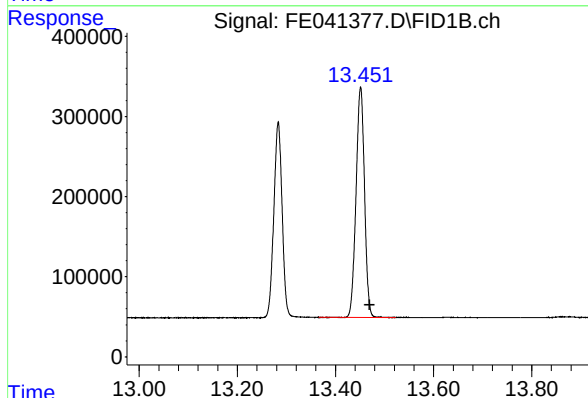
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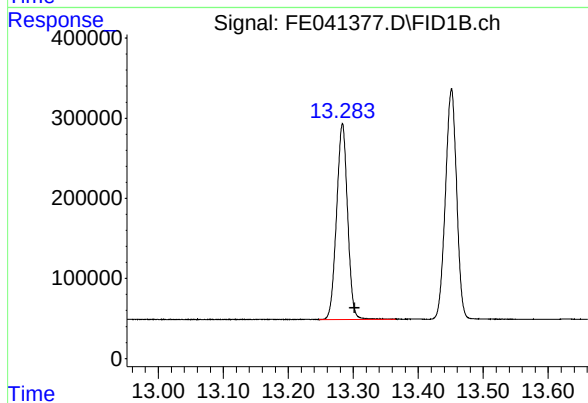
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.020 min
Response: 3477615
Conc: 20.39 ug/ml



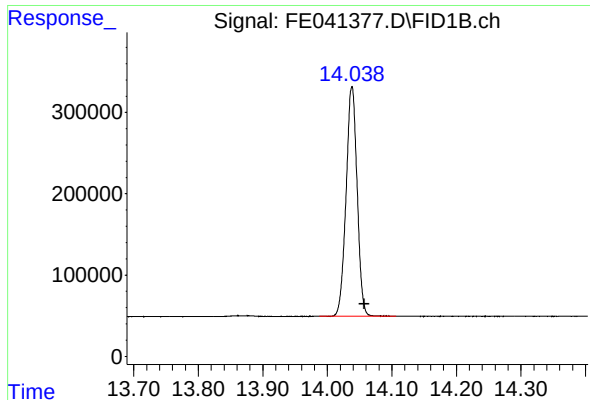
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.019 min
Response: 3445741
Conc: 20.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.019 min
Response: 2879684
Conc: 20.01 ug/ml



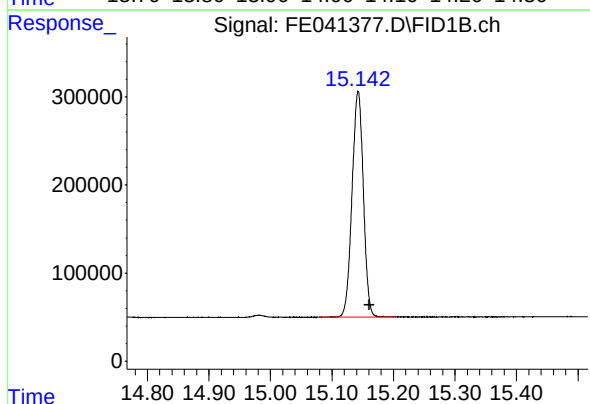
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.019 min
Response: 3364166
Conc: 20.33 ug/ml

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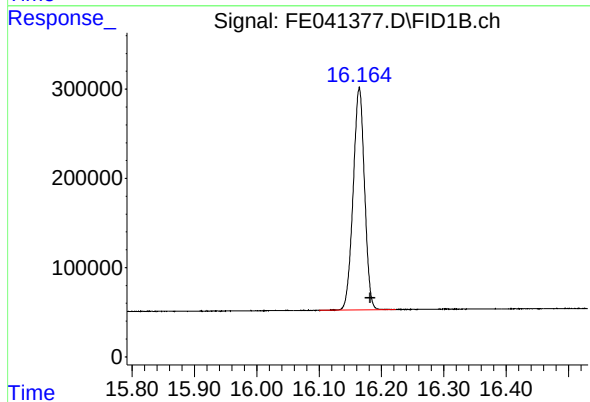
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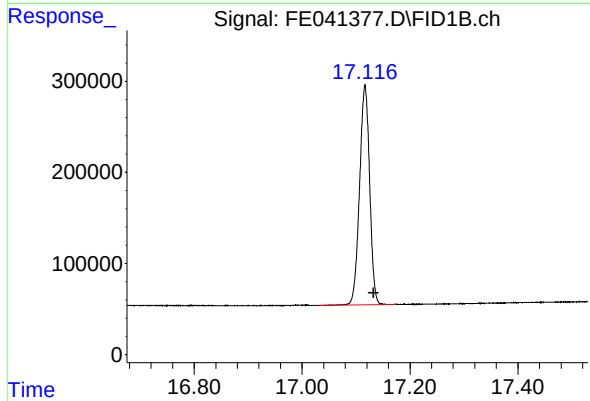
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.018 min
Response: 3278144
Conc: 20.26 ug/ml



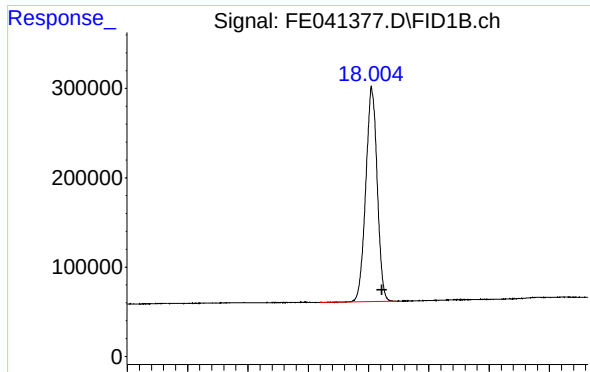
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: -0.018 min
Response: 3161565
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.017 min
Response: 3125329
Conc: 20.40 ug/ml



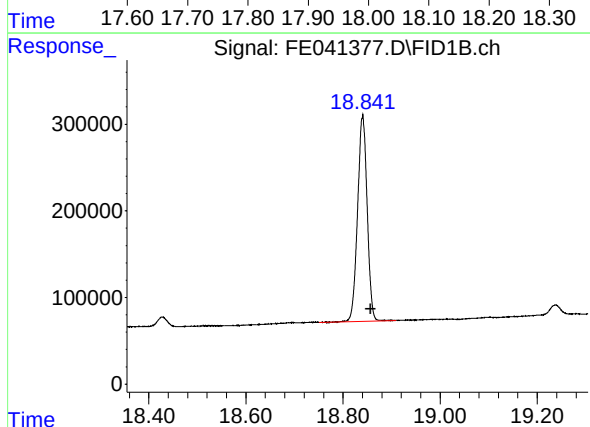
#17 n-Tricontane (C30)

R.T.: 18.005 min
Delta R.T.: -0.017 min
Response: 3154783
Conc: 20.64 ug/ml

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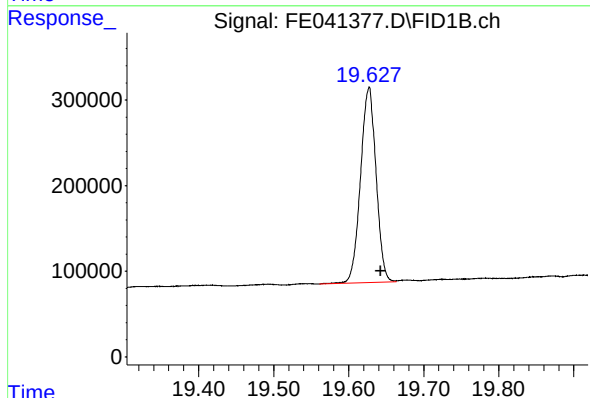
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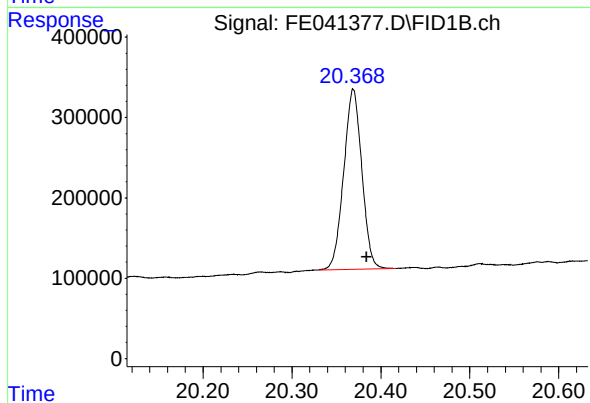
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.016 min
Response: 3247276
Conc: 20.80 ug/ml



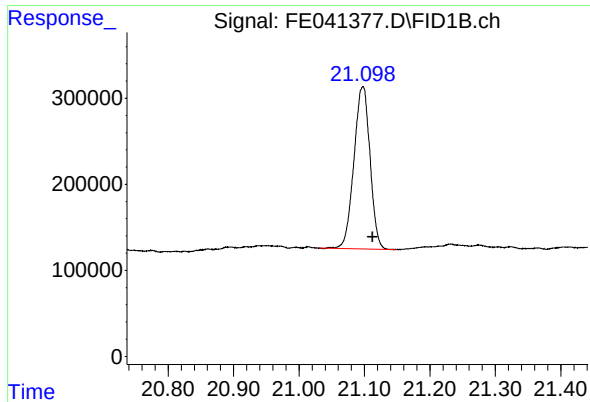
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.015 min
Response: 3280486
Conc: 21.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.016 min
Response: 3176599
Conc: 20.91 ug/ml m



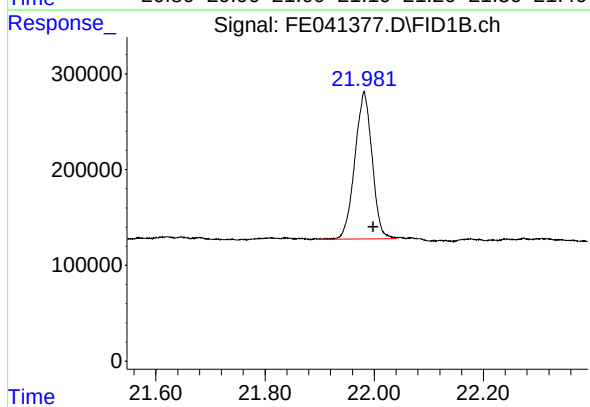
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.014 min
Response: 3229420
Conc: 20.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.981 min
Delta R.T.: -0.016 min
Response: 3356711
Conc: 21.03 ug/ml