

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032223AL\
 Data File : FE040941.D
 Signal(s) : FID1B.ch
 Acq On : 22 Mar 2023 13:01
 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 03/23/2023
 Supervised By :Ankita Jodhani 03/23/2023

Integration File: autoint1.e
 Quant Time: Mar 23 00:12:58 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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)	11.865	3470573	18.578 ug/ml
Spiked Amount 50.000		Recovery =	37.16%
12) S 1-chlorooctadecane (S...	13.304	2710892	18.316 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.264	3105728	20.184 ug/ml
2) T n-Decane (C10)	4.511	3095515	20.576 ug/ml
3) T A~Naphthalene (C11.7)	6.214	3403078	20.517 ug/ml
4) T n-Dodecane (C12)	6.675	3141145	20.519 ug/ml
5) T A~2-methylnaphthalene...	7.309	3091361	20.426 ug/ml
6) T n-Tetradecane (C14)	8.501	3171000	20.517 ug/ml
7) T n-Hexadecane (C16)	10.108	3259707	20.181 ug/ml
8) T n-Octadecane (C18)	11.550	3306226	19.472 ug/ml
10) T n-Eicosane (C20)	12.859	3180564	18.801 ug/ml
11) T n-Heneicosane (C21)	13.471	3163298	18.460 ug/ml
13) T n-Docosane (C22)	14.058	3106332	18.133 ug/ml
14) T n-Tetracosane (C24)	15.161	3039511	17.631 ug/ml
15) T n-Hexacosane (C26)	16.183	2911073	17.128 ug/ml
16) T n-Octacosane (C28)	17.133	2850573	16.998 ug/ml
17) T n-Tricontane (C30)	18.022	2837646	17.379 ug/ml
18) T n-Dotriacontane (C32)	18.856	2909285	16.998 ug/ml
19) T n-Tetratriacontane (C34)	19.641	2811631	18.186 ug/mlm
20) T n-Hexatriacontane (C36)	20.380	2704084	18.613 ug/mlm
21) T n-Octatriacontane (C38)	21.109	2786118	20.269 ug/ml
22) T n-Tetracontane (C40)	21.996	2891152	18.710 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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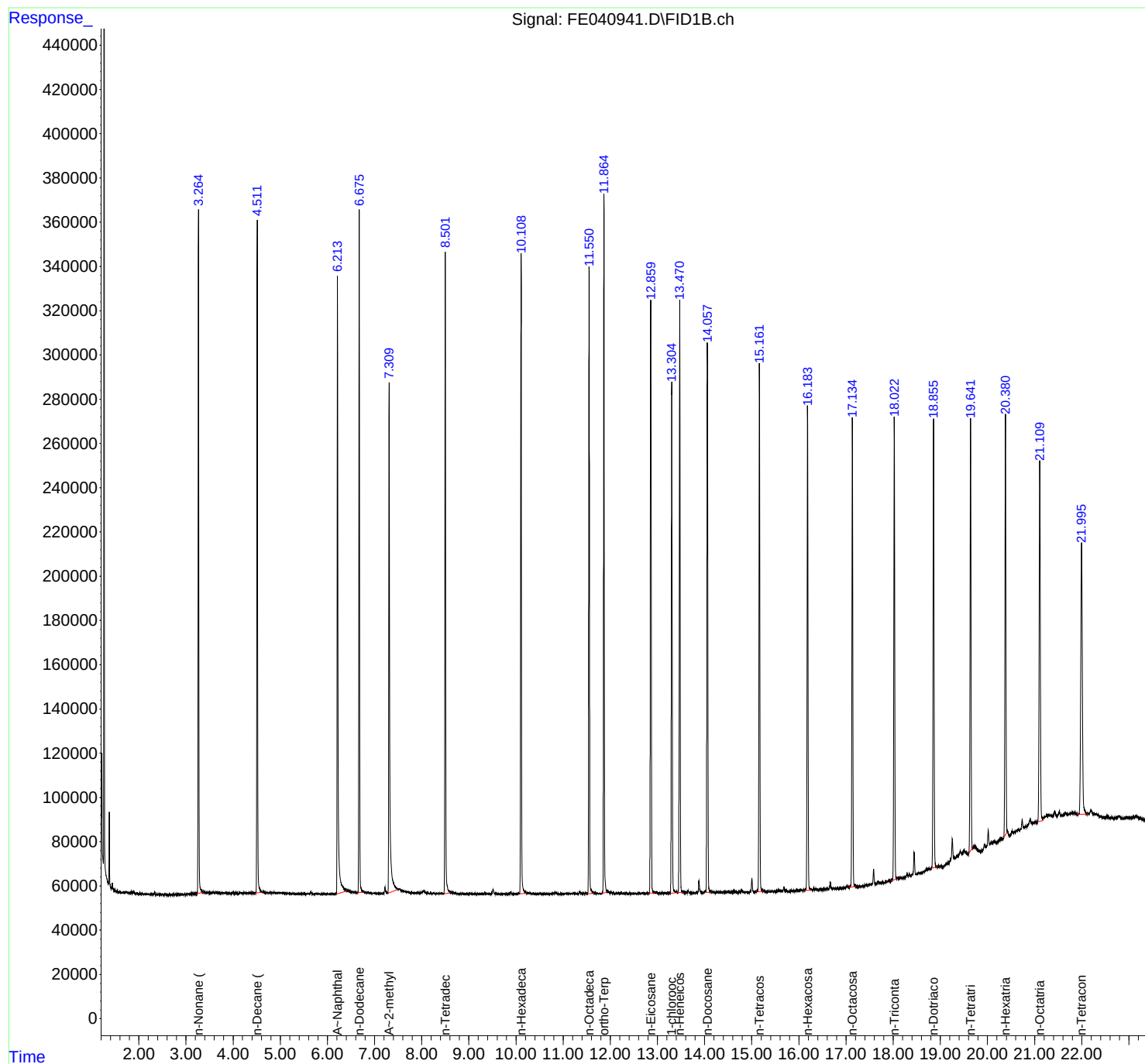
Instrument :
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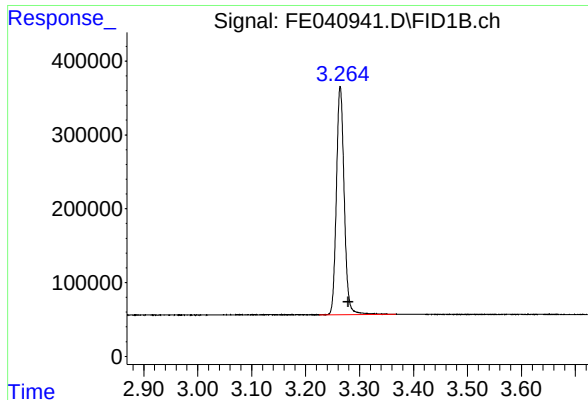
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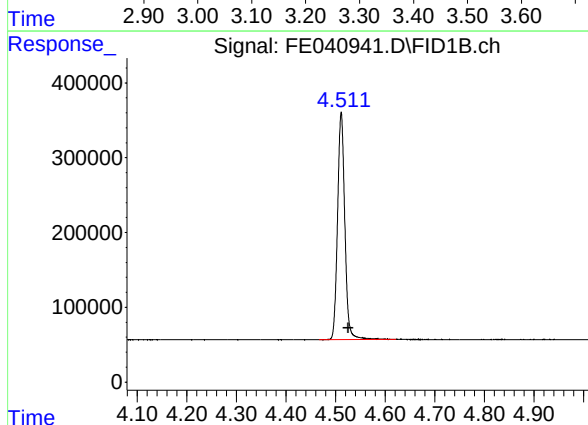
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.015 min
Response: 3105728
Conc: 20.18 ug/ml

Instrument :
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ClientSampleId :
20 PPM ALIPHATIC HC STD

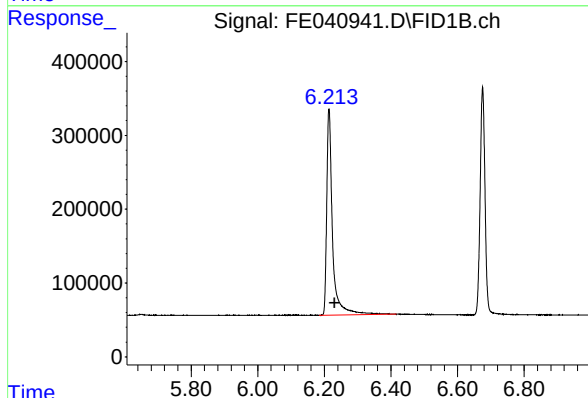
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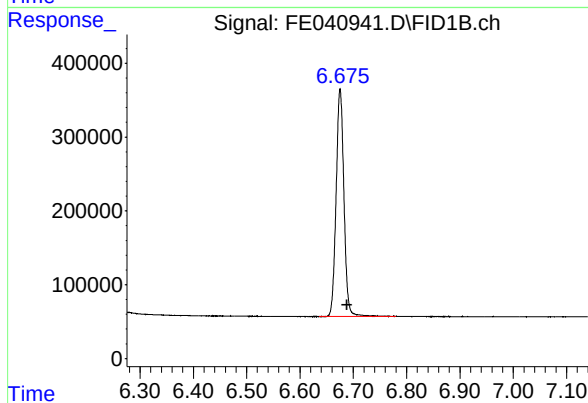
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.014 min
Response: 3095515
Conc: 20.58 ug/ml



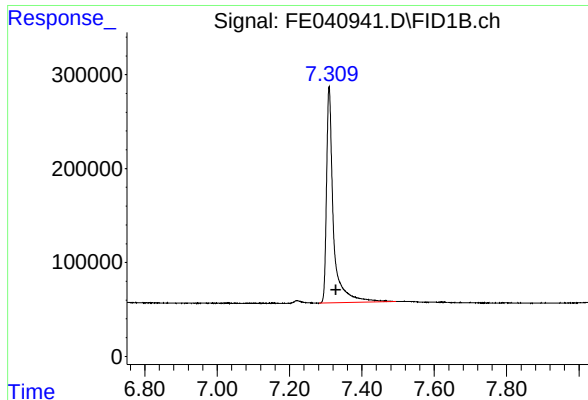
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.017 min
Response: 3403078
Conc: 20.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.012 min
Response: 3141145
Conc: 20.52 ug/ml



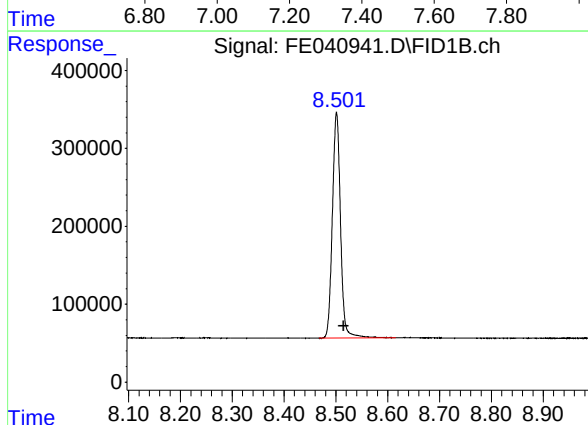
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.309 min
Delta R.T.: -0.019 min
Response: 3091361
Conc: 20.43 ug/ml

Instrument : FID_E
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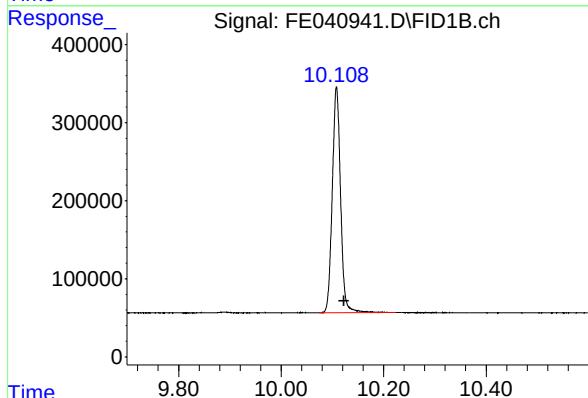
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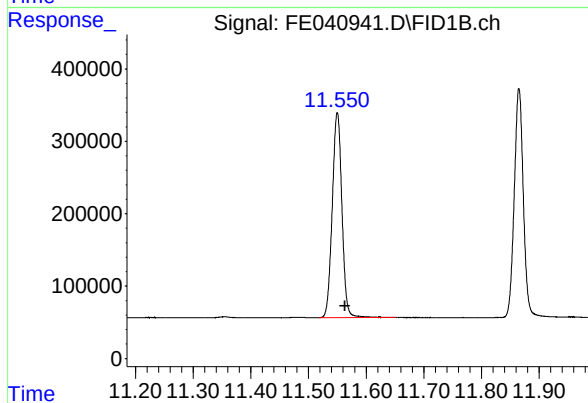
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.014 min
Response: 3171000
Conc: 20.52 ug/ml



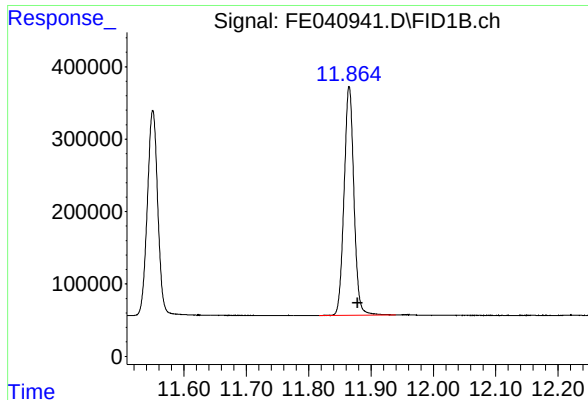
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.015 min
Response: 3259707
Conc: 20.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.013 min
Response: 3306226
Conc: 19.47 ug/ml



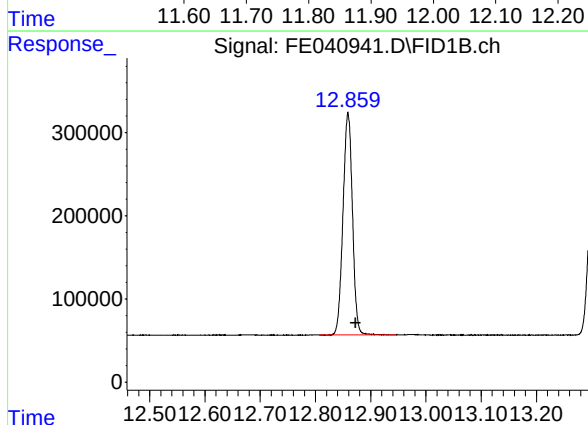
#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.014 min
Response: 3470573
Conc: 18.58 ug/ml

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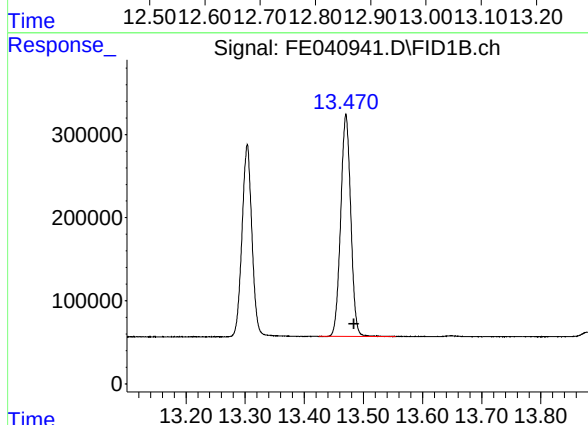
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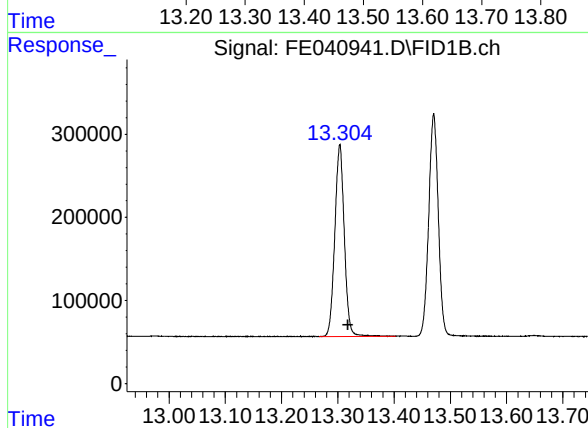
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: -0.014 min
Response: 3180564
Conc: 18.80 ug/ml



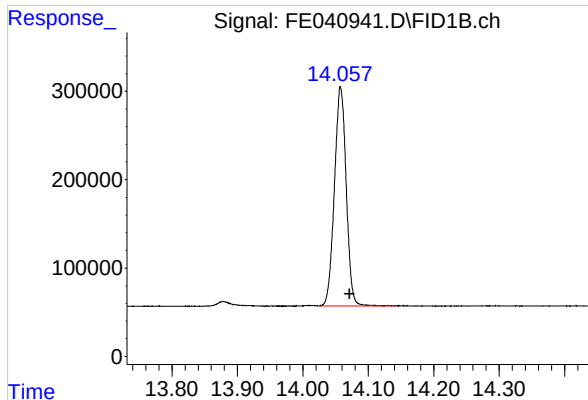
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: -0.014 min
Response: 3163298
Conc: 18.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.304 min
Delta R.T.: -0.014 min
Response: 2710892
Conc: 18.32 ug/ml



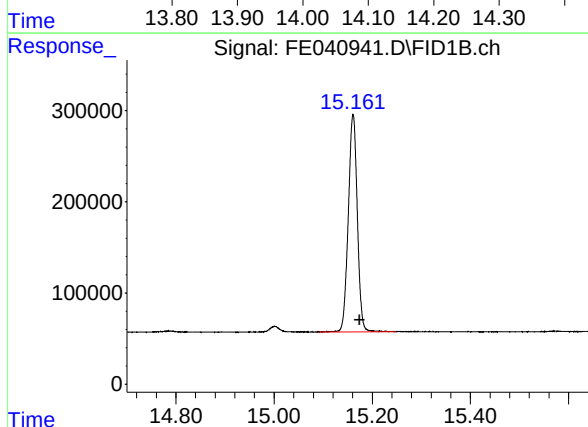
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.014 min
Response: 3106332
Conc: 18.13 ug/ml

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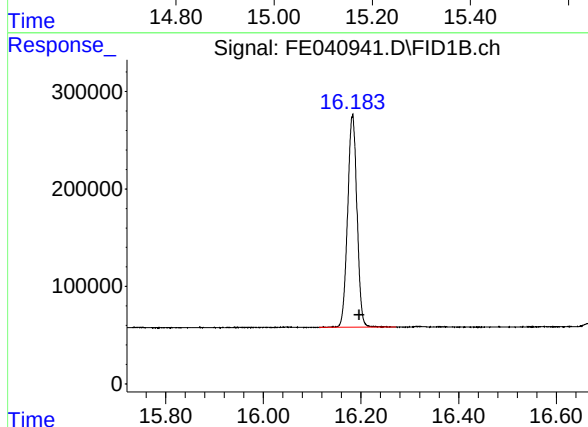
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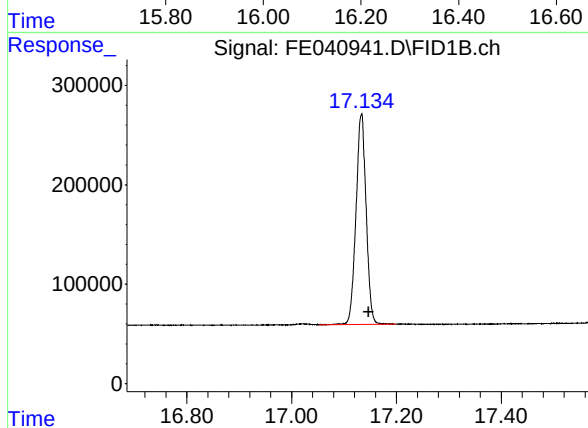
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: -0.013 min
Response: 3039511
Conc: 17.63 ug/ml



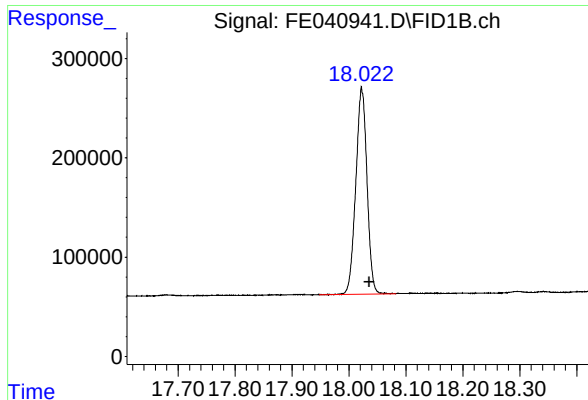
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: -0.014 min
Response: 2911073
Conc: 17.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: -0.014 min
Response: 2850573
Conc: 17.00 ug/ml



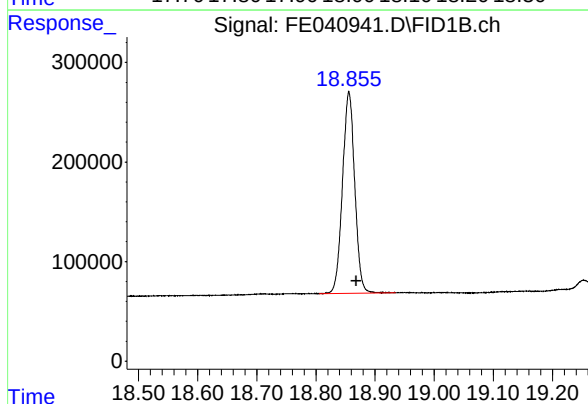
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.014 min
Response: 2837646
Conc: 17.38 ug/ml

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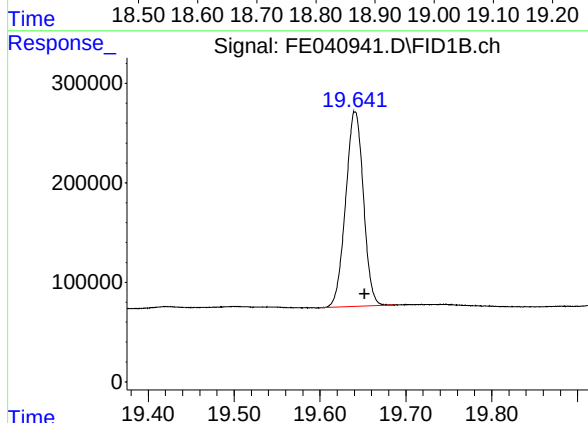
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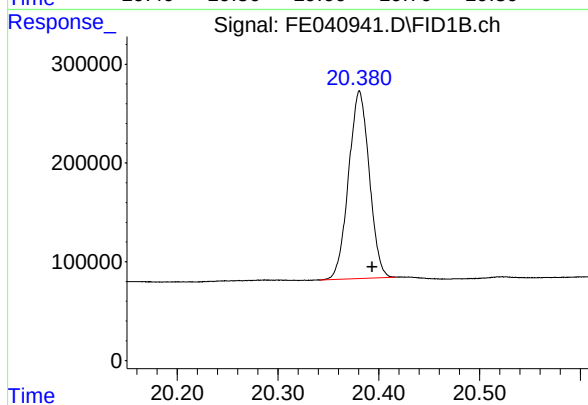
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: -0.012 min
Response: 2909285
Conc: 17.00 ug/ml



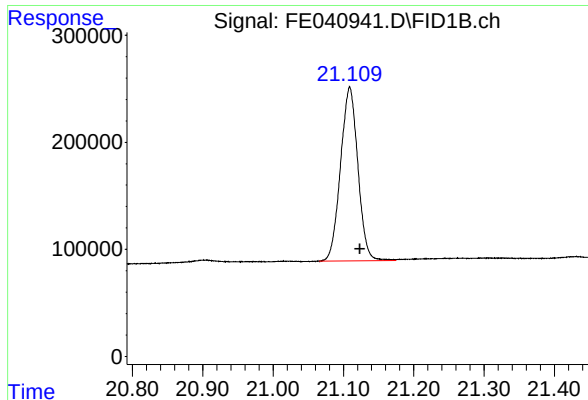
#19 n-Tetatriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.011 min
Response: 2811631
Conc: 18.19 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: -0.013 min
Response: 2704084
Conc: 18.61 ug/ml m



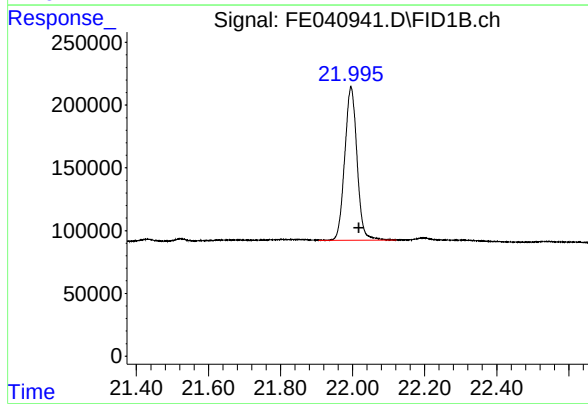
#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.015 min
Response: 2786118
Conc: 20.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.996 min
Delta R.T.: -0.023 min
Response: 2891152
Conc: 18.71 ug/ml