

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050323AL\
 Data File : FE041698.D
 Signal(s) : FID1B.ch
 Acq On : 03 May 2023 11:06
 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 05/04/2023
 Supervised By :Ankita Jodhani 05/04/2023

Integration File: autoint1.e
 Quant Time: May 03 15:06:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.978	4000344	21.323 ug/ml
Spiked Amount 50.000		Recovery =	42.65%
12) S 1-chlorooctadecane (S...	13.414	2948809	20.874 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
Target Compounds			
1) T n-Nonane (C9)	3.353	3205004	21.803 ug/ml
2) T n-Decane (C10)	4.607	3328206	22.191 ug/ml
3) T A~Naphthalene (C11.7)	6.314	3677482	22.222 ug/ml
4) T n-Dodecane (C12)	6.776	3359170	22.093 ug/ml
5) T A~2-methylnaphthalene...	7.411	3582932	22.220 ug/ml
6) T n-Tetradecane (C14)	8.606	3352122	22.067 ug/ml
7) T n-Hexadecane (C16)	10.214	3485940	21.844 ug/ml
8) T n-Octadecane (C18)	11.659	3535489	21.569 ug/ml
10) T n-Eicosane (C20)	12.969	3403384	21.159 ug/ml
11) T n-Heneicosane (C21)	13.582	3347045	21.002 ug/ml
13) T n-Docosane (C22)	14.168	3318575	20.828 ug/ml
14) T n-Tetracosane (C24)	15.272	3287935	20.394 ug/ml
15) T n-Hexacosane (C26)	16.293	3173780	20.075 ug/ml
16) T n-Octacosane (C28)	17.243	3080423	20.019 ug/ml
17) T n-Tricontane (C30)	18.132	3105280	20.389 ug/ml
18) T n-Dotriacontane (C32)	18.966	3028304	20.327 ug/ml
19) T n-Tetratriacontane (C34)	19.750	2959382	21.007 ug/ml
20) T n-Hexatriacontane (C36)	20.489	2894805	21.647 ug/mlm
21) T n-Octatriacontane (C38)	21.244	2967839	22.461 ug/ml
22) T n-Tetracontane (C40)	22.189	3043297	24.037 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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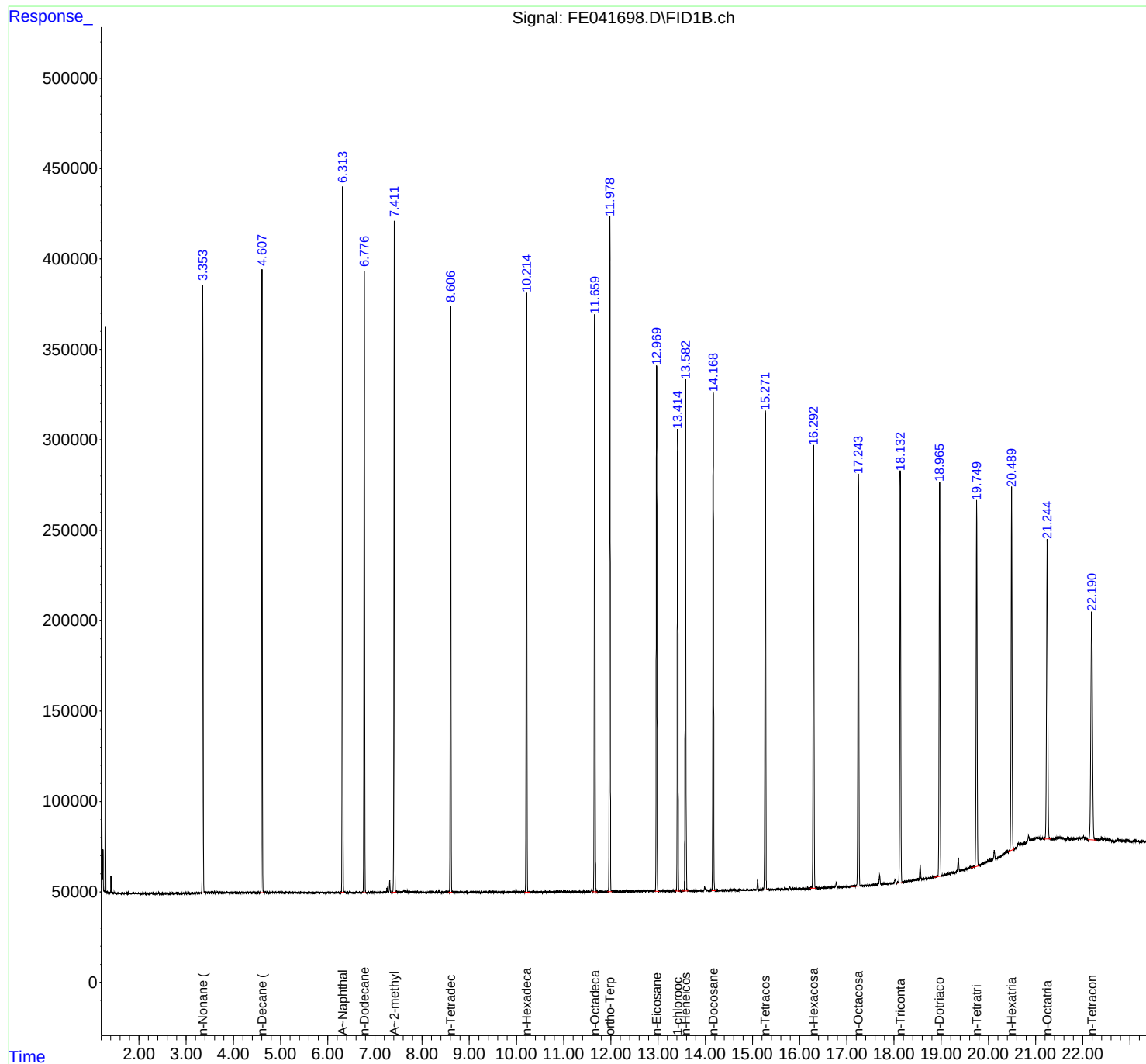
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20 PPM ALIPHATIC HC STD

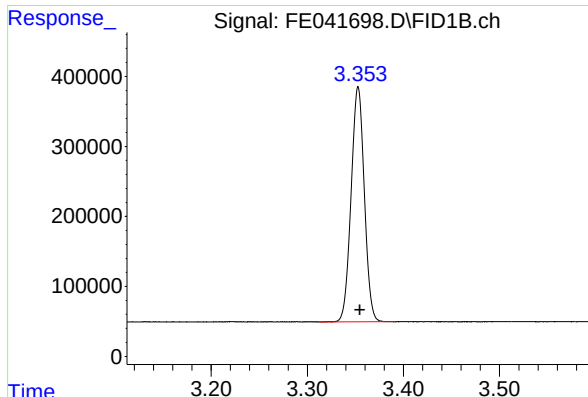
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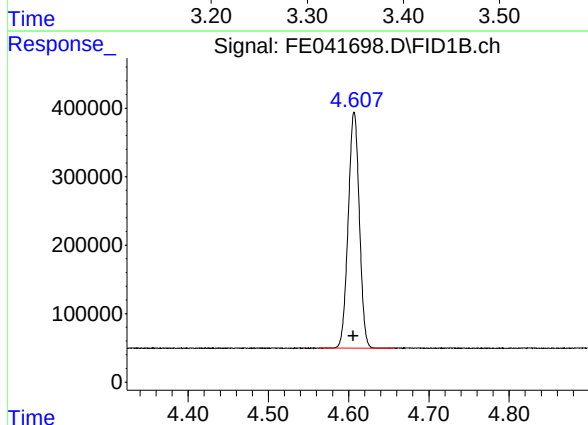
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: -0.002 min
Response: 3205004
Conc: 21.80 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

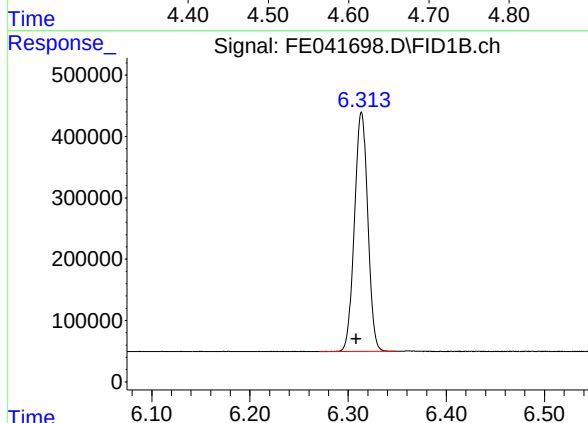
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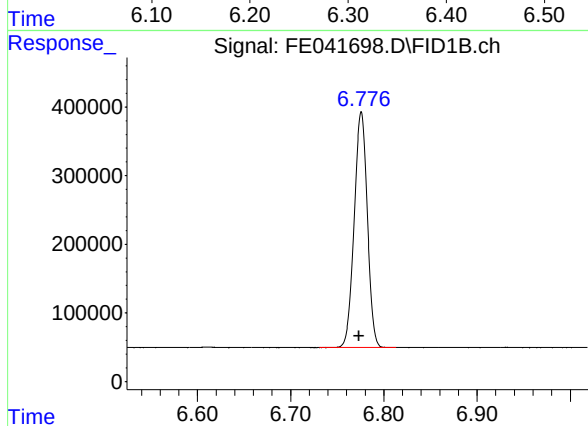
#2 n-Decane (C10)

R.T.: 4.607 min
Delta R.T.: 0.001 min
Response: 3328206
Conc: 22.19 ug/ml



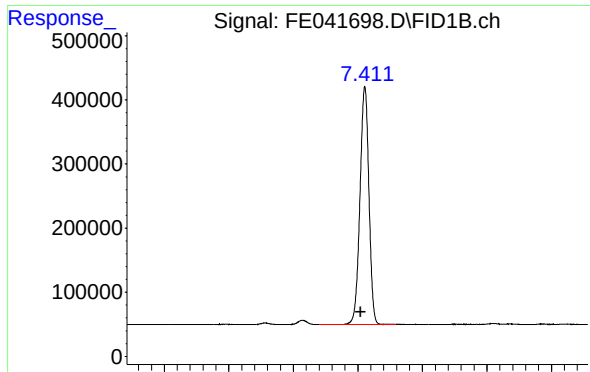
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.006 min
Response: 3677482
Conc: 22.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.776 min
Delta R.T.: 0.002 min
Response: 3359170
Conc: 22.09 ug/ml



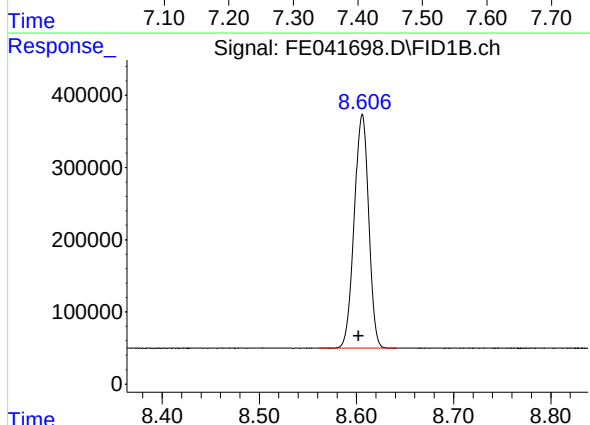
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.411 min
Delta R.T.: 0.006 min
Response: 3582932
Conc: 22.22 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

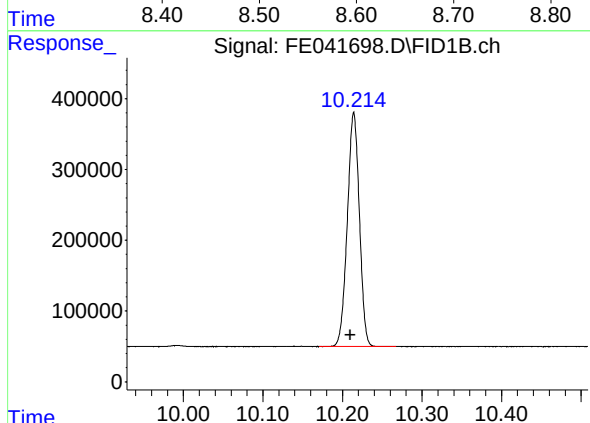
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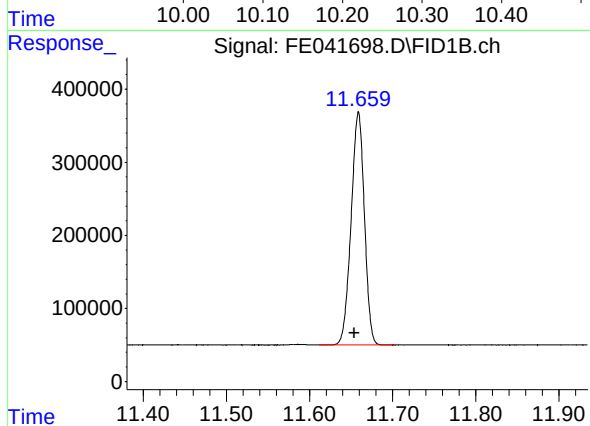
#6 n-Tetradecane (C14)

R.T.: 8.606 min
Delta R.T.: 0.004 min
Response: 3352122
Conc: 22.07 ug/ml



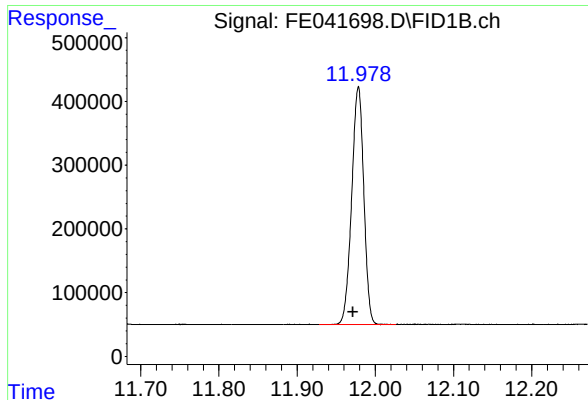
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.004 min
Response: 3485940
Conc: 21.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.659 min
Delta R.T.: 0.005 min
Response: 3535489
Conc: 21.57 ug/ml



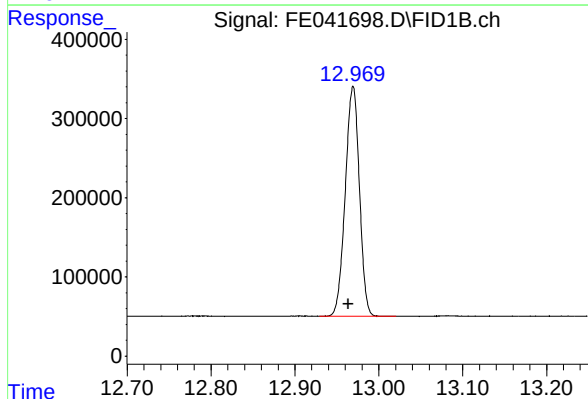
#9 ortho-Terphenyl (SURR)

R.T.: 11.978 min
Delta R.T.: 0.007 min
Response: 4000344
Conc: 21.32 ug/ml

Instrument : FID_E
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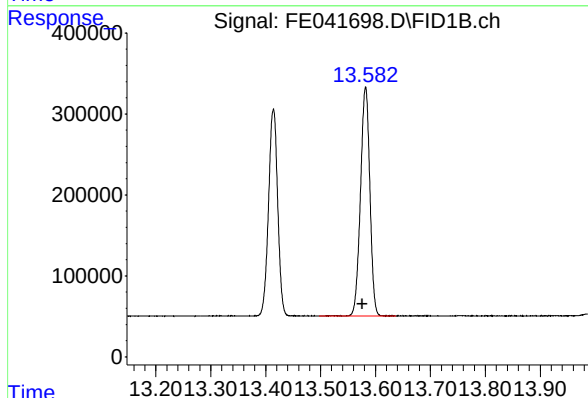
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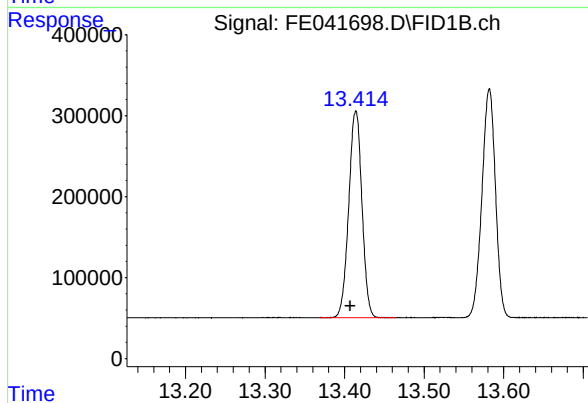
#10 n-Eicosane (C20)

R.T.: 12.969 min
Delta R.T.: 0.006 min
Response: 3403384
Conc: 21.16 ug/ml



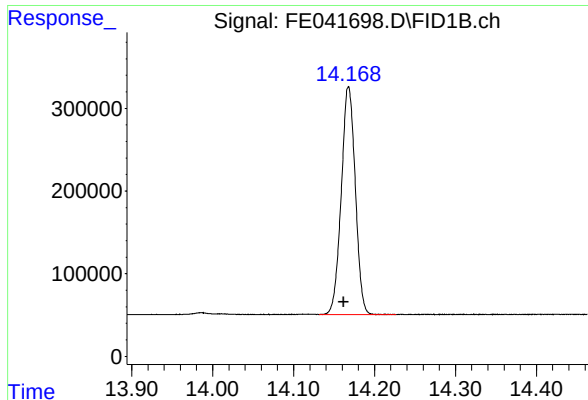
#11 n-Heneicosane (C21)

R.T.: 13.582 min
Delta R.T.: 0.006 min
Response: 3347045
Conc: 21.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.414 min
Delta R.T.: 0.007 min
Response: 2948809
Conc: 20.87 ug/ml



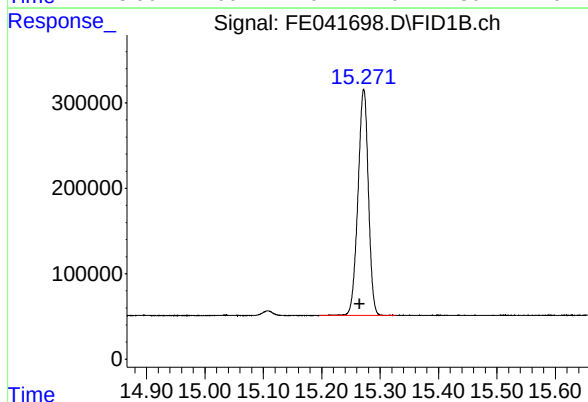
#13 n-Docosane (C22)

R.T.: 14.168 min
Delta R.T.: 0.006 min
Response: 3318575
Conc: 20.83 ug/ml

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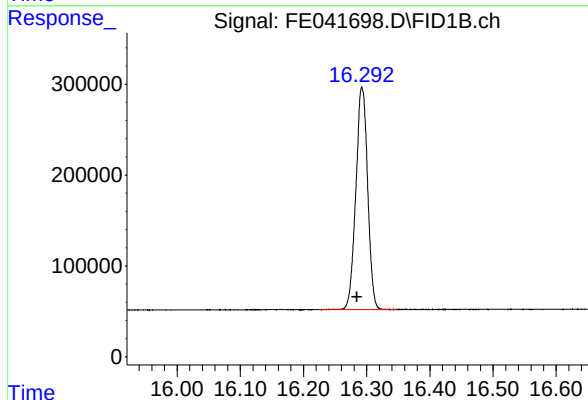
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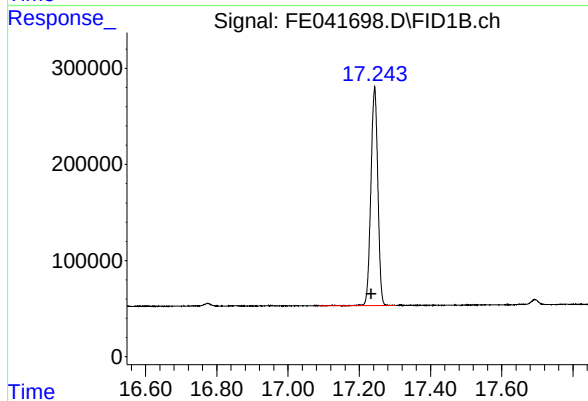
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: 0.007 min
Response: 3287935
Conc: 20.39 ug/ml



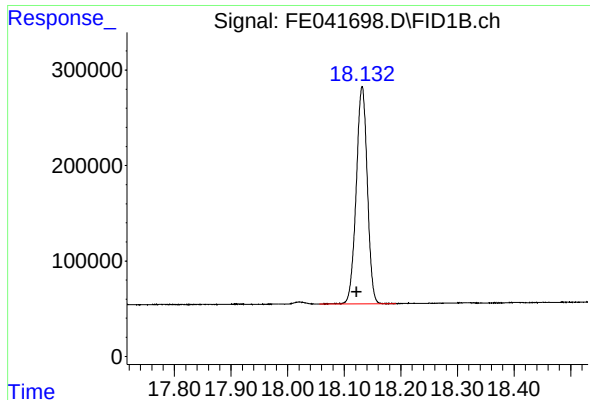
#15 n-Hexacosane (C26)

R.T.: 16.293 min
Delta R.T.: 0.008 min
Response: 3173780
Conc: 20.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.243 min
Delta R.T.: 0.009 min
Response: 3080423
Conc: 20.02 ug/ml



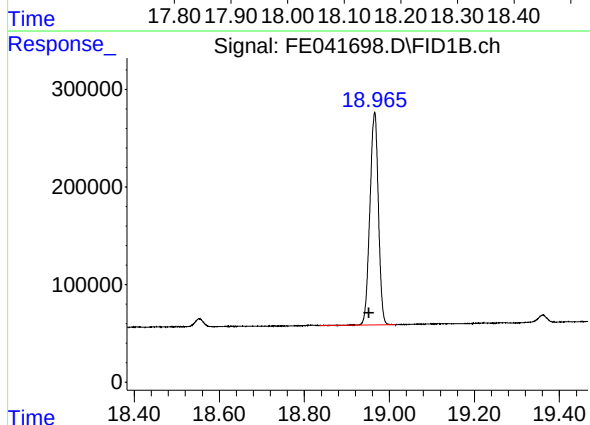
#17 n-Tricontane (C30)

R.T.: 18.132 min
Delta R.T.: 0.010 min
Response: 3105280
Conc: 20.39 ug/ml

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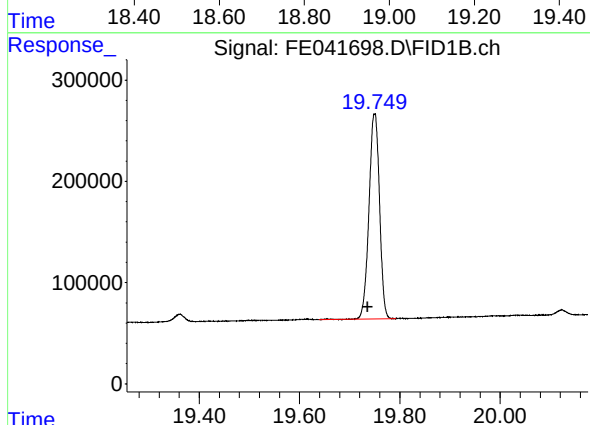
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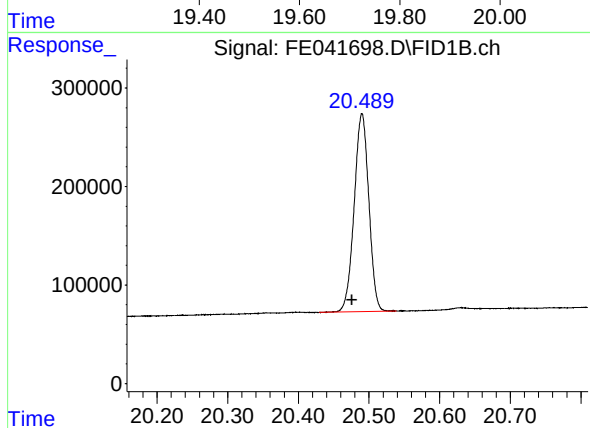
#18 n-Dotriacontane (C32)

R.T.: 18.966 min
Delta R.T.: 0.013 min
Response: 3028304
Conc: 20.33 ug/ml



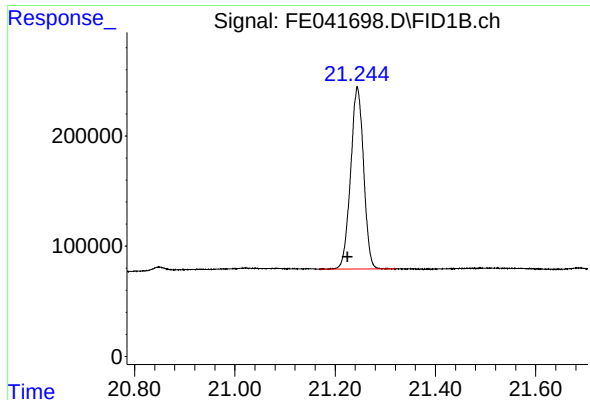
#19 n-Tetratriacontane (C34)

R.T.: 19.750 min
Delta R.T.: 0.014 min
Response: 2959382
Conc: 21.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.489 min
Delta R.T.: 0.013 min
Response: 2894805
Conc: 21.65 ug/ml m



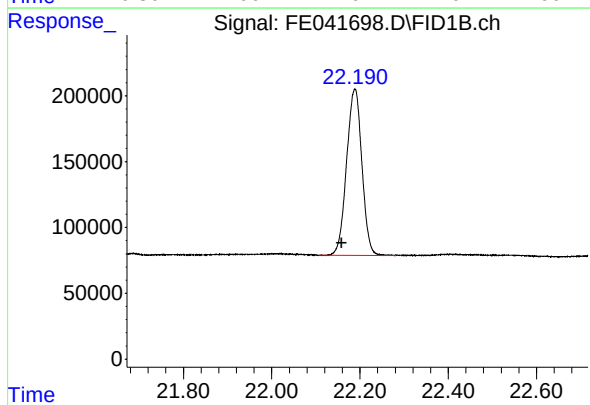
#21 n-Octatriacontane (C38)

R.T.: 21.244 min
Delta R.T.: 0.020 min
Response: 2967839
Conc: 22.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.189 min
Delta R.T.: 0.030 min
Response: 3043297
Conc: 24.04 ug/ml