

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061323AL\
 Data File : FG012170.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2023 10:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :Ankita Jodhani 06/14/2023

Integration File: autoint1.e
 Quant Time: Jun 14 00:45:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:59:06 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)	10.909	3522863	22.508 ug/ml
Spiked Amount 50.000		Recovery =	45.02%
12) S 1-chlorooctadecane (S...	12.348	2636511	22.234 ug/ml
Spiked Amount 50.000		Recovery =	44.47%
Target Compounds			
1) T n-Nonane (C9)	2.750	2642643	22.953 ug/ml
2) T n-Decane (C10)	3.760	2712395	22.995 ug/ml
3) T A~Naphthalene (C11.7)	5.327	3073165	23.446 ug/ml
4) T n-Dodecane (C12)	5.750	2764727	23.051 ug/ml
5) T A~2-methylnaphthalene...	6.377	2956469	23.420 ug/ml
6) T n-Tetradecane (C14)	7.545	2784630	22.931 ug/ml
7) T n-Hexadecane (C16)	9.147	2952224	22.739 ug/ml
8) T n-Octadecane (C18)	10.590	3064135	22.511 ug/ml
10) T n-Eicosane (C20)	11.902	3008451	22.293 ug/ml
11) T n-Heneicosane (C21)	12.514	2978906	22.163 ug/ml
13) T n-Docosane (C22)	13.101	2965117	21.943 ug/ml
14) T n-Tetracosane (C24)	14.207	2937270	21.582 ug/ml
15) T n-Hexacosane (C26)	15.229	2829339	21.150 ug/ml
16) T n-Octacosane (C28)	16.180	2718986	20.827 ug/ml
17) T n-Tricontane (C30)	17.070	2732736	20.720 ug/ml
18) T n-Dotriacontane (C32)	17.903	2692550	20.959 ug/ml
19) T n-Tetratriacontane (C34)	18.689	2643190	21.572 ug/mlm
20) T n-Hexatriacontane (C36)	19.428	2553371	21.949 ug/mlm
21) T n-Octatriacontane (C38)	20.169	2540413	22.610 ug/ml
22) T n-Tetracontane (C40)	21.086	2505855	23.258 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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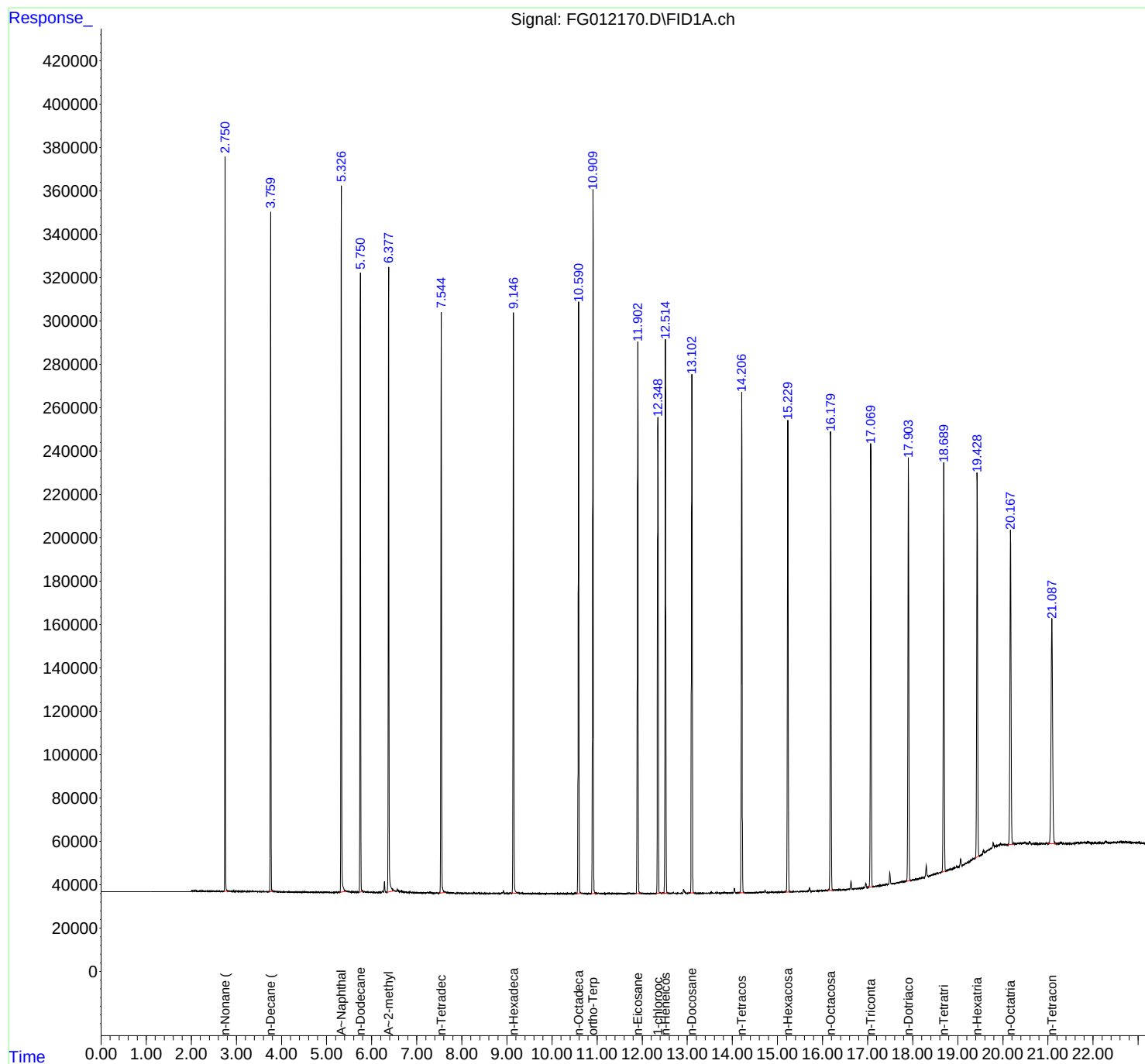
Instrument :
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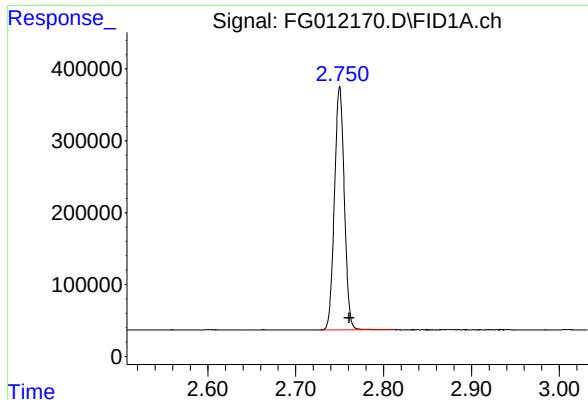
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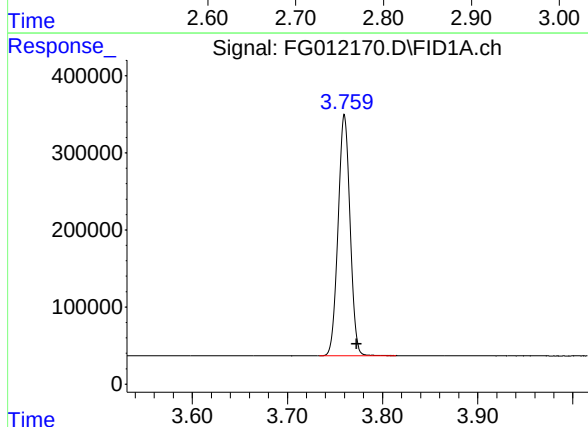
#1 n-Nonane (C9)

R.T.: 2.750 min
Delta R.T.: -0.011 min
Response: 2642643
Conc: 22.95 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

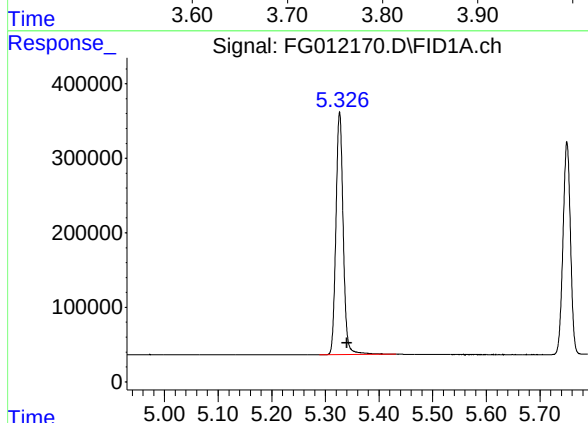
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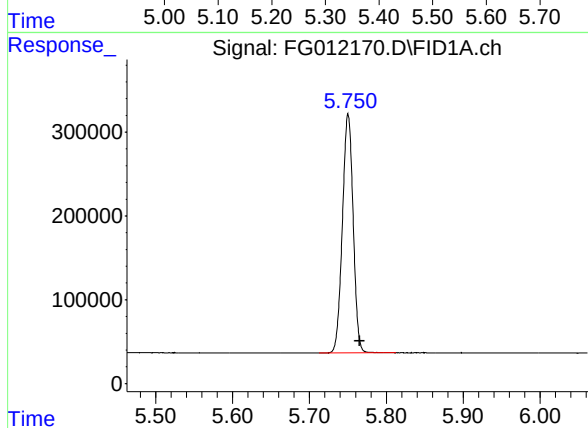
#2 n-Decane (C10)

R.T.: 3.760 min
Delta R.T.: -0.013 min
Response: 2712395
Conc: 22.99 ug/ml



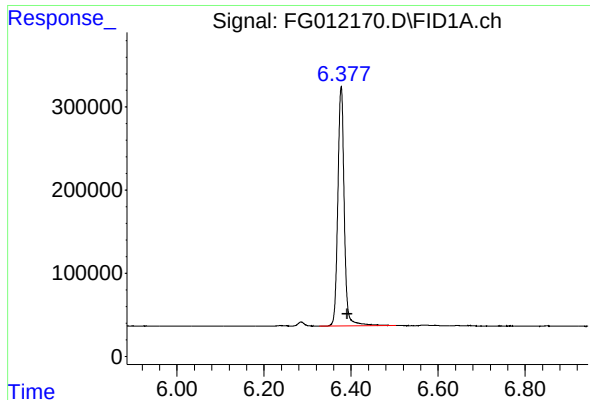
#3 A~Naphthalene (C11.7)

R.T.: 5.327 min
Delta R.T.: -0.013 min
Response: 3073165
Conc: 23.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.750 min
Delta R.T.: -0.015 min
Response: 2764727
Conc: 23.05 ug/ml



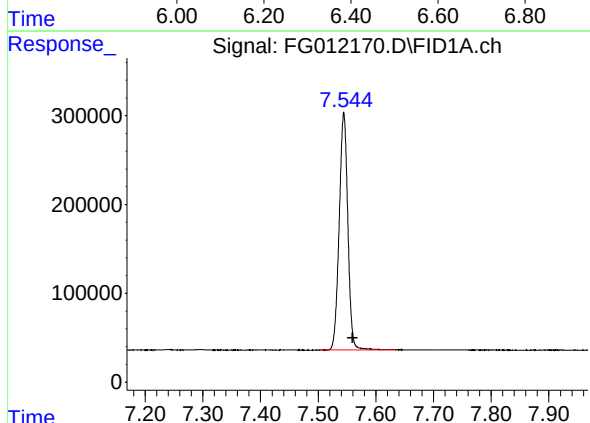
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.377 min
Delta R.T.: -0.014 min
Response: 2956469
Conc: 23.42 ug/ml

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20 PPM ALIPHATIC HC STD

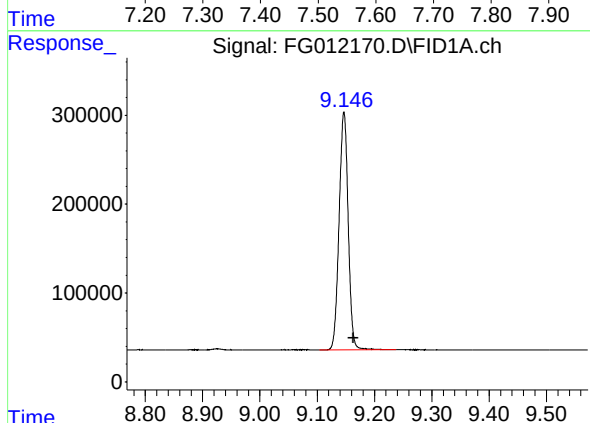
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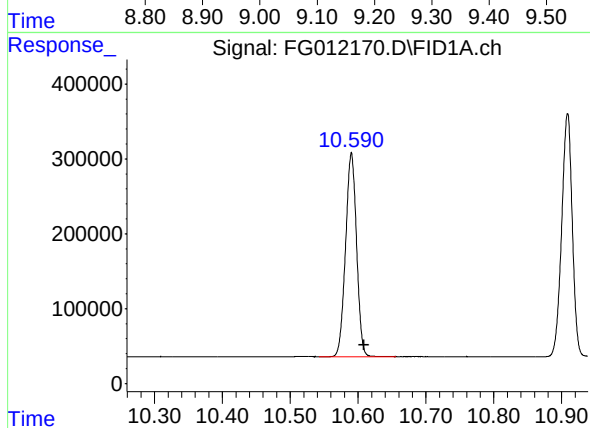
#6 n-Tetradecane (C14)

R.T.: 7.545 min
Delta R.T.: -0.016 min
Response: 2784630
Conc: 22.93 ug/ml



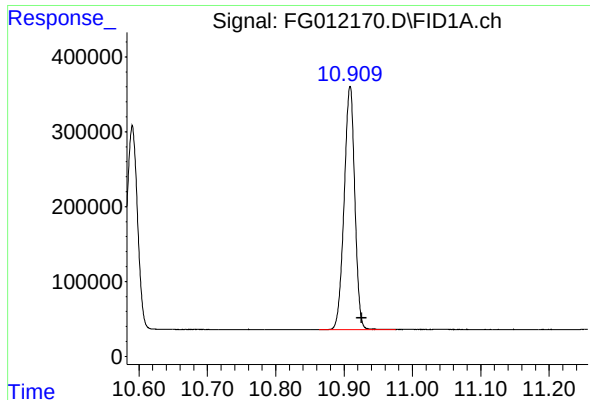
#7 n-Hexadecane (C16)

R.T.: 9.147 min
Delta R.T.: -0.016 min
Response: 2952224
Conc: 22.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.590 min
Delta R.T.: -0.018 min
Response: 3064135
Conc: 22.51 ug/ml



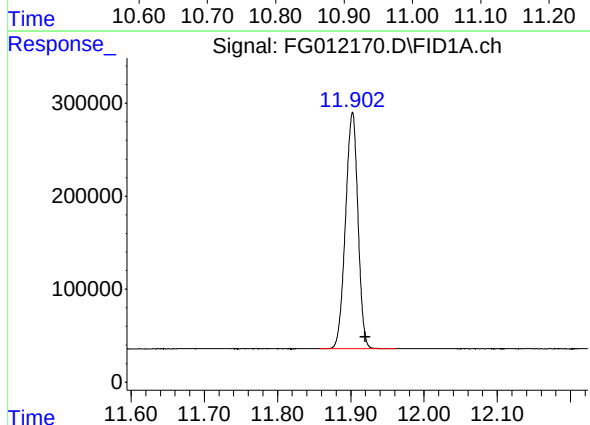
#9 ortho-Terphenyl (SURR)

R.T.: 10.909 min
Delta R.T.: -0.017 min
Response: 3522863
Conc: 22.51 ug/ml

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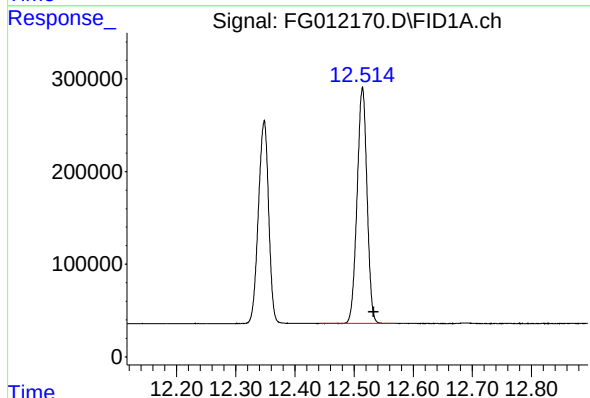
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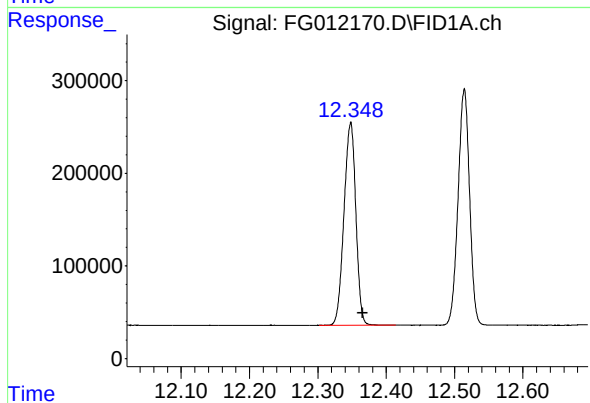
#10 n-Eicosane (C20)

R.T.: 11.902 min
Delta R.T.: -0.018 min
Response: 3008451
Conc: 22.29 ug/ml



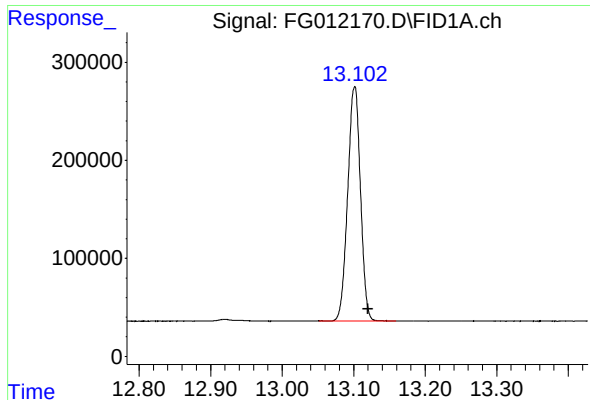
#11 n-Heneicosane (C21)

R.T.: 12.514 min
Delta R.T.: -0.019 min
Response: 2978906
Conc: 22.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.348 min
Delta R.T.: -0.017 min
Response: 2636511
Conc: 22.23 ug/ml



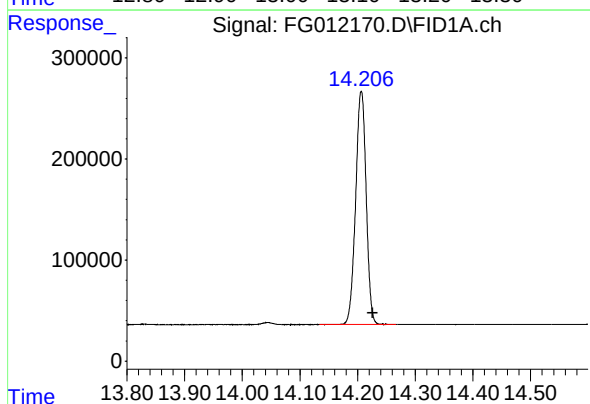
#13 n-Docosane (C22)

R.T.: 13.101 min
Delta R.T.: -0.019 min
Response: 2965117
Conc: 21.94 ug/ml

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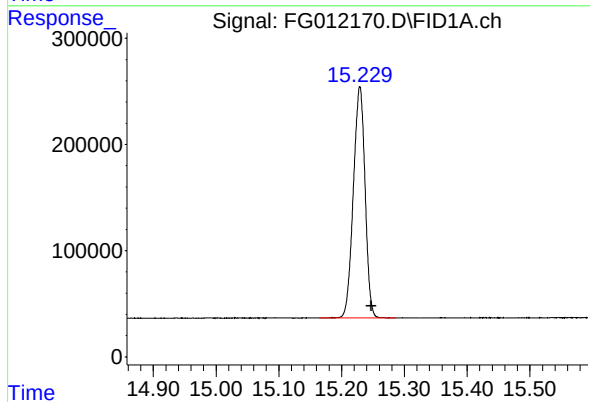
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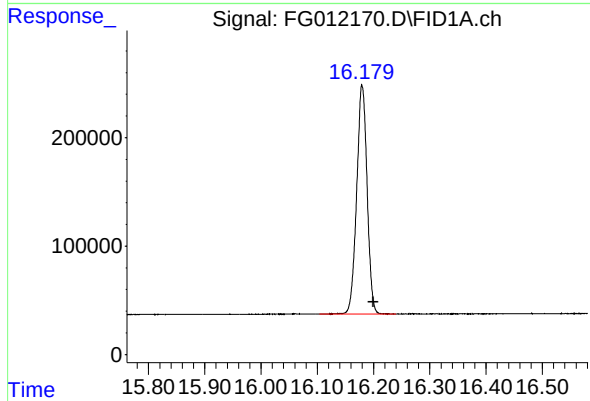
#14 n-Tetracosane (C24)

R.T.: 14.207 min
Delta R.T.: -0.019 min
Response: 2937270
Conc: 21.58 ug/ml



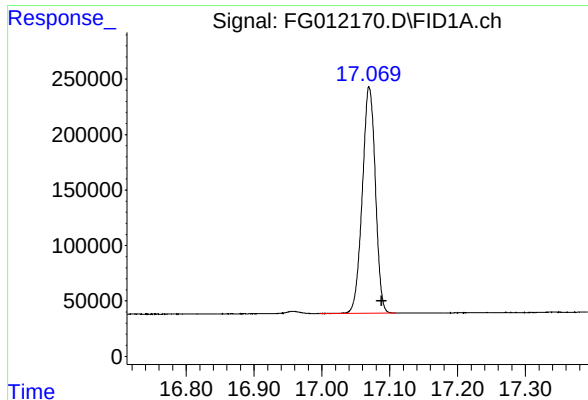
#15 n-Hexacosane (C26)

R.T.: 15.229 min
Delta R.T.: -0.018 min
Response: 2829339
Conc: 21.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.180 min
Delta R.T.: -0.020 min
Response: 2718986
Conc: 20.83 ug/ml



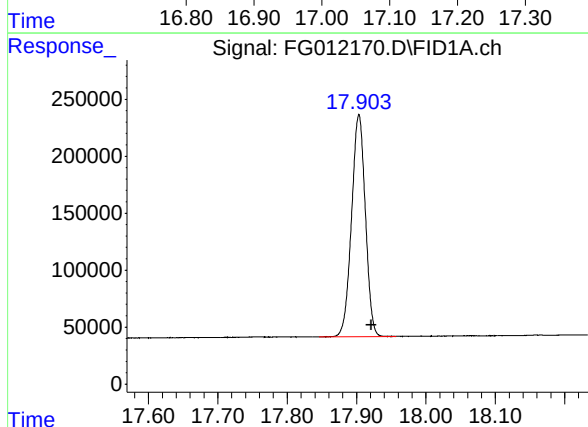
#17 n-Tricontane (C30)

R.T.: 17.070 min
Delta R.T.: -0.019 min
Response: 2732736
Conc: 20.72 ug/ml

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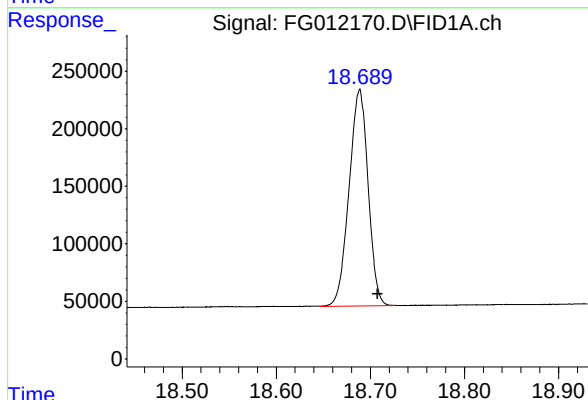
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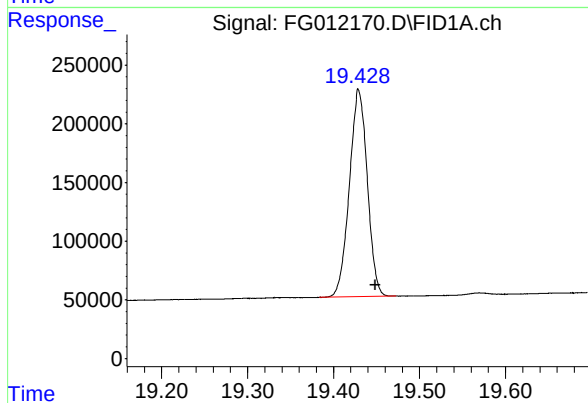
#18 n-Dotriacontane (C32)

R.T.: 17.903 min
Delta R.T.: -0.018 min
Response: 2692550
Conc: 20.96 ug/ml



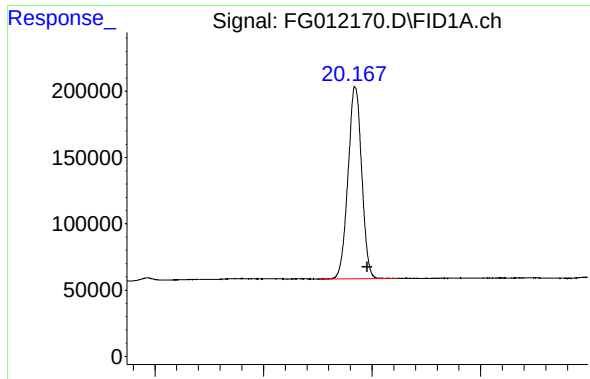
#19 n-Tetratriacontane (C34)

R.T.: 18.689 min
Delta R.T.: -0.019 min
Response: 2643190
Conc: 21.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.428 min
Delta R.T.: -0.021 min
Response: 2553371
Conc: 21.95 ug/ml m



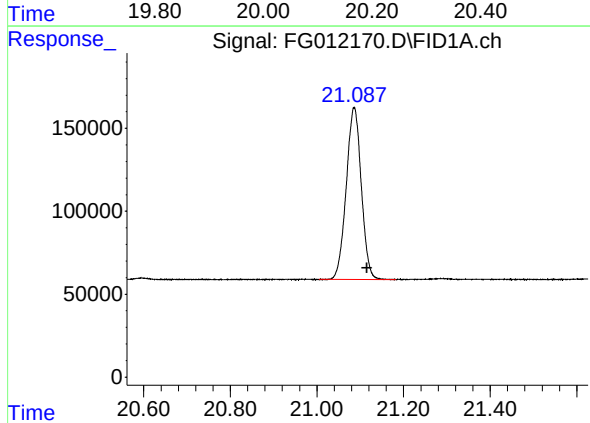
#21 n-Octatriacontane (C38)

R.T.: 20.169 min
Delta R.T.: -0.023 min
Response: 2540413
Conc: 22.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.086 min
Delta R.T.: -0.030 min
Response: 2505855
Conc: 23.26 ug/ml