

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102924AL\
 Data File : FG014551.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2024 12:11
 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 10/30/2024
 Supervised By :Ankita Jodhani 10/30/2024

Integration File: sample.E
 Quant Time: Oct 30 06:14:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 06:49:54 2024
 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)	11.967	3049246	19.895 ug/ml
Spiked Amount 50.000		Recovery =	39.79%
12) S 1-chlorooctadecane (S...	13.404	2348480	19.126 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
Target Compounds			
1) T n-Nonane (C9)	3.339	2698492	20.852 ug/ml
2) T n-Decane (C10)	4.590	2758100	20.932 ug/ml
3) T A~Naphthalene (C11.7)	6.295	2988256	20.831 ug/ml
4) T n-Dodecane (C12)	6.760	2789155	20.996 ug/ml
5) T A~2-methylnaphthalene...	7.393	2903063	20.809 ug/ml
6) T n-Tetradecane (C14)	8.592	2768916	20.869 ug/ml
7) T n-Hexadecane (C16)	10.202	2846606	20.485 ug/ml
8) T n-Octadecane (C18)	11.648	2856274	19.952 ug/ml
10) T n-Eicosane (C20)	12.959	2730762	19.418 ug/ml
11) T n-Heneicosane (C21)	13.572	2677227	19.128 ug/ml
13) T n-Docosane (C22)	14.159	2647504	18.820 ug/ml
14) T n-Tetracosane (C24)	15.262	2608697	18.333 ug/ml
15) T n-Hexacosane (C26)	16.284	2521998	17.867 ug/ml
16) T n-Octacosane (C28)	17.234	2422146	17.526 ug/ml
17) T n-Tricontane (C30)	18.121	2412623	17.407 ug/ml
18) T n-Dotriacontane (C32)	18.954	2292156	17.507 ug/ml
19) T n-Tetratriacontane (C34)	19.736	1986294	17.746 ug/ml
20) T n-Hexatriacontane (C36)	20.475	1708175	18.352 ug/mlm
21) T n-Octatriacontane (C38)	21.224	1628977	19.497 ug/mlm
22) T n-Tetracontane (C40)	22.164	1577830	20.749 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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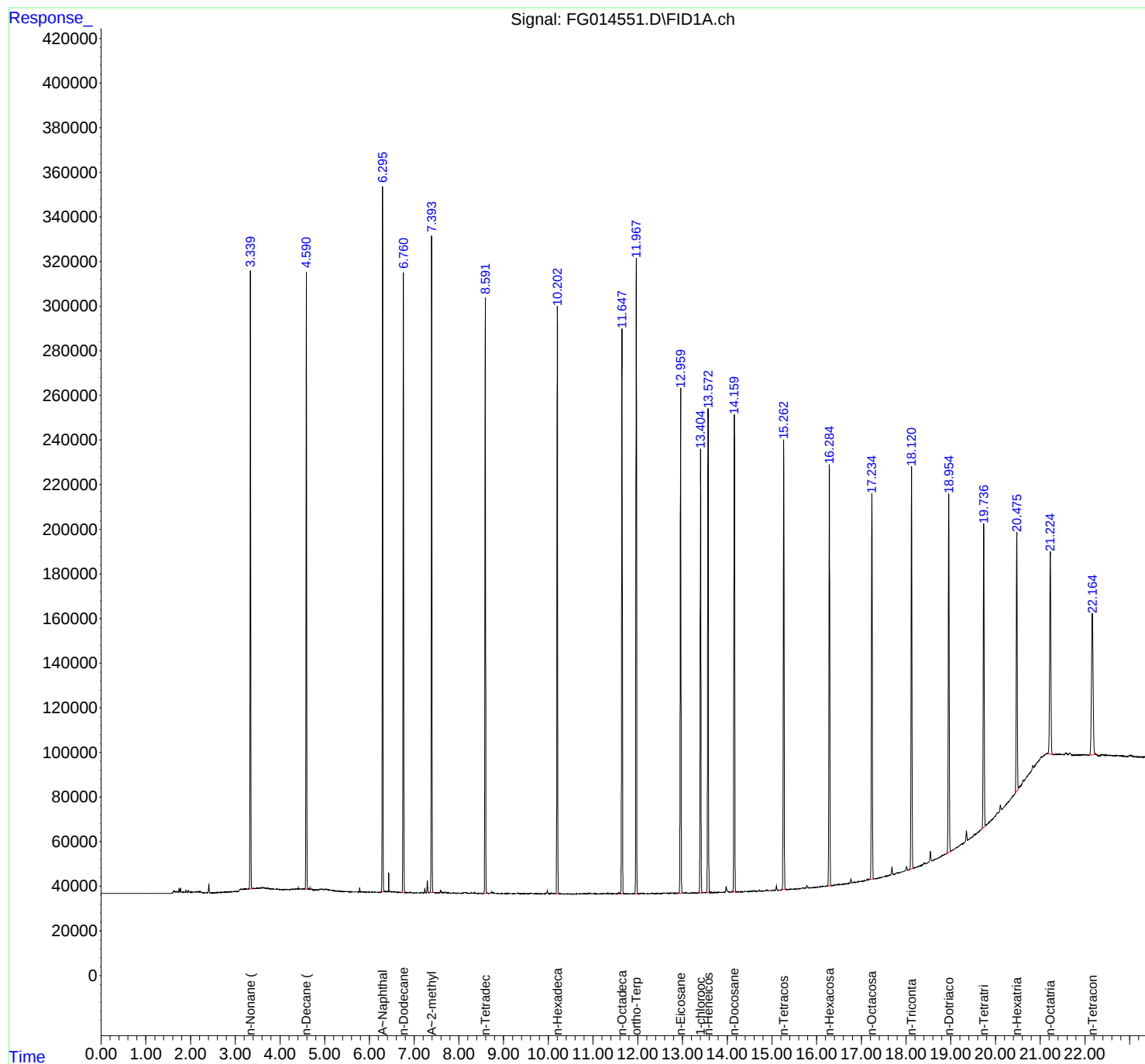
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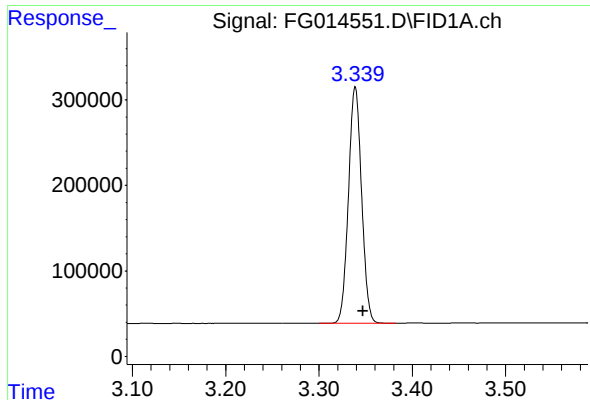
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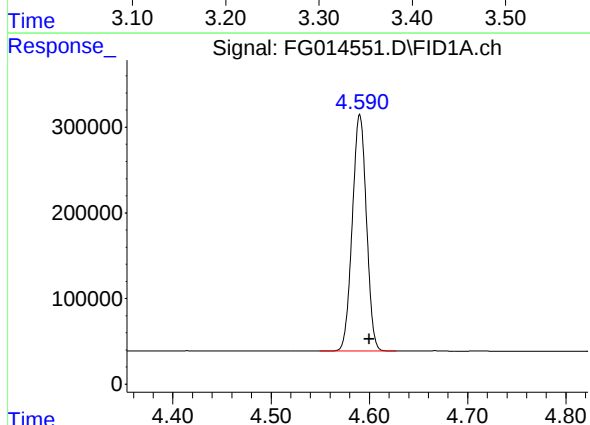
#1 n-Nonane (C9)

R.T.: 3.339 min
Delta R.T.: -0.008 min
Response: 2698492
Conc: 20.85 ug/ml

Instrument :
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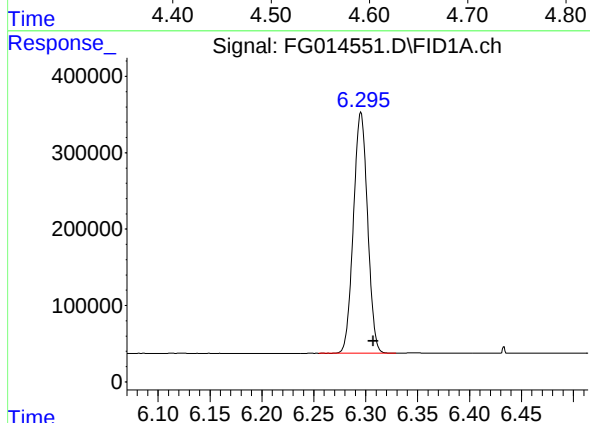
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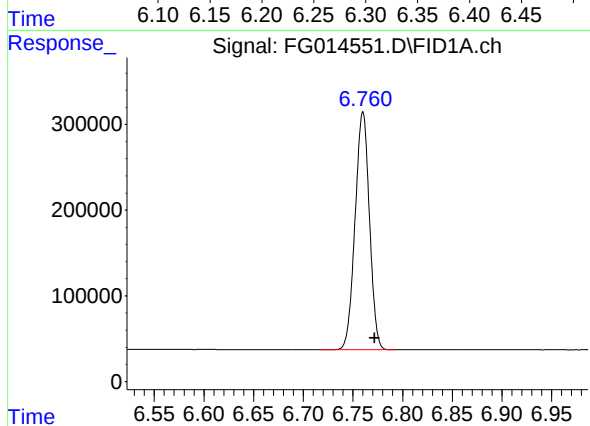
#2 n-Decane (C10)

R.T.: 4.590 min
Delta R.T.: -0.010 min
Response: 2758100
Conc: 20.93 ug/ml



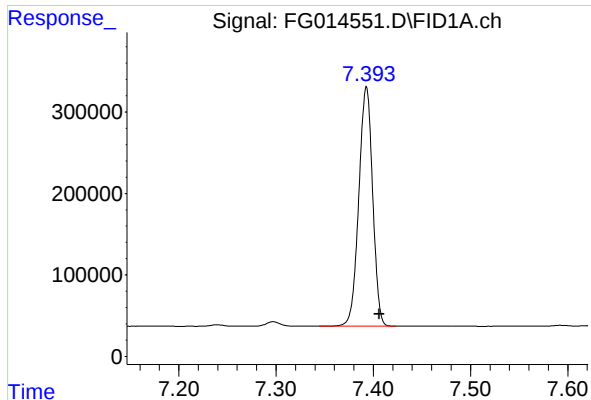
#3 A~Naphthalene (C11.7)

R.T.: 6.295 min
Delta R.T.: -0.012 min
Response: 2988256
Conc: 20.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.760 min
Delta R.T.: -0.012 min
Response: 2789155
Conc: 21.00 ug/ml



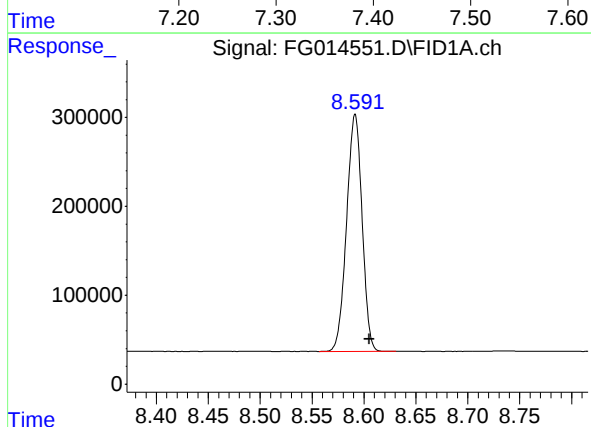
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.393 min
Delta R.T.: -0.013 min
Response: 2903063
Conc: 20.81 ug/ml

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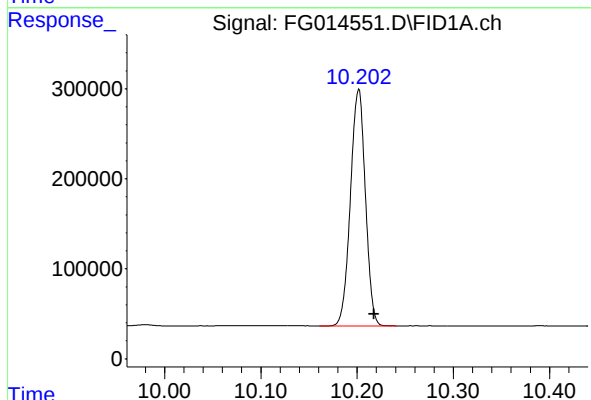
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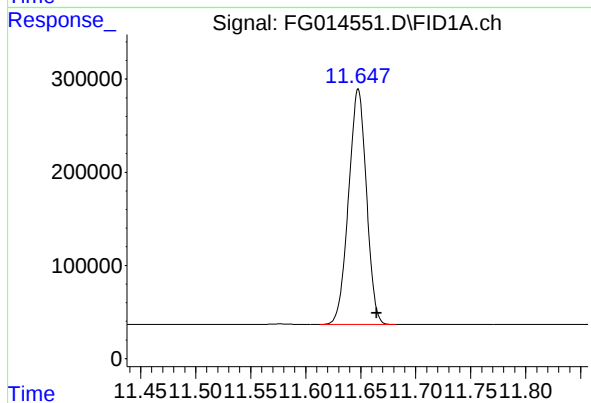
#6 n-Tetradecane (C14)

R.T.: 8.592 min
Delta R.T.: -0.014 min
Response: 2768916
Conc: 20.87 ug/ml



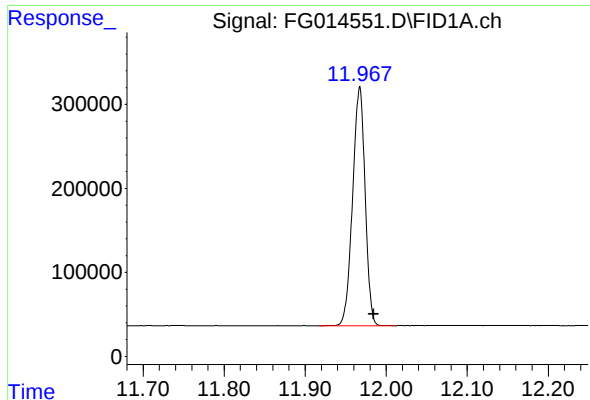
#7 n-Hexadecane (C16)

R.T.: 10.202 min
Delta R.T.: -0.016 min
Response: 2846606
Conc: 20.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.648 min
Delta R.T.: -0.017 min
Response: 2856274
Conc: 19.95 ug/ml



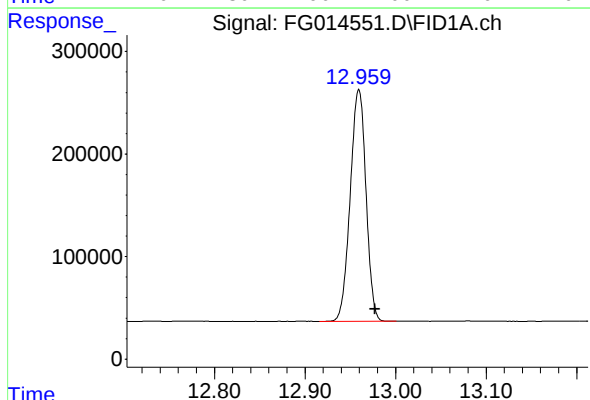
#9 ortho-Terphenyl (SURR)

R.T.: 11.967 min
Delta R.T.: -0.017 min
Response: 3049246
Conc: 19.89 ug/ml

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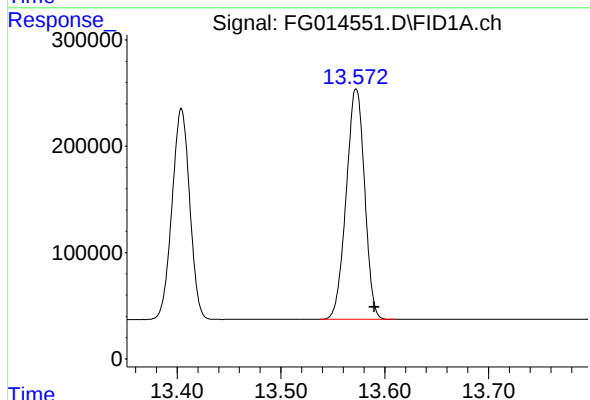
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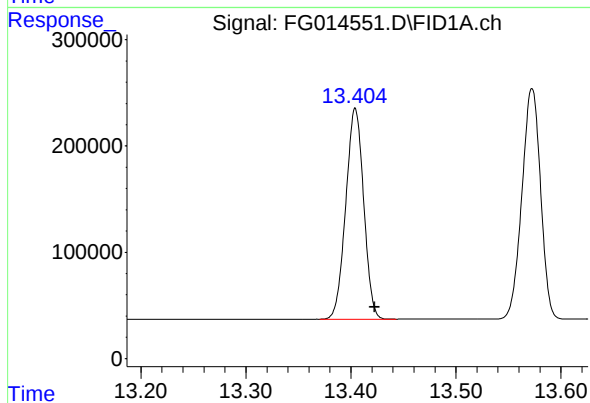
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: -0.018 min
Response: 2730762
Conc: 19.42 ug/ml



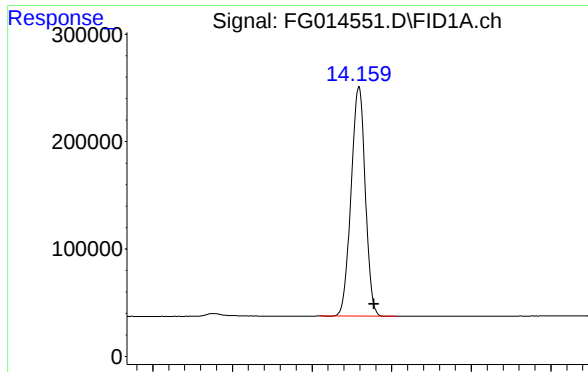
#11 n-Heneicosane (C21)

R.T.: 13.572 min
Delta R.T.: -0.018 min
Response: 2677227
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.404 min
Delta R.T.: -0.018 min
Response: 2348480
Conc: 19.13 ug/ml



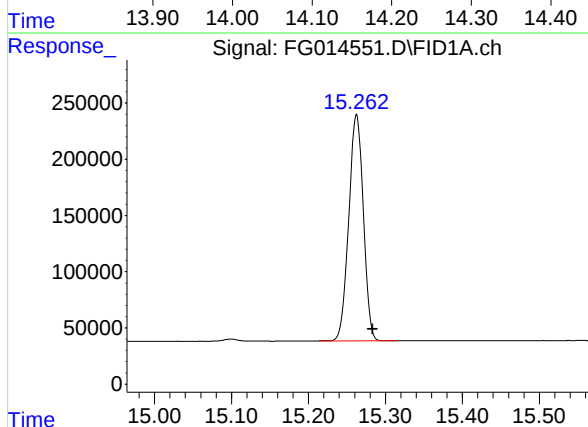
#13 n-Docosane (C22)

R.T.: 14.159 min
Delta R.T.: -0.019 min
Response: 2647504
Conc: 18.82 ug/ml

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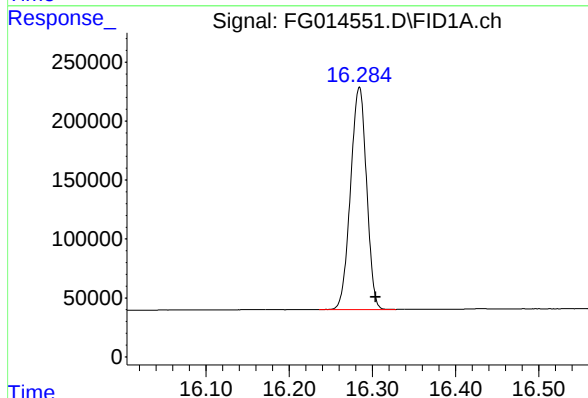
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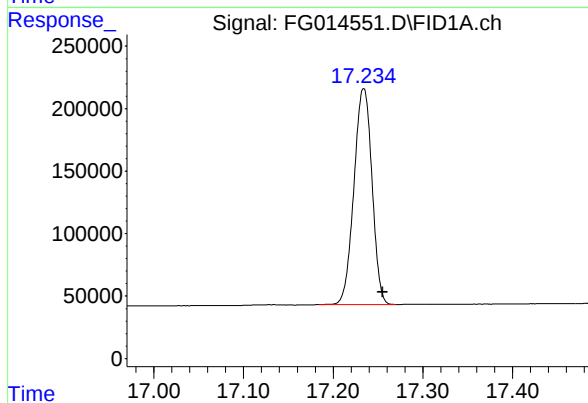
#14 n-Tetracosane (C24)

R.T.: 15.262 min
Delta R.T.: -0.021 min
Response: 2608697
Conc: 18.33 ug/ml



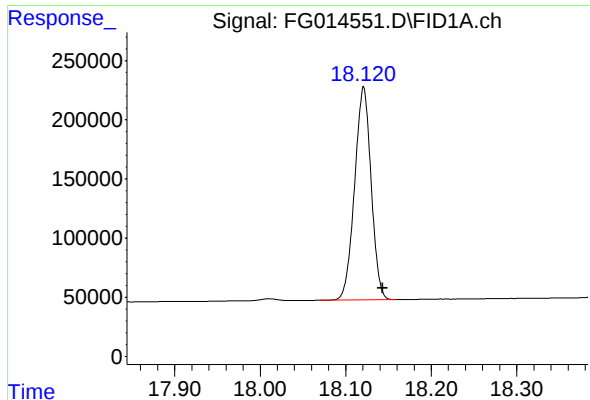
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: -0.020 min
Response: 2521998
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.234 min
Delta R.T.: -0.021 min
Response: 2422146
Conc: 17.53 ug/ml



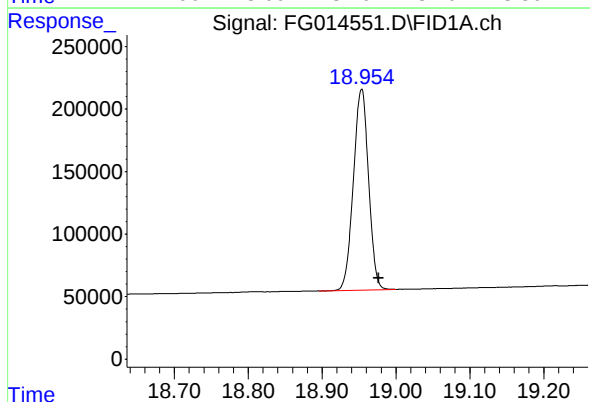
#17 n-Tricontane (C30)

R.T.: 18.121 min
Delta R.T.: -0.022 min
Response: 2412623
Conc: 17.41 ug/ml

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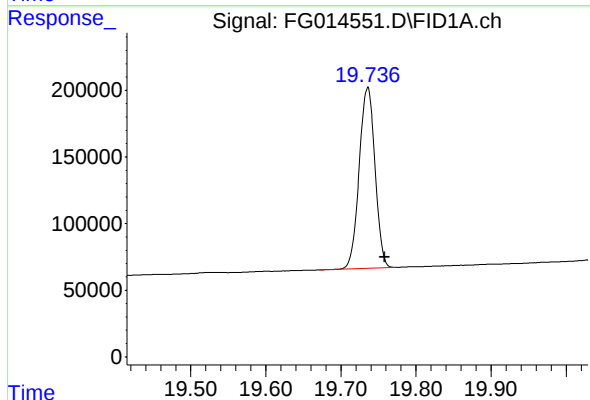
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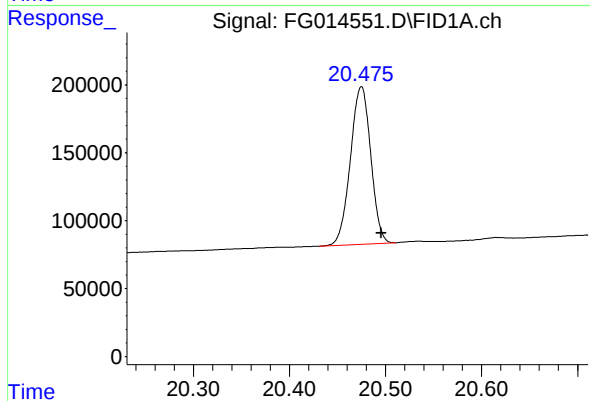
#18 n-Dotriacontane (C32)

R.T.: 18.954 min
Delta R.T.: -0.023 min
Response: 2292156
Conc: 17.51 ug/ml



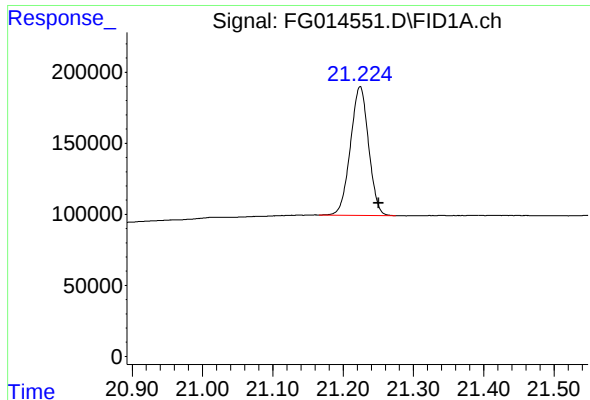
#19 n-Tetratriacontane (C34)

R.T.: 19.736 min
Delta R.T.: -0.023 min
Response: 1986294
Conc: 17.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.475 min
Delta R.T.: -0.021 min
Response: 1708175
Conc: 18.35 ug/ml m



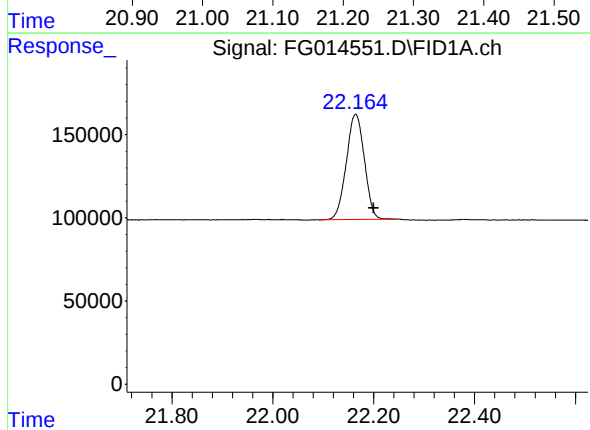
#21 n-Octatriacontane (C38)

R.T.: 21.224 min
Delta R.T.: -0.026 min
Response: 1628977
Conc: 19.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.164 min
Delta R.T.: -0.036 min
Response: 1577830
Conc: 20.75 ug/ml