

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102824AL\
 Data File : FG014541.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2024 19:23
 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 10/29/2024
 Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
 Quant Time: Oct 29 02:34:45 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)	11.971	3050756	19.905 ug/ml
Spiked Amount 50.000		Recovery =	39.81%
12) S 1-chlorooctadecane (S...	13.408	2345464	19.101 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
Target Compounds			
1) T n-Nonane (C9)	3.341	2699880	20.862 ug/ml
2) T n-Decane (C10)	4.592	2760598	20.951 ug/ml
3) T A~Naphthalene (C11.7)	6.298	3003072	20.935 ug/ml
4) T n-Dodecane (C12)	6.762	2791392	21.013 ug/ml
5) T A~2-methylnaphthalene...	7.396	2915807	20.901 ug/ml
6) T n-Tetradecane (C14)	8.594	2767743	20.860 ug/ml
7) T n-Hexadecane (C16)	10.205	2837726	20.421 ug/ml
8) T n-Octadecane (C18)	11.651	2845761	19.878 ug/ml
10) T n-Eicosane (C20)	12.963	2715487	19.310 ug/ml
11) T n-Heneicosane (C21)	13.576	2662220	19.021 ug/ml
13) T n-Docosane (C22)	14.162	2636789	18.744 ug/ml
14) T n-Tetracosane (C24)	15.266	2589274	18.196 ug/ml
15) T n-Hexacosane (C26)	16.288	2496253	17.685 ug/ml
16) T n-Octacosane (C28)	17.238	2395731	17.334 ug/ml
17) T n-Tricontane (C30)	18.126	2377708	17.155 ug/ml
18) T n-Dotriacontane (C32)	18.958	2254890	17.223 ug/ml
19) T n-Tetratriacontane (C34)	19.740	1967177	17.575 ug/ml
20) T n-Hexatriacontane (C36)	20.479	1715965	18.436 ug/mlm
21) T n-Octatriacontane (C38)	21.229	1632152	19.535 ug/ml
22) T n-Tetracontane (C40)	22.170	1619345	21.295 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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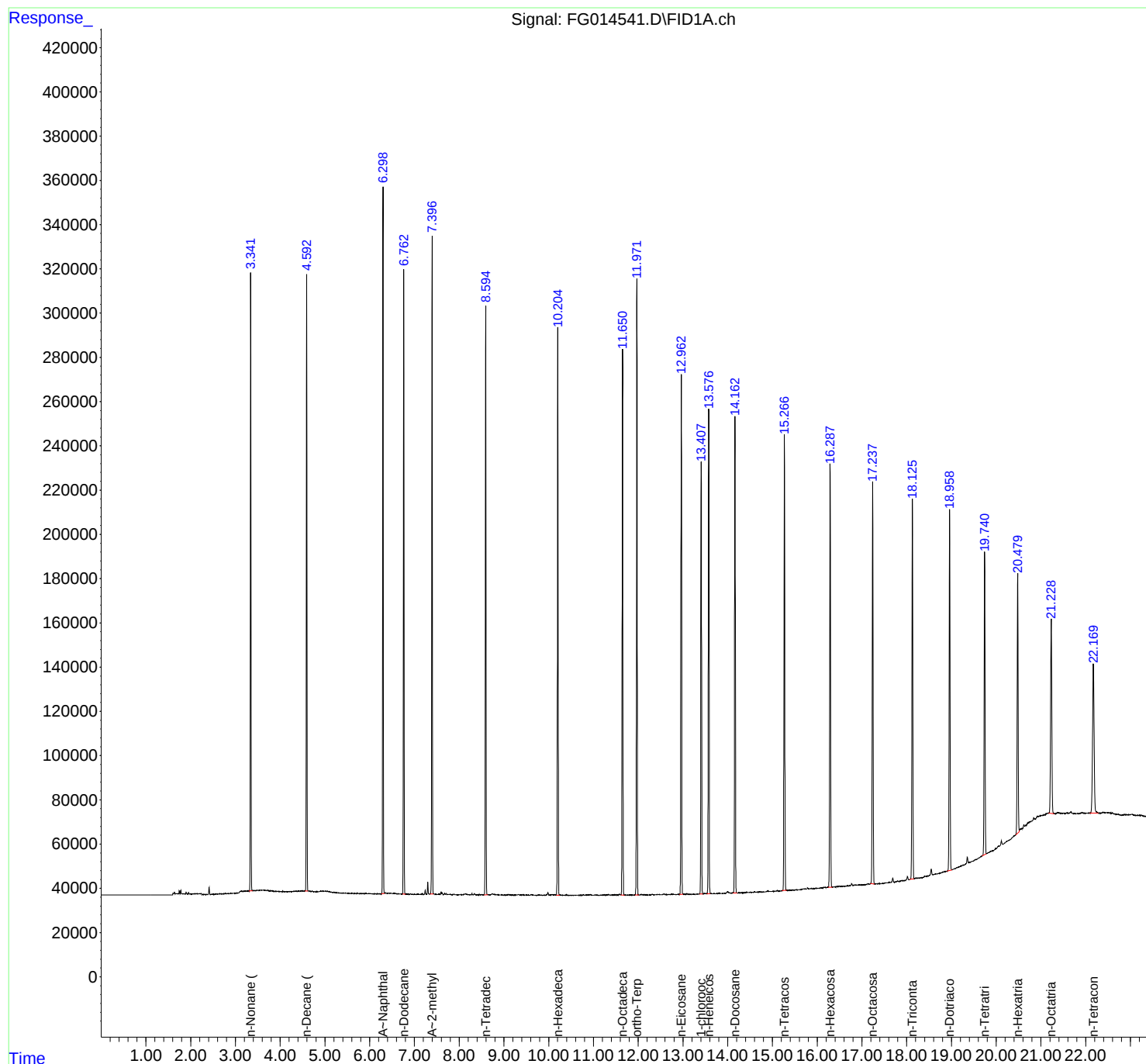
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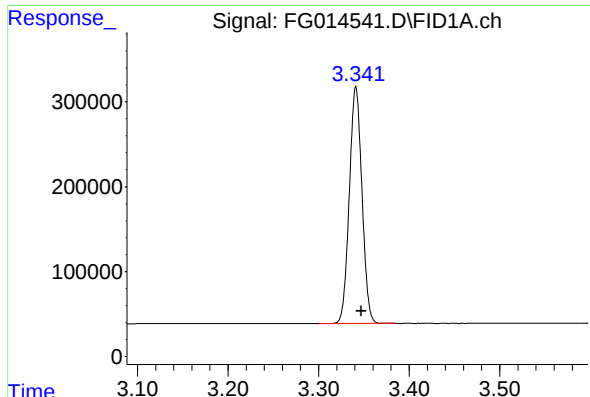
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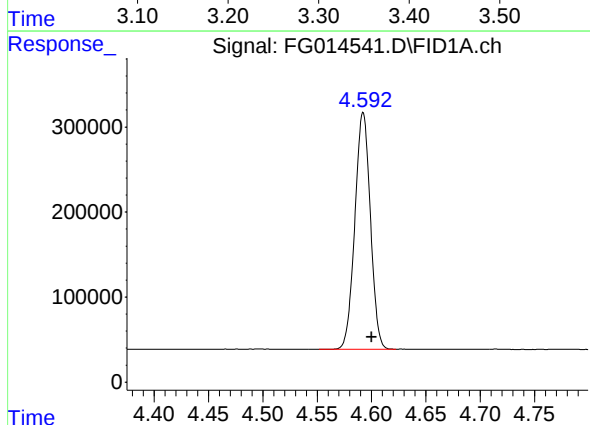
#1 n-Nonane (C9)

R.T.: 3.341 min
Delta R.T.: -0.006 min
Response: 2699880
Conc: 20.86 ug/ml

Instrument :
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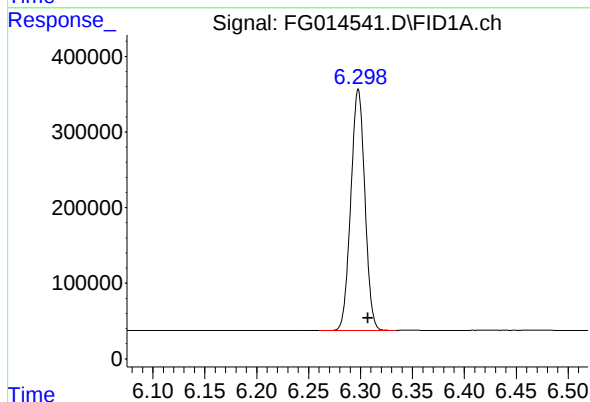
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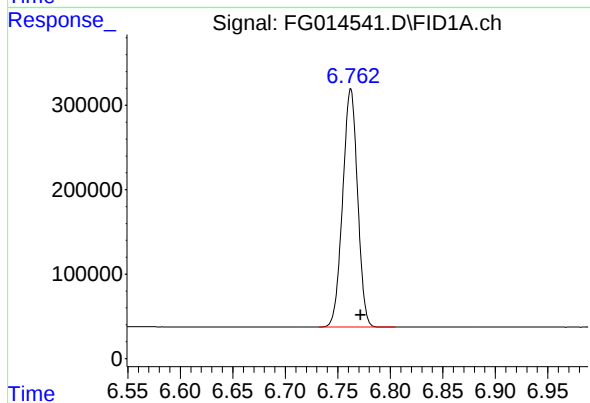
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.008 min
Response: 2760598
Conc: 20.95 ug/ml



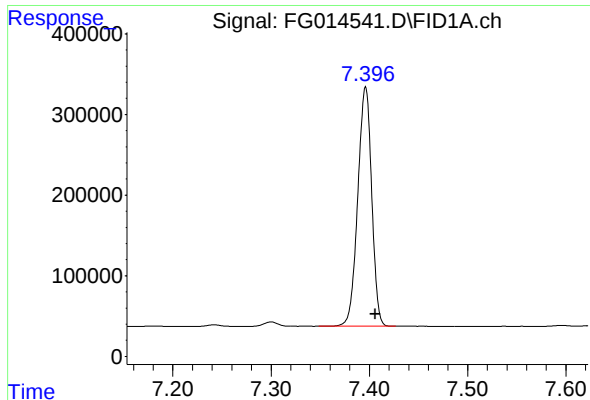
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: -0.009 min
Response: 3003072
Conc: 20.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.762 min
Delta R.T.: -0.010 min
Response: 2791392
Conc: 21.01 ug/ml



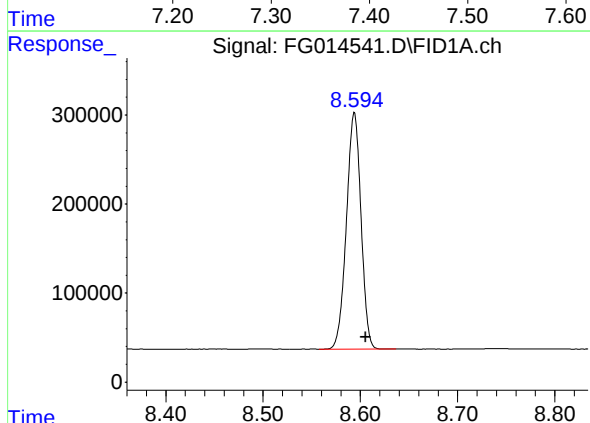
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min
Delta R.T.: -0.010 min
Response: 2915807
Conc: 20.90 ug/ml

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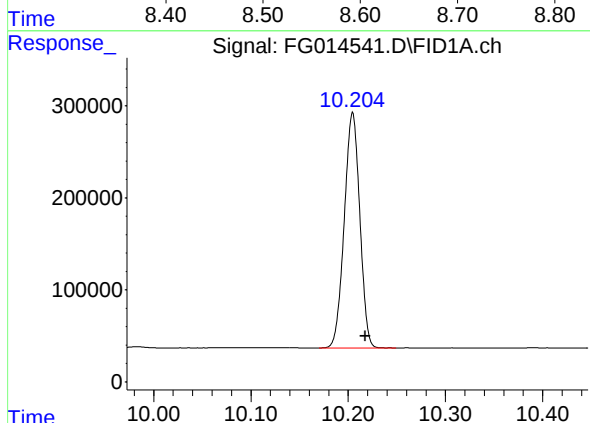
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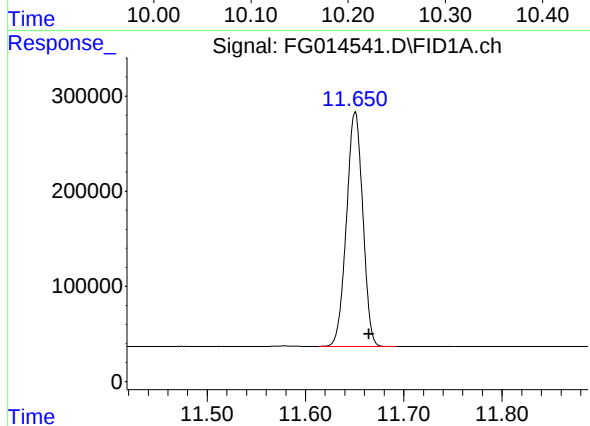
#6 n-Tetradecane (C14)

R.T.: 8.594 min
Delta R.T.: -0.011 min
Response: 2767743
Conc: 20.86 ug/ml



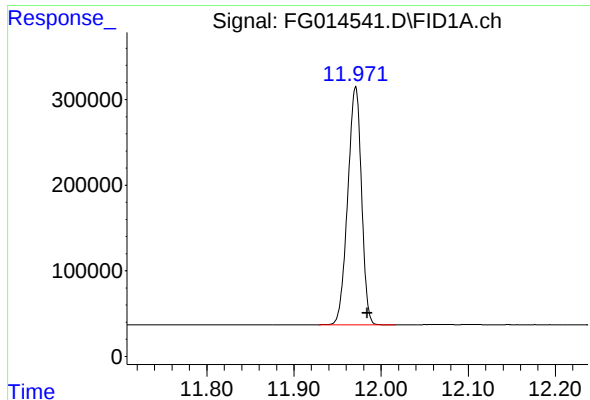
#7 n-Hexadecane (C16)

R.T.: 10.205 min
Delta R.T.: -0.013 min
Response: 2837726
Conc: 20.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.651 min
Delta R.T.: -0.014 min
Response: 2845761
Conc: 19.88 ug/ml



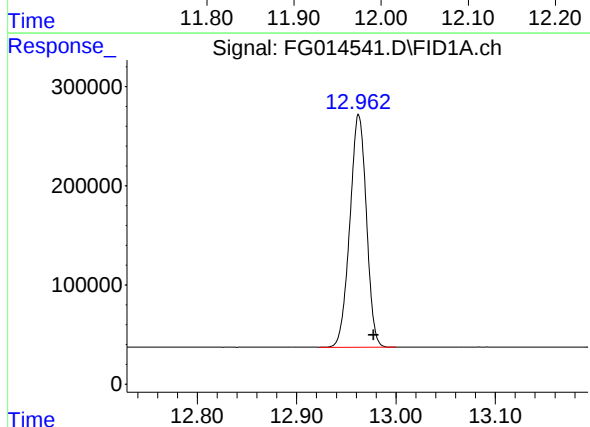
#9 ortho-Terphenyl (SURR)

R.T.: 11.971 min
Delta R.T.: -0.013 min
Response: 3050756
Conc: 19.90 ug/ml

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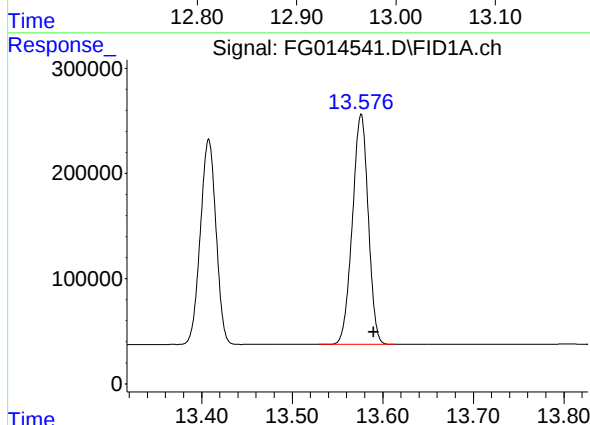
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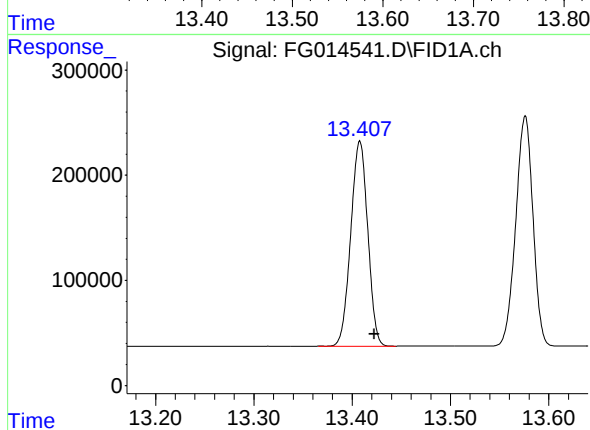
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: -0.015 min
Response: 2715487
Conc: 19.31 ug/ml



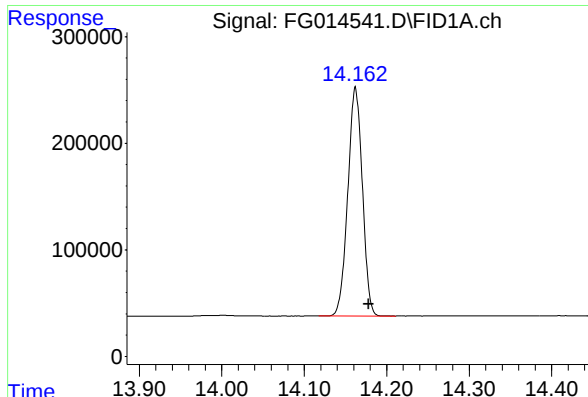
#11 n-Heneicosane (C21)

R.T.: 13.576 min
Delta R.T.: -0.014 min
Response: 2662220
Conc: 19.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: -0.015 min
Response: 2345464
Conc: 19.10 ug/ml



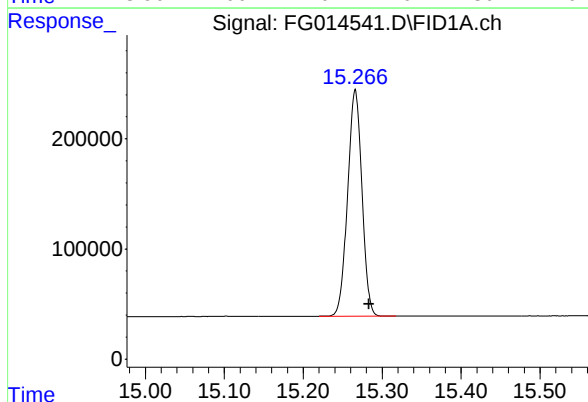
#13 n-Docosane (C22)

R.T.: 14.162 min
Delta R.T.: -0.016 min
Response: 2636789
Conc: 18.74 ug/ml

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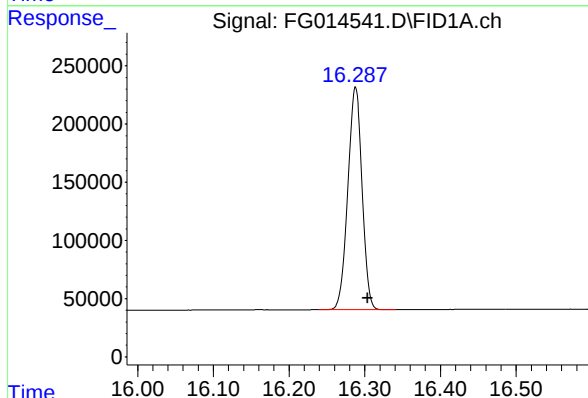
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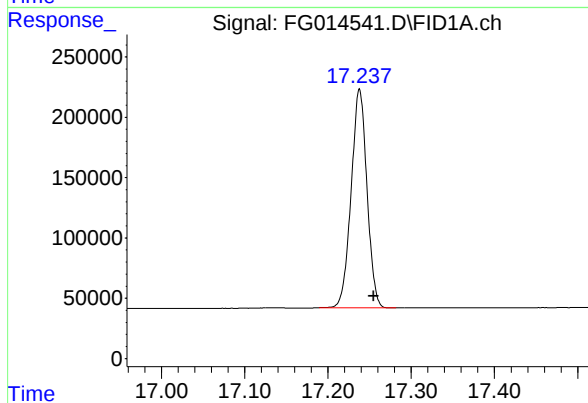
#14 n-Tetracosane (C24)

R.T.: 15.266 min
Delta R.T.: -0.017 min
Response: 2589274
Conc: 18.20 ug/ml



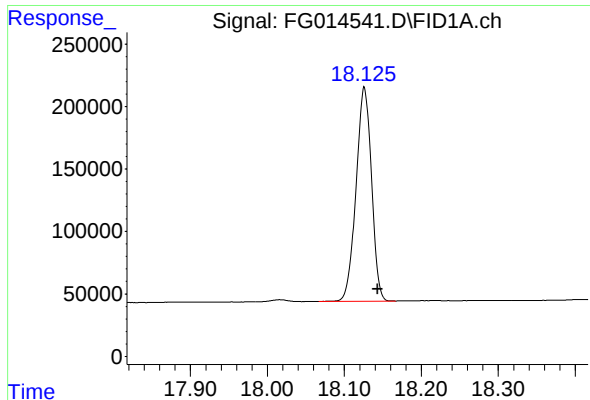
#15 n-Hexacosane (C26)

R.T.: 16.288 min
Delta R.T.: -0.016 min
Response: 2496253
Conc: 17.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.238 min
Delta R.T.: -0.017 min
Response: 2395731
Conc: 17.33 ug/ml



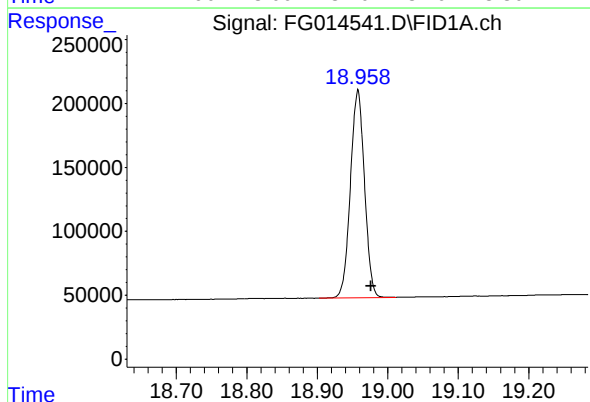
#17 n-Tricontane (C30)

R.T.: 18.126 min
Delta R.T.: -0.018 min
Response: 2377708
Conc: 17.15 ug/ml

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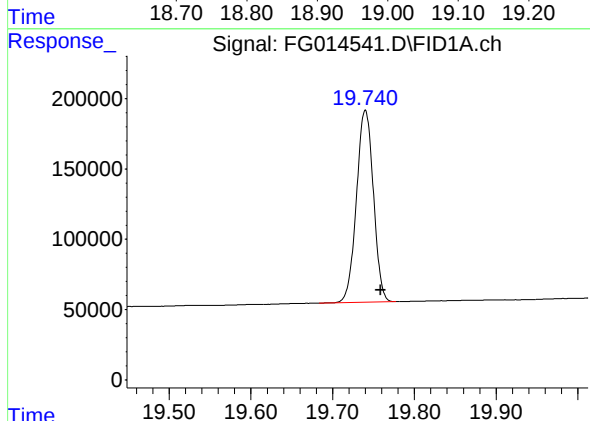
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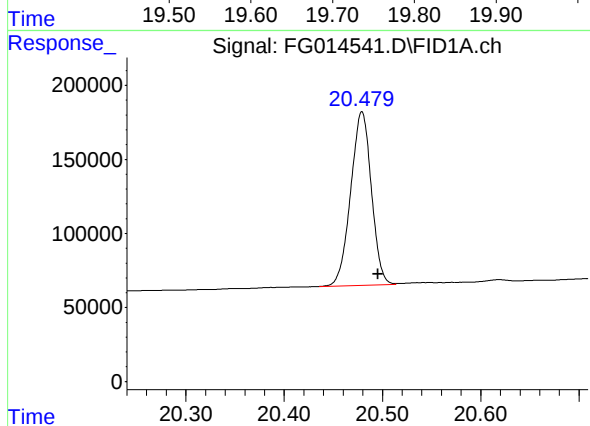
#18 n-Dotriacontane (C32)

R.T.: 18.958 min
Delta R.T.: -0.019 min
Response: 2254890
Conc: 17.22 ug/ml



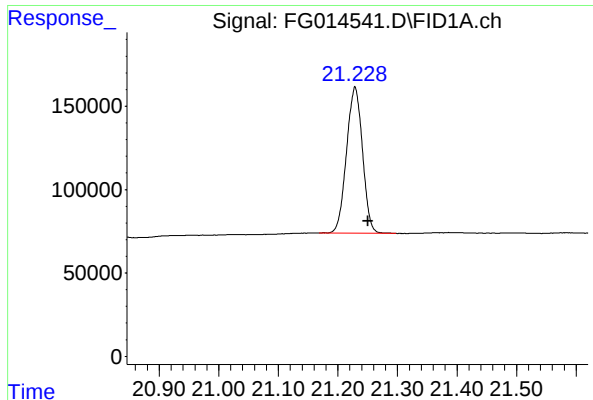
#19 n-Tetratriacontane (C34)

R.T.: 19.740 min
Delta R.T.: -0.018 min
Response: 1967177
Conc: 17.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.479 min
Delta R.T.: -0.017 min
Response: 1715965
Conc: 18.44 ug/ml m



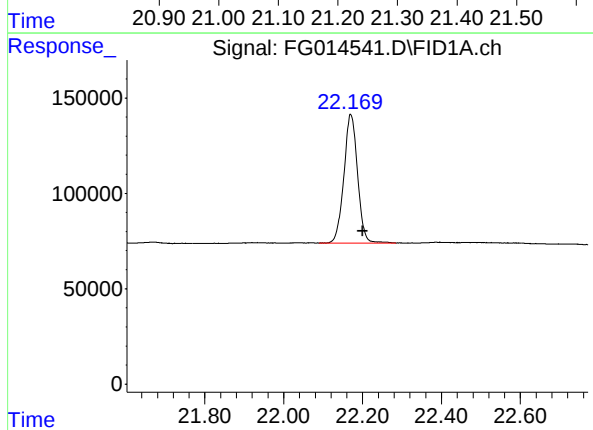
#21 n-Octatriacontane (C38)

R.T.: 21.229 min
Delta R.T.: -0.022 min
Response: 1632152
Conc: 19.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.170 min
Delta R.T.: -0.031 min
Response: 1619345
Conc: 21.30 ug/ml