

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060622AL\
 Data File : FC060109.D
 Signal(s) : FID1A.CH
 Acq On : 07 Jun 2022 00:22
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2022
 Supervised By :Ankita Jodhani 06/07/2022

Integration File: autoint1.e
 Quant Time: Jun 07 02:43:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Sat May 28 08:22:04 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	10.647	3133528	20.135 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
12) S 1-chlorooctadecane (S...	12.016	2521243	20.334 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T n-Nonane (C9)	2.626	2574064	20.112 ug/ml
2) T n-Decane (C10)	3.625	2613609	20.430 ug/ml
3) T A~Naphthalene (C11.7)	5.163	2970354	20.550 ug/ml
4) T n-Dodecane (C12)	5.578	2748634	20.619 ug/ml
5) T A~2-methylnaphthalene...	6.189	3035249	20.681 ug/ml
6) T n-Tetradecane (C14)	7.330	2820868	20.664 ug/ml
7) T n-Hexadecane (C16)	8.893	2902145	20.684 ug/ml
8) T n-Octadecane (C18)	10.301	2956505	20.659 ug/ml
10) T n-Eicosane (C20)	11.581	2923549	20.492 ug/ml
11) T n-Heneicosane (C21)	12.179	2915245	20.338 ug/ml
13) T n-Docosane (C22)	12.751	2961892	20.785 ug/mlm
14) T n-Tetracosane (C24)	13.828	2937768	20.935 ug/mlm
15) T n-Hexacosane (C26)	14.827	2844193	21.003 ug/ml
16) T n-Octacosane (C28)	15.755	2808125	21.562 ug/mlm
17) T n-Tricontane (C30)	16.622	2776308	22.678 ug/ml
18) T n-Dotriacontane (C32)	17.434	2579807	23.138 ug/ml
19) T n-Tetratriacontane (C34)	18.199	2291729	22.469 ug/mlm
20) T n-Hexatriacontane (C36)	18.920	2088614	22.055 ug/mlm
21) T n-Octatriacontane (C38)	19.604	1995247	21.626 ug/mlm
22) T n-Tetracontane (C40)	20.250	2028627	21.561 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

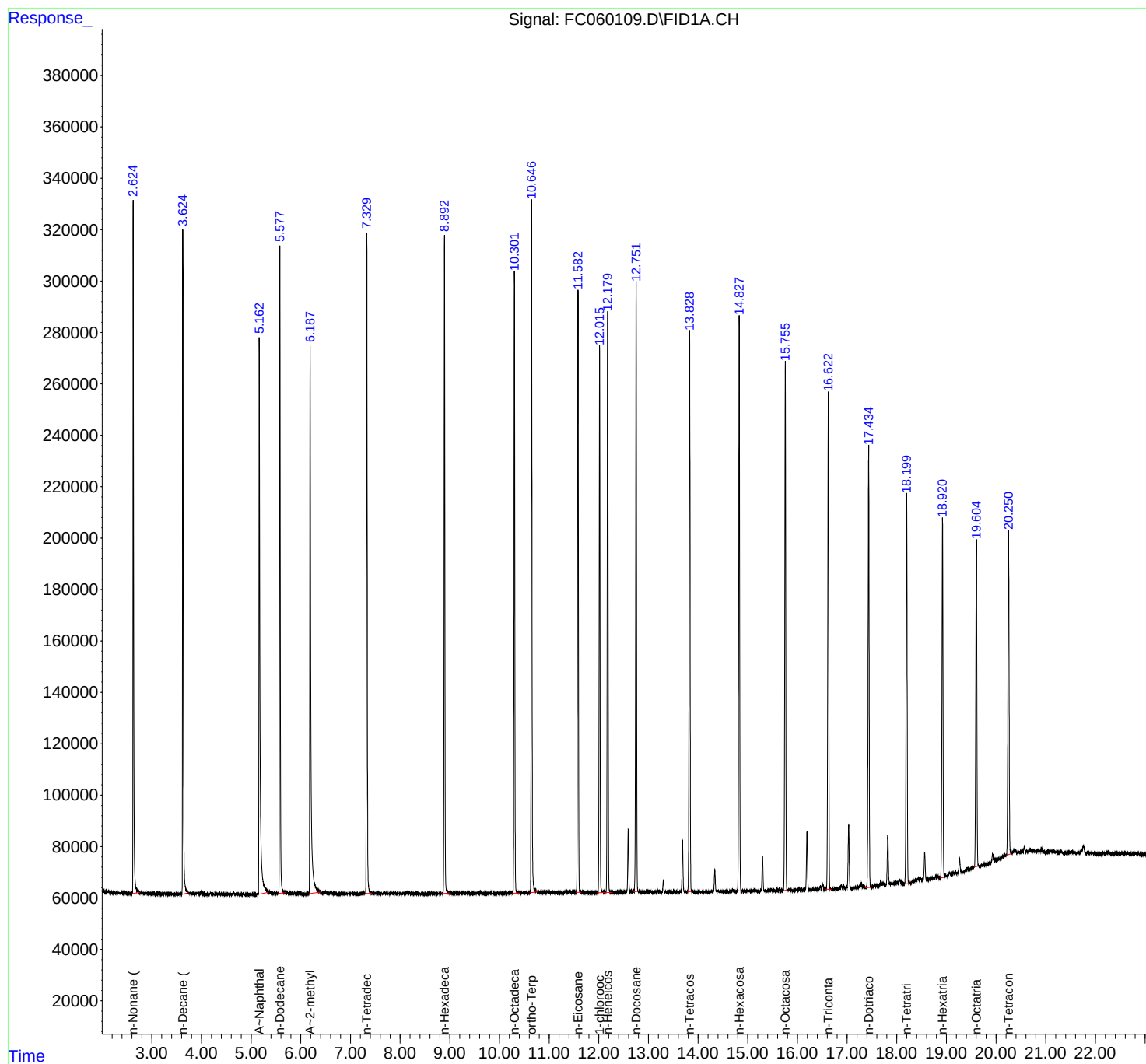
Instrument :
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20 PPM ALIPHATIC HC STD

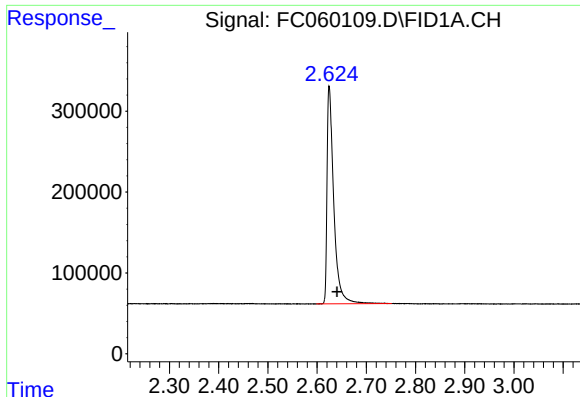
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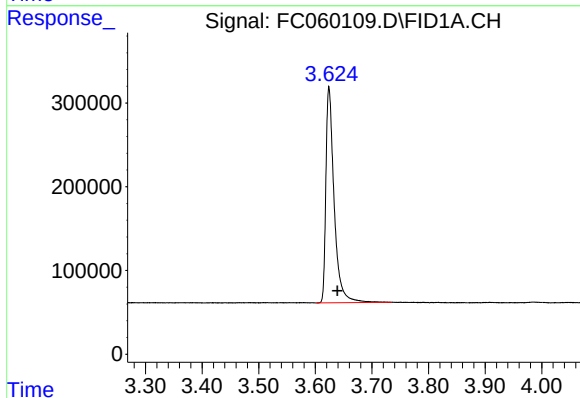
#1 n-Nonane (C9)

R.T.: 2.626 min
Delta R.T.: -0.015 min
Response: 2574064
Conc: 20.11 ug/ml

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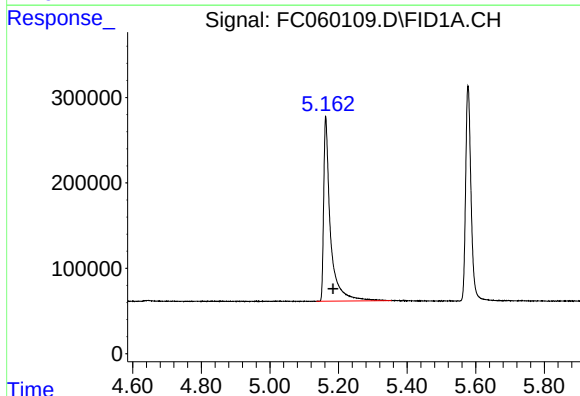
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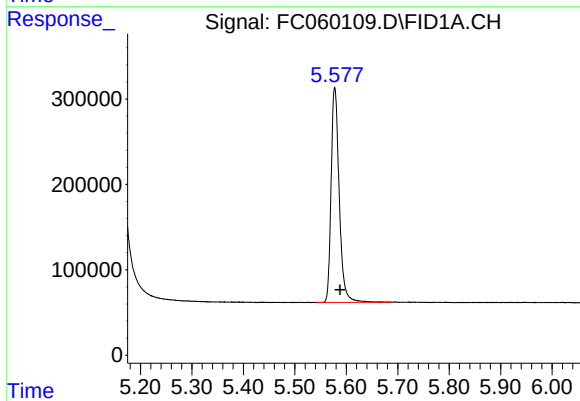
#2 n-Decane (C10)

R.T.: 3.625 min
Delta R.T.: -0.014 min
Response: 2613609
Conc: 20.43 ug/ml



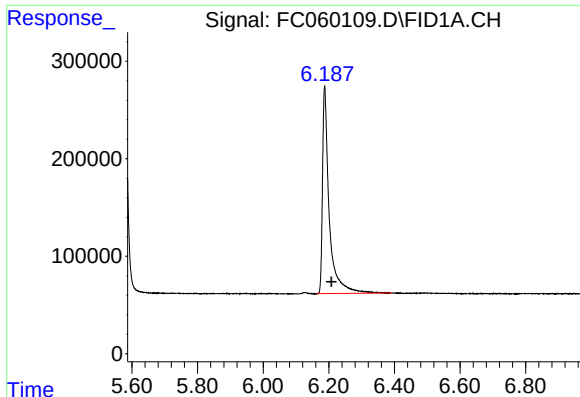
#3 A~Naphthalene (C11.7)

R.T.: 5.163 min
Delta R.T.: -0.020 min
Response: 2970354
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.578 min
Delta R.T.: -0.010 min
Response: 2748634
Conc: 20.62 ug/ml



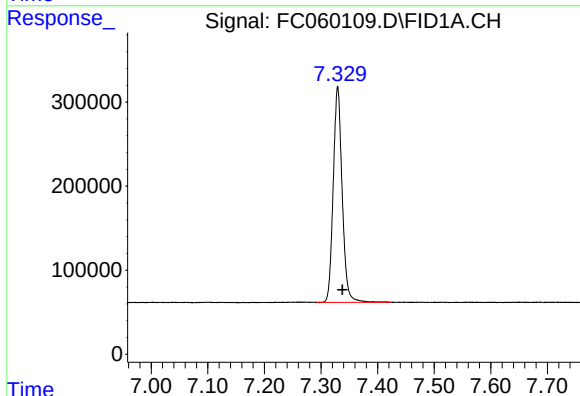
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.189 min
Delta R.T.: -0.019 min
Response: 3035249
Conc: 20.68 ug/ml

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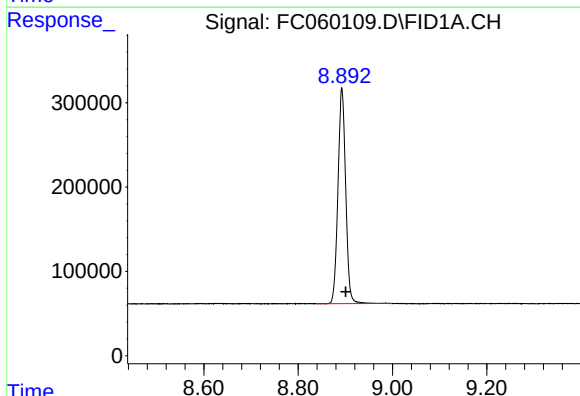
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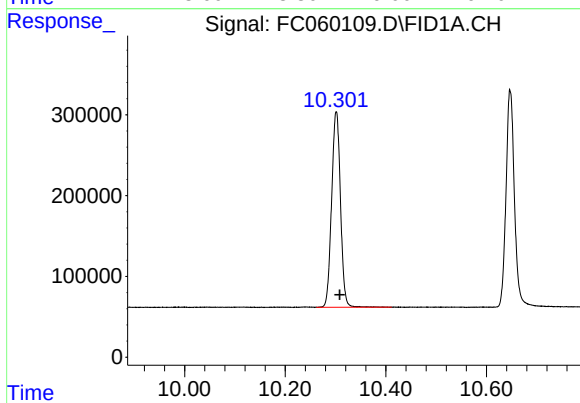
#6 n-Tetradecane (C14)

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 2820868
Conc: 20.66 ug/ml



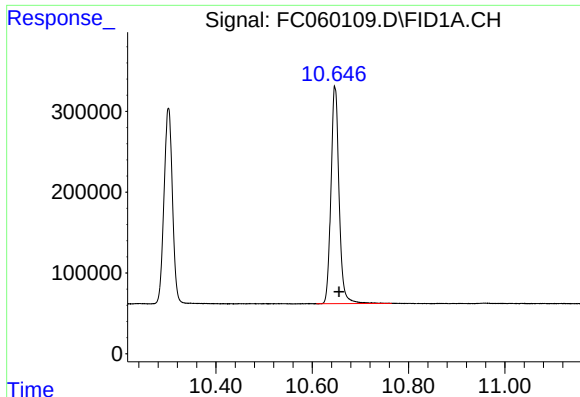
#7 n-Hexadecane (C16)

R.T.: 8.893 min
Delta R.T.: -0.008 min
Response: 2902145
Conc: 20.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.301 min
Delta R.T.: -0.007 min
Response: 2956505
Conc: 20.66 ug/ml



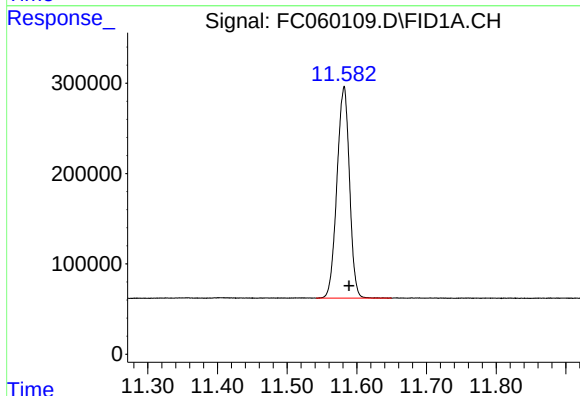
#9 ortho-Terphenyl (SURR)

R.T.: 10.647 min
Delta R.T.: -0.008 min
Response: 3133528
Conc: 20.14 ug/ml

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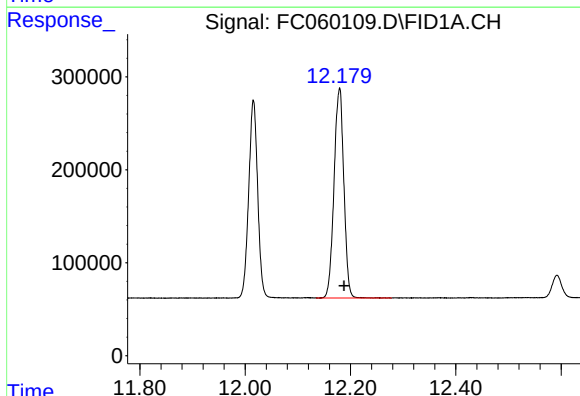
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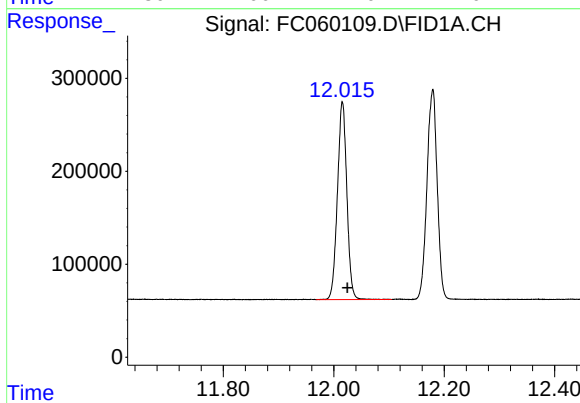
#10 n-Eicosane (C20)

R.T.: 11.581 min
Delta R.T.: -0.008 min
Response: 2923549
Conc: 20.49 ug/ml



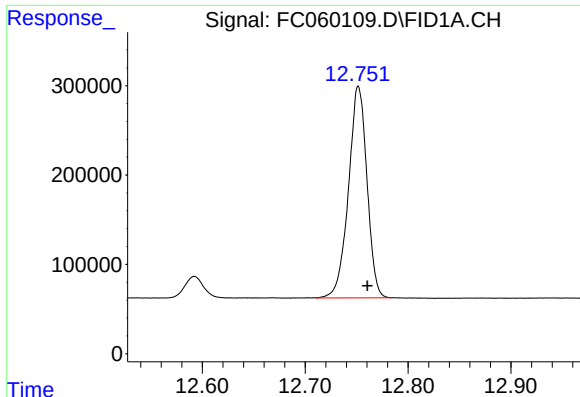
#11 n-Heneicosane (C21)

R.T.: 12.179 min
Delta R.T.: -0.009 min
Response: 2915245
Conc: 20.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.016 min
Delta R.T.: -0.009 min
Response: 2521243
Conc: 20.33 ug/ml



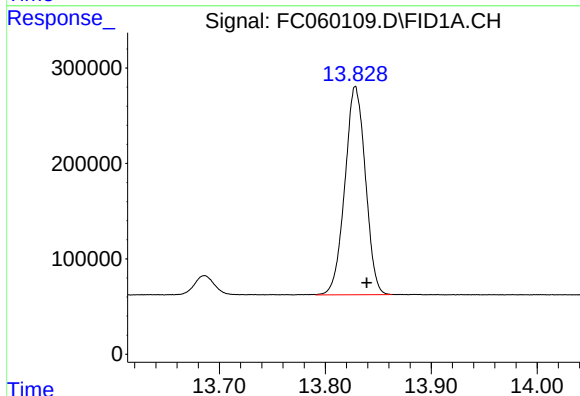
#13 n-Docosane (C22)

R.T.: 12.751 min
Delta R.T.: -0.009 min
Response: 2961892
Conc: 20.79 ug/ml

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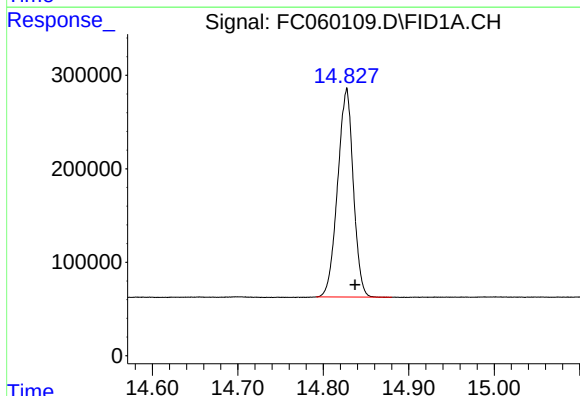
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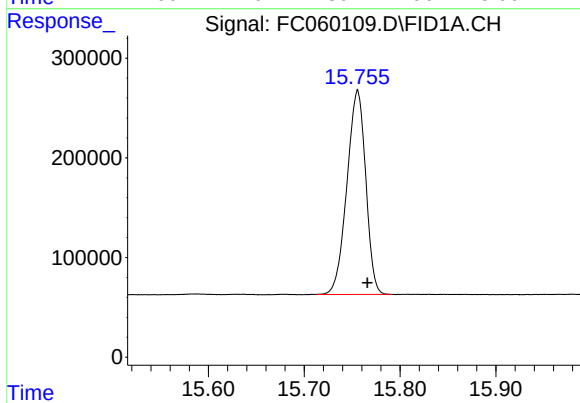
#14 n-Tetracosane (C24)

R.T.: 13.828 min
Delta R.T.: -0.011 min
Response: 2937768
Conc: 20.93 ug/ml m



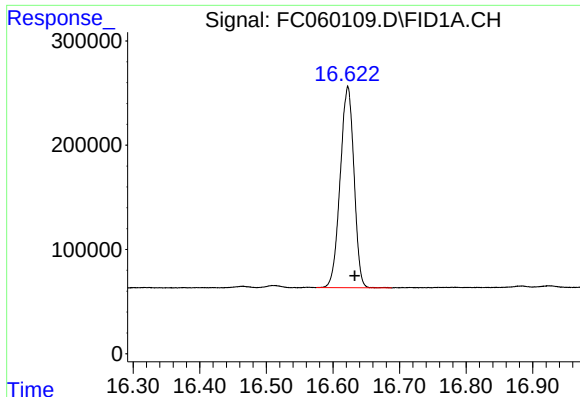
#15 n-Hexacosane (C26)

R.T.: 14.827 min
Delta R.T.: -0.011 min
Response: 2844193
Conc: 21.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.755 min
Delta R.T.: -0.010 min
Response: 2808125
Conc: 21.56 ug/ml m



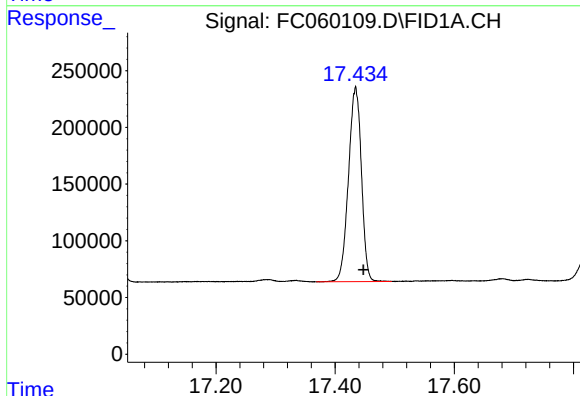
#17 n-Tricontane (C30)

R.T.: 16.622 min
Delta R.T.: -0.011 min
Response: 2776308
Conc: 22.68 ug/ml

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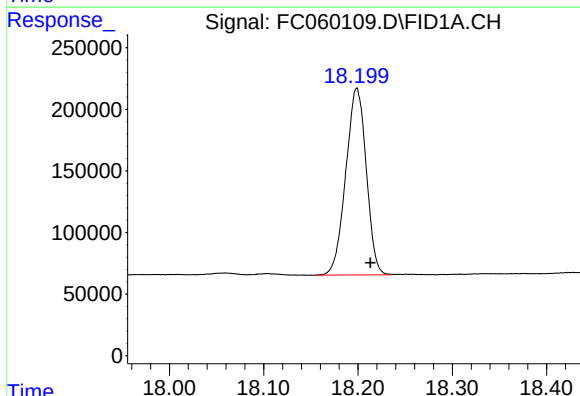
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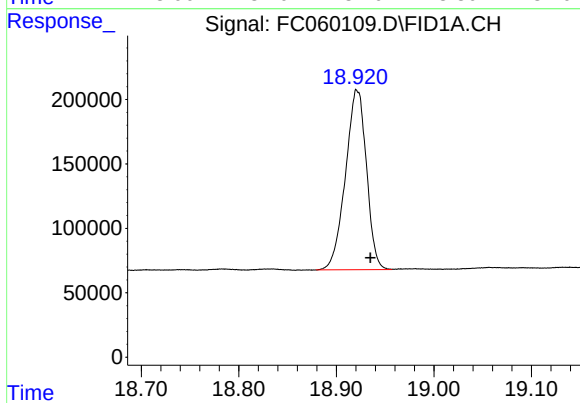
#18 n-Dotriacontane (C32)

R.T.: 17.434 min
Delta R.T.: -0.013 min
Response: 2579807
Conc: 23.14 ug/ml



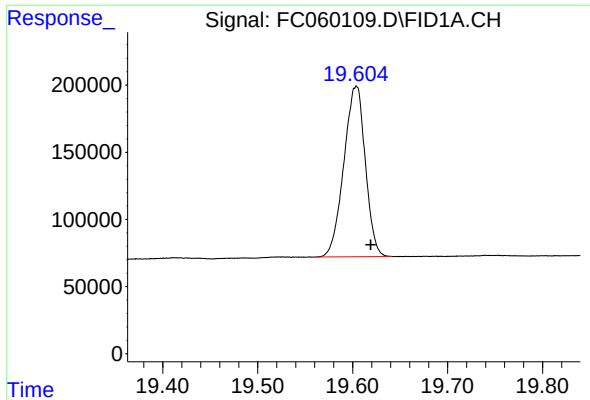
#19 n-Tetratriacontane (C34)

R.T.: 18.199 min
Delta R.T.: -0.014 min
Response: 2291729
Conc: 22.47 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.920 min
Delta R.T.: -0.015 min
Response: 2088614
Conc: 22.06 ug/ml m



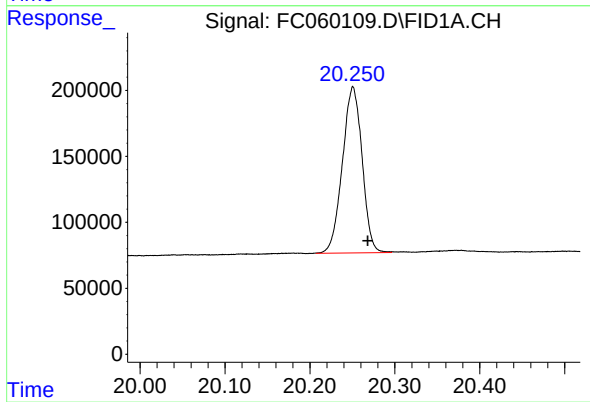
#21 n-Octatriacontane (C38)

R.T.: 19.604 min
Delta R.T.: -0.015 min
Response: 1995247
Conc: 21.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.250 min
Delta R.T.: -0.018 min
Response: 2028627
Conc: 21.56 ug/ml m