

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061822AL\
 Data File : FC060351.D
 Signal(s) : FID1A.CH
 Acq On : 19 Jun 2022 12:15
 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 06/20/2022
 Supervised By :Ankita Jodhani 06/20/2022

Integration File: autoint1.e
 Quant Time: Jun 20 01:05:18 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)	10.662	2830212	18.186 ug/ml
Spiked Amount 50.000		Recovery =	36.37%
12) S 1-chlorooctadecane (S...	12.034	2208325	17.811 ug/ml
Spiked Amount 50.000		Recovery =	35.62%
Target Compounds			
1) T n-Nonane (C9)	2.622	2668729	20.852 ug/ml
2) T n-Decane (C10)	3.625	2672814	20.893 ug/ml
3) T A~Naphthalene (C11.7)	5.171	2965366	20.516 ug/ml
4) T n-Dodecane (C12)	5.582	2771155	20.788 ug/ml
5) T A~2-methylnaphthalene...	6.198	2994299	20.401 ug/ml
6) T n-Tetradecane (C14)	7.337	2781122	20.372 ug/ml
7) T n-Hexadecane (C16)	8.904	2759333	19.666 ug/ml
8) T n-Octadecane (C18)	10.316	2717604	18.990 ug/ml
10) T n-Eicosane (C20)	11.598	2591223	18.162 ug/ml
11) T n-Heneicosane (C21)	12.196	2557045	17.839 ug/ml
13) T n-Docosane (C22)	12.770	2519377	17.680 ug/ml
14) T n-Tetracosane (C24)	13.851	2436630	17.364 ug/ml
15) T n-Hexacosane (C26)	14.850	2365995	17.472 ug/ml
16) T n-Octacosane (C28)	15.780	2379113	18.268 ug/ml
17) T n-Tricontane (C30)	16.650	2417568	19.747 ug/ml
18) T n-Dotriacontane (C32)	17.465	2387996	21.418 ug/mlm
19) T n-Tetratriacontane (C34)	18.232	2522309	24.730 ug/mlm
20) T n-Hexatriacontane (C36)	18.955	2147838	22.681 ug/mlm
21) T n-Octatriacontane (C38)	19.638	2052772	22.249 ug/mlm
22) T n-Tetracontane (C40)	20.287	2385529	25.355 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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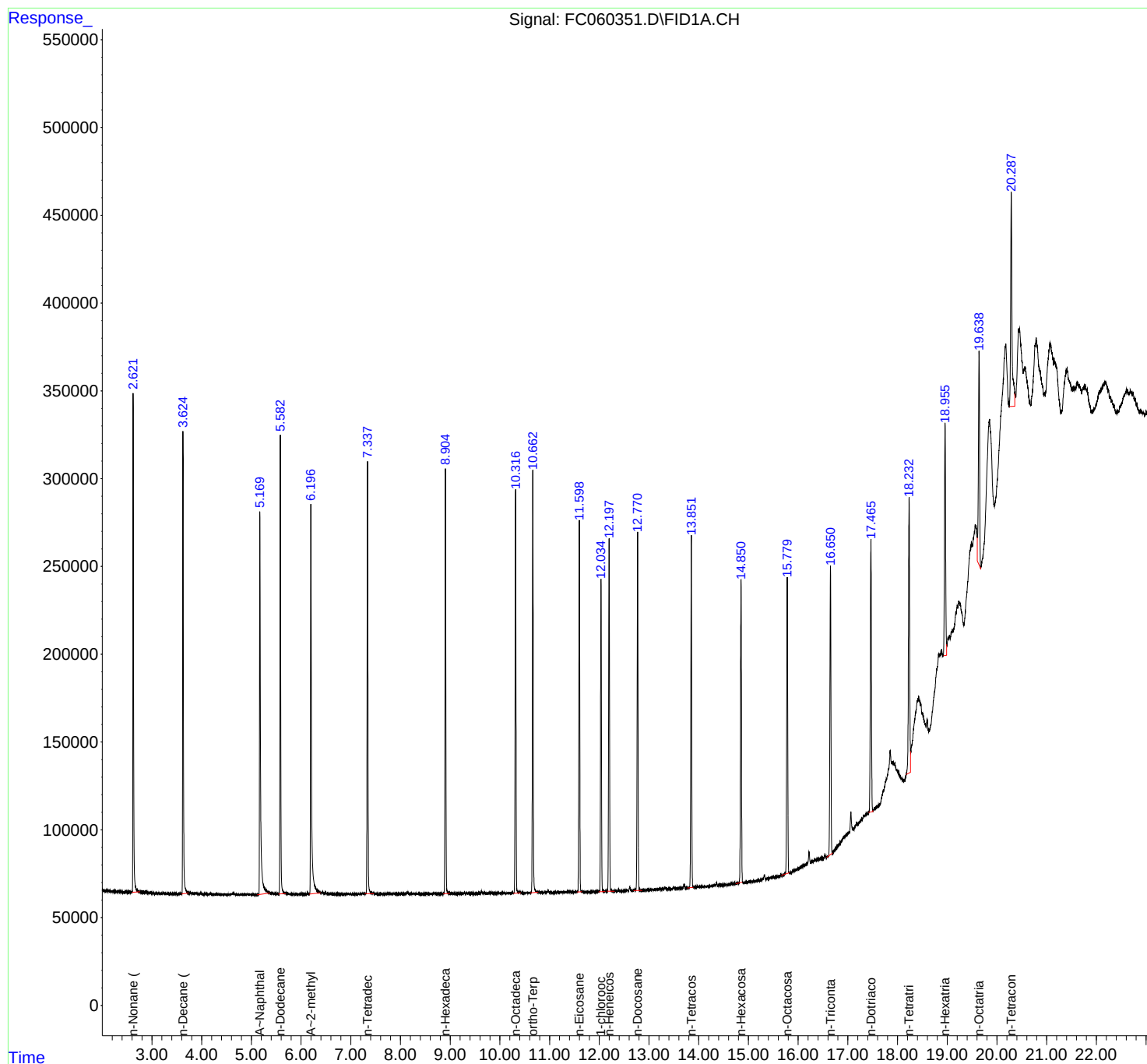
Instrument :
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20 PPM ALIPHATIC HC STD

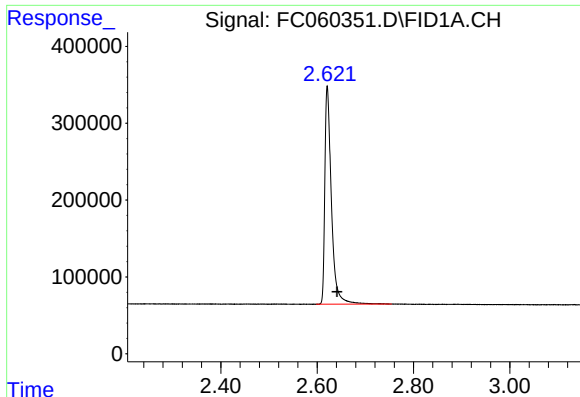
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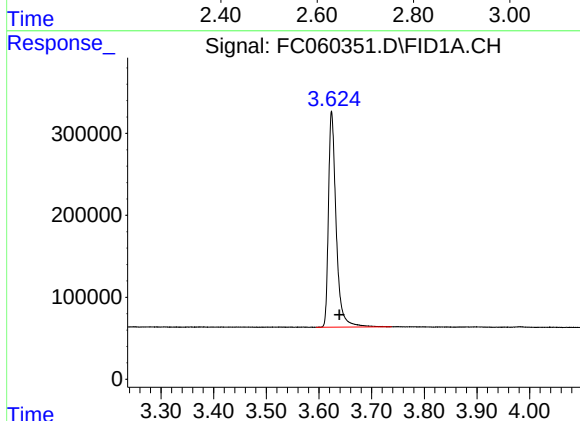
#1 n-Nonane (C9)

R.T.: 2.622 min
Delta R.T.: -0.019 min
Response: 2668729
Conc: 20.85 ug/ml

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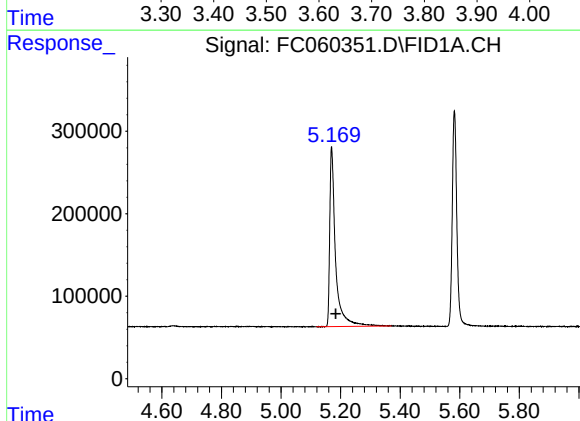
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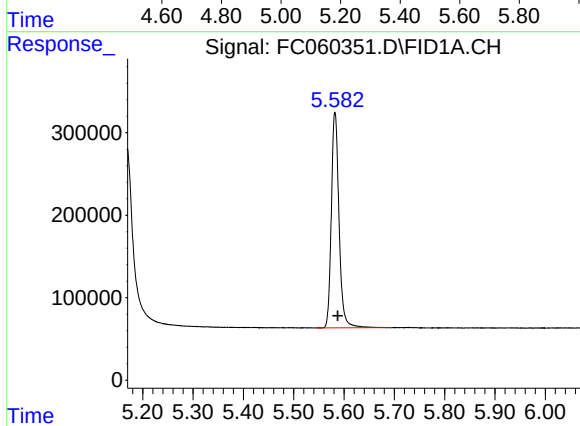
#2 n-Decane (C10)

R.T.: 3.625 min
Delta R.T.: -0.014 min
Response: 2672814
Conc: 20.89 ug/ml



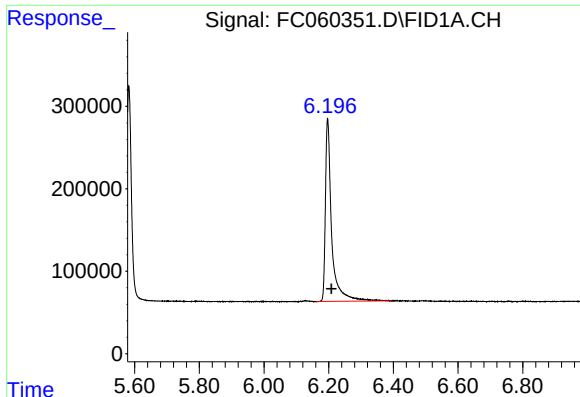
#3 A~Naphthalene (C11.7)

R.T.: 5.171 min
Delta R.T.: -0.013 min
Response: 2965366
Conc: 20.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.582 min
Delta R.T.: -0.005 min
Response: 2771155
Conc: 20.79 ug/ml



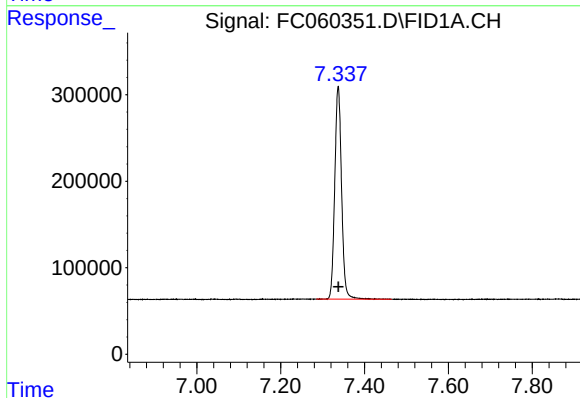
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.198 min
Delta R.T.: -0.010 min
Response: 2994299
Conc: 20.40 ug/ml

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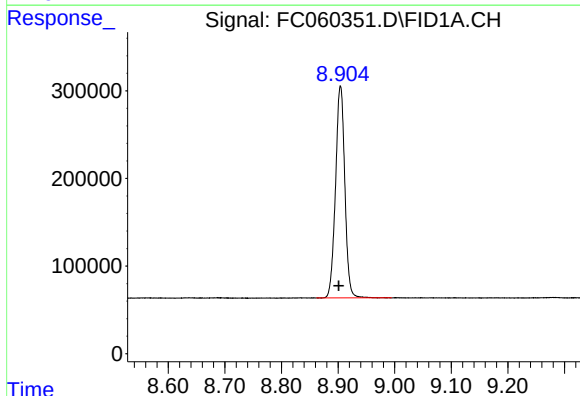
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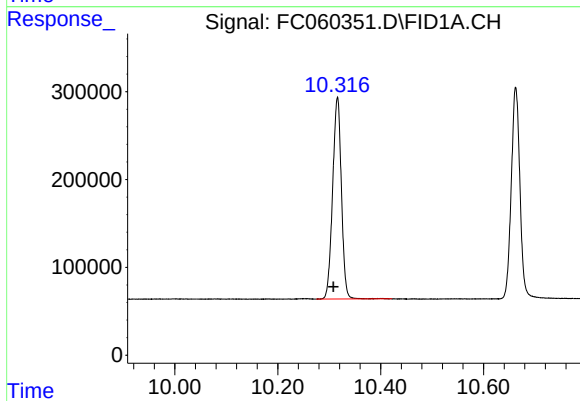
#6 n-Tetradecane (C14)

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 2781122
Conc: 20.37 ug/ml



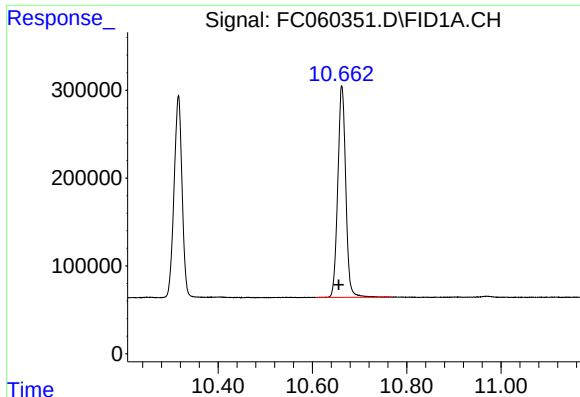
#7 n-Hexadecane (C16)

R.T.: 8.904 min
Delta R.T.: 0.003 min
Response: 2759333
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.316 min
Delta R.T.: 0.007 min
Response: 2717604
Conc: 18.99 ug/ml



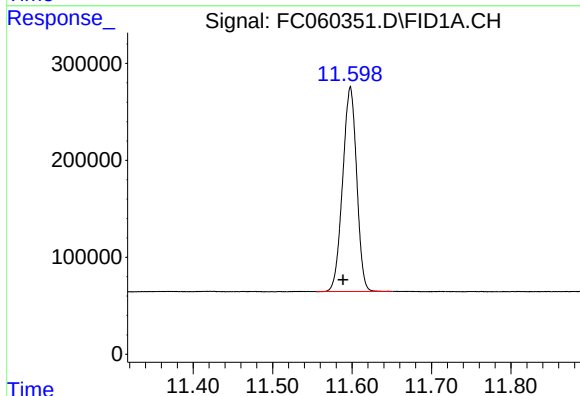
#9 ortho-Terphenyl (SURR)

R.T.: 10.662 min
Delta R.T.: 0.007 min
Response: 2830212
Conc: 18.19 ug/ml

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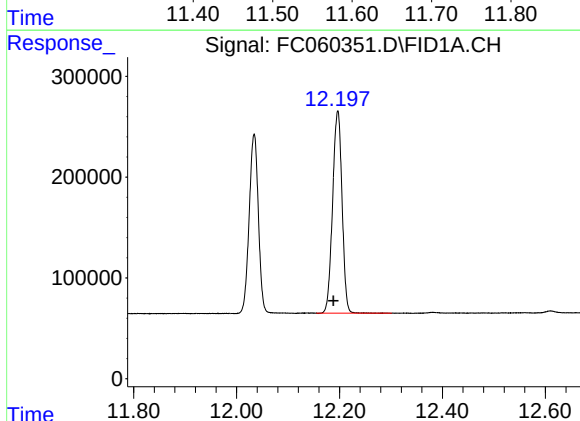
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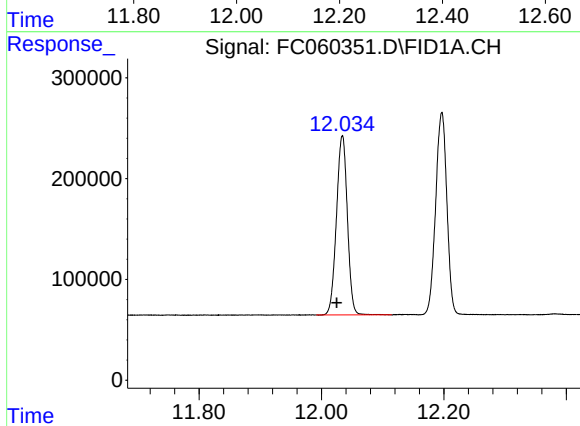
#10 n-Eicosane (C20)

R.T.: 11.598 min
Delta R.T.: 0.009 min
Response: 2591223
Conc: 18.16 ug/ml



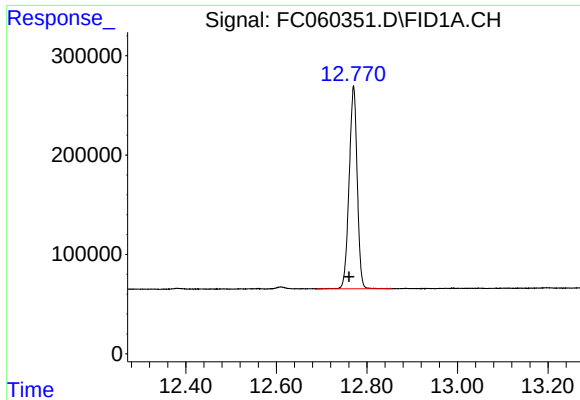
#11 n-Heneicosane (C21)

R.T.: 12.196 min
Delta R.T.: 0.008 min
Response: 2557045
Conc: 17.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.034 min
Delta R.T.: 0.009 min
Response: 2208325
Conc: 17.81 ug/ml



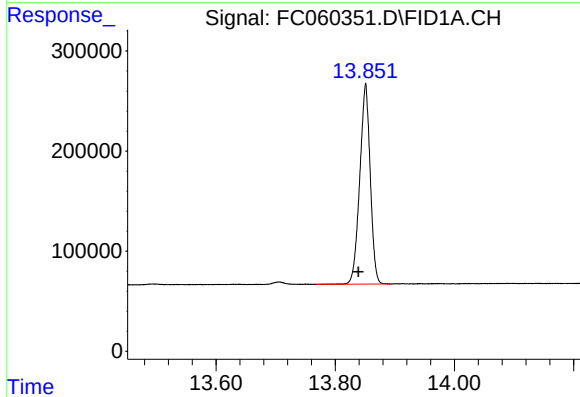
#13 n-Docosane (C22)

R.T.: 12.770 min
Delta R.T.: 0.010 min
Response: 2519377
Conc: 17.68 ug/ml

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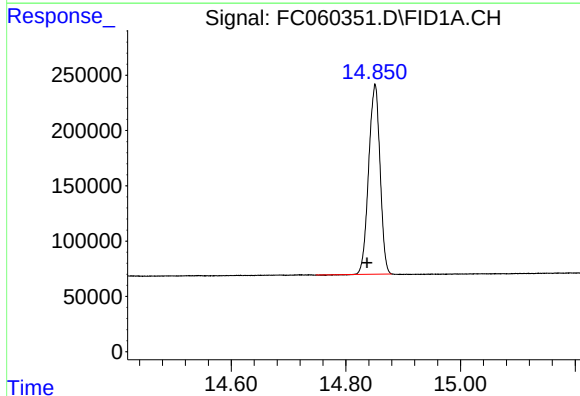
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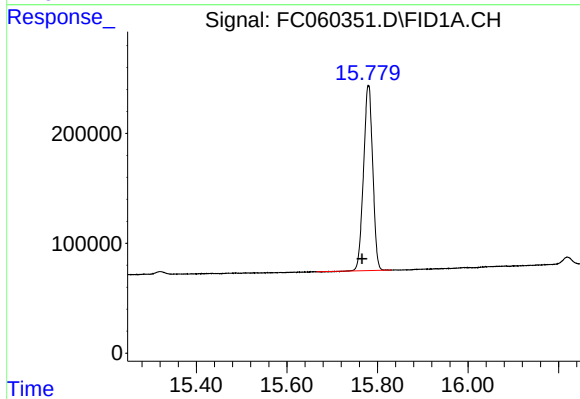
#14 n-Tetracosane (C24)

R.T.: 13.851 min
Delta R.T.: 0.011 min
Response: 2436630
Conc: 17.36 ug/ml



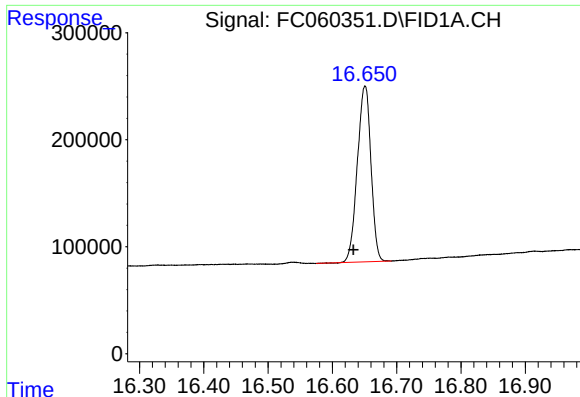
#15 n-Hexacosane (C26)

R.T.: 14.850 min
Delta R.T.: 0.013 min
Response: 2365995
Conc: 17.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.780 min
Delta R.T.: 0.014 min
Response: 2379113
Conc: 18.27 ug/ml



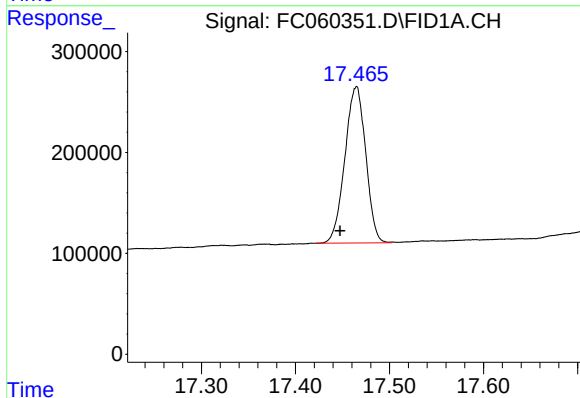
#17 n-Tricontane (C30)

R.T.: 16.650 min
Delta R.T.: 0.017 min
Response: 2417568
Conc: 19.75 ug/ml

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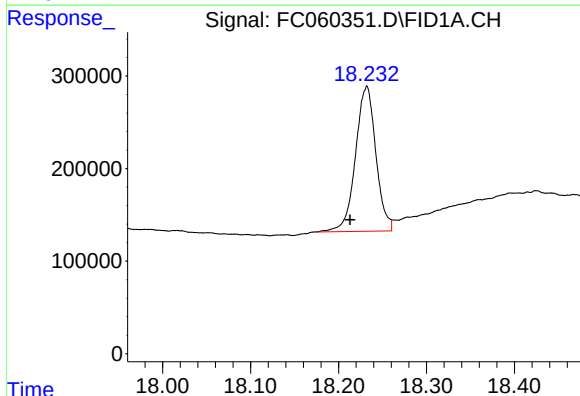
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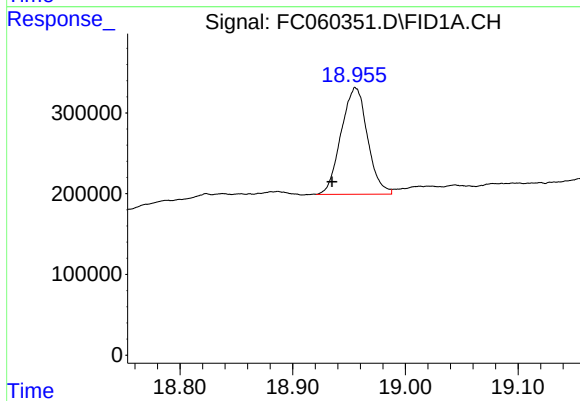
#18 n-Dotriacontane (C32)

R.T.: 17.465 min
Delta R.T.: 0.017 min
Response: 2387996
Conc: 21.42 ug/ml m



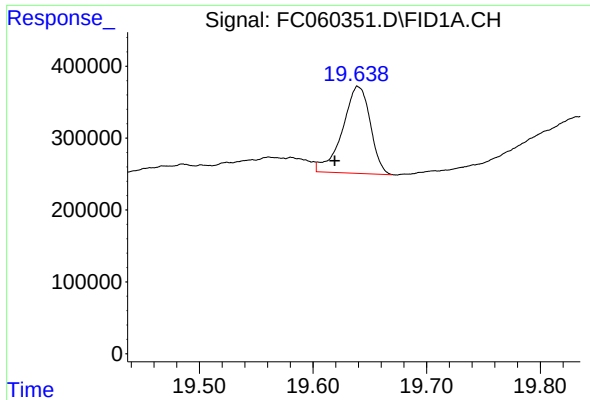
#19 n-Tetratriacontane (C34)

R.T.: 18.232 min
Delta R.T.: 0.019 min
Response: 2522309
Conc: 24.73 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.955 min
Delta R.T.: 0.020 min
Response: 2147838
Conc: 22.68 ug/ml m



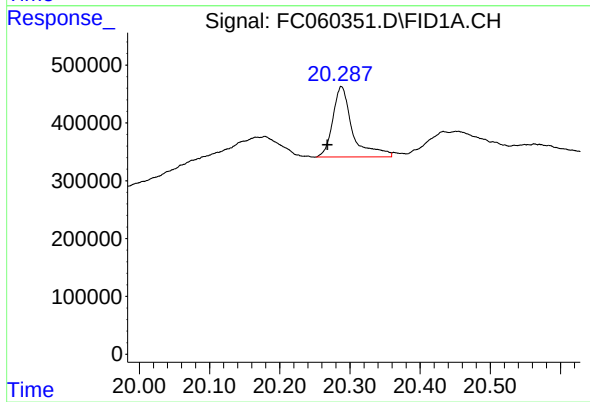
#21 n-Octatriacontane (C38)

R.T.: 19.638 min
Delta R.T.: 0.019 min
Response: 2052772
Conc: 22.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.287 min
Delta R.T.: 0.019 min
Response: 2385529
Conc: 25.35 ug/ml m