

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061322AL\
 Data File : FC060213.D
 Signal(s) : FID1A.CH
 Acq On : 13 Jun 2022 10:46
 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 06/14/2022
 Supervised By :Ankita Jodhani 06/14/2022

Integration File: autoint1.e
 Quant Time: Jun 13 13:59:53 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)	10.645	2599174	16.702 ug/ml
Spiked Amount 50.000		Recovery =	33.40%
12) S 1-chlorooctadecane (S...	12.015	2081207	16.785 ug/ml
Spiked Amount 50.000		Recovery =	33.57%
Target Compounds			
1) T n-Nonane (C9)	2.624	2081659	16.265 ug/ml
2) T n-Decane (C10)	3.623	2186185	17.089 ug/ml
3) T A~Naphthalene (C11.7)	5.162	2455376	16.988 ug/ml
4) T n-Dodecane (C12)	5.576	2287400	17.159 ug/ml
5) T A~2-methylnaphthalene...	6.185	2479485	16.894 ug/ml
6) T n-Tetradecane (C14)	7.327	2362128	17.303 ug/ml
7) T n-Hexadecane (C16)	8.890	2437653	17.374 ug/ml
8) T n-Octadecane (C18)	10.299	2476530	17.305 ug/ml
10) T n-Eicosane (C20)	11.579	2453241	17.195 ug/ml
11) T n-Heneicosane (C21)	12.178	2429285	16.948 ug/ml
13) T n-Docosane (C22)	12.750	2486890	17.452 ug/mlm
14) T n-Tetracosane (C24)	13.828	2461141	17.538 ug/ml
15) T n-Hexacosane (C26)	14.827	2375018	17.539 ug/ml
16) T n-Octacosane (C28)	15.754	2404240	18.461 ug/ml
17) T n-Tricontane (C30)	16.622	2442170	19.948 ug/ml
18) T n-Dotriacontane (C32)	17.434	2307281	20.694 ug/ml
19) T n-Tetratriacontane (C34)	18.200	2030859	19.911 ug/ml
20) T n-Hexatriacontane (C36)	18.923	1804279	19.053 ug/ml
21) T n-Octatriacontane (C38)	19.605	1694547	18.367 ug/ml
22) T n-Tetracontane (C40)	20.254	1712187	18.198 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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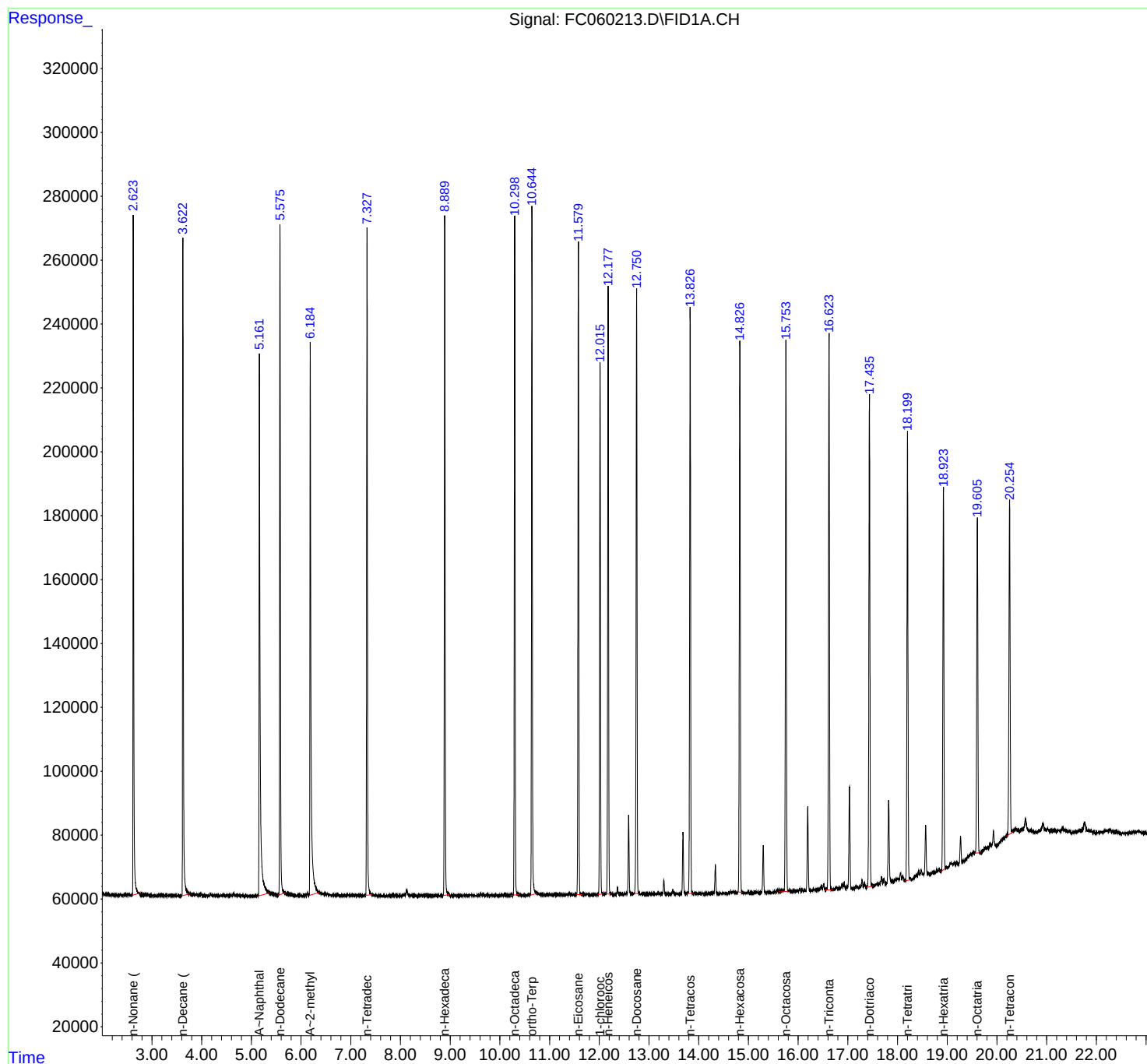
Instrument :
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20 PPM ALIPHATIC HC STD

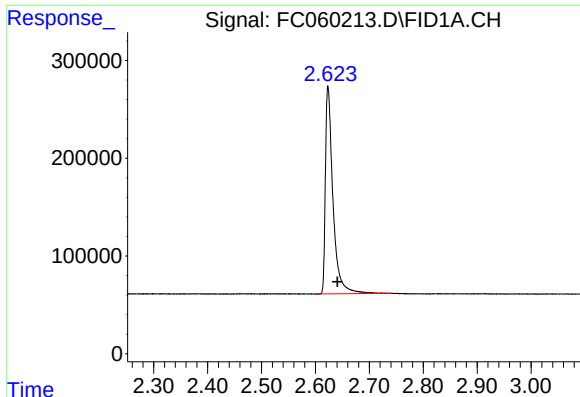
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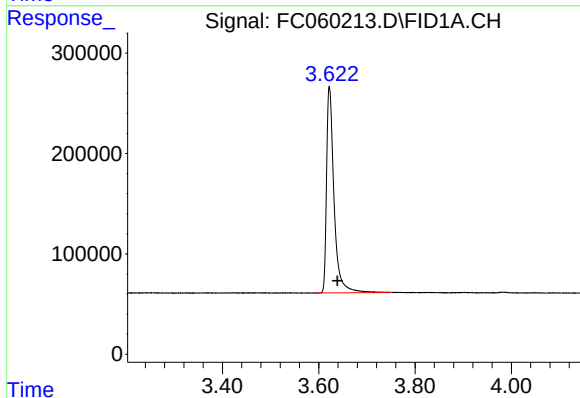
#1 n-Nonane (C9)

R.T.: 2.624 min
Delta R.T.: -0.017 min
Response: 2081659
Conc: 16.26 ug/ml

Instrument :
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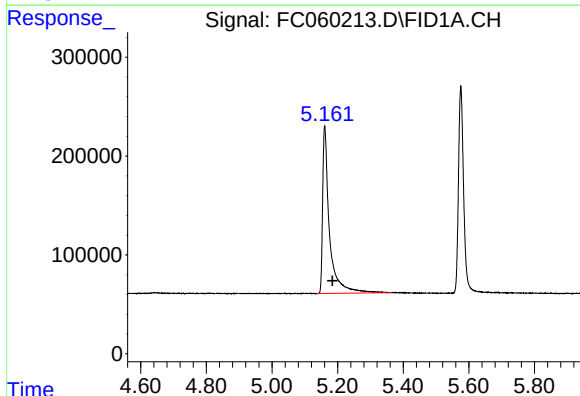
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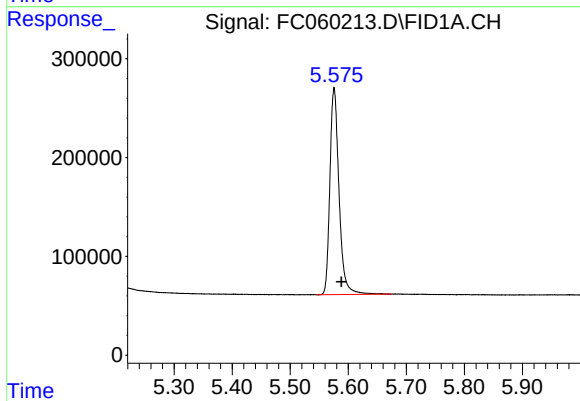
#2 n-Decane (C10)

R.T.: 3.623 min
Delta R.T.: -0.016 min
Response: 2186185
Conc: 17.09 ug/ml



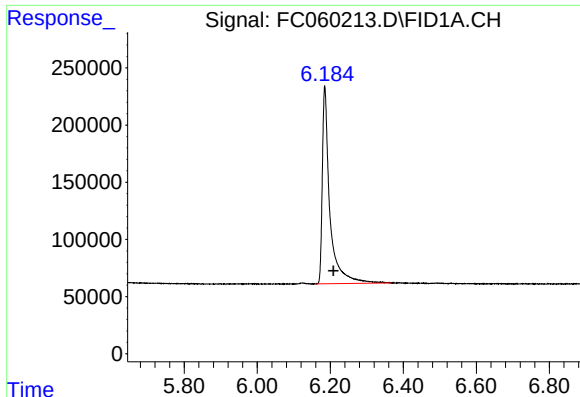
#3 A~Naphthalene (C11.7)

R.T.: 5.162 min
Delta R.T.: -0.022 min
Response: 2455376
Conc: 16.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.576 min
Delta R.T.: -0.012 min
Response: 2287400
Conc: 17.16 ug/ml



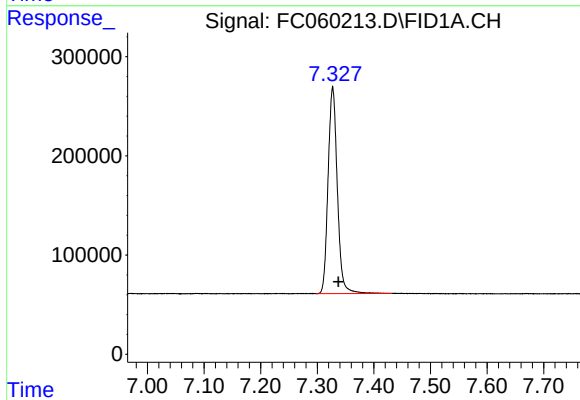
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.185 min
Delta R.T.: -0.023 min
Response: 2479485
Conc: 16.89 ug/ml

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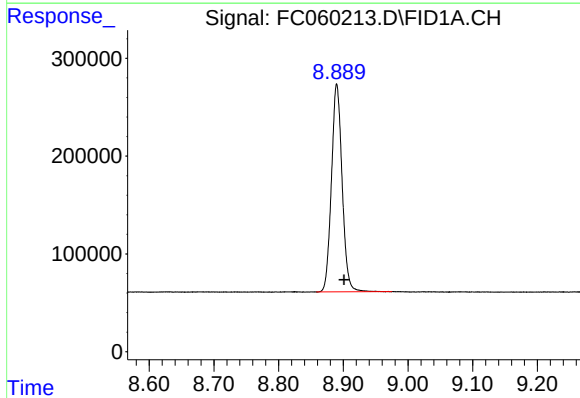
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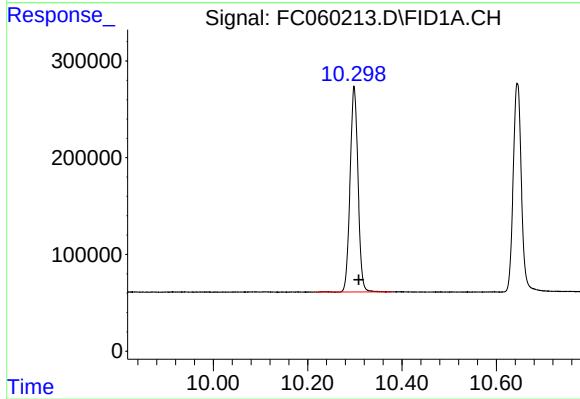
#6 n-Tetradecane (C14)

R.T.: 7.327 min
Delta R.T.: -0.010 min
Response: 2362128
Conc: 17.30 ug/ml



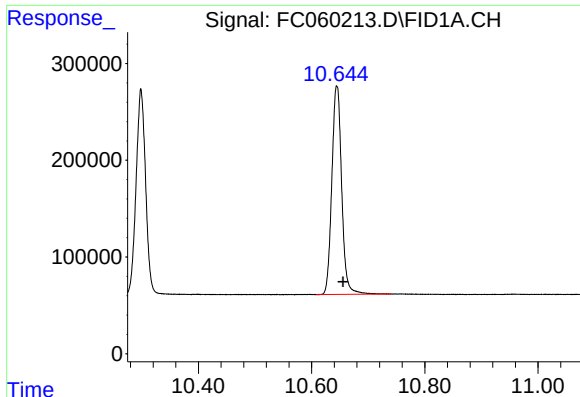
#7 n-Hexadecane (C16)

R.T.: 8.890 min
Delta R.T.: -0.011 min
Response: 2437653
Conc: 17.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.299 min
Delta R.T.: -0.009 min
Response: 2476530
Conc: 17.31 ug/ml



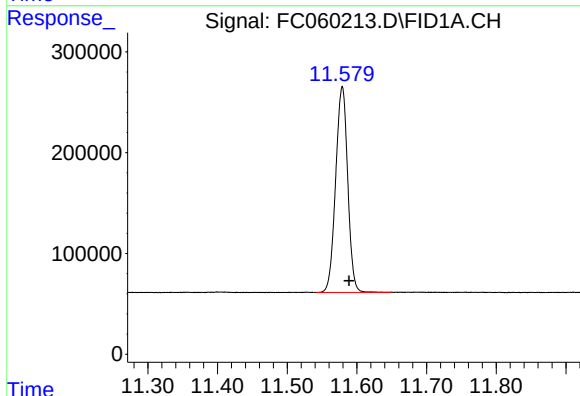
#9 ortho-Terphenyl (SURR)

R.T.: 10.645 min
Delta R.T.: -0.011 min
Response: 2599174
Conc: 16.70 ug/ml

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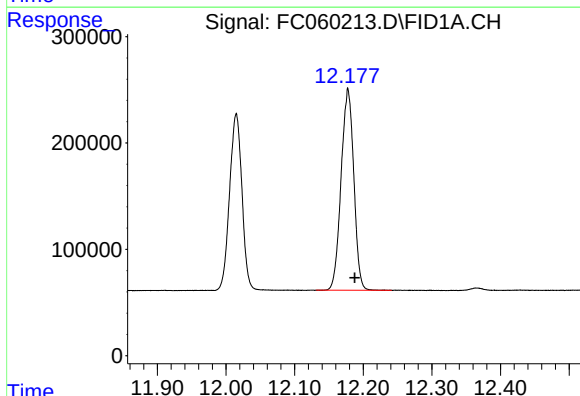
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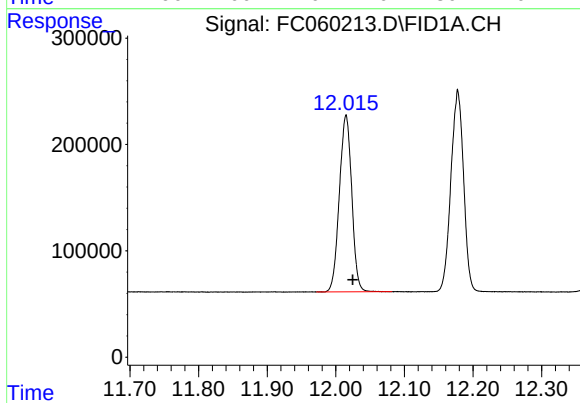
#10 n-Eicosane (C20)

R.T.: 11.579 min
Delta R.T.: -0.010 min
Response: 2453241
Conc: 17.20 ug/ml



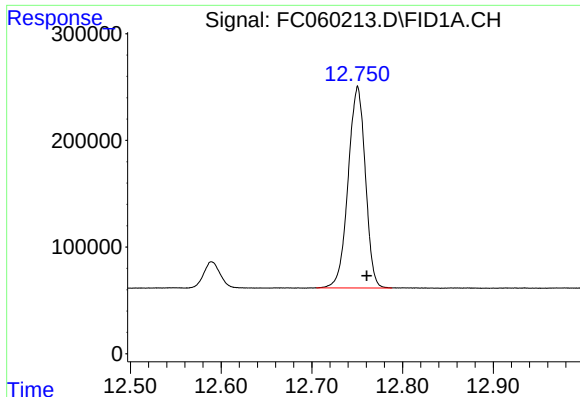
#11 n-Heneicosane (C21)

R.T.: 12.178 min
Delta R.T.: -0.010 min
Response: 2429285
Conc: 16.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.015 min
Delta R.T.: -0.010 min
Response: 2081207
Conc: 16.79 ug/ml



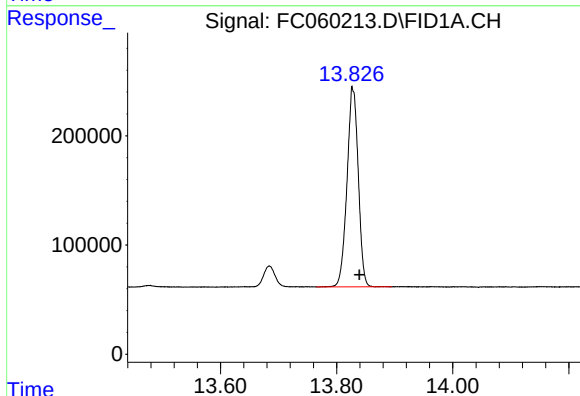
#13 n-Docosane (C22)

R.T.: 12.750 min
Delta R.T.: -0.010 min
Response: 2486890
Conc: 17.45 ug/ml

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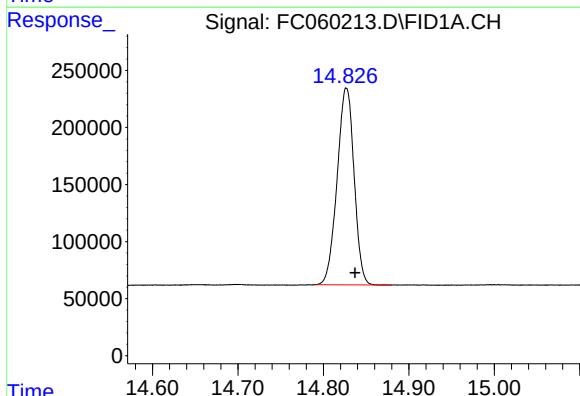
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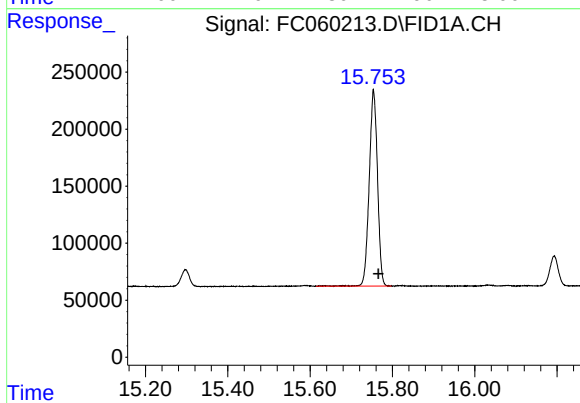
#14 n-Tetracosane (C24)

R.T.: 13.828 min
Delta R.T.: -0.011 min
Response: 2461141
Conc: 17.54 ug/ml



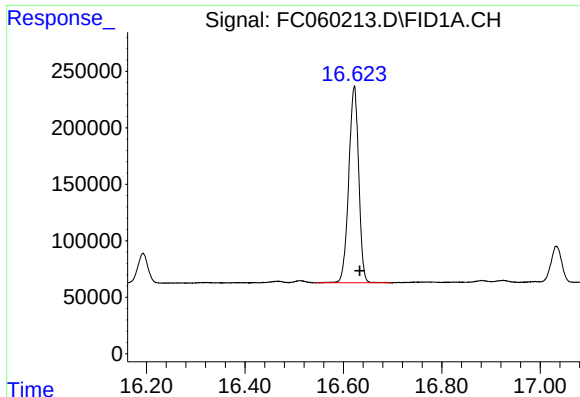
#15 n-Hexacosane (C26)

R.T.: 14.827 min
Delta R.T.: -0.010 min
Response: 2375018
Conc: 17.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.754 min
Delta R.T.: -0.012 min
Response: 2404240
Conc: 18.46 ug/ml



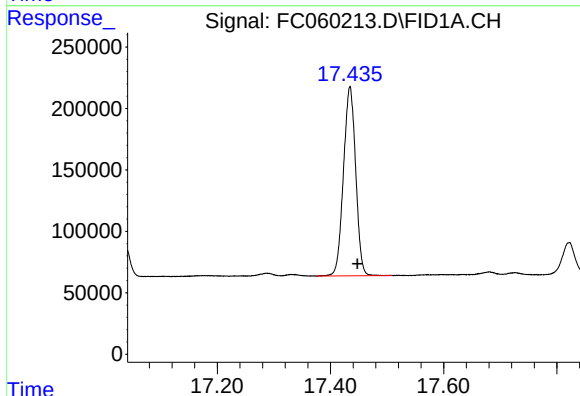
#17 n-Tricontane (C30)

R.T.: 16.622 min
Delta R.T.: -0.011 min
Response: 2442170
Conc: 19.95 ug/ml

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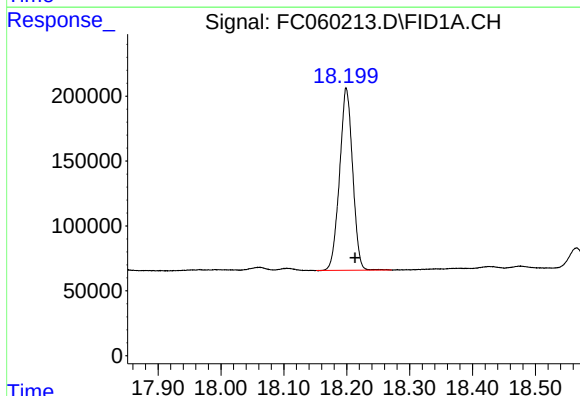
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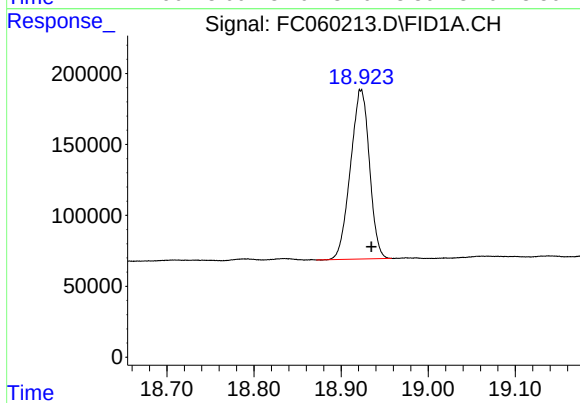
#18 n-Dotriacontane (C32)

R.T.: 17.434 min
Delta R.T.: -0.013 min
Response: 2307281
Conc: 20.69 ug/ml



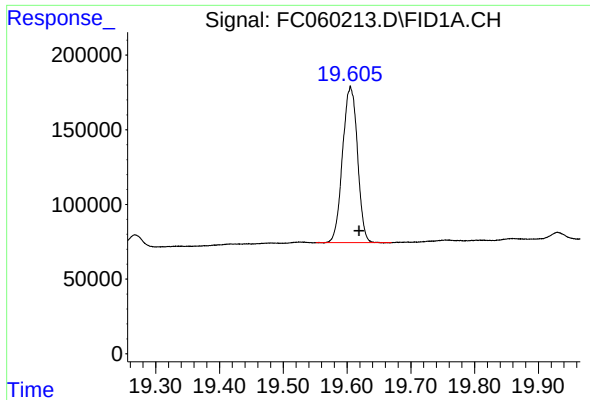
#19 n-Tetratriacontane (C34)

R.T.: 18.200 min
Delta R.T.: -0.014 min
Response: 2030859
Conc: 19.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.923 min
Delta R.T.: -0.012 min
Response: 1804279
Conc: 19.05 ug/ml



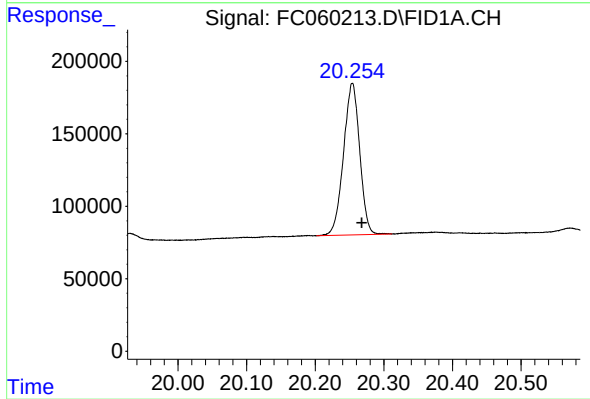
#21 n-Octatriacontane (C38)

R.T.: 19.605 min
Delta R.T.: -0.014 min
Response: 1694547
Conc: 18.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.254 min
Delta R.T.: -0.014 min
Response: 1712187
Conc: 18.20 ug/ml