

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060722AL\
 Data File : FC060129.D
 Signal(s) : FID1A.CH
 Acq On : 07 Jun 2022 15:39
 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 06/08/2022
 Supervised By :Ankita Jodhani 06/08/2022

Integration File: autoint1.e
 Quant Time: Jun 08 02:28:09 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	2840635	18.253 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
12) S 1-chlorooctadecane (S...	12.016	2280377	18.392 ug/ml
Spiked Amount 50.000		Recovery =	36.78%
Target Compounds			
1) T n-Nonane (C9)	2.630	2329438	18.201 ug/ml
2) T n-Decane (C10)	3.628	2377069	18.581 ug/ml
3) T A~Naphthalene (C11.7)	5.165	2685604	18.580 ug/ml
4) T n-Dodecane (C12)	5.580	2491636	18.691 ug/ml
5) T A~2-methylnaphthalene...	6.190	2740380	18.671 ug/ml
6) T n-Tetradecane (C14)	7.330	2563791	18.780 ug/ml
7) T n-Hexadecane (C16)	8.893	2621922	18.687 ug/ml
8) T n-Octadecane (C18)	10.302	2667992	18.643 ug/ml
10) T n-Eicosane (C20)	11.581	2651710	18.586 ug/ml
11) T n-Heneicosane (C21)	12.179	2636726	18.395 ug/ml
13) T n-Docosane (C22)	12.752	2597180	18.226 ug/ml
14) T n-Tetracosane (C24)	13.829	2626076	18.714 ug/ml
15) T n-Hexacosane (C26)	14.826	2585712	19.095 ug/ml
16) T n-Octacosane (C28)	15.754	2574618	19.769 ug/mlm
17) T n-Tricontane (C30)	16.622	2567919	20.975 ug/ml
18) T n-Dotriacontane (C32)	17.434	2415866	21.668 ug/ml
19) T n-Tetratriacontane (C34)	18.199	2143042	21.011 ug/ml
20) T n-Hexatriacontane (C36)	18.921	1943660	20.525 ug/mlm
21) T n-Octatriacontane (C38)	19.602	1855533	20.112 ug/mlm
22) T n-Tetracontane (C40)	20.251	1896477	20.157 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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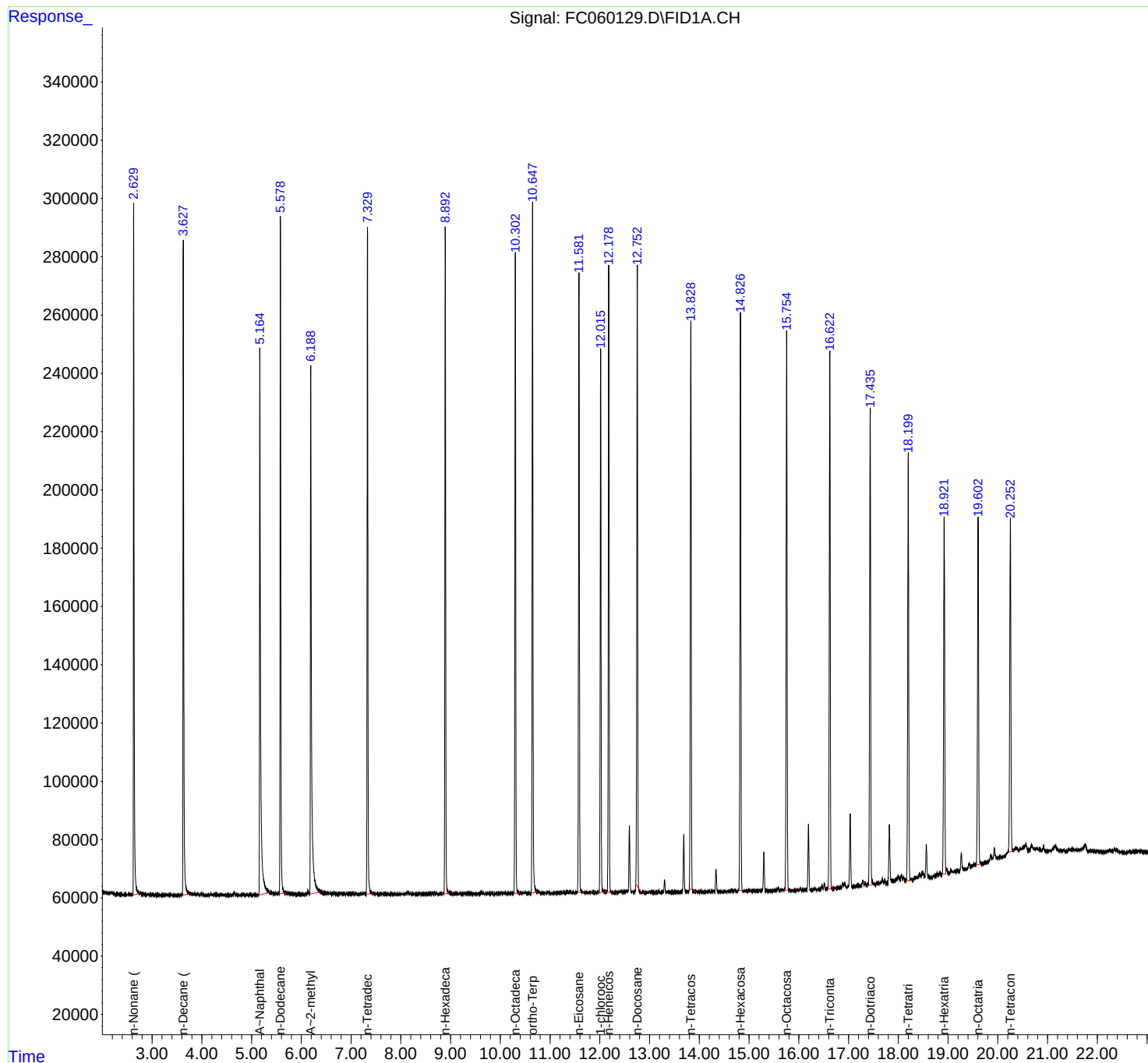
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20 PPM ALIPHATIC HC STD

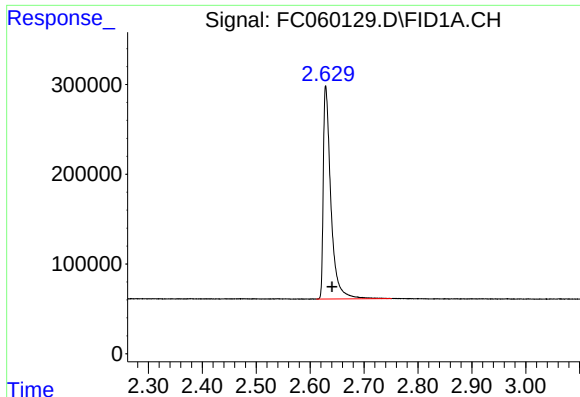
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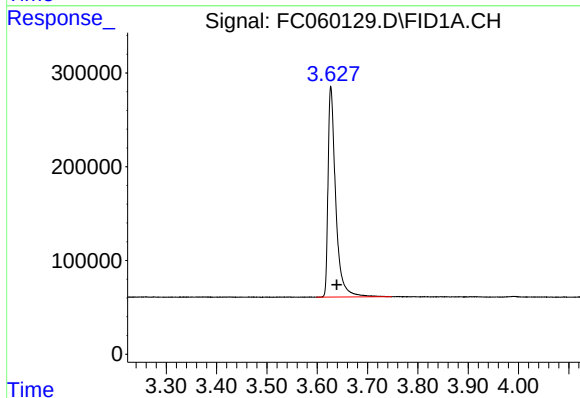
#1 n-Nonane (C9)

R.T.: 2.630 min
Delta R.T.: -0.011 min
Response: 2329438
Conc: 18.20 ug/ml

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20 PPM ALIPHATIC HC STD

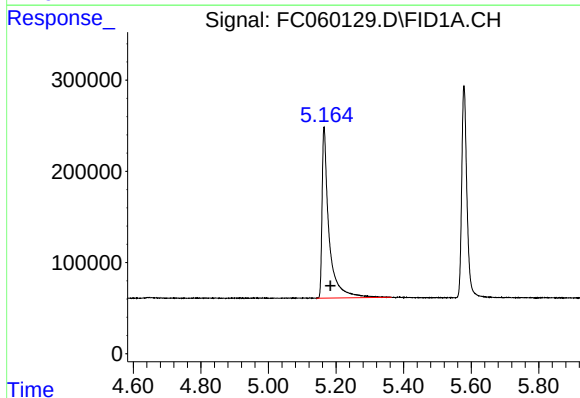
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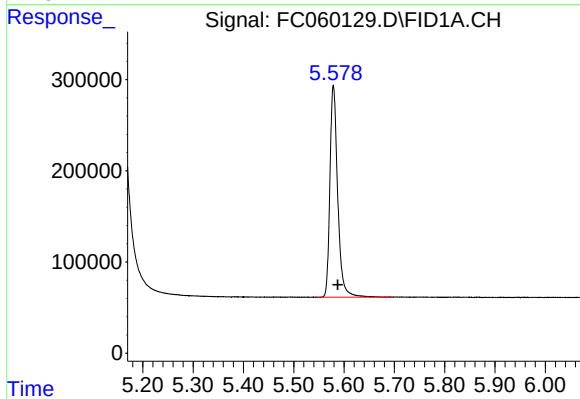
#2 n-Decane (C10)

R.T.: 3.628 min
Delta R.T.: -0.011 min
Response: 2377069
Conc: 18.58 ug/ml



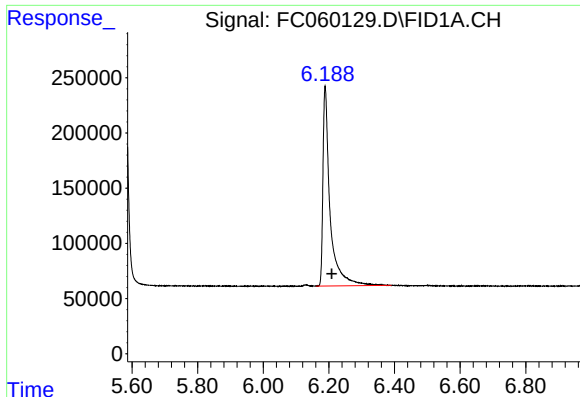
#3 A~Naphthalene (C11.7)

R.T.: 5.165 min
Delta R.T.: -0.018 min
Response: 2685604
Conc: 18.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.580 min
Delta R.T.: -0.008 min
Response: 2491636
Conc: 18.69 ug/ml



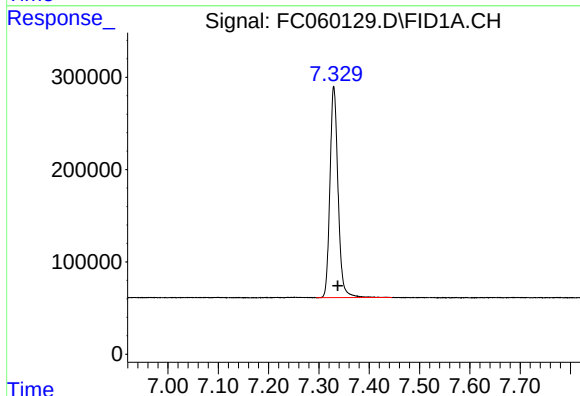
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.190 min
Delta R.T.: -0.018 min
Response: 2740380
Conc: 18.67 ug/ml

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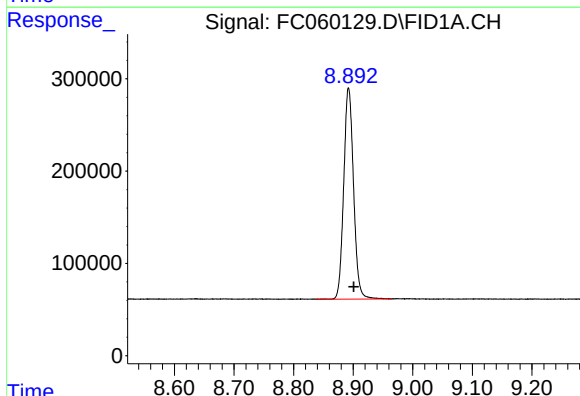
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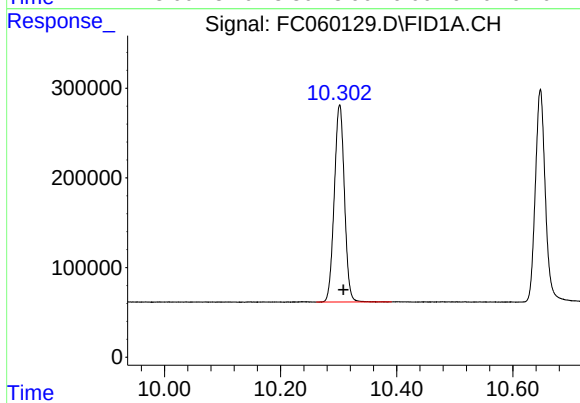
#6 n-Tetradecane (C14)

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 2563791
Conc: 18.78 ug/ml



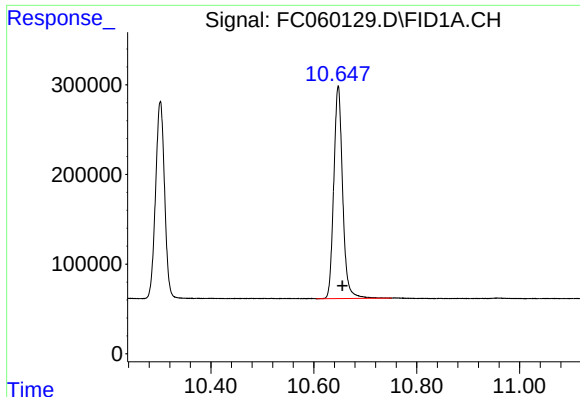
#7 n-Hexadecane (C16)

R.T.: 8.893 min
Delta R.T.: -0.009 min
Response: 2621922
Conc: 18.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.302 min
Delta R.T.: -0.007 min
Response: 2667992
Conc: 18.64 ug/ml



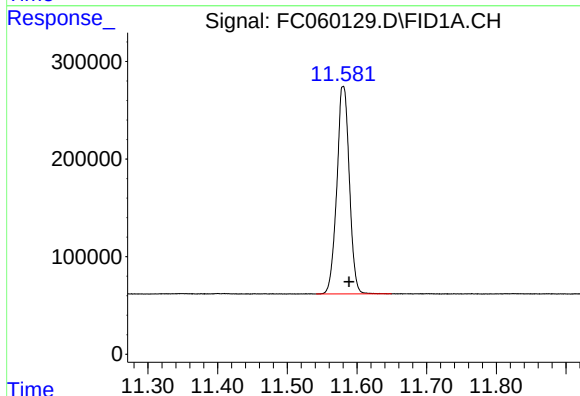
#9 ortho-Terphenyl (SURR)

R.T.: 10.647 min
Delta R.T.: -0.008 min
Response: 2840635
Conc: 18.25 ug/ml

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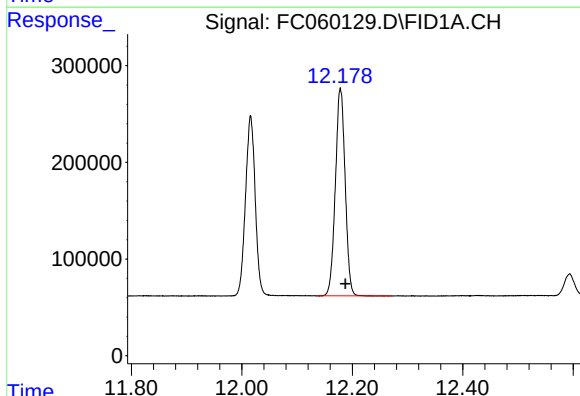
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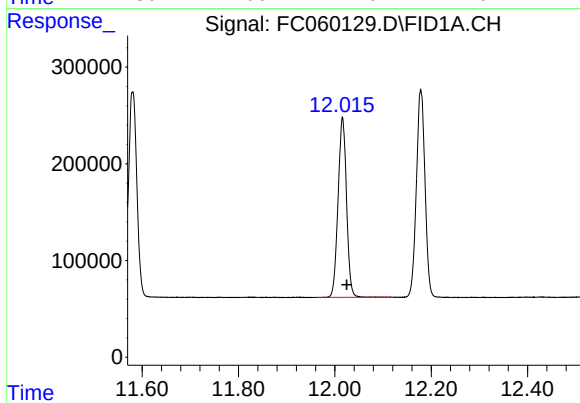
#10 n-Eicosane (C20)

R.T.: 11.581 min
Delta R.T.: -0.008 min
Response: 2651710
Conc: 18.59 ug/ml



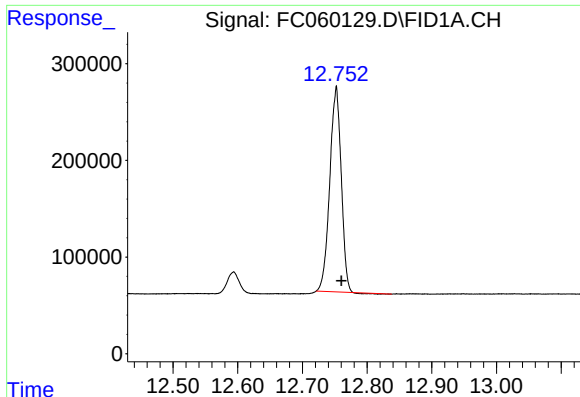
#11 n-Heneicosane (C21)

R.T.: 12.179 min
Delta R.T.: -0.009 min
Response: 2636726
Conc: 18.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.016 min
Delta R.T.: -0.009 min
Response: 2280377
Conc: 18.39 ug/ml



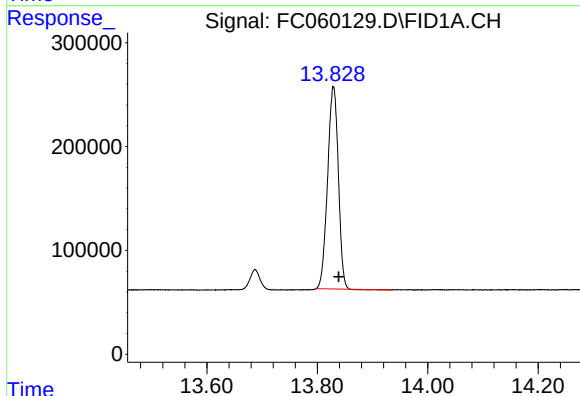
#13 n-Docosane (C22)

R.T.: 12.752 min
Delta R.T.: -0.009 min
Response: 2597180
Conc: 18.23 ug/ml

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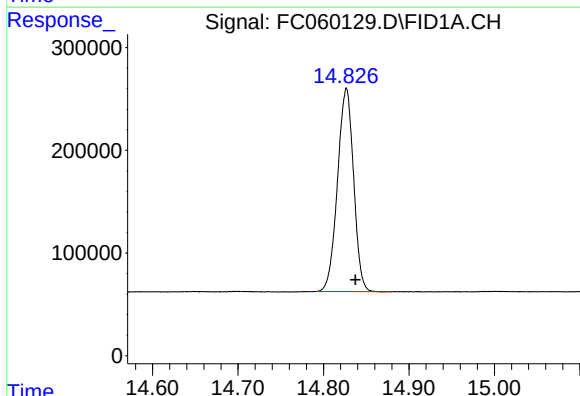
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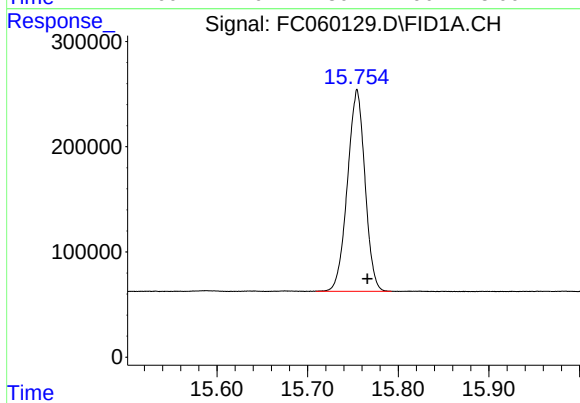
#14 n-Tetracosane (C24)

R.T.: 13.829 min
Delta R.T.: -0.010 min
Response: 2626076
Conc: 18.71 ug/ml



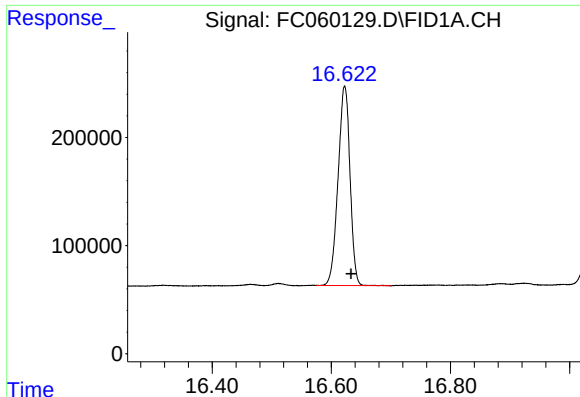
#15 n-Hexacosane (C26)

R.T.: 14.826 min
Delta R.T.: -0.011 min
Response: 2585712
Conc: 19.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.754 min
Delta R.T.: -0.012 min
Response: 2574618
Conc: 19.77 ug/ml m



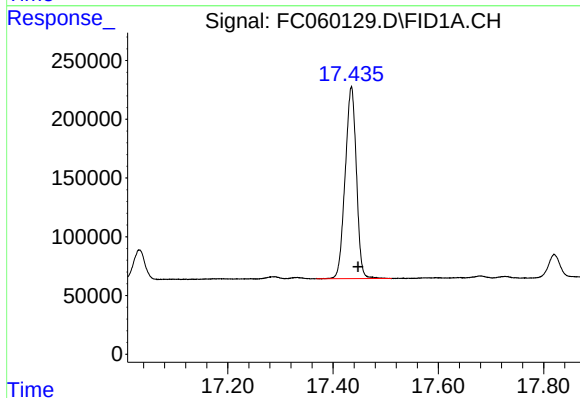
#17 n-Tricontane (C30)

R.T.: 16.622 min
Delta R.T.: -0.011 min
Response: 2567919
Conc: 20.98 ug/ml

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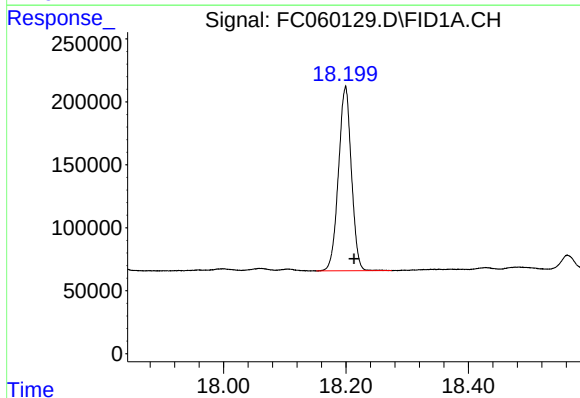
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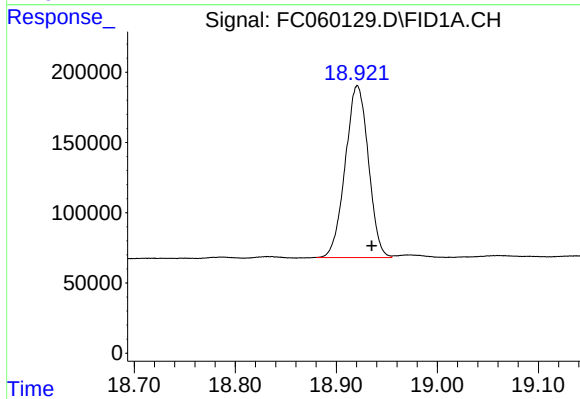
#18 n-Dotriacontane (C32)

R.T.: 17.434 min
Delta R.T.: -0.013 min
Response: 2415866
Conc: 21.67 ug/ml



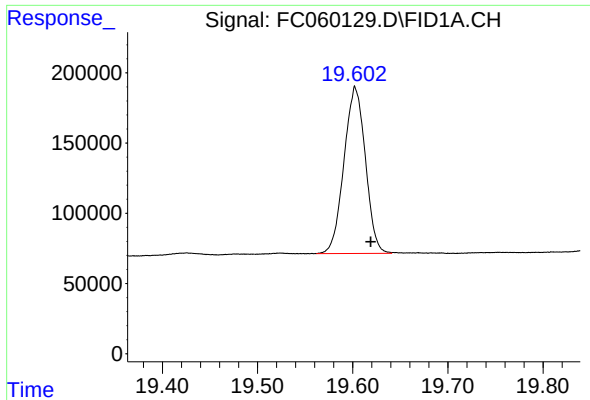
#19 n-Tetratriacontane (C34)

R.T.: 18.199 min
Delta R.T.: -0.014 min
Response: 2143042
Conc: 21.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.921 min
Delta R.T.: -0.014 min
Response: 1943660
Conc: 20.52 ug/ml m



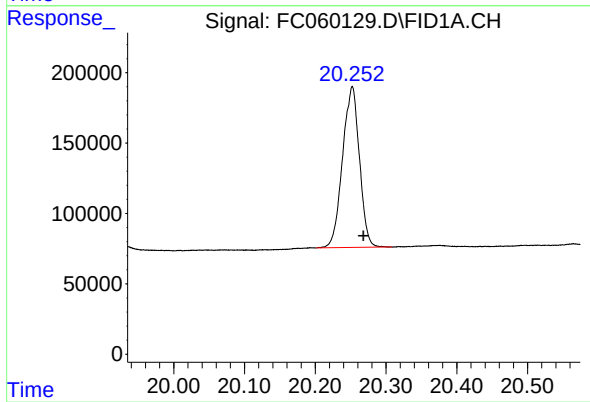
#21 n-Octatriacontane (C38)

R.T.: 19.602 min
Delta R.T.: -0.017 min
Response: 1855533
Conc: 20.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.251 min
Delta R.T.: -0.017 min
Response: 1896477
Conc: 20.16 ug/ml