

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062322AL\
 Data File : FC060411.D
 Signal(s) : FID1A.CH
 Acq On : 23 Jun 2022 10:21
 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 06/24/2022
 Supervised By :Ankita Jodhani 06/24/2022

Integration File: autoint1.e
 Quant Time: Jun 24 01:19:06 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)	10.654	2802565	18.009 ug/ml
Spiked Amount 50.000		Recovery =	36.02%
12) S 1-chlorooctadecane (S...	12.024	2197296	17.722 ug/ml
Spiked Amount 50.000		Recovery =	35.44%
Target Compounds			
1) T n-Nonane (C9)	2.619	2534900	19.806 ug/ml
2) T n-Decane (C10)	3.621	2564975	20.050 ug/ml
3) T A~Naphthalene (C11.7)	5.165	2611075	18.065 ug/ml
4) T n-Dodecane (C12)	5.577	2719766	20.403 ug/ml
5) T A~2-methylnaphthalene...	6.190	2748659	18.728 ug/ml
6) T n-Tetradecane (C14)	7.331	2725010	19.961 ug/ml
7) T n-Hexadecane (C16)	8.896	2733016	19.479 ug/ml
8) T n-Octadecane (C18)	10.308	2689946	18.797 ug/ml
10) T n-Eicosane (C20)	11.588	2587664	18.137 ug/ml
11) T n-Heneicosane (C21)	12.187	2546260	17.764 ug/ml
13) T n-Docosane (C22)	12.761	2503232	17.567 ug/ml
14) T n-Tetracosane (C24)	13.841	2433108	17.338 ug/ml
15) T n-Hexacosane (C26)	14.840	2369474	17.498 ug/ml
16) T n-Octacosane (C28)	15.770	2398274	18.415 ug/ml
17) T n-Tricontane (C30)	16.638	2472447	20.196 ug/ml
18) T n-Dotriacontane (C32)	17.452	2471273	22.165 ug/ml
19) T n-Tetratriacontane (C34)	18.220	2300215	22.552 ug/ml
20) T n-Hexatriacontane (C36)	18.941	2184962	23.073 ug/ml
21) T n-Octatriacontane (C38)	19.626	2249160	24.378 ug/mlm
22) T n-Tetracontane (C40)	20.277	1991269	21.164 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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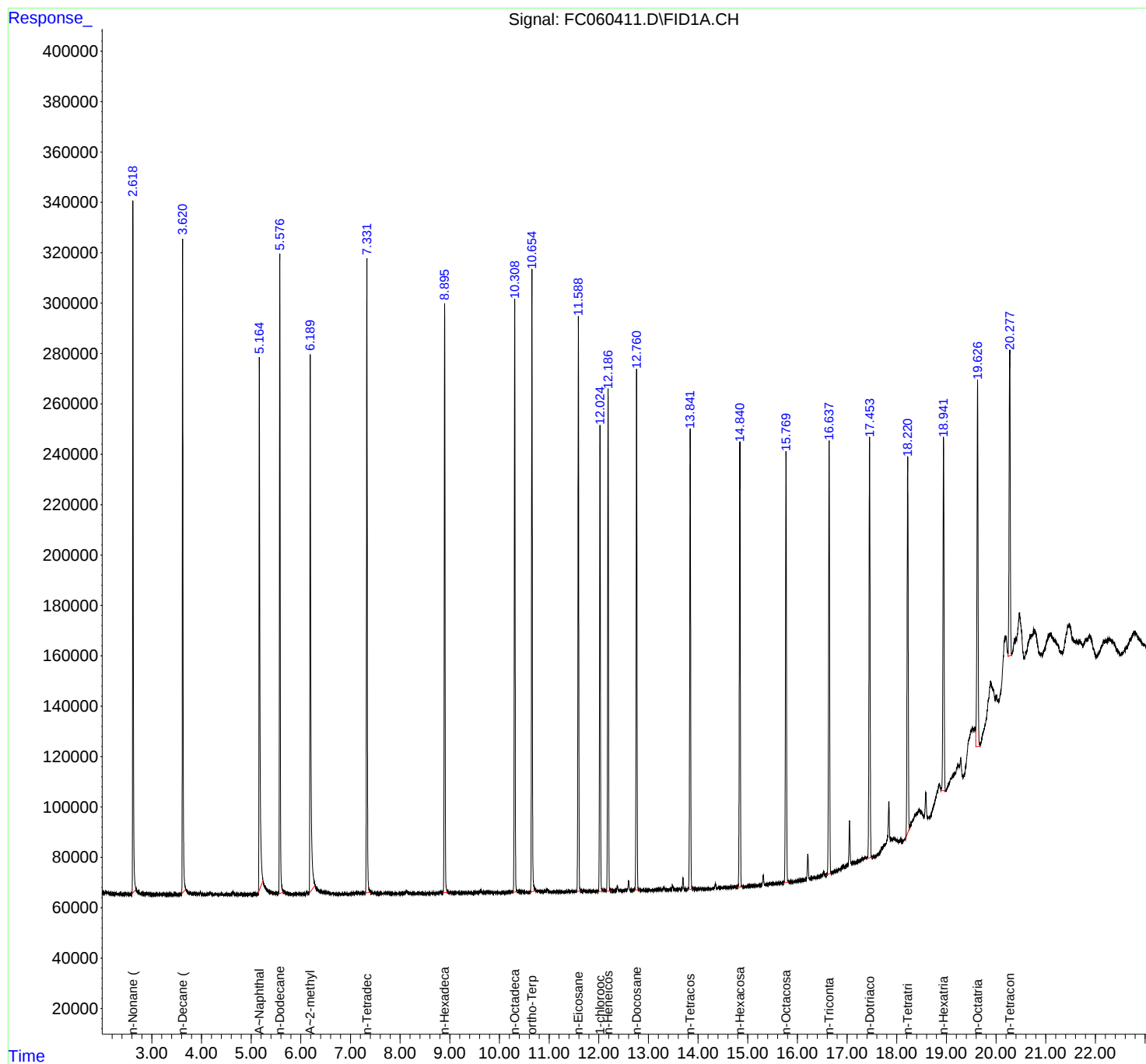
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20 PPM ALIPHATIC HC STD

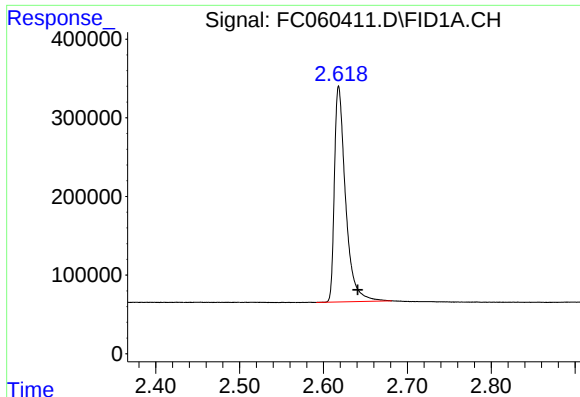
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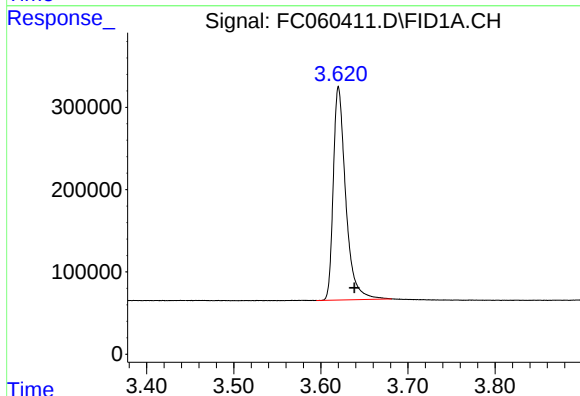
#1 n-Nonane (C9)

R.T.: 2.619 min
Delta R.T.: -0.022 min
Response: 2534900
Conc: 19.81 ug/ml

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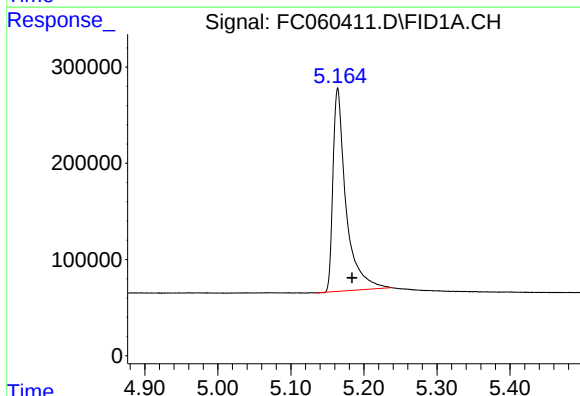
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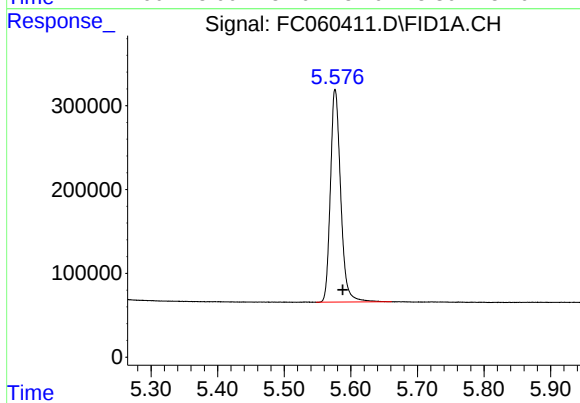
#2 n-Decane (C10)

R.T.: 3.621 min
Delta R.T.: -0.018 min
Response: 2564975
Conc: 20.05 ug/ml



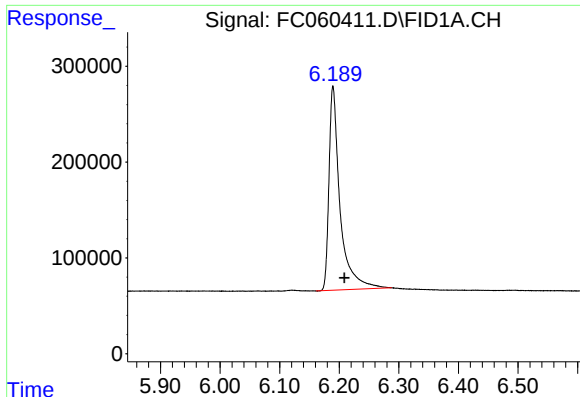
#3 A~Naphthalene (C11.7)

R.T.: 5.165 min
Delta R.T.: -0.019 min
Response: 2611075
Conc: 18.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.577 min
Delta R.T.: -0.011 min
Response: 2719766
Conc: 20.40 ug/ml



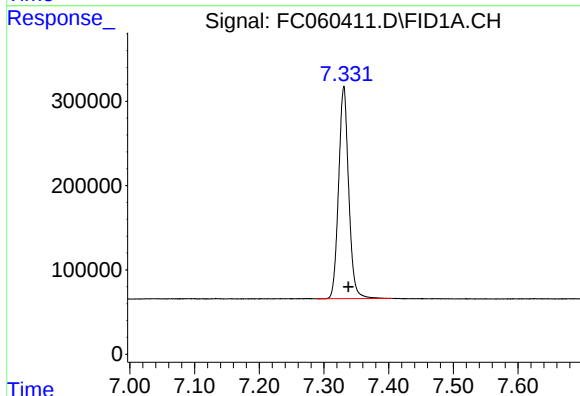
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.190 min
Delta R.T.: -0.018 min
Response: 2748659
Conc: 18.73 ug/ml

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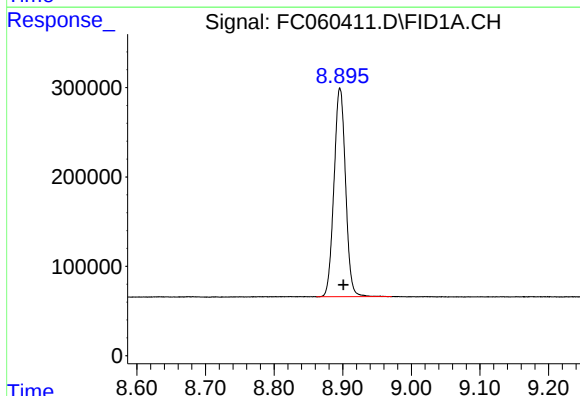
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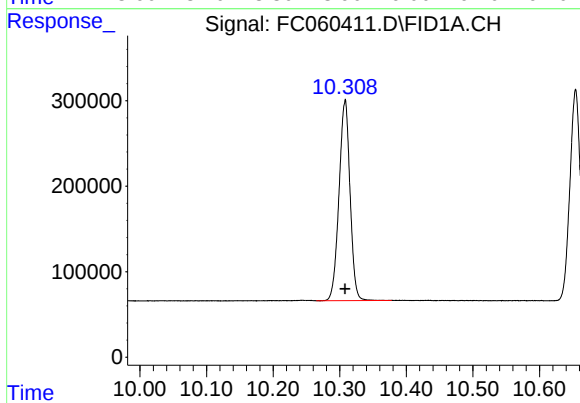
#6 n-Tetradecane (C14)

R.T.: 7.331 min
Delta R.T.: -0.007 min
Response: 2725010
Conc: 19.96 ug/ml



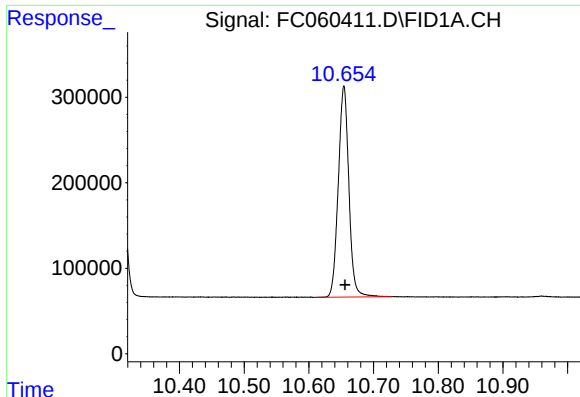
#7 n-Hexadecane (C16)

R.T.: 8.896 min
Delta R.T.: -0.005 min
Response: 2733016
Conc: 19.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.308 min
Delta R.T.: 0.000 min
Response: 2689946
Conc: 18.80 ug/ml



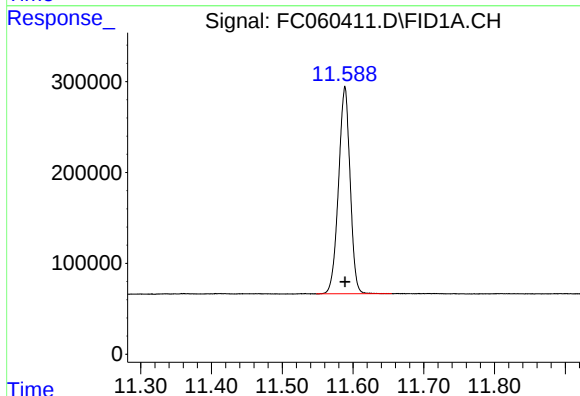
#9 ortho-Terphenyl (SURR)

R.T.: 10.654 min
Delta R.T.: -0.002 min
Response: 2802565
Conc: 18.01 ug/ml

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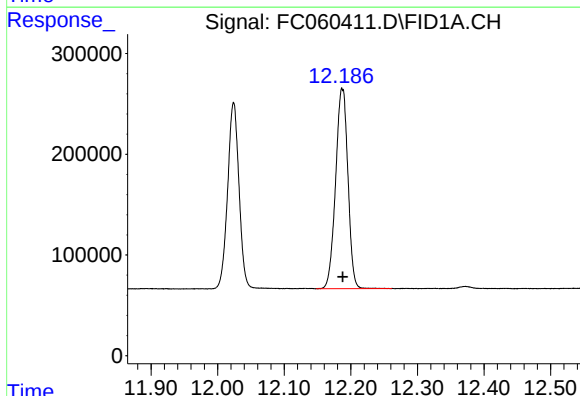
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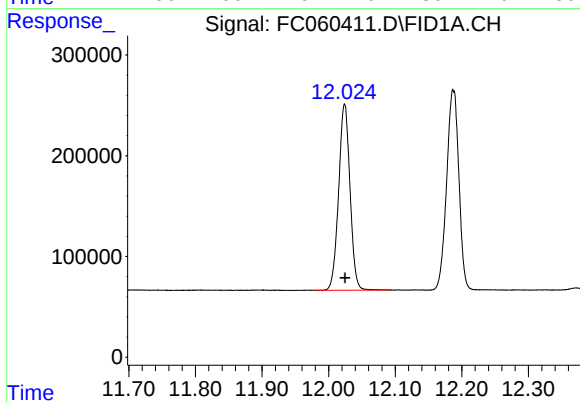
#10 n-Eicosane (C20)

R.T.: 11.588 min
Delta R.T.: 0.000 min
Response: 2587664
Conc: 18.14 ug/ml



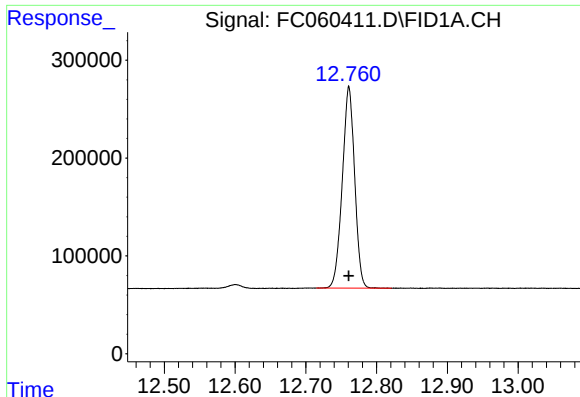
#11 n-Heneicosane (C21)

R.T.: 12.187 min
Delta R.T.: 0.000 min
Response: 2546260
Conc: 17.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.024 min
Delta R.T.: 0.000 min
Response: 2197296
Conc: 17.72 ug/ml



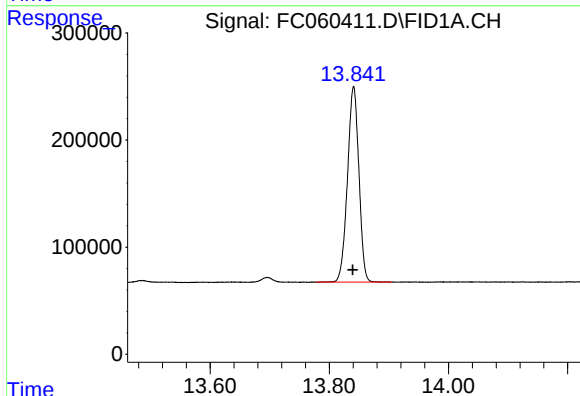
#13 n-Docosane (C22)

R.T.: 12.761 min
Delta R.T.: 0.000 min
Response: 2503232
Conc: 17.57 ug/ml

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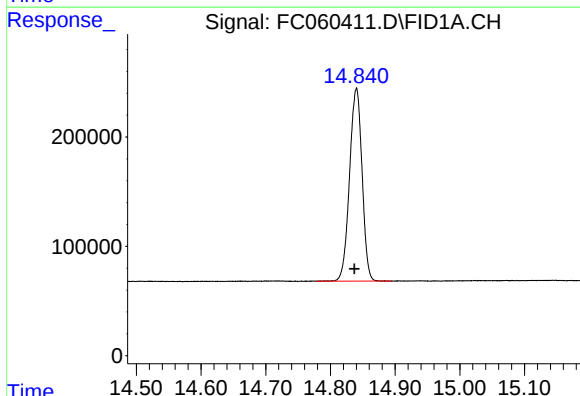
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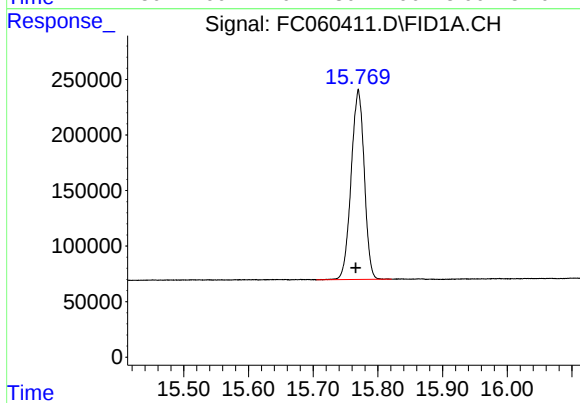
#14 n-Tetracosane (C24)

R.T.: 13.841 min
Delta R.T.: 0.002 min
Response: 2433108
Conc: 17.34 ug/ml



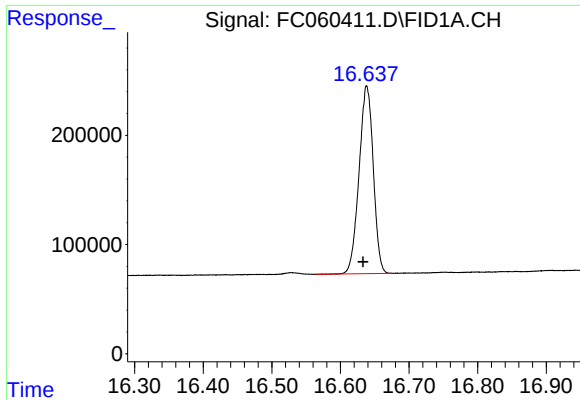
#15 n-Hexacosane (C26)

R.T.: 14.840 min
Delta R.T.: 0.003 min
Response: 2369474
Conc: 17.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.770 min
Delta R.T.: 0.004 min
Response: 2398274
Conc: 18.41 ug/ml



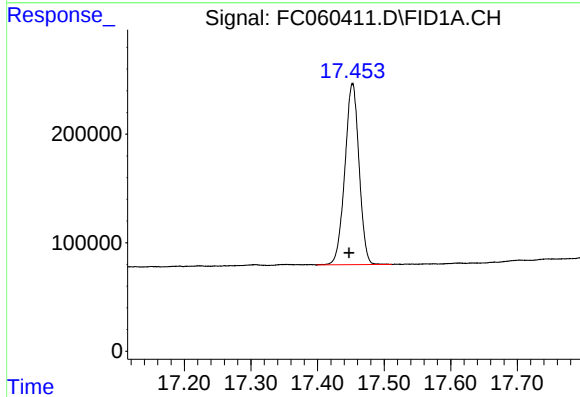
#17 n-Tricontane (C30)

R.T.: 16.638 min
Delta R.T.: 0.005 min
Response: 2472447
Conc: 20.20 ug/ml

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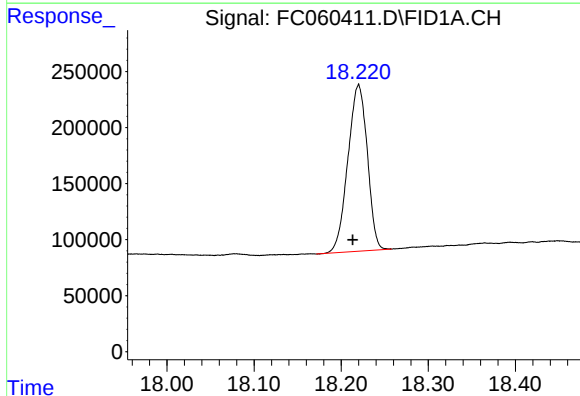
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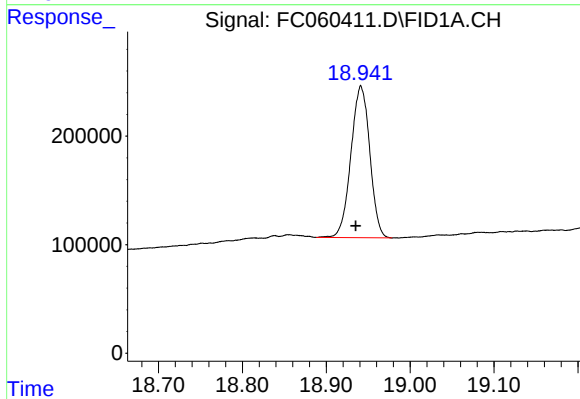
#18 n-Dotriacontane (C32)

R.T.: 17.452 min
Delta R.T.: 0.005 min
Response: 2471273
Conc: 22.16 ug/ml



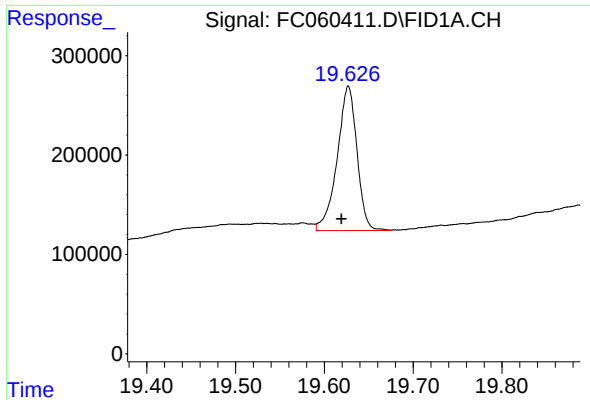
#19 n-Tetratriacontane (C34)

R.T.: 18.220 min
Delta R.T.: 0.007 min
Response: 2300215
Conc: 22.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.941 min
Delta R.T.: 0.006 min
Response: 2184962
Conc: 23.07 ug/ml



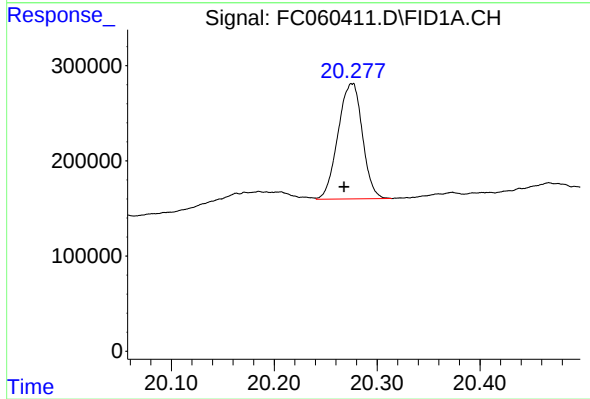
#21 n-Octatriacontane (C38)

R.T.: 19.626 min
Delta R.T.: 0.007 min
Response: 2249160
Conc: 24.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.277 min
Delta R.T.: 0.009 min
Response: 1991269
Conc: 21.16 ug/ml m