

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120621AL\
 Data File : FC057244.D
 Signal(s) : FID1A.CH
 Acq On : 07 Dec 2021 3:07
 Operator : AJ\MA
 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 :Ankita Jodhani 12/07/2021
 Supervised By :mohammad ahmed 12/07/2021

Integration File: autoint1.e
 Quant Time: Dec 07 03:33:40 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111921.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 19 00:52:49 2021
 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)	11.588	2591518	22.332 ug/ml
Spiked Amount 50.000		Recovery =	44.66%
12) S 1-chlorooctadecane (S...	13.020	2007650	22.053 ug/ml
Spiked Amount 50.000		Recovery =	44.11%
Target Compounds			
1) T n-Nonane (C9)	3.349	2386787	23.554 ug/ml
2) T n-Decane (C10)	4.416	2456229	24.528 ug/ml
3) T A~Naphthalene (C11.7)	6.006	2712396	24.291 ug/ml
4) T n-Dodecane (C12)	6.434	2488552	24.544 ug/ml
5) T A~2-methylnaphthalene...	7.063	2711507	24.592 ug/ml
6) T n-Tetradecane (C14)	8.228	2473990	24.418 ug/ml
7) T n-Hexadecane (C16)	9.827	2460057	23.973 ug/ml
8) T n-Octadecane (C18)	11.268	2513089	23.456 ug/ml
10) T n-Eicosane (C20)	12.574	2434807	22.765 ug/ml
11) T n-Heneicosane (C21)	13.185	2417026	22.319 ug/ml
13) T n-Docosane (C22)	13.770	2377066	22.188 ug/ml
14) T n-Tetracosane (C24)	14.871	2303657	21.280 ug/ml
15) T n-Hexacosane (C26)	15.890	2220078	20.842 ug/ml
16) T n-Octacosane (C28)	16.837	2173143	20.373 ug/ml
17) T n-Tricontane (C30)	17.721	2129456	19.979 ug/ml
18) T n-Dotriacontane (C32)	18.551	2080077	19.720 ug/ml
19) T n-Tetratriacontane (C34)	19.331	2093397	20.151 ug/ml
20) T n-Hexatriacontane (C36)	20.067	2071274	20.506 ug/mlm
21) T n-Octatriacontane (C38)	20.799	2024522	22.054 ug/ml
22) T n-Tetracontane (C40)	21.702	2058539	22.851 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

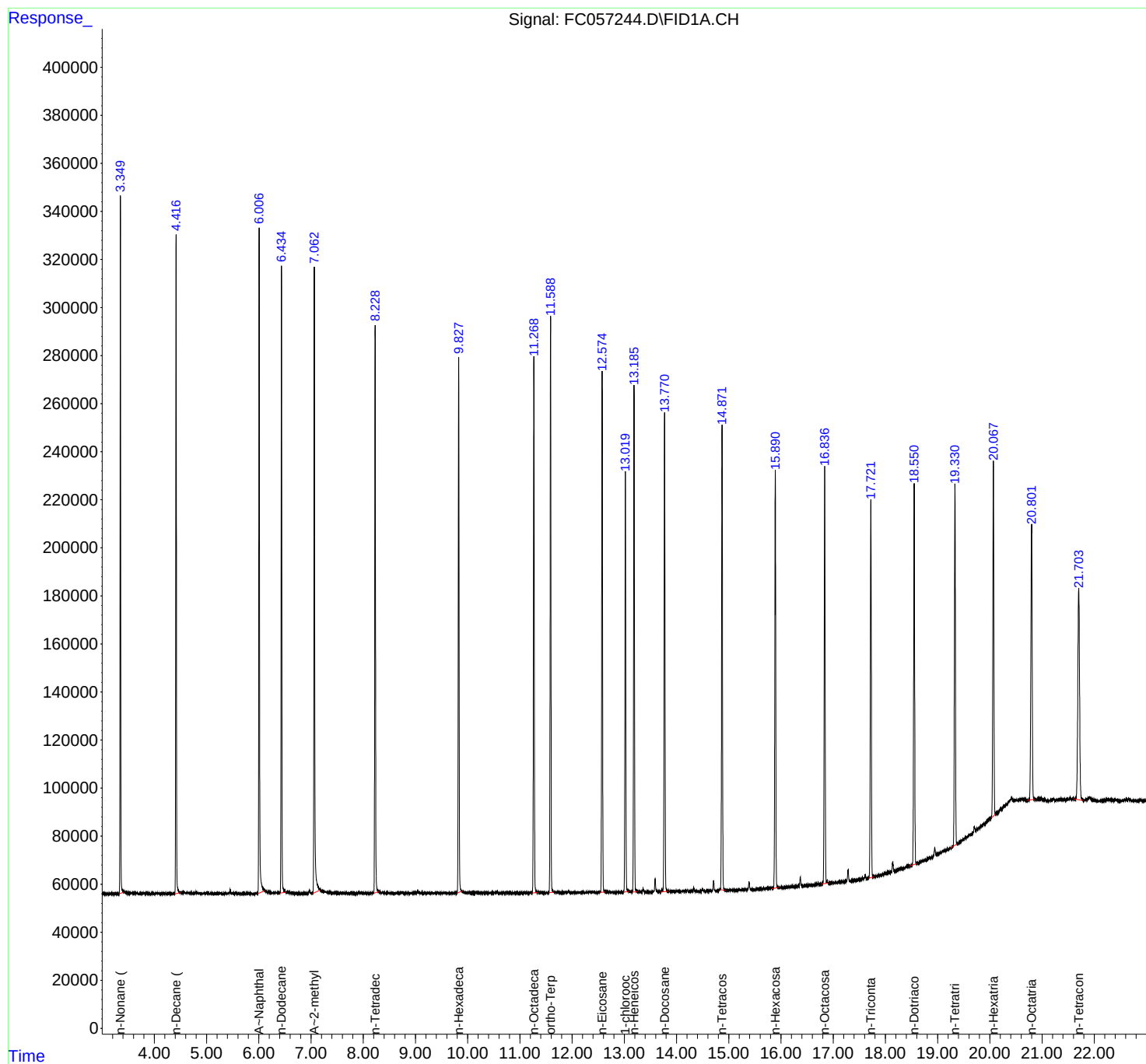
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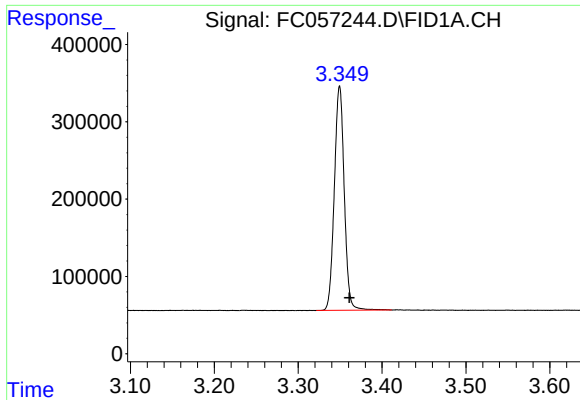
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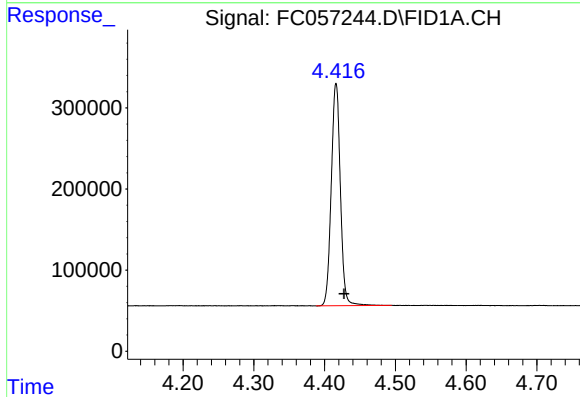
#1 n-Nonane (C9)

R.T.: 3.349 min
Delta R.T.: -0.012 min
Response: 2386787
Conc: 23.55 ug/ml

Instrument :
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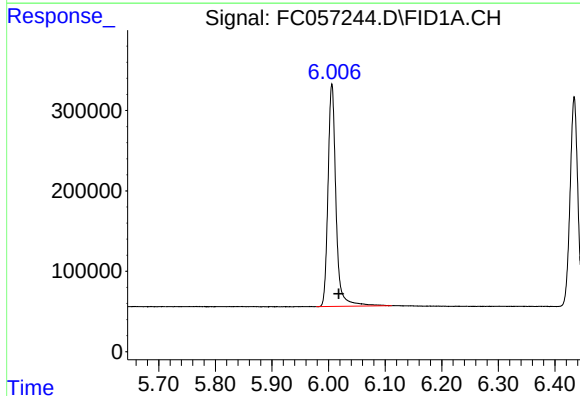
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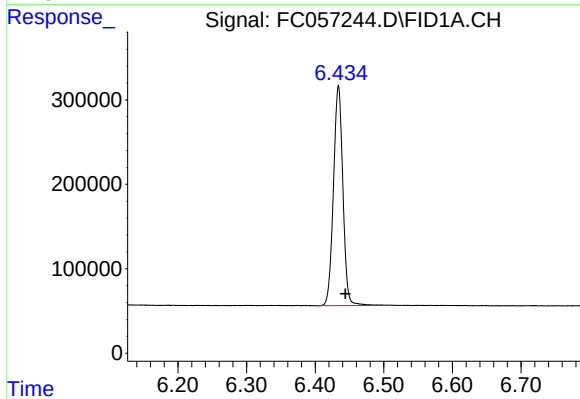
#2 n-Decane (C10)

R.T.: 4.416 min
Delta R.T.: -0.011 min
Response: 2456229
Conc: 24.53 ug/ml



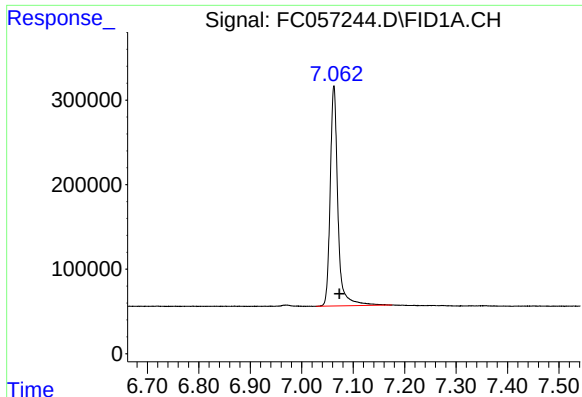
#3 A~Naphthalene (C11.7)

R.T.: 6.006 min
Delta R.T.: -0.012 min
Response: 2712396
Conc: 24.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.434 min
Delta R.T.: -0.010 min
Response: 2488552
Conc: 24.54 ug/ml



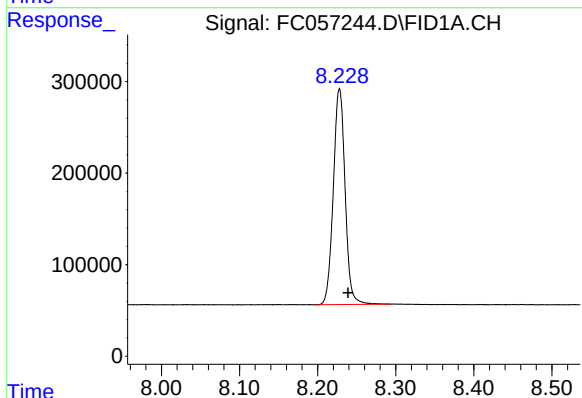
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.063 min
Delta R.T.: -0.011 min
Response: 2711507
Conc: 24.59 ug/ml

Instrument :
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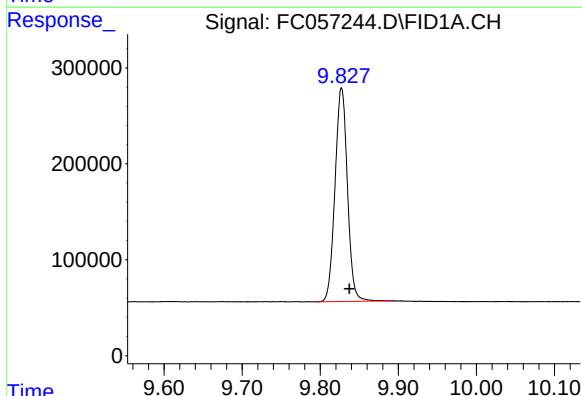
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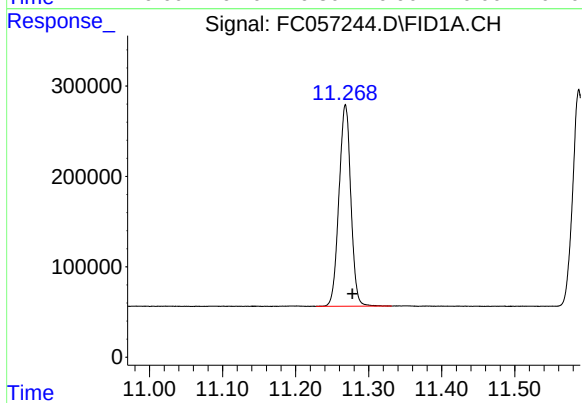
#6 n-Tetradecane (C14)

R.T.: 8.228 min
Delta R.T.: -0.011 min
Response: 2473990
Conc: 24.42 ug/ml



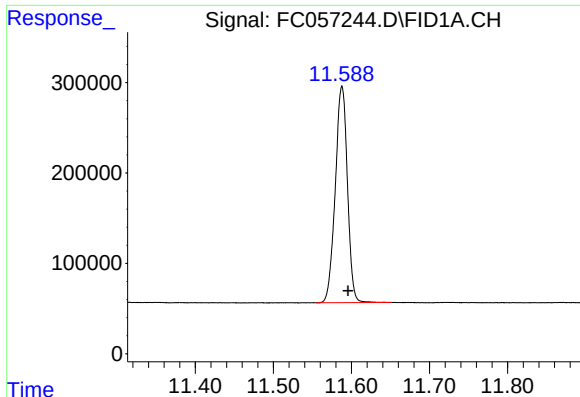
#7 n-Hexadecane (C16)

R.T.: 9.827 min
Delta R.T.: -0.010 min
Response: 2460057
Conc: 23.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.268 min
Delta R.T.: -0.010 min
Response: 2513089
Conc: 23.46 ug/ml



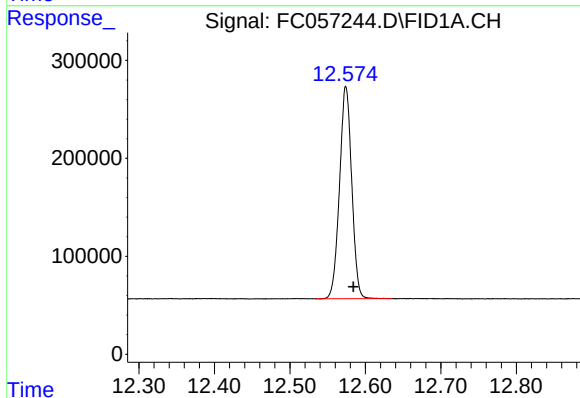
#9 ortho-Terphenyl (SURR)

R.T.: 11.588 min
Delta R.T.: -0.008 min
Response: 2591518
Conc: 22.33 ug/ml

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20 PPM ALIPHATIC HC STD

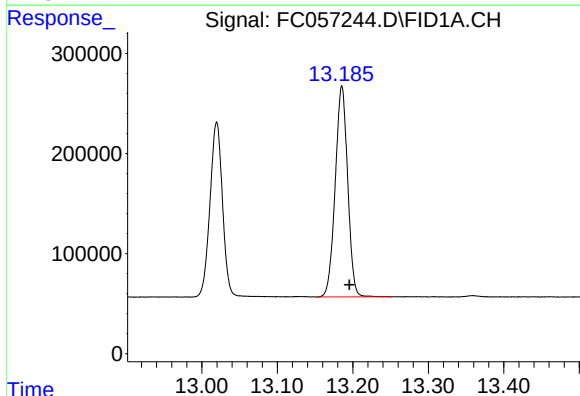
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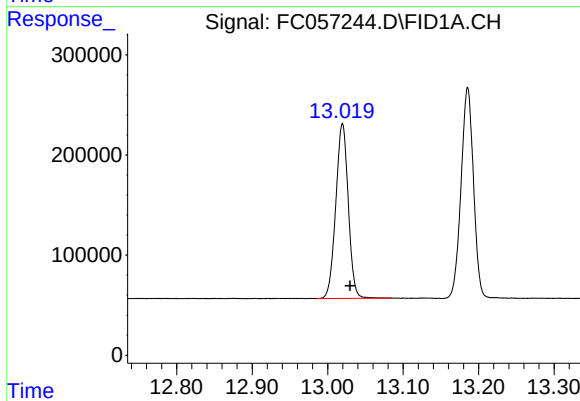
#10 n-Eicosane (C20)

R.T.: 12.574 min
Delta R.T.: -0.010 min
Response: 2434807
Conc: 22.76 ug/ml



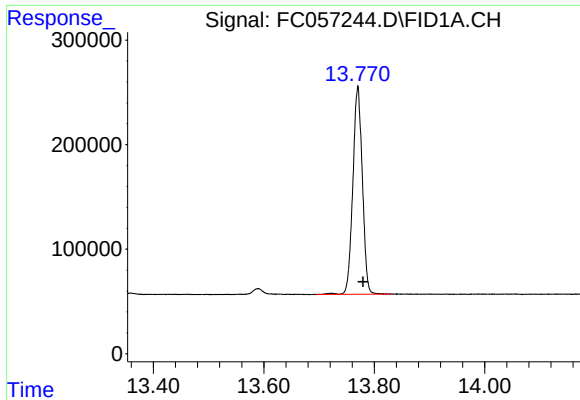
#11 n-Heneicosane (C21)

R.T.: 13.185 min
Delta R.T.: -0.010 min
Response: 2417026
Conc: 22.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.020 min
Delta R.T.: -0.010 min
Response: 2007650
Conc: 22.05 ug/ml



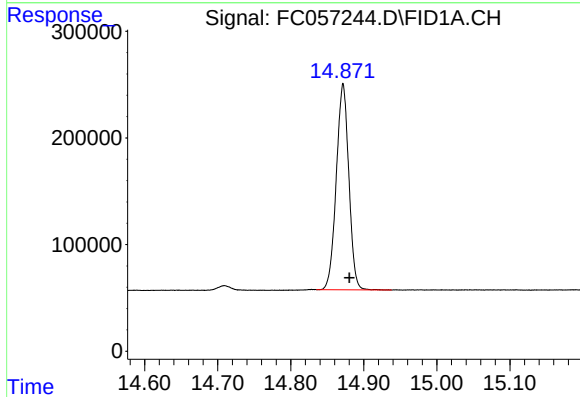
#13 n-Docosane (C22)

R.T.: 13.770 min
Delta R.T.: -0.010 min
Response: 2377066
Conc: 22.19 ug/ml

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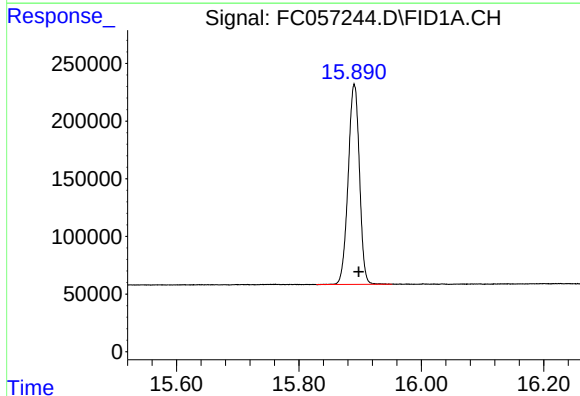
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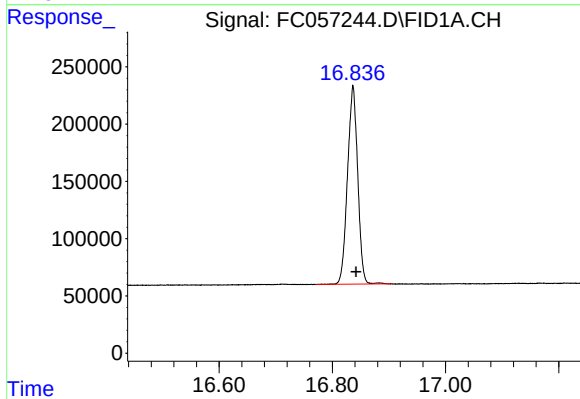
#14 n-Tetracosane (C24)

R.T.: 14.871 min
Delta R.T.: -0.009 min
Response: 2303657
Conc: 21.28 ug/ml



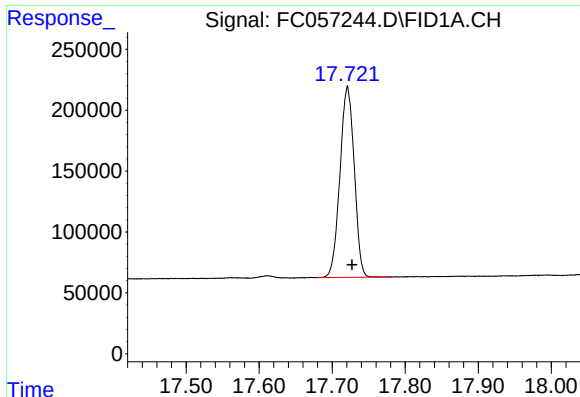
#15 n-Hexacosane (C26)

R.T.: 15.890 min
Delta R.T.: -0.008 min
Response: 2220078
Conc: 20.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.837 min
Delta R.T.: -0.006 min
Response: 2173143
Conc: 20.37 ug/ml



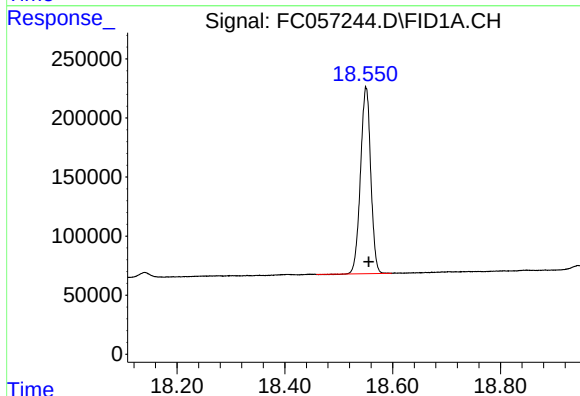
#17 n-Tricontane (C30)

R.T.: 17.721 min
Delta R.T.: -0.006 min
Response: 2129456
Conc: 19.98 ug/ml

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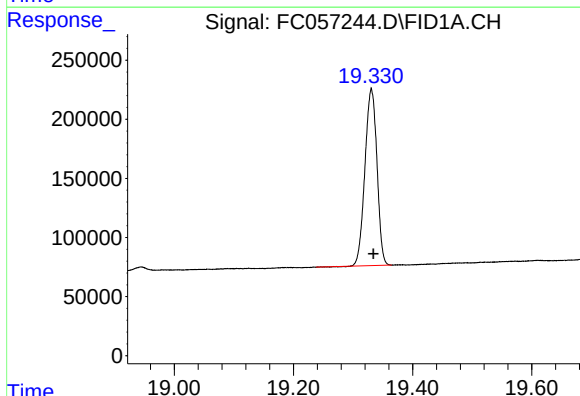
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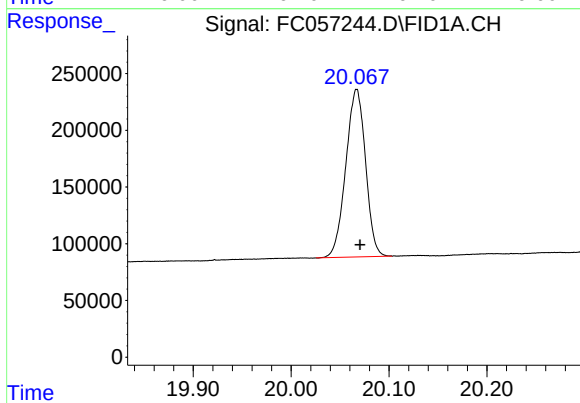
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: -0.005 min
Response: 2080077
Conc: 19.72 ug/ml



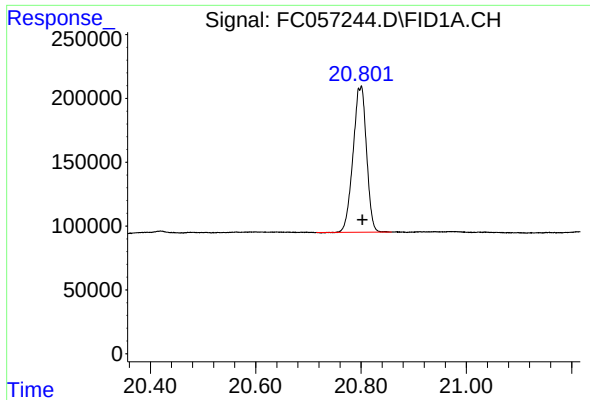
#19 n-Tetratriacontane (C34)

R.T.: 19.331 min
Delta R.T.: -0.003 min
Response: 2093397
Conc: 20.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.067 min
Delta R.T.: -0.003 min
Response: 2071274
Conc: 20.51 ug/ml m



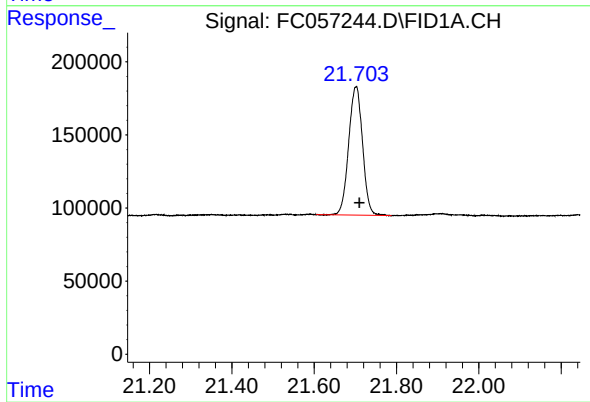
#21 n-Octatriacontane (C38)

R.T.: 20.799 min
Delta R.T.: -0.004 min
Response: 2024522
Conc: 22.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.702 min
Delta R.T.: -0.009 min
Response: 2058539
Conc: 22.85 ug/ml