

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011722AL\
 Data File : FC057941.D
 Signal(s) : FID1A.CH
 Acq On : 17 Jan 2022 11:05
 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 :Yogesh Patel 01/18/2022
 Supervised By :Ankita Jodhani 01/18/2022

Integration File: autoint1.e
 Quant Time: Jan 18 00:49:40 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 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)	10.711	3675816	19.010 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	12.149	2768047	18.781 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
Target Compounds			
1) T n-Nonane (C9)	2.634	3256010	20.361 ug/ml
2) T n-Decane (C10)	3.625	3298571	20.522 ug/ml
3) T A~Naphthalene (C11.7)	5.164	3744597	20.622 ug/ml
4) T n-Dodecane (C12)	5.598	3331646	20.658 ug/ml
5) T A~2-methylnaphthalene...	6.206	3759428	20.558 ug/ml
6) T n-Tetradecane (C14)	7.379	3402603	20.610 ug/ml
7) T n-Hexadecane (C16)	8.972	3401151	20.361 ug/ml
8) T n-Octadecane (C18)	10.407	3416070	19.851 ug/ml
10) T n-Eicosane (C20)	11.710	3286712	19.199 ug/ml
11) T n-Heneicosane (C21)	12.319	3262548	18.867 ug/ml
13) T n-Docosane (C22)	12.902	3162686	18.281 ug/ml
14) T n-Tetracosane (C24)	14.001	3049359	17.615 ug/ml
15) T n-Hexacosane (C26)	15.018	2882501	17.128 ug/ml
16) T n-Octacosane (C28)	15.965	2812708	17.188 ug/ml
17) T n-Tricontane (C30)	16.851	2706579	17.336 ug/ml
18) T n-Dotriacontane (C32)	17.682	2491785	17.872 ug/mlm
19) T n-Tetratriacontane (C34)	18.463	2235276	17.985 ug/ml
20) T n-Hexatriacontane (C36)	19.201	1905941	17.143 ug/ml
21) T n-Octatriacontane (C38)	19.907	1643374	15.754 ug/ml
22) T n-Tetracontane (C40)	20.738	1658429	17.320 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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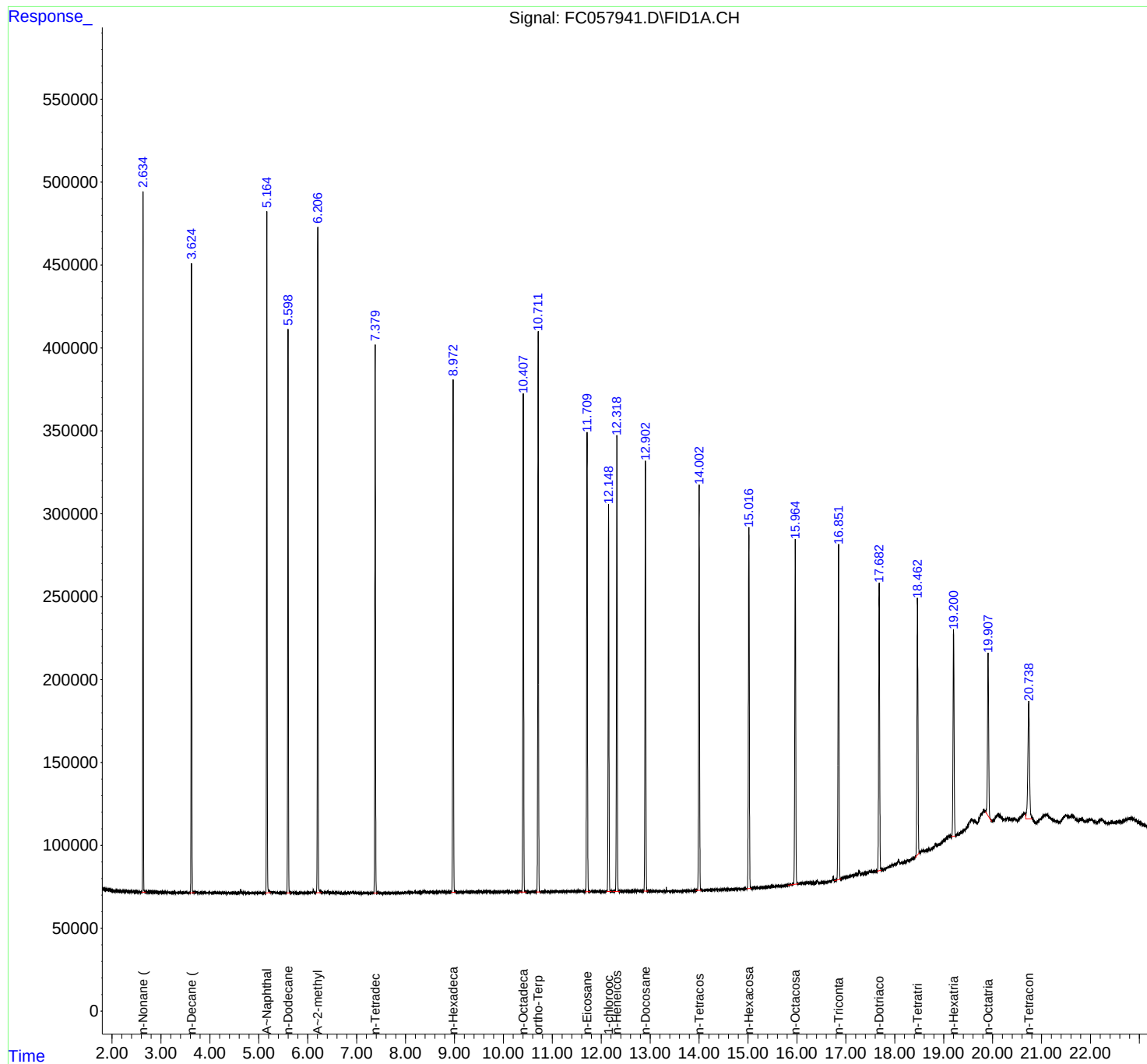
Instrument :
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20 PPM ALIPHATIC HC STD

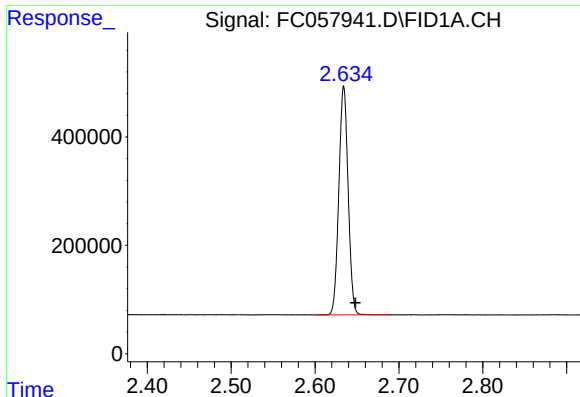
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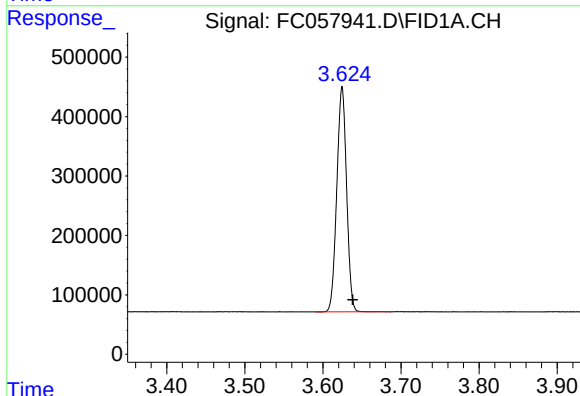
#1 n-Nonane (C9)

R.T.: 2.634 min
Delta R.T.: -0.014 min
Response: 3256010
Conc: 20.36 ug/ml

Instrument :
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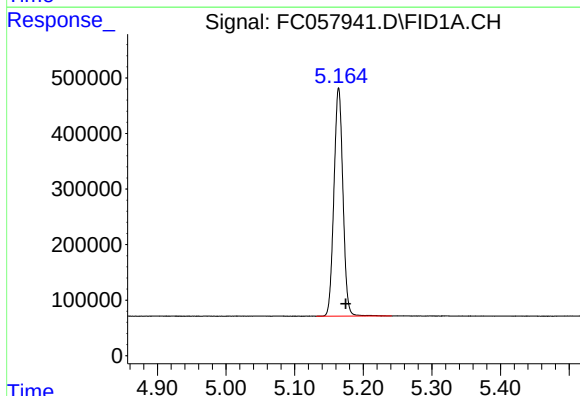
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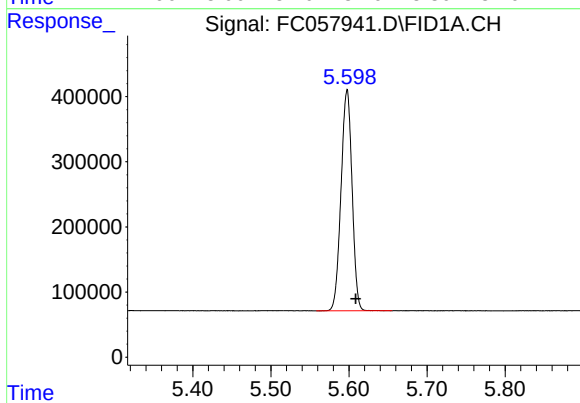
#2 n-Decane (C10)

R.T.: 3.625 min
Delta R.T.: -0.014 min
Response: 3298571
Conc: 20.52 ug/ml



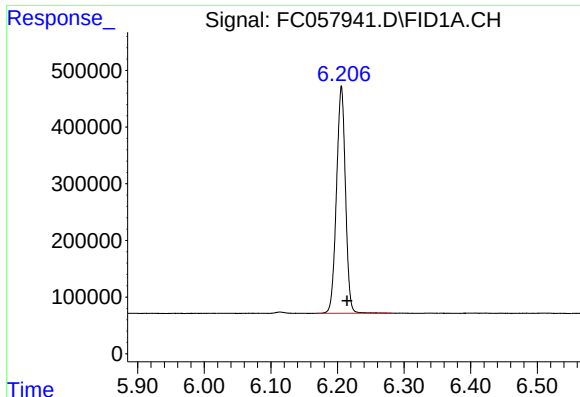
#3 A~Naphthalene (C11.7)

R.T.: 5.164 min
Delta R.T.: -0.010 min
Response: 3744597
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.598 min
Delta R.T.: -0.011 min
Response: 3331646
Conc: 20.66 ug/ml



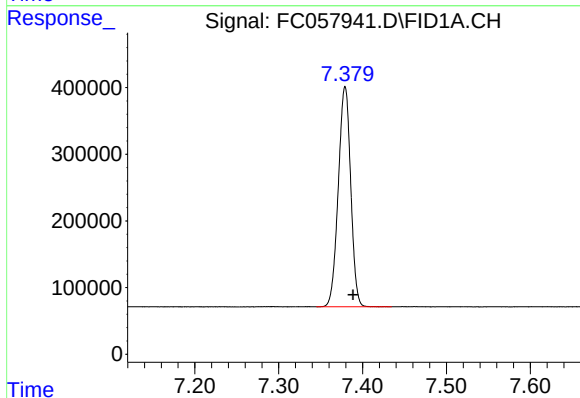
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.206 min
Delta R.T.: -0.009 min
Response: 3759428
Conc: 20.56 ug/ml

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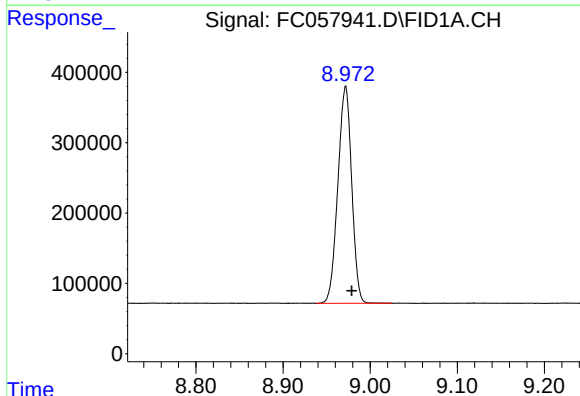
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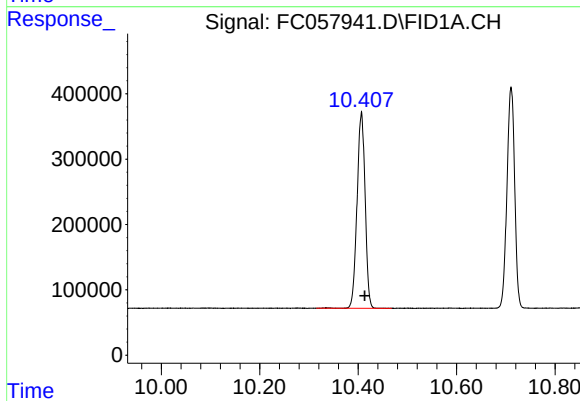
#6 n-Tetradecane (C14)

R.T.: 7.379 min
Delta R.T.: -0.010 min
Response: 3402603
Conc: 20.61 ug/ml



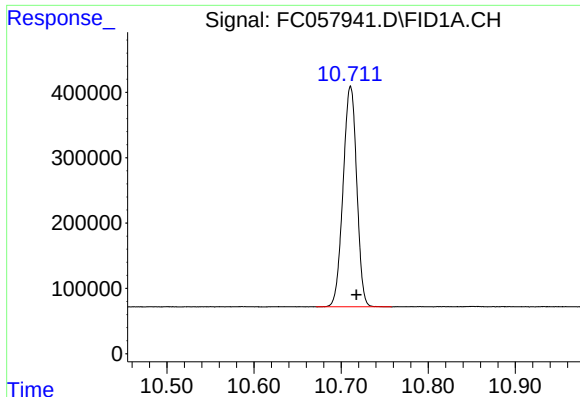
#7 n-Hexadecane (C16)

R.T.: 8.972 min
Delta R.T.: -0.007 min
Response: 3401151
Conc: 20.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.407 min
Delta R.T.: -0.007 min
Response: 3416070
Conc: 19.85 ug/ml



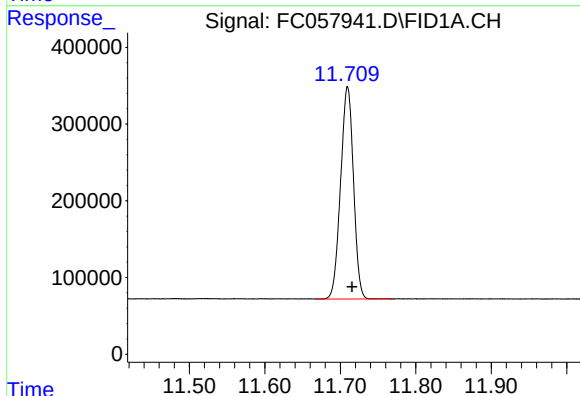
#9 ortho-Terphenyl (SURR)

R.T.: 10.711 min
Delta R.T.: -0.007 min
Response: 3675816
Conc: 19.01 ug/ml

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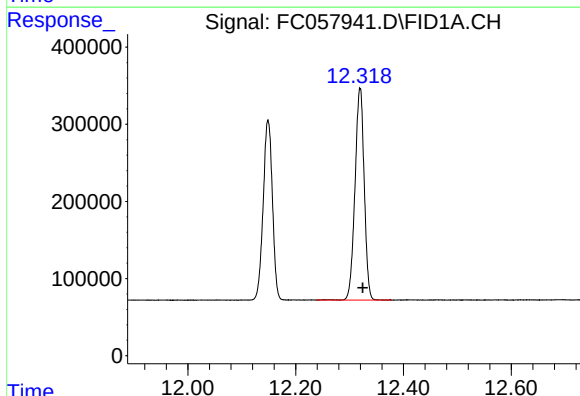
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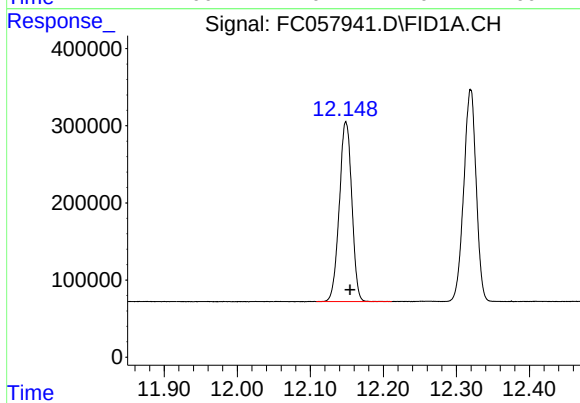
#10 n-Eicosane (C20)

R.T.: 11.710 min
Delta R.T.: -0.006 min
Response: 3286712
Conc: 19.20 ug/ml



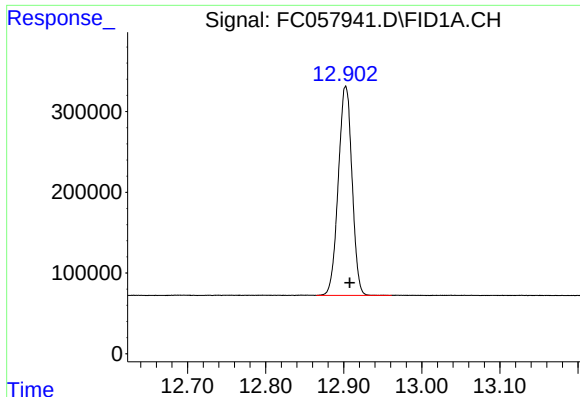
#11 n-Heneicosane (C21)

R.T.: 12.319 min
Delta R.T.: -0.005 min
Response: 3262548
Conc: 18.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.149 min
Delta R.T.: -0.006 min
Response: 2768047
Conc: 18.78 ug/ml



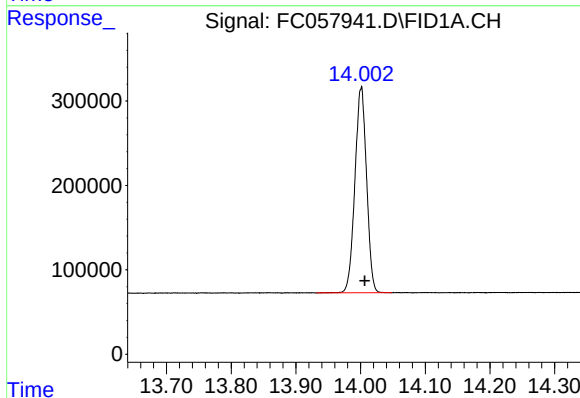
#13 n-Docosane (C22)

R.T.: 12.902 min
Delta R.T.: -0.005 min
Response: 3162686
Conc: 18.28 ug/ml

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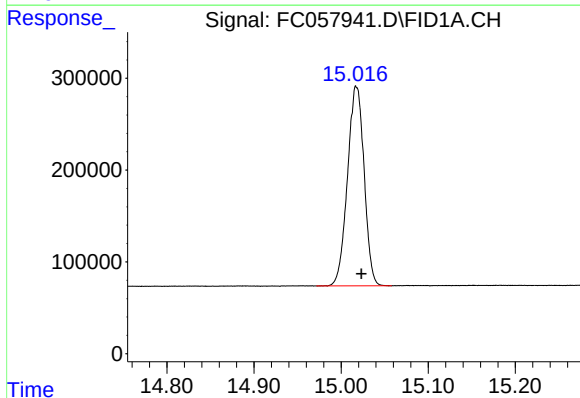
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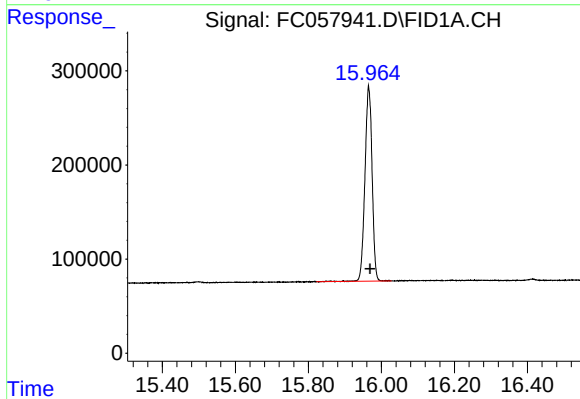
#14 n-Tetracosane (C24)

R.T.: 14.001 min
Delta R.T.: -0.006 min
Response: 3049359
Conc: 17.62 ug/ml



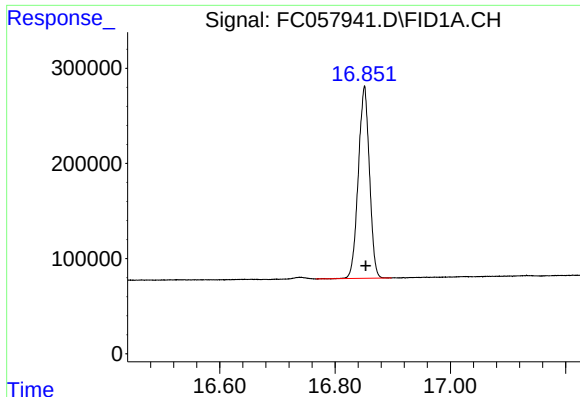
#15 n-Hexacosane (C26)

R.T.: 15.018 min
Delta R.T.: -0.006 min
Response: 2882501
Conc: 17.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.965 min
Delta R.T.: -0.004 min
Response: 2812708
Conc: 17.19 ug/ml



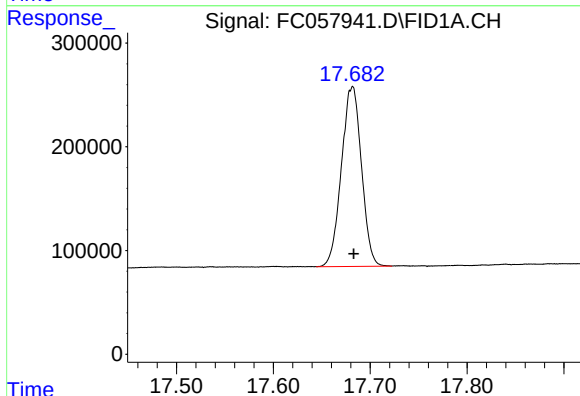
#17 n-Tricontane (C30)

R.T.: 16.851 min
Delta R.T.: -0.003 min
Response: 2706579
Conc: 17.34 ug/ml

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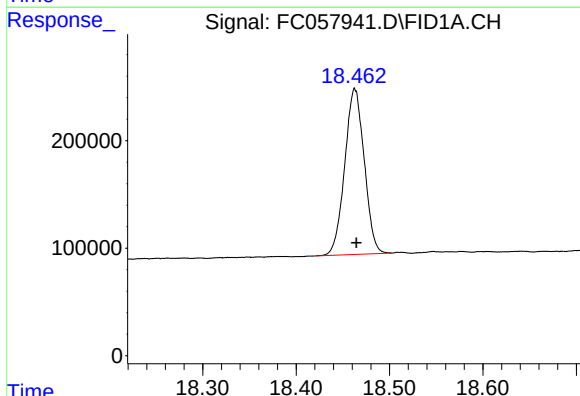
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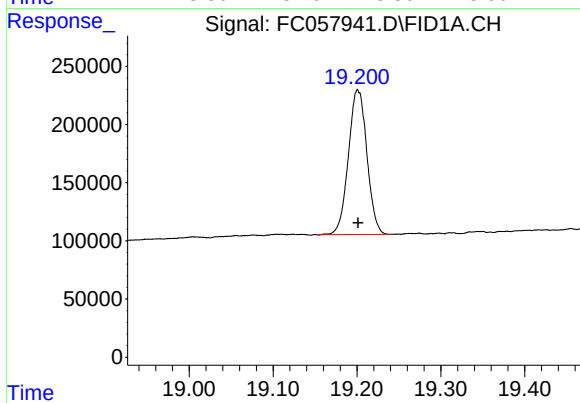
#18 n-Dotriacontane (C32)

R.T.: 17.682 min
Delta R.T.: -0.001 min
Response: 2491785
Conc: 17.87 ug/ml m



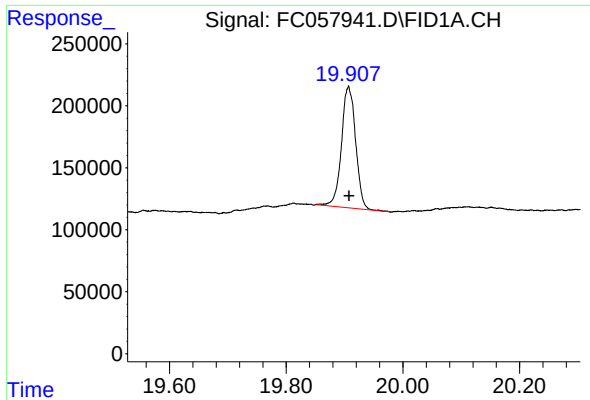
#19 n-Tetratriacontane (C34)

R.T.: 18.463 min
Delta R.T.: -0.002 min
Response: 2235276
Conc: 17.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.201 min
Delta R.T.: 0.000 min
Response: 1905941
Conc: 17.14 ug/ml



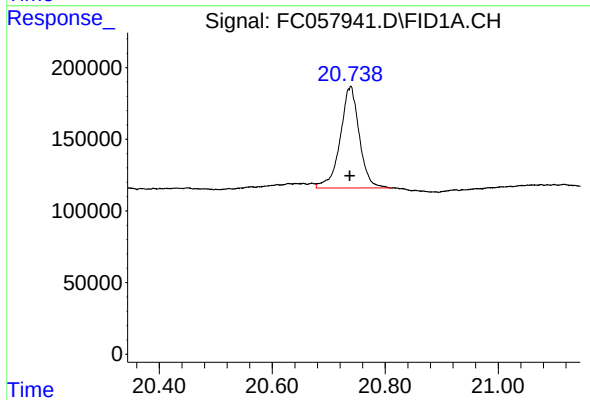
#21 n-Octatriacontane (C38)

R.T.: 19.907 min
Delta R.T.: 0.000 min
Response: 1643374
Conc: 15.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.738 min
Delta R.T.: 0.001 min
Response: 1658429
Conc: 17.32 ug/ml m