

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050922AL\
 Data File : FC059657.D
 Signal(s) : FID1A.CH
 Acq On : 10 May 2022 10:45
 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 05/11/2022
 Supervised By :mohammad ahmed 05/11/2022

Integration File: sample.E
 Quant Time: May 11 01:05:31 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050522.M
 Quant Title : GC Extractables
 QLast Update : Mon May 09 11:12:42 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)	10.669	3248772	22.124 ug/ml
Spiked Amount 50.000		Recovery =	44.25%
12) S 1-chlorooctadecane (S...	12.037	2550089	22.159 ug/ml
Spiked Amount 50.000		Recovery =	44.32%
Target Compounds			
1) T n-Nonane (C9)	2.643	2822181	22.100 ug/ml
2) T n-Decane (C10)	3.643	2858149	22.568 ug/ml
3) T A~Naphthalene (C11.7)	5.182	3281624	22.287 ug/ml
4) T n-Dodecane (C12)	5.598	2966076	22.554 ug/ml
5) T A~2-methylnaphthalene...	6.206	3365430	22.389 ug/ml
6) T n-Tetradecane (C14)	7.349	3016727	22.419 ug/ml
7) T n-Hexadecane (C16)	8.913	3077740	22.430 ug/ml
8) T n-Octadecane (C18)	10.322	3091451	22.433 ug/ml
10) T n-Eicosane (C20)	11.602	2998709	22.296 ug/ml
11) T n-Heneicosane (C21)	12.199	2962321	22.206 ug/ml
13) T n-Docosane (C22)	12.772	2931399	22.336 ug/ml
14) T n-Tetracosane (C24)	13.850	2806646	22.307 ug/ml
15) T n-Hexacosane (C26)	14.848	2675783	22.405 ug/ml
16) T n-Octacosane (C28)	15.776	2608334	22.911 ug/ml
17) T n-Tricontane (C30)	16.643	2525465	22.975 ug/ml
18) T n-Dotriacontane (C32)	17.456	2379191	23.013 ug/ml
19) T n-Tetratriacontane (C34)	18.219	2242670	22.971 ug/mlm
20) T n-Hexatriacontane (C36)	18.942	2135464	23.003 ug/mlm
21) T n-Octatriacontane (C38)	19.626	2080211	21.852 ug/mlm
22) T n-Tetracontane (C40)	20.272	2107528	22.263 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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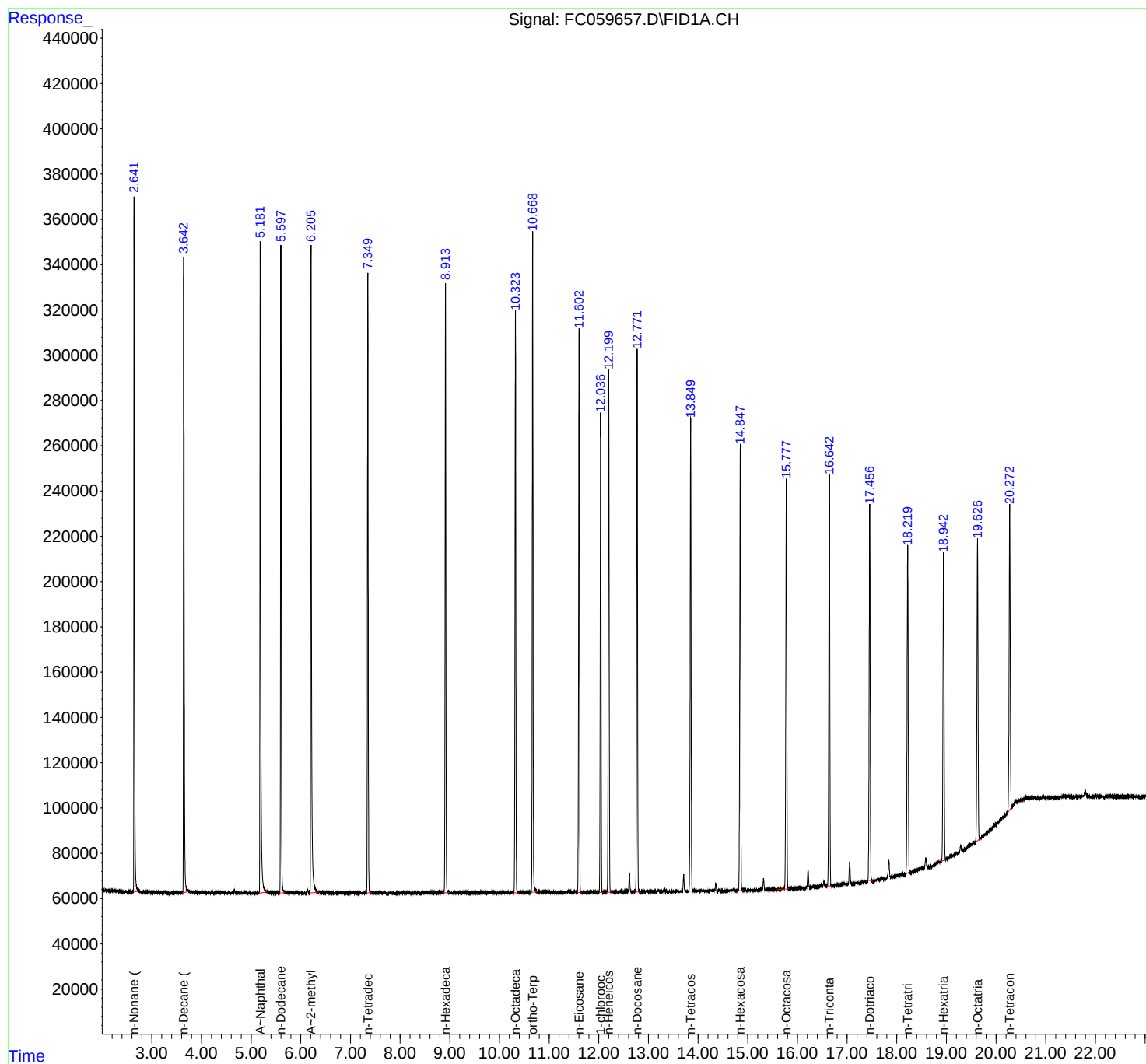
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20 PPM ALIPHATIC HC STD

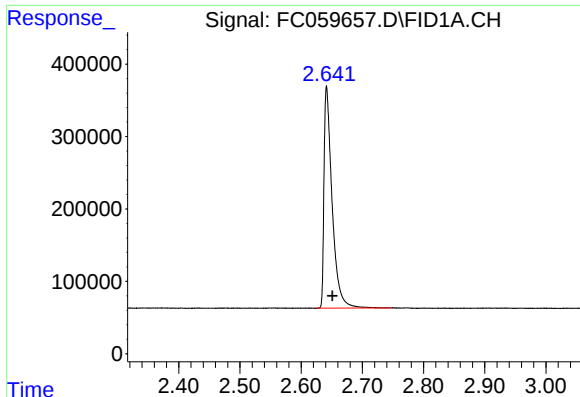
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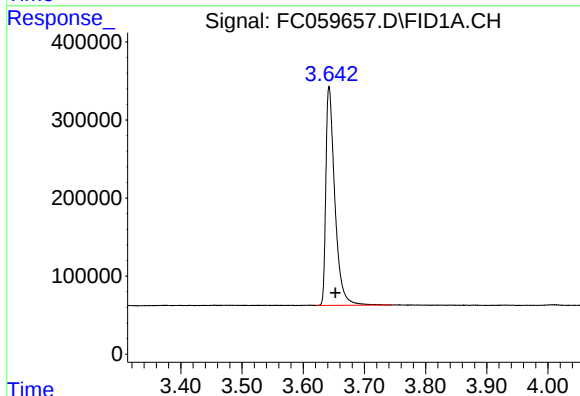
#1 n-Nonane (C9)

R.T.: 2.643 min
Delta R.T.: -0.008 min
Response: 2822181
Conc: 22.10 ug/ml

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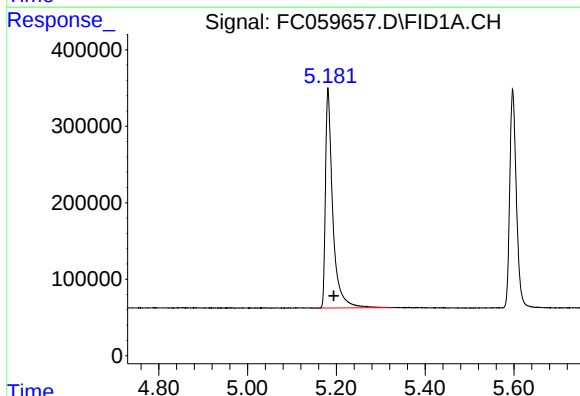
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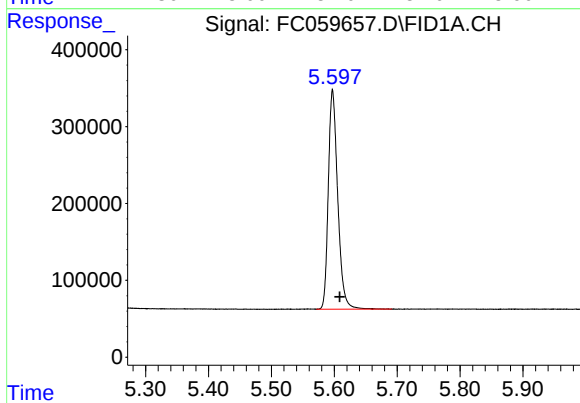
#2 n-Decane (C10)

R.T.: 3.643 min
Delta R.T.: -0.010 min
Response: 2858149
Conc: 22.57 ug/ml



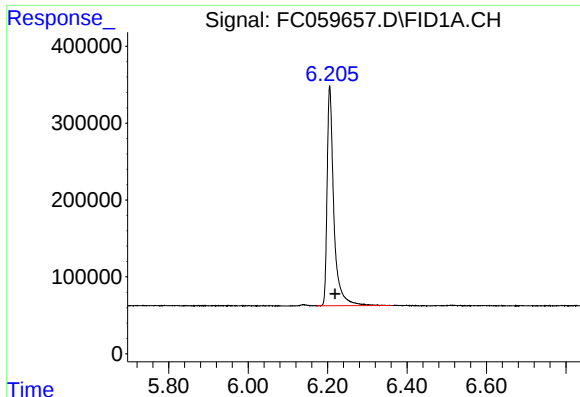
#3 A~Naphthalene (C11.7)

R.T.: 5.182 min
Delta R.T.: -0.013 min
Response: 3281624
Conc: 22.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.598 min
Delta R.T.: -0.011 min
Response: 2966076
Conc: 22.55 ug/ml



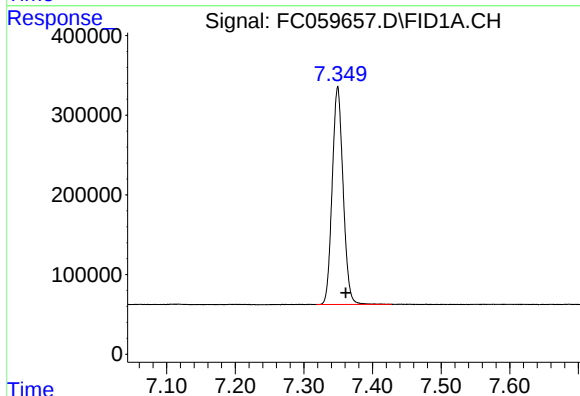
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.206 min
Delta R.T.: -0.013 min
Response: 3365430
Conc: 22.39 ug/ml

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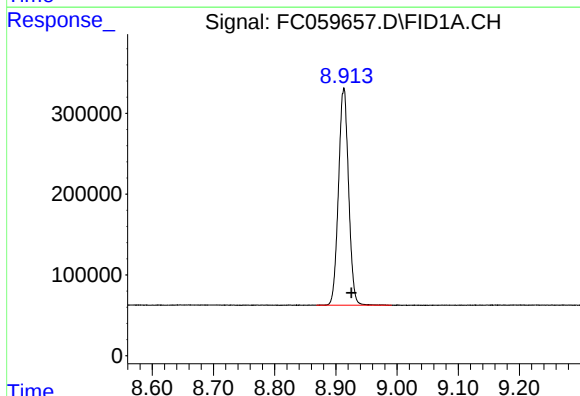
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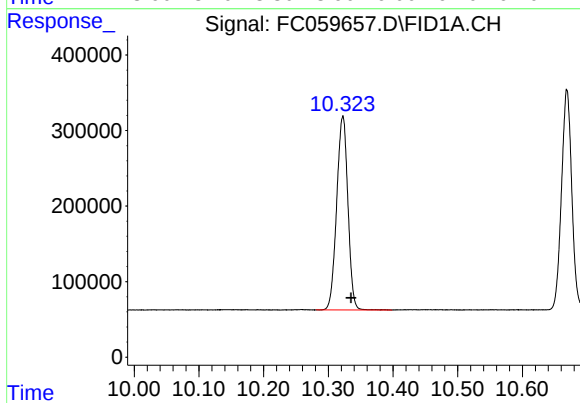
#6 n-Tetradecane (C14)

R.T.: 7.349 min
Delta R.T.: -0.012 min
Response: 3016727
Conc: 22.42 ug/ml



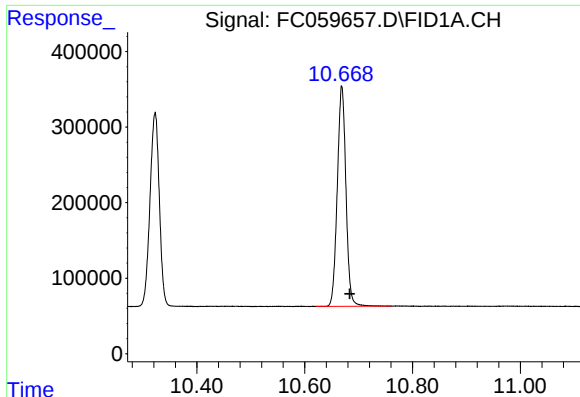
#7 n-Hexadecane (C16)

R.T.: 8.913 min
Delta R.T.: -0.013 min
Response: 3077740
Conc: 22.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.322 min
Delta R.T.: -0.013 min
Response: 3091451
Conc: 22.43 ug/ml



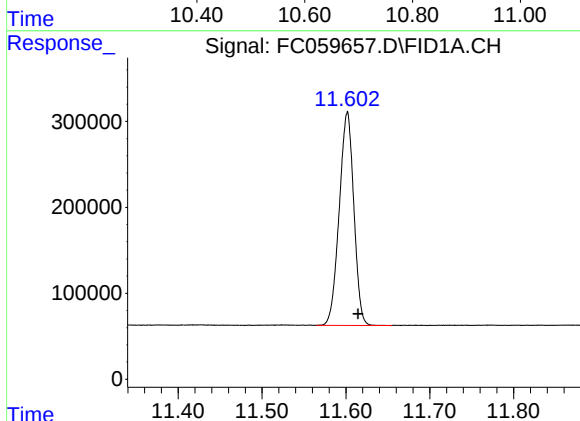
#9 ortho-Terphenyl (SURR)

R.T.: 10.669 min
Delta R.T.: -0.015 min
Response: 3248772
Conc: 22.12 ug/ml

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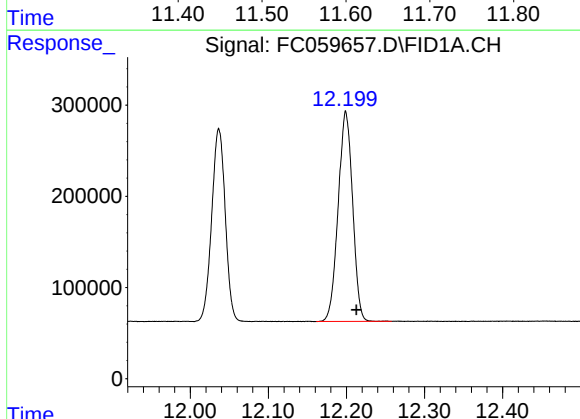
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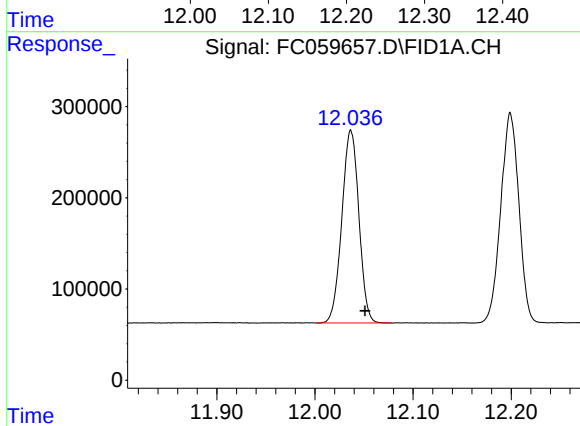
#10 n-Eicosane (C20)

R.T.: 11.602 min
Delta R.T.: -0.013 min
Response: 2998709
Conc: 22.30 ug/ml



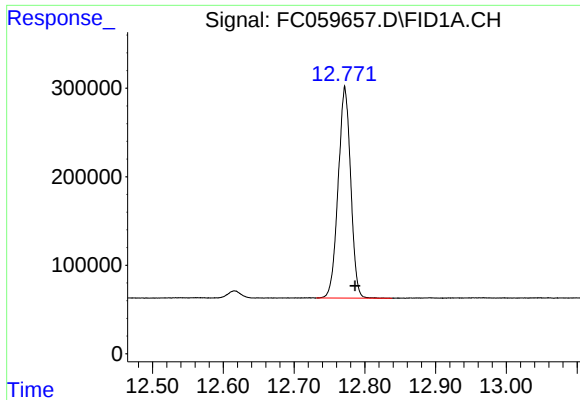
#11 n-Heneicosane (C21)

R.T.: 12.199 min
Delta R.T.: -0.014 min
Response: 2962321
Conc: 22.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.037 min
Delta R.T.: -0.014 min
Response: 2550089
Conc: 22.16 ug/ml



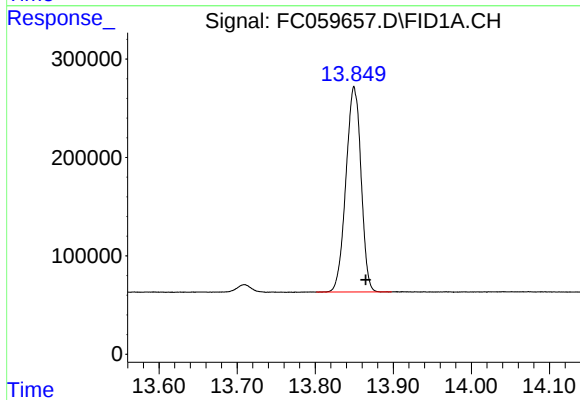
#13 n-Docosane (C22)

R.T.: 12.772 min
Delta R.T.: -0.015 min
Response: 2931399
Conc: 22.34 ug/ml

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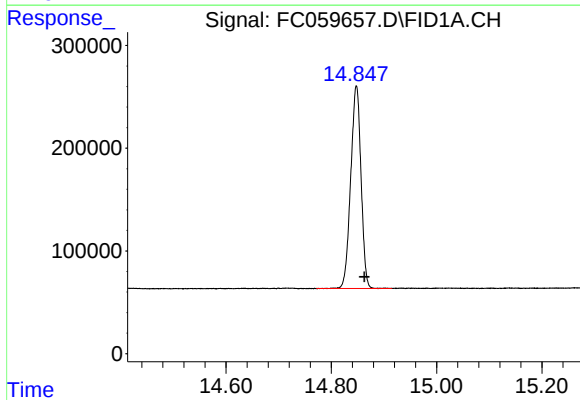
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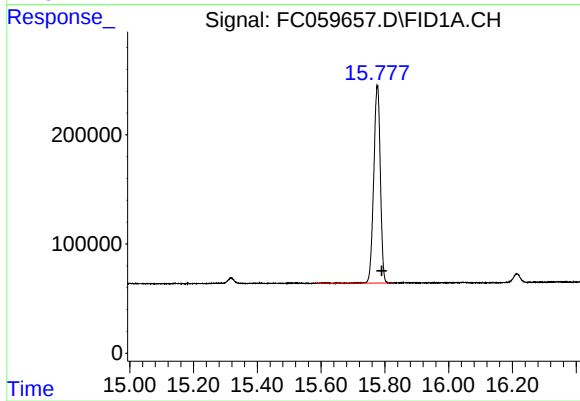
#14 n-Tetracosane (C24)

R.T.: 13.850 min
Delta R.T.: -0.015 min
Response: 2806646
Conc: 22.31 ug/ml



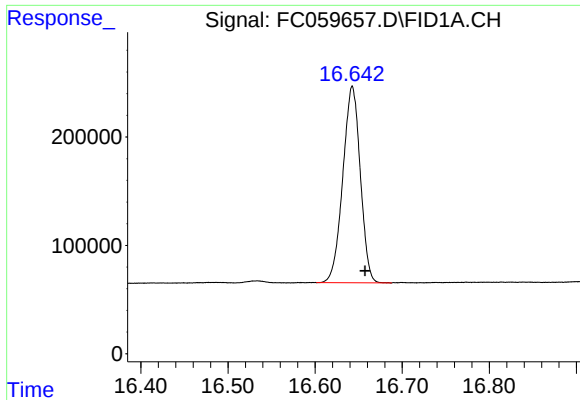
#15 n-Hexacosane (C26)

R.T.: 14.848 min
Delta R.T.: -0.015 min
Response: 2675783
Conc: 22.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.776 min
Delta R.T.: -0.014 min
Response: 2608334
Conc: 22.91 ug/ml



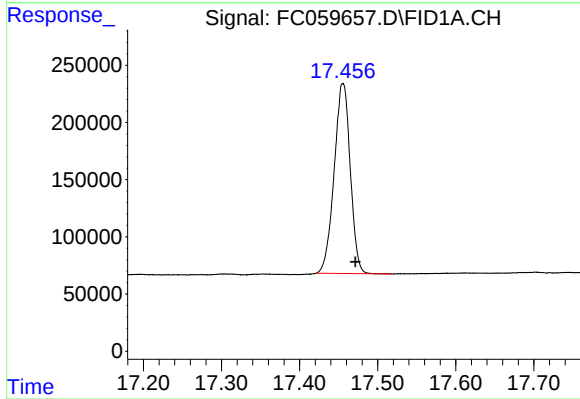
#17 n-Tricontane (C30)

R.T.: 16.643 min
Delta R.T.: -0.015 min
Response: 2525465
Conc: 22.97 ug/ml

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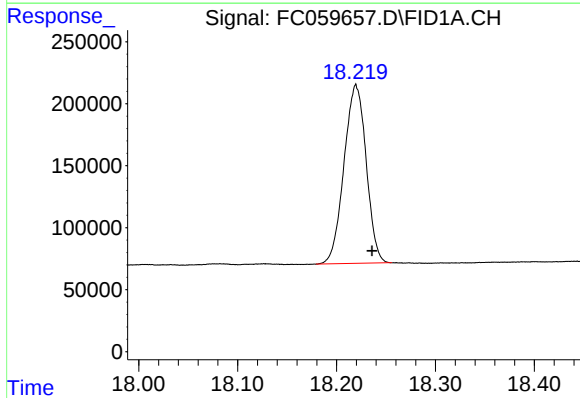
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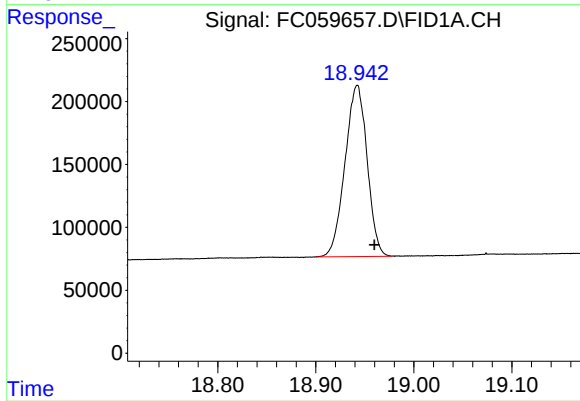
#18 n-Dotriacontane (C32)

R.T.: 17.456 min
Delta R.T.: -0.016 min
Response: 2379191
Conc: 23.01 ug/ml



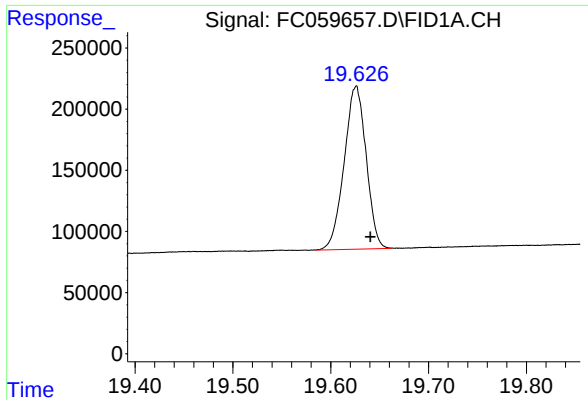
#19 n-Tetratriacontane (C34)

R.T.: 18.219 min
Delta R.T.: -0.016 min
Response: 2242670
Conc: 22.97 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.942 min
Delta R.T.: -0.018 min
Response: 2135464
Conc: 23.00 ug/ml m



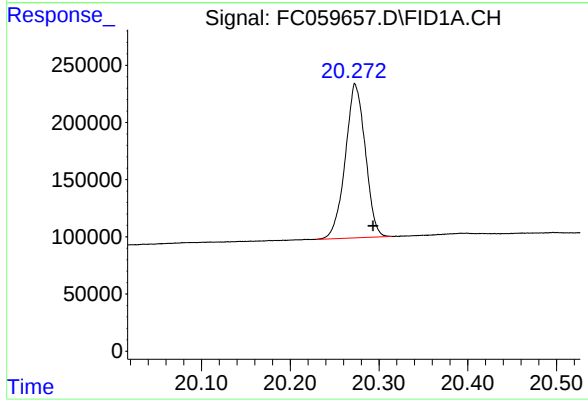
#21 n-Octatriacontane (C38)

R.T.: 19.626 min
Delta R.T.: -0.014 min
Response: 2080211
Conc: 21.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.272 min
Delta R.T.: -0.021 min
Response: 2107528
Conc: 22.26 ug/ml m