

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011022AL\
 Data File : FC057809.D
 Signal(s) : FID1A.CH
 Acq On : 11 Jan 2022 3:01
 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 01/11/2022
 Supervised By :mohammad ahmed 01/12/2022

Integration File: autoint1.e
 Quant Time: Jan 11 03:25:14 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)	10.703	3936326	20.357 ug/ml
Spiked Amount 50.000		Recovery =	40.71%
12) S 1-chlorooctadecane (S...	12.143	2993283	20.309 ug/ml
Spiked Amount 50.000		Recovery =	40.62%
Target Compounds			
1) T n-Nonane (C9)	2.634	3286365	20.551 ug/ml
2) T n-Decane (C10)	3.624	3370799	20.972 ug/ml
3) T A~Naphthalene (C11.7)	5.160	3816069	21.016 ug/ml
4) T n-Dodecane (C12)	5.595	3382804	20.975 ug/ml
5) T A~2-methylnaphthalene...	6.201	3848688	21.046 ug/ml
6) T n-Tetradecane (C14)	7.376	3490209	21.141 ug/ml
7) T n-Hexadecane (C16)	8.967	3530717	21.137 ug/ml
8) T n-Octadecane (C18)	10.401	3597170	20.903 ug/ml
10) T n-Eicosane (C20)	11.704	3509607	20.501 ug/ml
11) T n-Heneicosane (C21)	12.313	3492089	20.194 ug/ml
13) T n-Docosane (C22)	12.896	3442344	19.897 ug/ml
14) T n-Tetracosane (C24)	13.994	3406725	19.680 ug/ml
15) T n-Hexacosane (C26)	15.011	3246194	19.289 ug/ml
16) T n-Octacosane (C28)	15.956	3187283	19.477 ug/ml
17) T n-Tricontane (C30)	16.840	3228463	20.679 ug/ml
18) T n-Dotriacontane (C32)	17.670	3054542	21.908 ug/ml
19) T n-Tetratriacontane (C34)	18.452	2781973	22.383 ug/mlm
20) T n-Hexatriacontane (C36)	19.188	2529799	22.754 ug/ml
21) T n-Octatriacontane (C38)	19.892	2368048	22.701 ug/ml
22) T n-Tetracontane (C40)	20.718	2330061	24.334 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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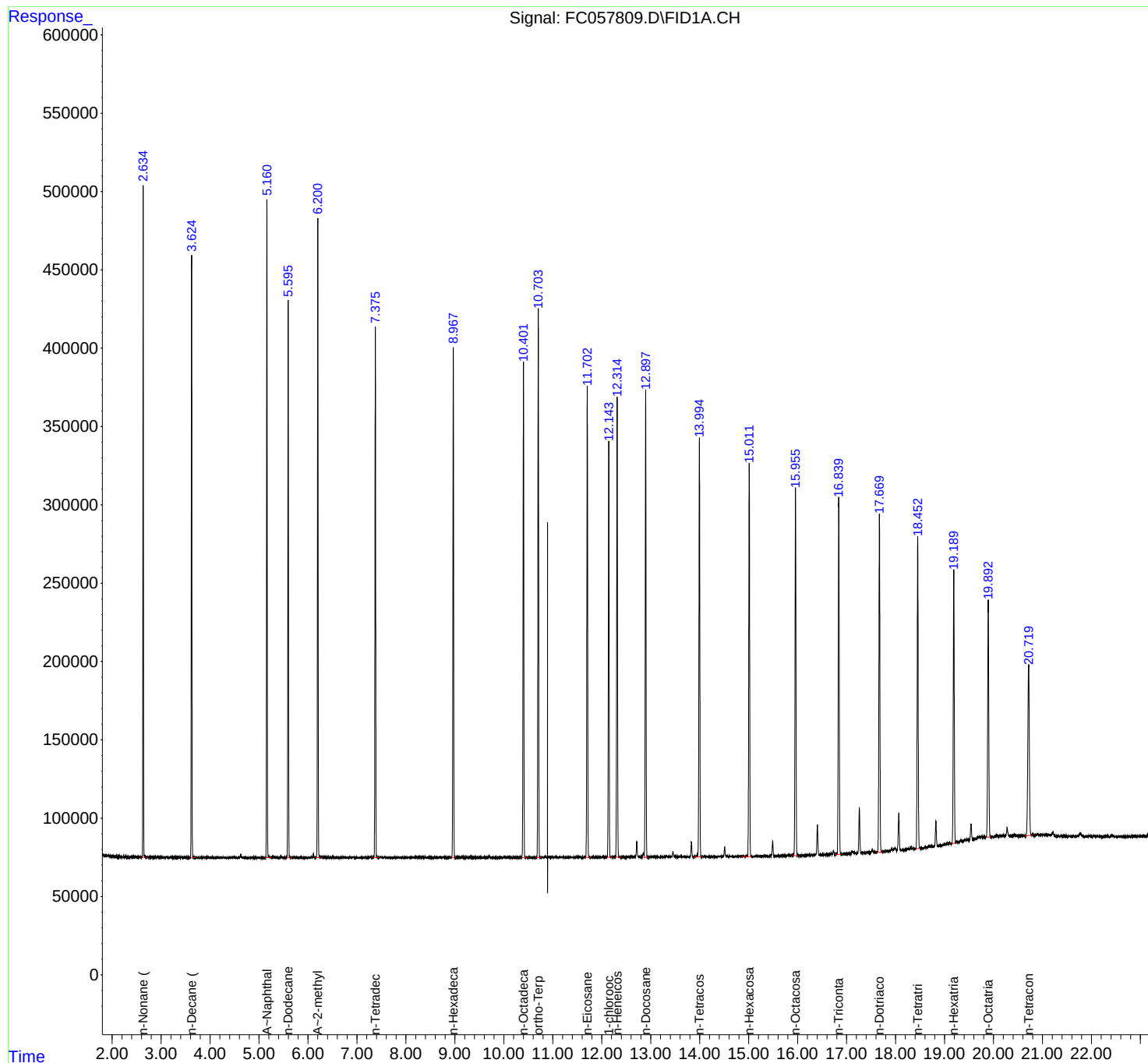
Instrument :
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20 PPM ALIPHATIC HC STD

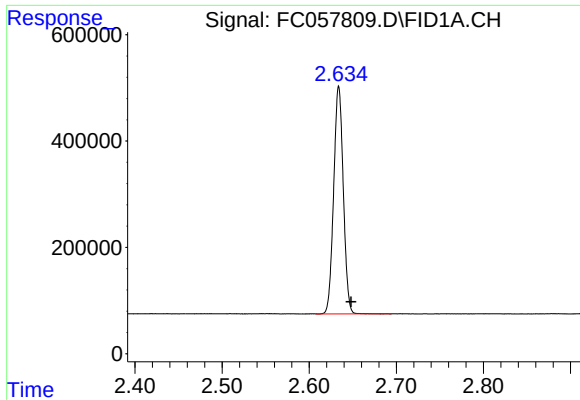
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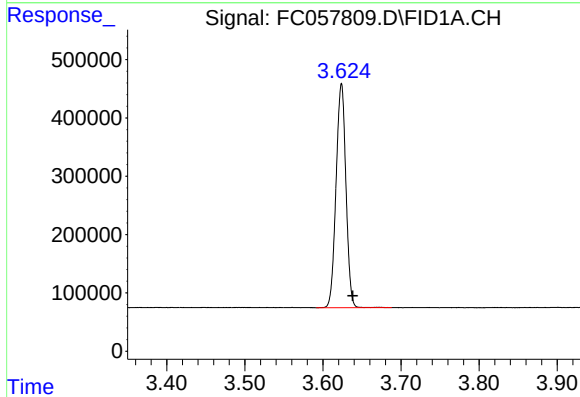
#1 n-Nonane (C9)

R.T.: 2.634 min
Delta R.T.: -0.014 min
Response: 3286365
Conc: 20.55 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

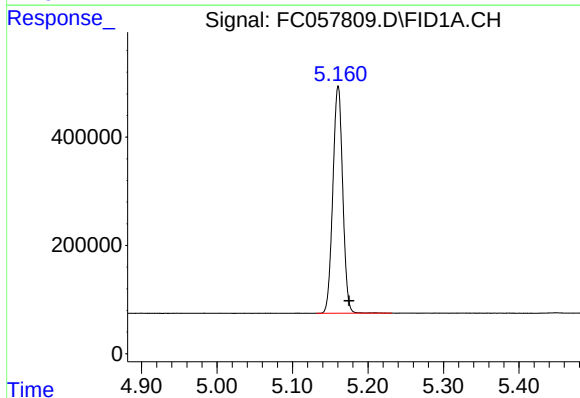
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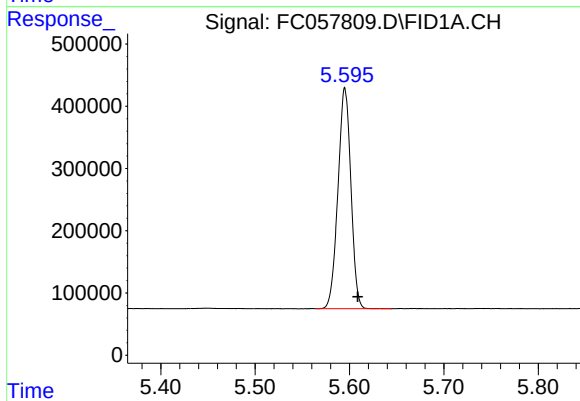
#2 n-Decane (C10)

R.T.: 3.624 min
Delta R.T.: -0.014 min
Response: 3370799
Conc: 20.97 ug/ml



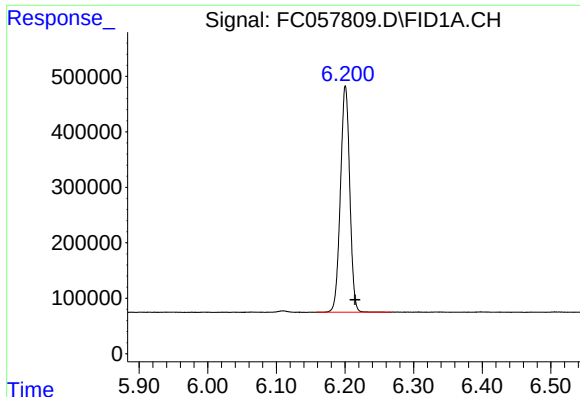
#3 A~Naphthalene (C11.7)

R.T.: 5.160 min
Delta R.T.: -0.014 min
Response: 3816069
Conc: 21.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.595 min
Delta R.T.: -0.014 min
Response: 3382804
Conc: 20.97 ug/ml



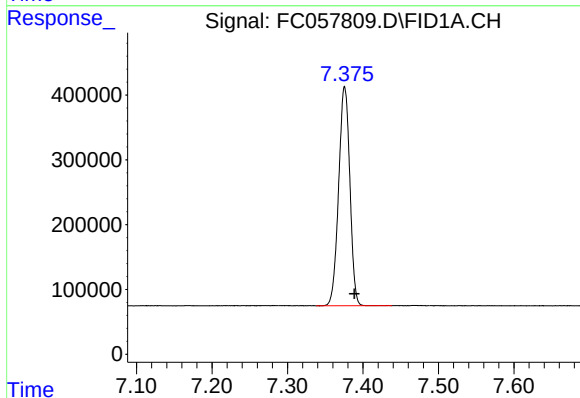
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.201 min
Delta R.T.: -0.014 min
Response: 3848688
Conc: 21.05 ug/ml

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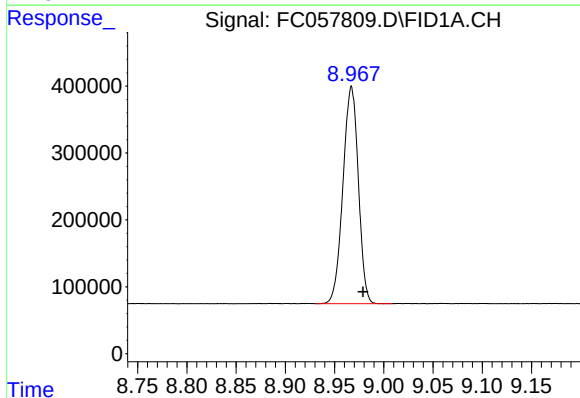
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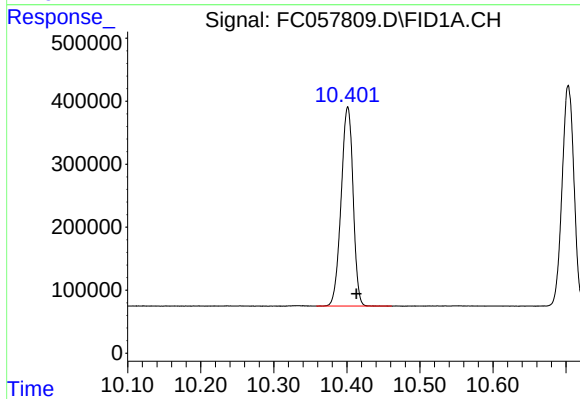
#6 n-Tetradecane (C14)

R.T.: 7.376 min
Delta R.T.: -0.013 min
Response: 3490209
Conc: 21.14 ug/ml



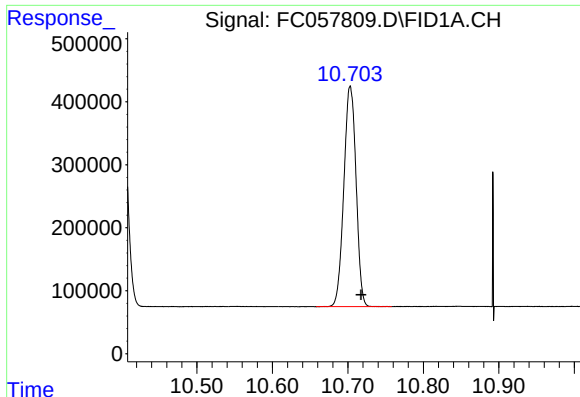
#7 n-Hexadecane (C16)

R.T.: 8.967 min
Delta R.T.: -0.012 min
Response: 3530717
Conc: 21.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.401 min
Delta R.T.: -0.012 min
Response: 3597170
Conc: 20.90 ug/ml



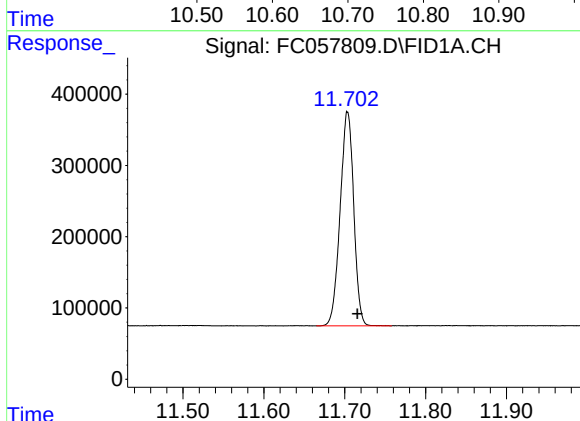
#9 ortho-Terphenyl (SURR)

R.T.: 10.703 min
Delta R.T.: -0.014 min
Response: 3936326
Conc: 20.36 ug/ml

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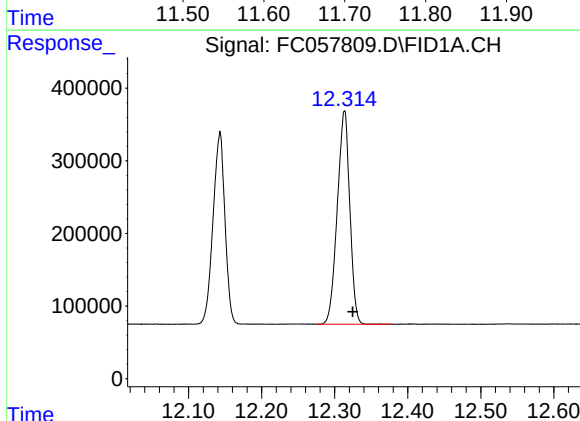
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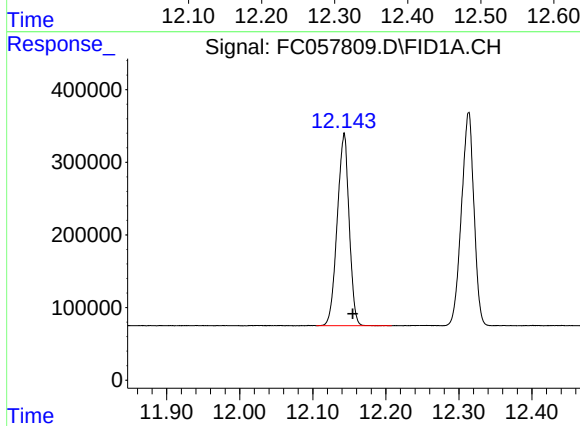
#10 n-Eicosane (C20)

R.T.: 11.704 min
Delta R.T.: -0.012 min
Response: 3509607
Conc: 20.50 ug/ml



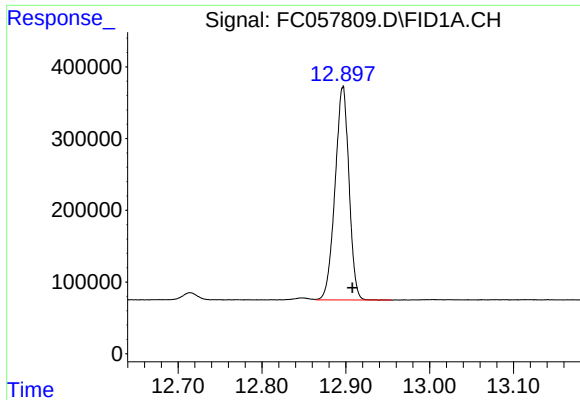
#11 n-Heneicosane (C21)

R.T.: 12.313 min
Delta R.T.: -0.011 min
Response: 3492089
Conc: 20.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.143 min
Delta R.T.: -0.012 min
Response: 2993283
Conc: 20.31 ug/ml



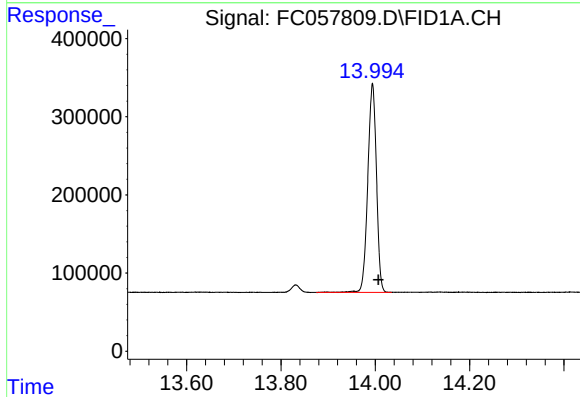
#13 n-Docosane (C22)

R.T.: 12.896 min
Delta R.T.: -0.012 min
Response: 3442344
Conc: 19.90 ug/ml

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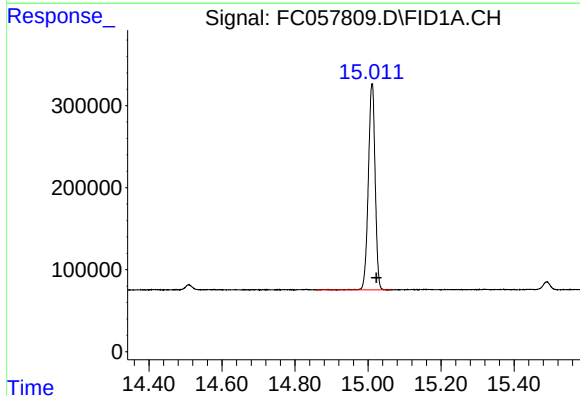
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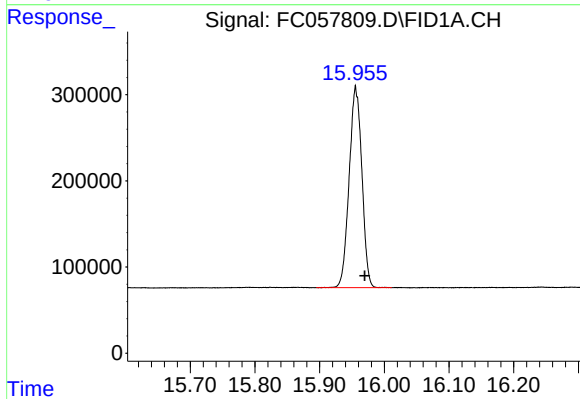
#14 n-Tetracosane (C24)

R.T.: 13.994 min
Delta R.T.: -0.012 min
Response: 3406725
Conc: 19.68 ug/ml



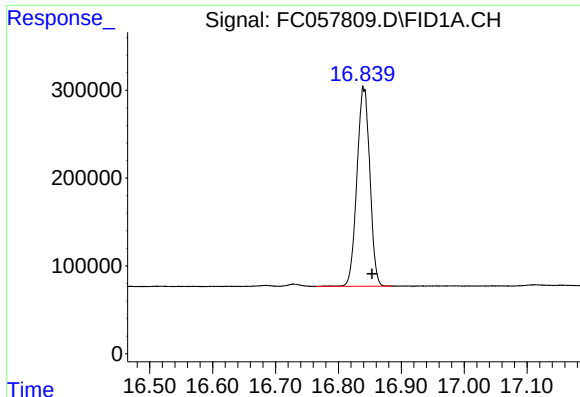
#15 n-Hexacosane (C26)

R.T.: 15.011 min
Delta R.T.: -0.012 min
Response: 3246194
Conc: 19.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.956 min
Delta R.T.: -0.014 min
Response: 3187283
Conc: 19.48 ug/ml



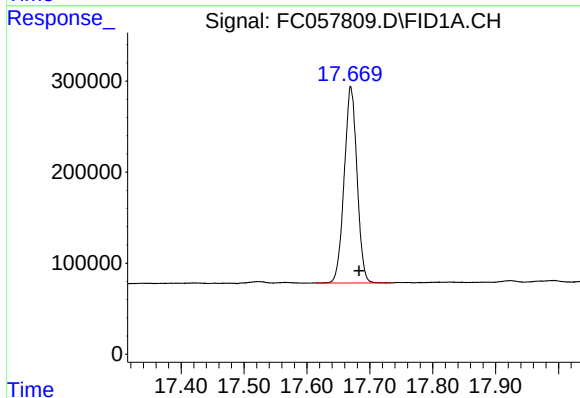
#17 n-Tricontane (C30)

R.T.: 16.840 min
Delta R.T.: -0.013 min
Response: 3228463
Conc: 20.68 ug/ml

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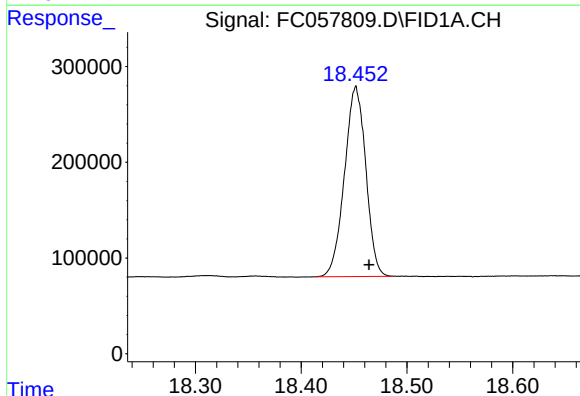
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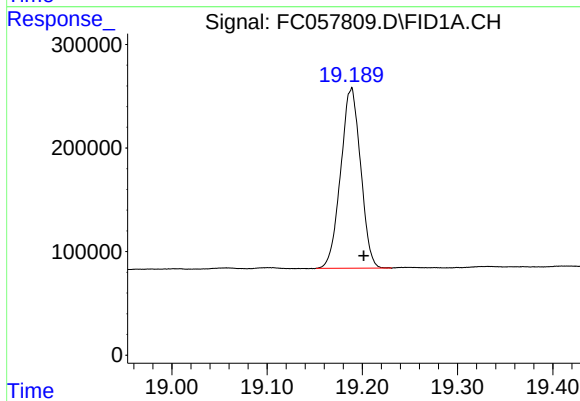
#18 n-Dotriacontane (C32)

R.T.: 17.670 min
Delta R.T.: -0.013 min
Response: 3054542
Conc: 21.91 ug/ml



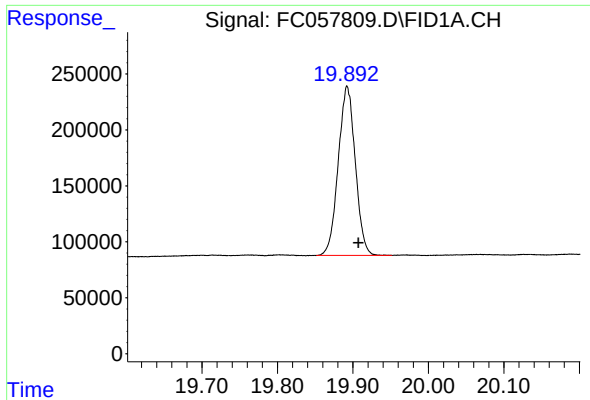
#19 n-Tetratriacontane (C34)

R.T.: 18.452 min
Delta R.T.: -0.013 min
Response: 2781973
Conc: 22.38 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.188 min
Delta R.T.: -0.013 min
Response: 2529799
Conc: 22.75 ug/ml



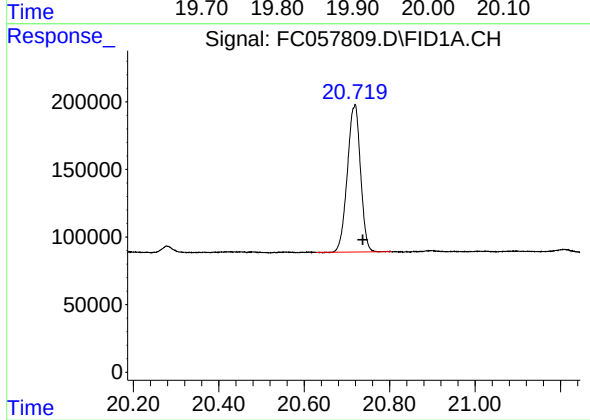
#21 n-Octatriacontane (C38)

R.T.: 19.892 min
Delta R.T.: -0.015 min
Response: 2368048
Conc: 22.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.718 min
Delta R.T.: -0.019 min
Response: 2330061
Conc: 24.33 ug/ml