

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051122AL\
 Data File : FC059707.D
 Signal(s) : FID1A.CH
 Acq On : 12 May 2022 00:07
 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 05/12/2022
 Supervised By :mohammad ahmed 05/12/2022

Integration File: sample.E
 Quant Time: May 12 02:13:23 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)	10.656	2765080	18.830 ug/ml
Spiked Amount 50.000		Recovery =	37.66%
12) S 1-chlorooctadecane (S...	12.026	2181652	18.958 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T n-Nonane (C9)	2.635	2485249	19.461 ug/ml
2) T n-Decane (C10)	3.634	2510888	19.826 ug/ml
3) T A~Naphthalene (C11.7)	5.171	2868504	19.481 ug/ml
4) T n-Dodecane (C12)	5.587	2582933	19.641 ug/ml
5) T A~2-methylnaphthalene...	6.194	2917385	19.408 ug/ml
6) T n-Tetradecane (C14)	7.338	2630948	19.552 ug/ml
7) T n-Hexadecane (C16)	8.902	2671275	19.468 ug/ml
8) T n-Octadecane (C18)	10.311	2657859	19.287 ug/ml
10) T n-Eicosane (C20)	11.591	2573208	19.132 ug/ml
11) T n-Heneicosane (C21)	12.188	2539286	19.035 ug/ml
13) T n-Docosane (C22)	12.761	2504157	19.081 ug/ml
14) T n-Tetracosane (C24)	13.839	2465231	19.593 ug/ml
15) T n-Hexacosane (C26)	14.837	2312690	19.364 ug/ml
16) T n-Octacosane (C28)	15.765	2276183	19.994 ug/ml
17) T n-Tricontane (C30)	16.632	2308727	21.003 ug/ml
18) T n-Dotriacontane (C32)	17.446	2233470	21.604 ug/mlm
19) T n-Tetratriacontane (C34)	18.209	2062442	21.125 ug/mlm
20) T n-Hexatriacontane (C36)	18.932	1914592	20.624 ug/mlm
21) T n-Octatriacontane (C38)	19.615	1839981	19.329 ug/mlm
22) T n-Tetracontane (C40)	20.263	1845544	19.496 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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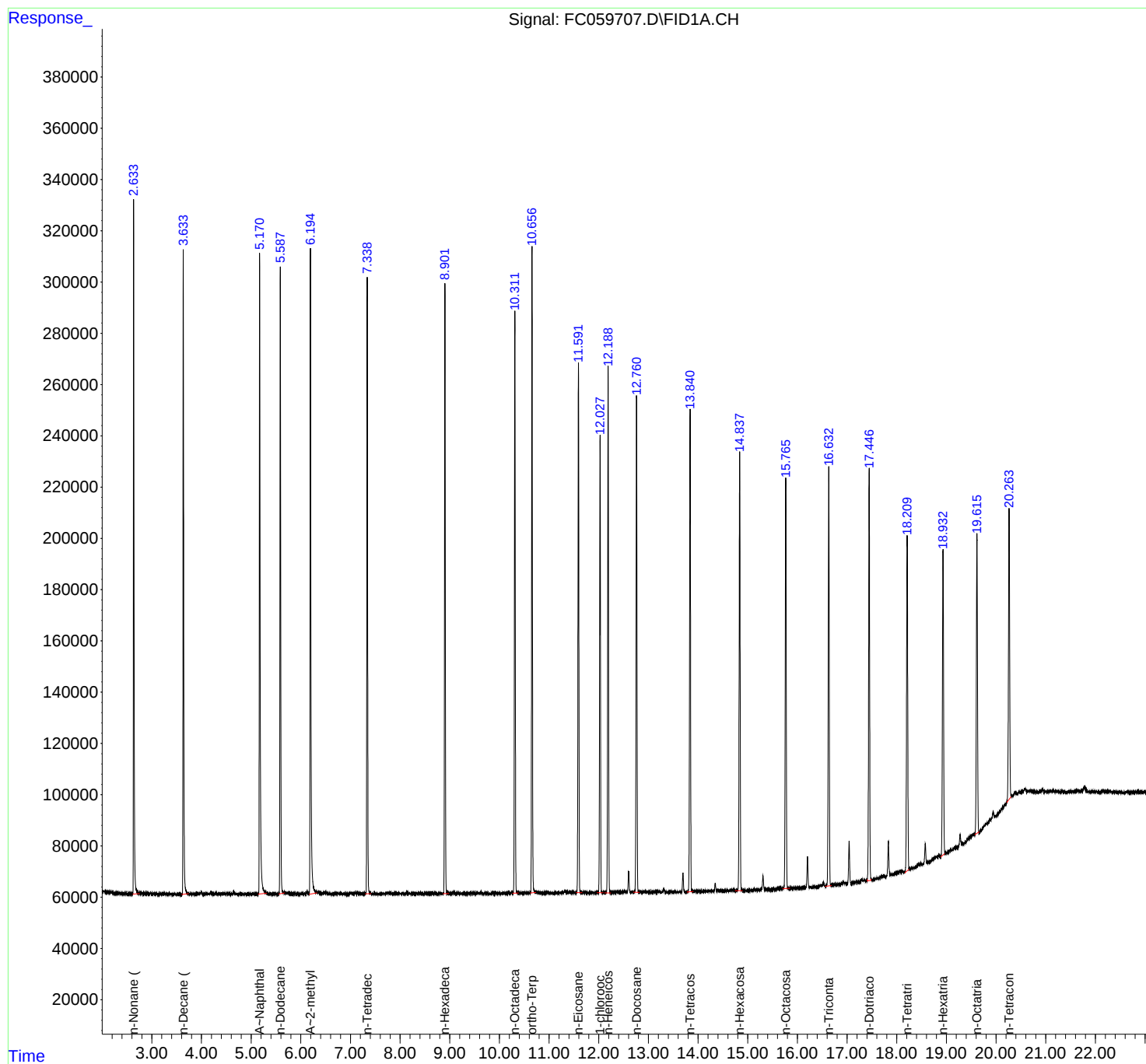
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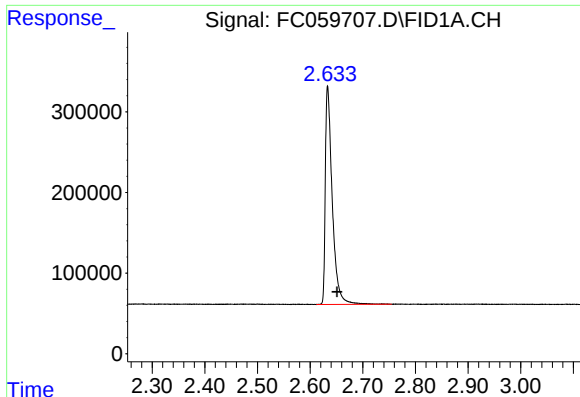
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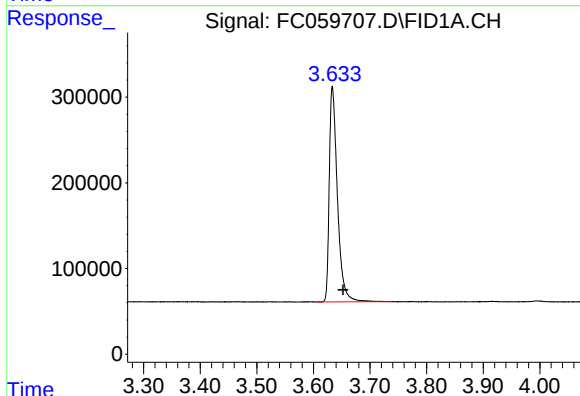
#1 n-Nonane (C9)

R.T.: 2.635 min
Delta R.T.: -0.016 min
Response: 2485249
Conc: 19.46 ug/ml

Instrument :
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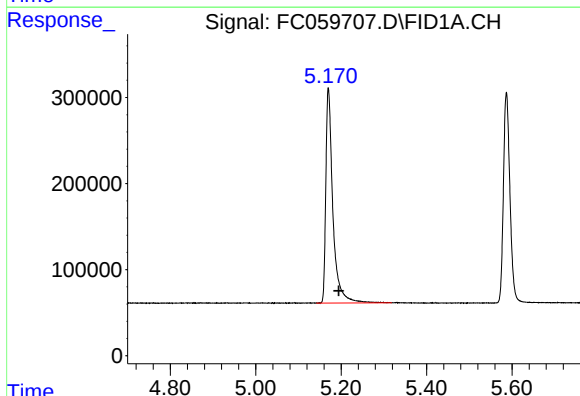
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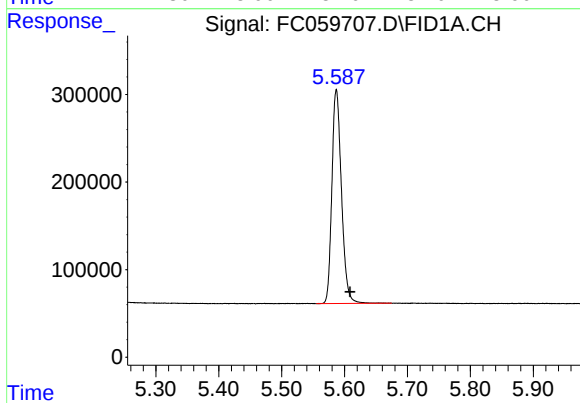
#2 n-Decane (C10)

R.T.: 3.634 min
Delta R.T.: -0.018 min
Response: 2510888
Conc: 19.83 ug/ml



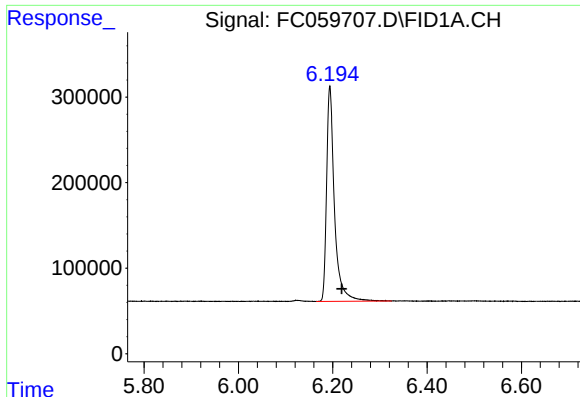
#3 A~Naphthalene (C11.7)

R.T.: 5.171 min
Delta R.T.: -0.024 min
Response: 2868504
Conc: 19.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.587 min
Delta R.T.: -0.021 min
Response: 2582933
Conc: 19.64 ug/ml



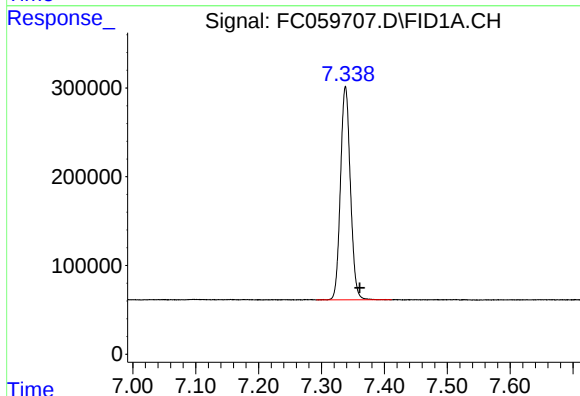
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.194 min
Delta R.T.: -0.025 min
Response: 2917385
Conc: 19.41 ug/ml

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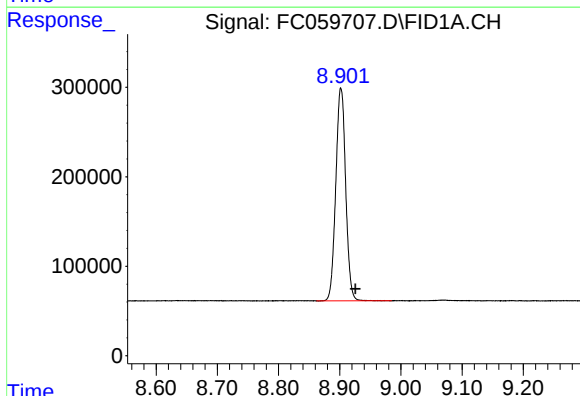
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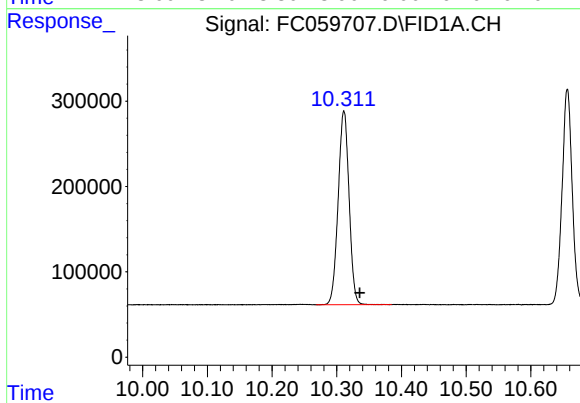
#6 n-Tetradecane (C14)

R.T.: 7.338 min
Delta R.T.: -0.023 min
Response: 2630948
Conc: 19.55 ug/ml



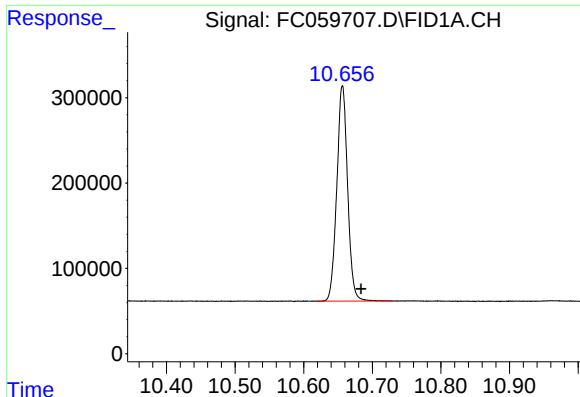
#7 n-Hexadecane (C16)

R.T.: 8.902 min
Delta R.T.: -0.023 min
Response: 2671275
Conc: 19.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.311 min
Delta R.T.: -0.024 min
Response: 2657859
Conc: 19.29 ug/ml



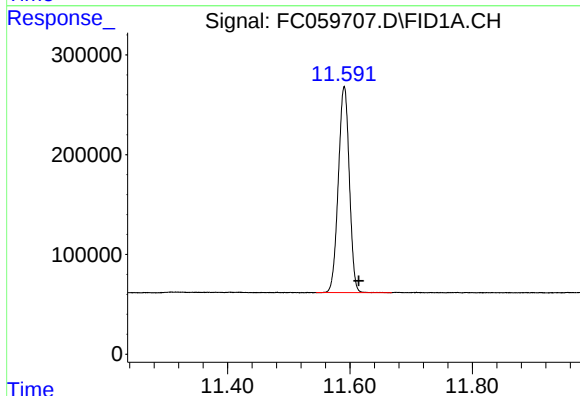
#9 ortho-Terphenyl (SURR)

R.T.: 10.656 min
Delta R.T.: -0.027 min
Response: 2765080
Conc: 18.83 ug/ml

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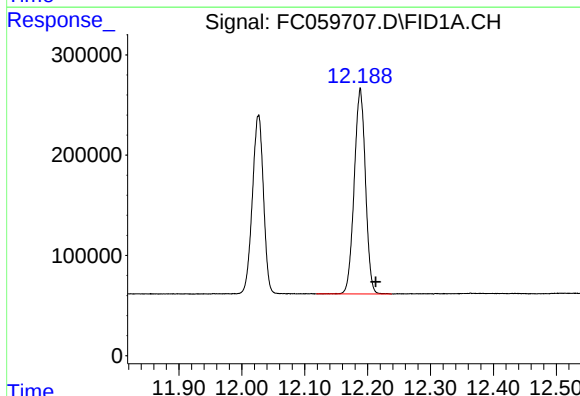
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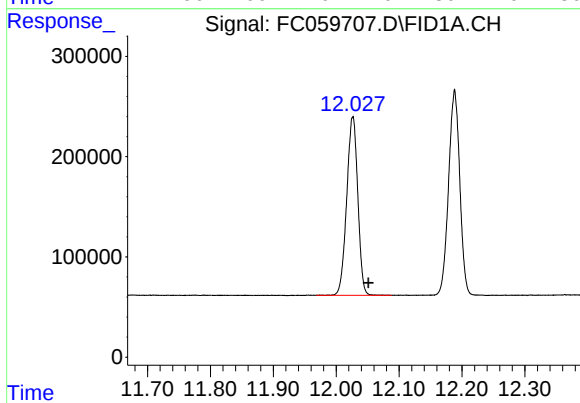
#10 n-Eicosane (C20)

R.T.: 11.591 min
Delta R.T.: -0.024 min
Response: 2573208
Conc: 19.13 ug/ml



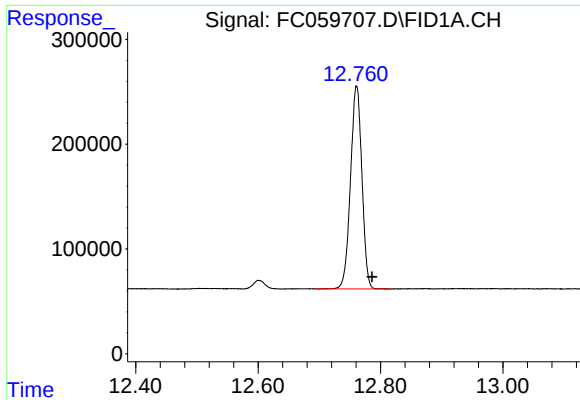
#11 n-Heneicosane (C21)

R.T.: 12.188 min
Delta R.T.: -0.025 min
Response: 2539286
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.026 min
Delta R.T.: -0.025 min
Response: 2181652
Conc: 18.96 ug/ml



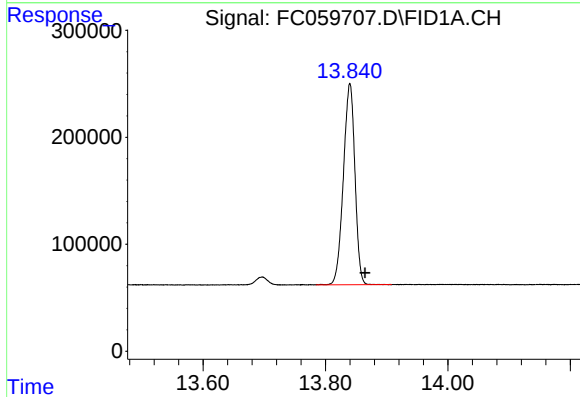
#13 n-Docosane (C22)

R.T.: 12.761 min
Delta R.T.: -0.026 min
Response: 2504157
Conc: 19.08 ug/ml

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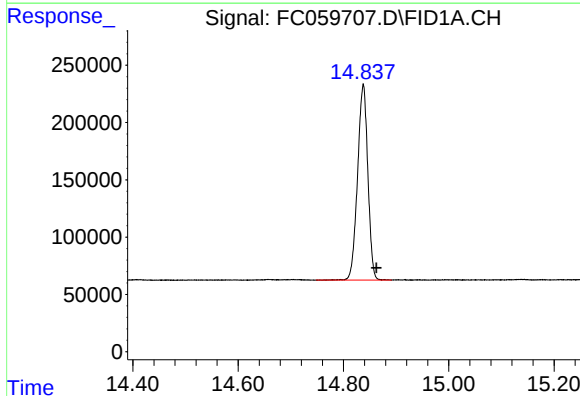
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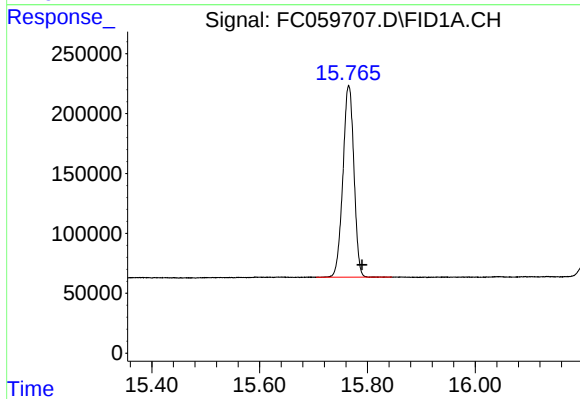
#14 n-Tetracosane (C24)

R.T.: 13.839 min
Delta R.T.: -0.025 min
Response: 2465231
Conc: 19.59 ug/ml



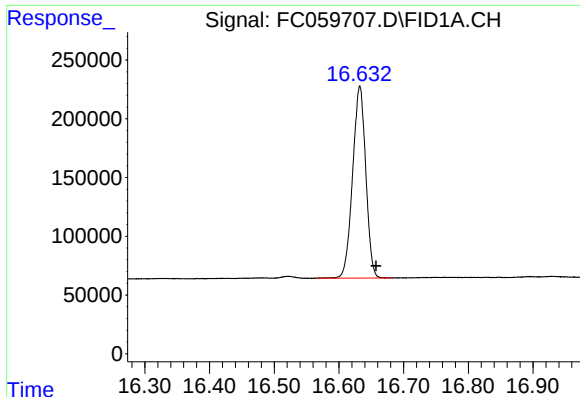
#15 n-Hexacosane (C26)

R.T.: 14.837 min
Delta R.T.: -0.026 min
Response: 2312690
Conc: 19.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.765 min
Delta R.T.: -0.025 min
Response: 2276183
Conc: 19.99 ug/ml



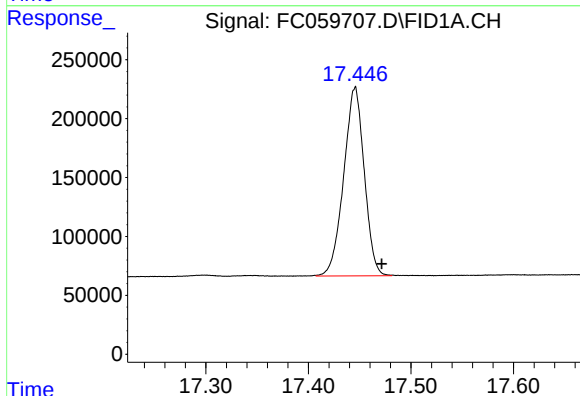
#17 n-Tricontane (C30)

R.T.: 16.632 min
Delta R.T.: -0.025 min
Response: 2308727
Conc: 21.00 ug/ml

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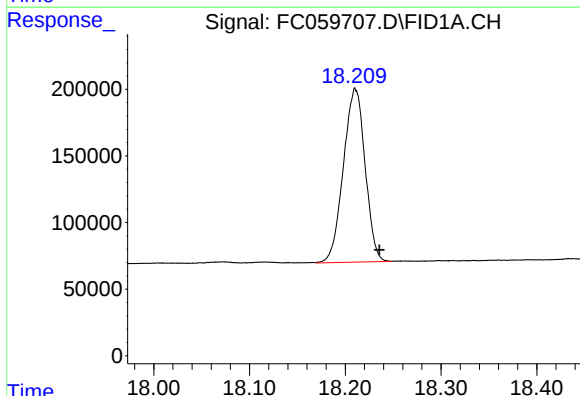
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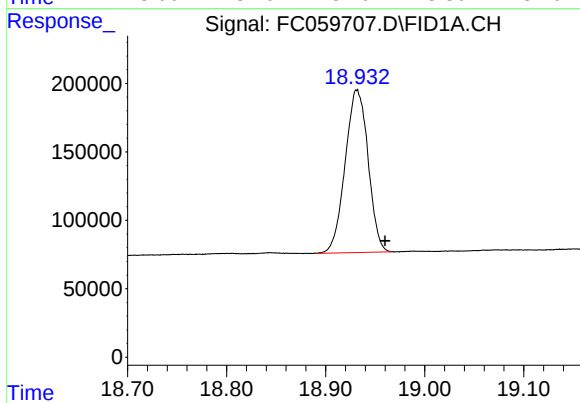
#18 n-Dotriacontane (C32)

R.T.: 17.446 min
Delta R.T.: -0.026 min
Response: 2233470
Conc: 21.60 ug/ml m



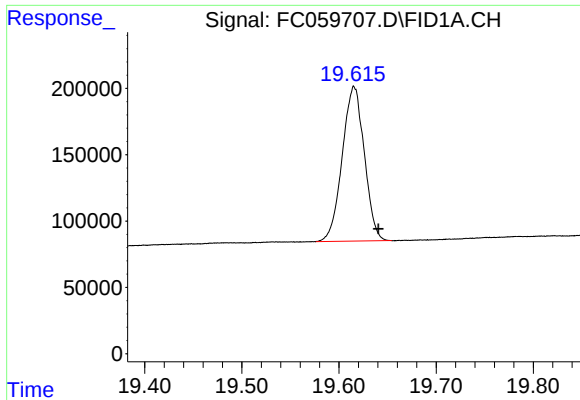
#19 n-Tetratriacontane (C34)

R.T.: 18.209 min
Delta R.T.: -0.026 min
Response: 2062442
Conc: 21.12 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 18.932 min
Delta R.T.: -0.028 min
Response: 1914592
Conc: 20.62 ug/ml m



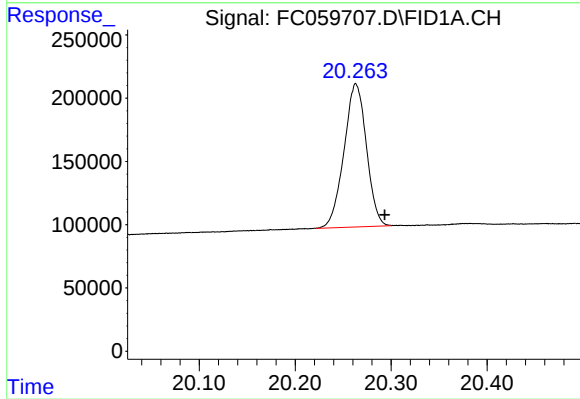
#21 n-Octatriacontane (C38)

R.T.: 19.615 min
Delta R.T.: -0.026 min
Response: 1839981
Conc: 19.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.263 min
Delta R.T.: -0.030 min
Response: 1845544
Conc: 19.50 ug/ml m