

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121324AL\
 Data File : FC068008.D
 Signal(s) : FID1A.ch
 Acq On : 13 Dec 2024 10:34
 Operator : YP/AJ
 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 12/16/2024
 Supervised By :Ankita Jodhani 12/16/2024

Integration File: autoint1.e
 Quant Time: Dec 13 22:44:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.464	3273837	18.933 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
12) S 1-chlorooctadecane (S...	12.903	2440727	19.129 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
Target Compounds			
1) T n-Nonane (C9)	3.248	2880462	18.540 ug/ml
2) T n-Decane (C10)	4.311	2948877	18.602 ug/ml
3) T A~Naphthalene (C11.7)	5.885	3252812	18.632 ug/ml
4) T n-Dodecane (C12)	6.325	2990544	18.573 ug/ml
5) T A~2-methylnaphthalene...	6.940	3153220	18.819 ug/ml
6) T n-Tetradecane (C14)	8.117	2961713	18.627 ug/ml
7) T n-Hexadecane (C16)	9.714	3049632	18.877 ug/ml
8) T n-Octadecane (C18)	11.154	3053001	19.017 ug/ml
10) T n-Eicosane (C20)	12.461	2880611	19.149 ug/ml
11) T n-Heneicosane (C21)	13.072	2803028	19.184 ug/ml
13) T n-Docosane (C22)	13.658	2757475	19.263 ug/ml
14) T n-Tetracosane (C24)	14.758	2708561	19.493 ug/ml
15) T n-Hexacosane (C26)	15.777	2633137	19.690 ug/ml
16) T n-Octacosane (C28)	16.726	2641543	20.365 ug/mlm
17) T n-Tricontane (C30)	17.612	2793200	21.562 ug/ml
18) T n-Dotriacontane (C32)	18.442	2744483	22.153 ug/ml
19) T n-Tetratriacontane (C34)	19.224	2397446	21.965 ug/ml
20) T n-Hexatriacontane (C36)	19.962	2020420	21.355 ug/ml
21) T n-Octatriacontane (C38)	20.684	1885185	20.839 ug/mlm
22) T n-Tetracontane (C40)	21.552	1799493	20.417 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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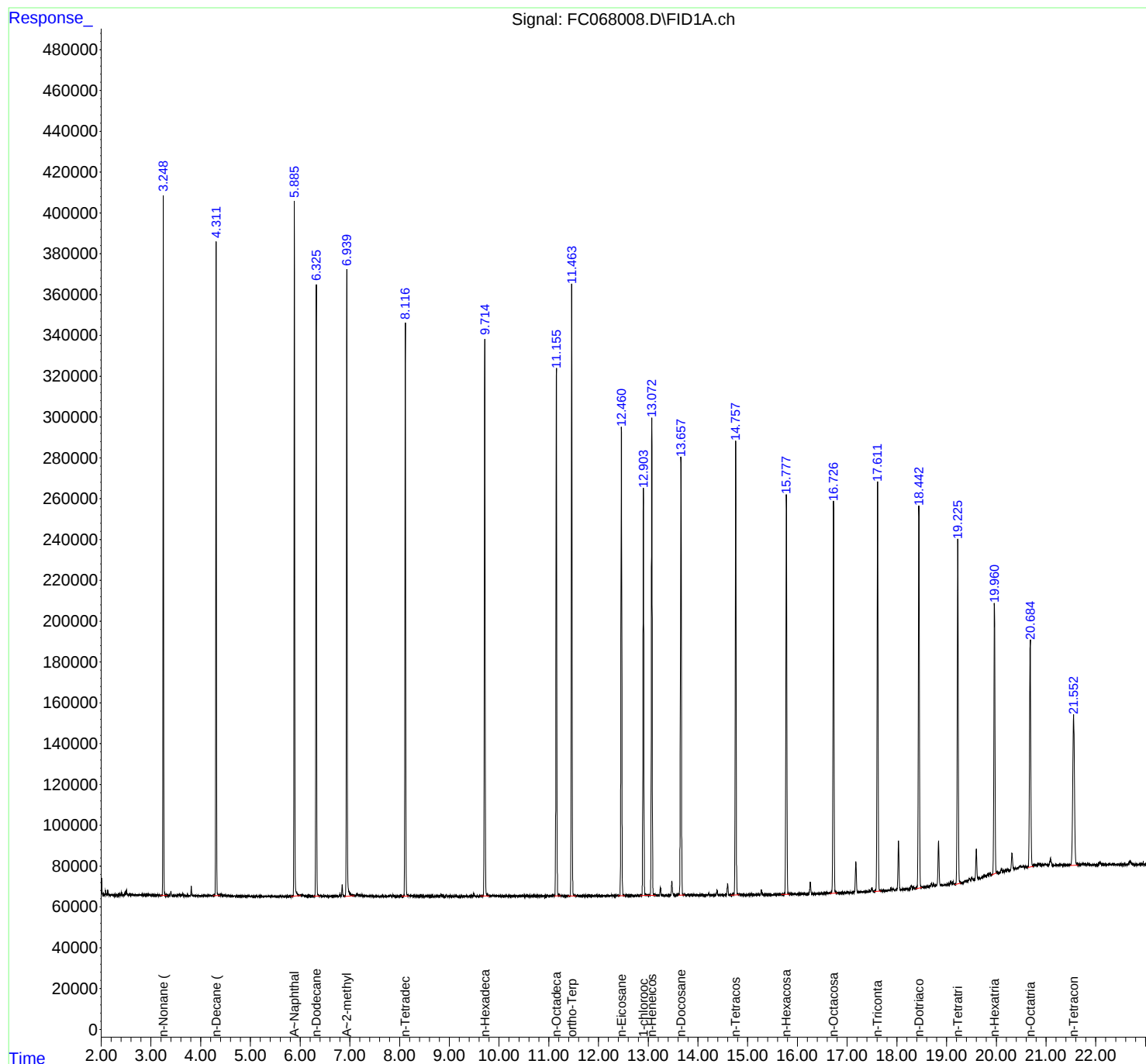
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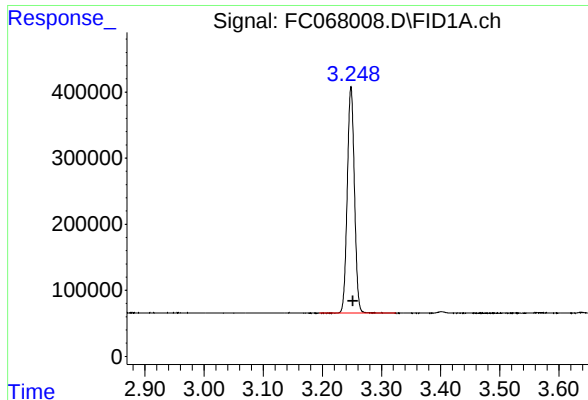
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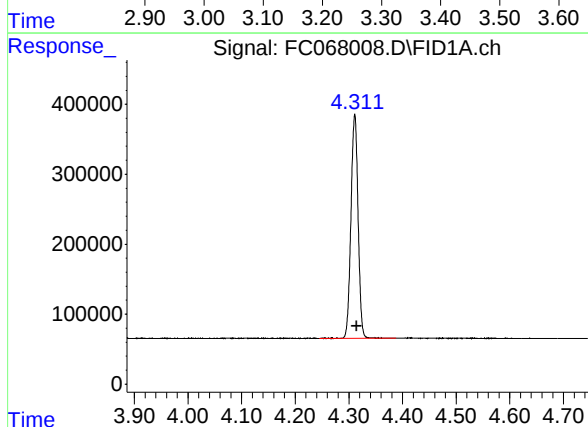
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.004 min
Response: 2880462
Conc: 18.54 ug/ml

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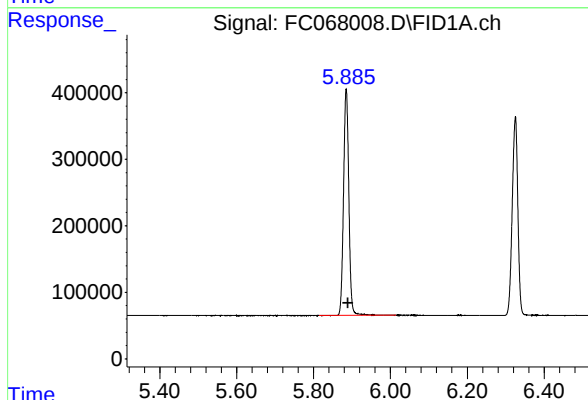
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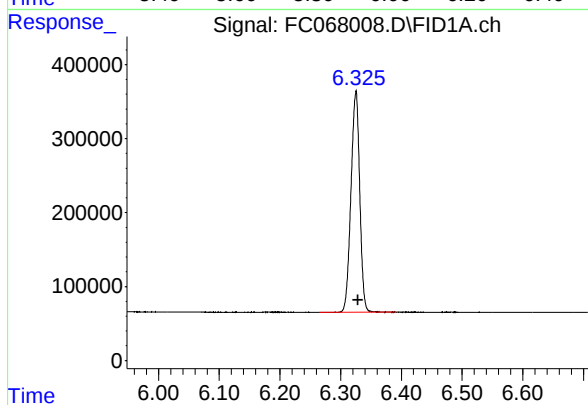
#2 n-Decane (C10)

R.T.: 4.311 min
Delta R.T.: -0.003 min
Response: 2948877
Conc: 18.60 ug/ml



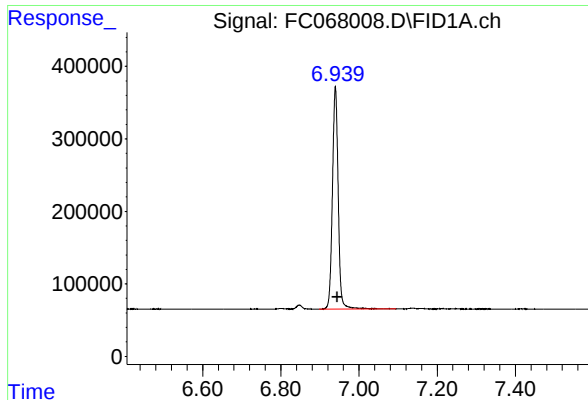
#3 A~Naphthalene (C11.7)

R.T.: 5.885 min
Delta R.T.: -0.004 min
Response: 3252812
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.325 min
Delta R.T.: -0.004 min
Response: 2990544
Conc: 18.57 ug/ml



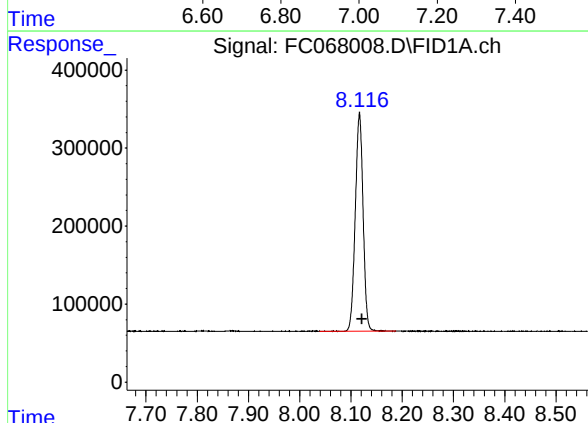
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.940 min
Delta R.T.: -0.005 min
Response: 3153220
Conc: 18.82 ug/ml

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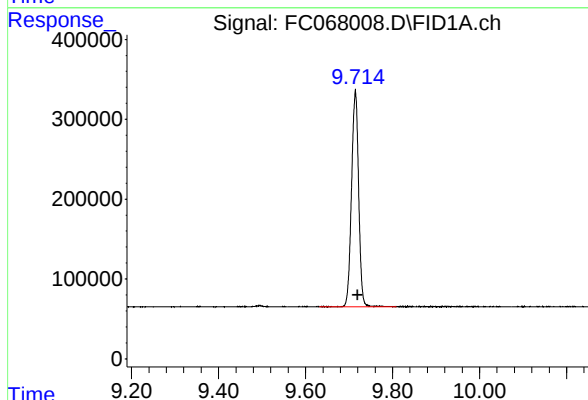
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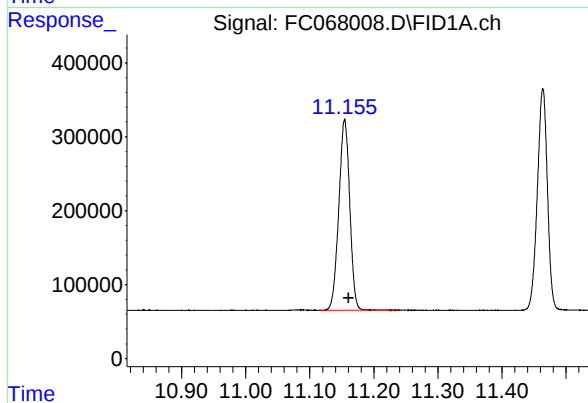
#6 n-Tetradecane (C14)

R.T.: 8.117 min
Delta R.T.: -0.005 min
Response: 2961713
Conc: 18.63 ug/ml



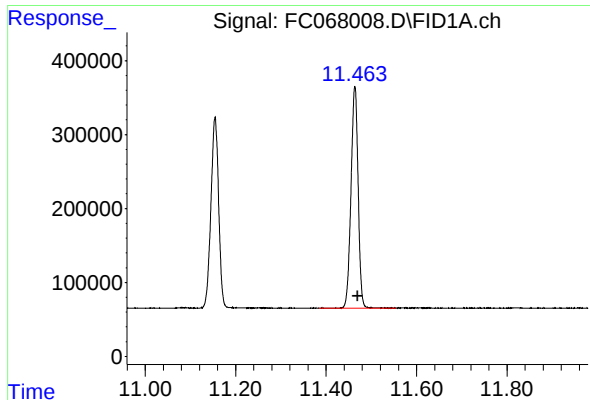
#7 n-Hexadecane (C16)

R.T.: 9.714 min
Delta R.T.: -0.006 min
Response: 3049632
Conc: 18.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.154 min
Delta R.T.: -0.006 min
Response: 3053001
Conc: 19.02 ug/ml



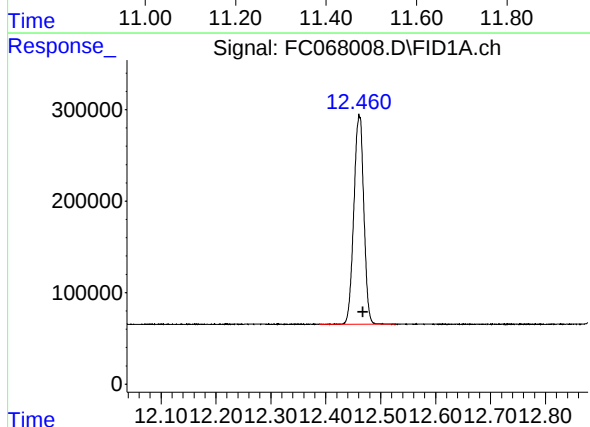
#9 ortho-Terphenyl (SURR)

R.T.: 11.464 min
Delta R.T.: -0.007 min
Response: 3273837
Conc: 18.93 ug/ml

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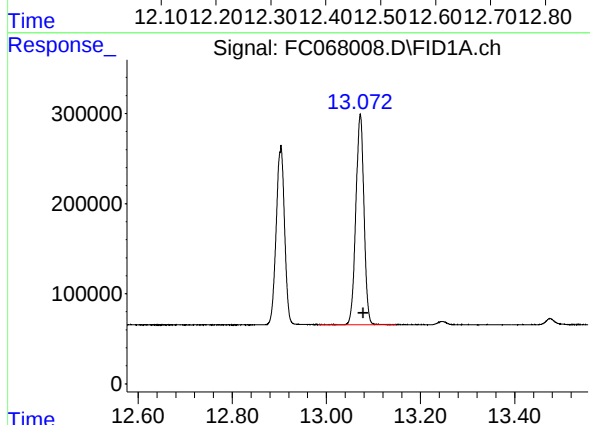
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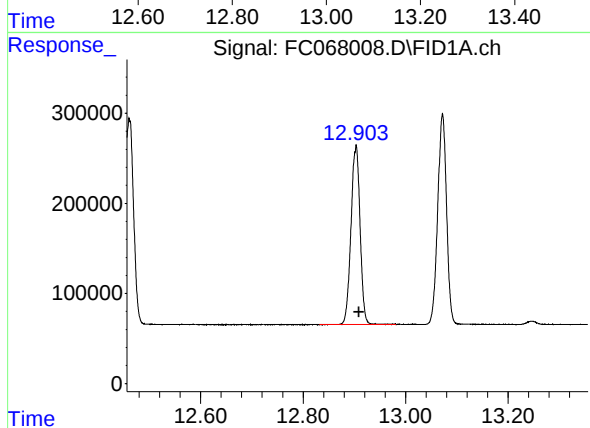
#10 n-Eicosane (C20)

R.T.: 12.461 min
Delta R.T.: -0.007 min
Response: 2880611
Conc: 19.15 ug/ml



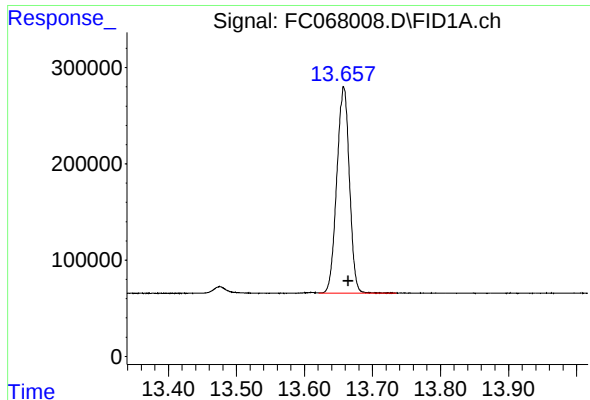
#11 n-Heneicosane (C21)

R.T.: 13.072 min
Delta R.T.: -0.007 min
Response: 2803028
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.903 min
Delta R.T.: -0.006 min
Response: 2440727
Conc: 19.13 ug/ml



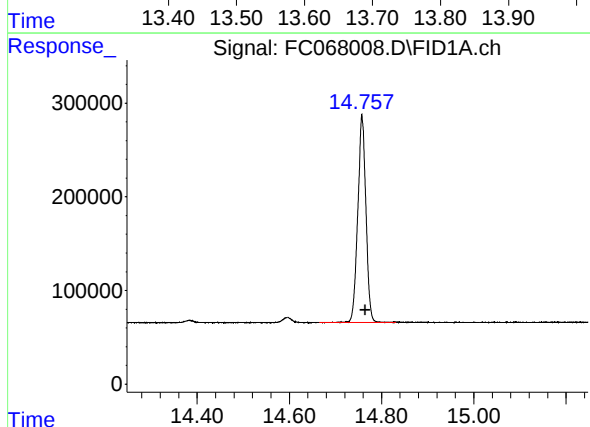
#13 n-Docosane (C22)

R.T.: 13.658 min
Delta R.T.: -0.006 min
Response: 2757475
Conc: 19.26 ug/ml

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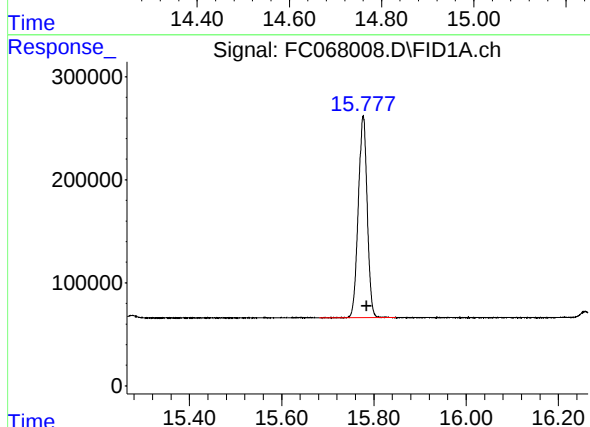
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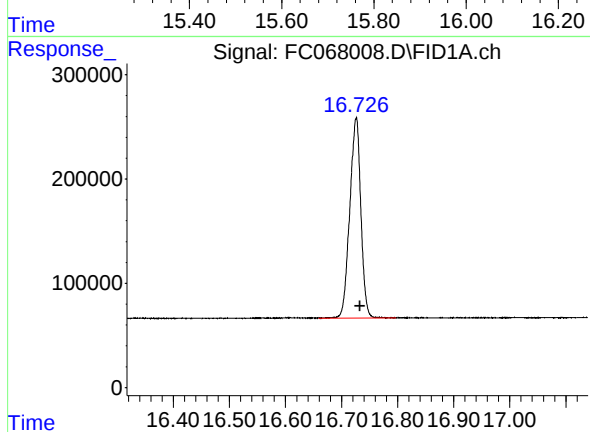
#14 n-Tetracosane (C24)

R.T.: 14.758 min
Delta R.T.: -0.007 min
Response: 2708561
Conc: 19.49 ug/ml



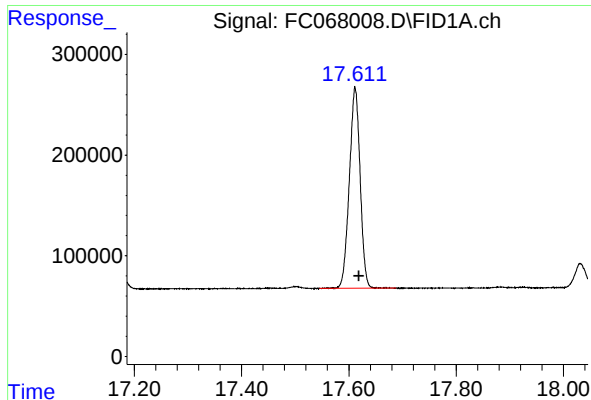
#15 n-Hexacosane (C26)

R.T.: 15.777 min
Delta R.T.: -0.008 min
Response: 2633137
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.726 min
Delta R.T.: -0.007 min
Response: 2641543
Conc: 20.36 ug/ml m



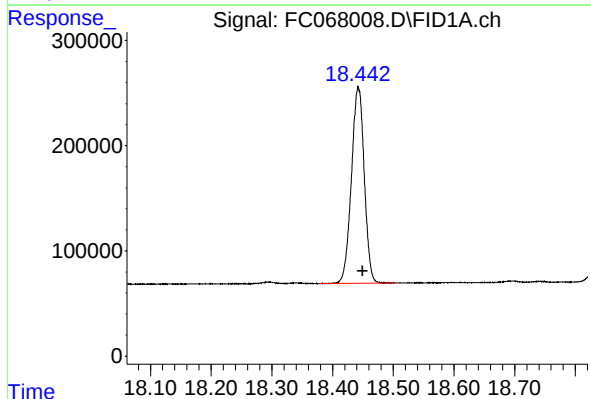
#17 n-Tricontane (C30)

R.T.: 17.612 min
Delta R.T.: -0.007 min
Response: 2793200
Conc: 21.56 ug/ml

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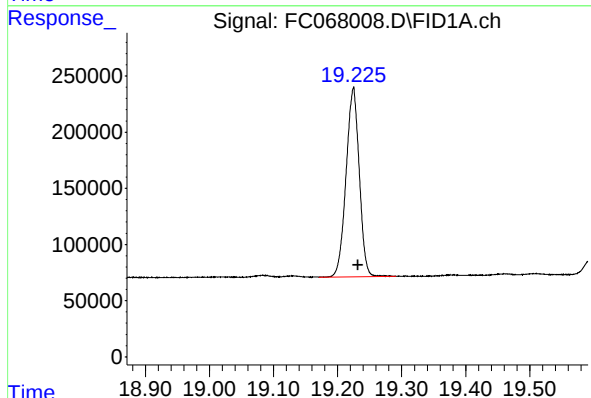
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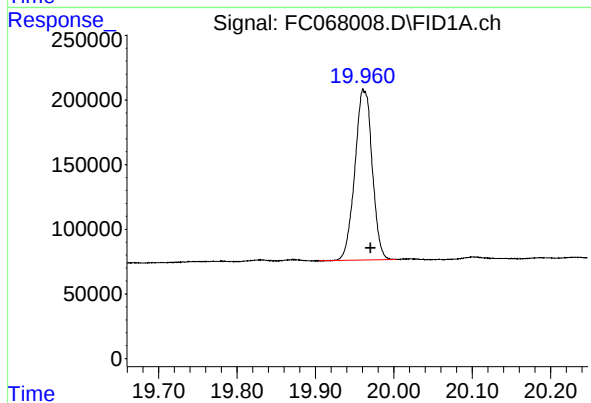
#18 n-Dotriacontane (C32)

R.T.: 18.442 min
Delta R.T.: -0.007 min
Response: 2744483
Conc: 22.15 ug/ml



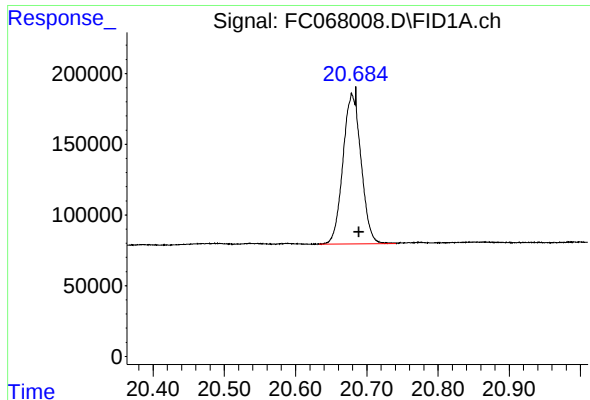
#19 n-Tetratriacontane (C34)

R.T.: 19.224 min
Delta R.T.: -0.008 min
Response: 2397446
Conc: 21.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.962 min
Delta R.T.: -0.008 min
Response: 2020420
Conc: 21.36 ug/ml



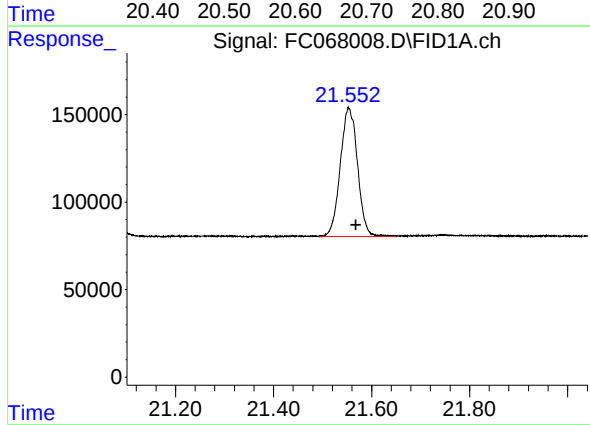
#21 n-Octatriacontane (C38)

R.T.: 20.684 min
Delta R.T.: -0.005 min
Response: 1885185
Conc: 20.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.552 min
Delta R.T.: -0.016 min
Response: 1799493
Conc: 20.42 ug/ml m