

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066368.D
 Signal(s) : FID1A.ch
 Acq On : 10 May 2024 09:16
 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 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:52:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 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)	11.559	2939181	17.777 ug/ml
Spiked Amount 50.000		Recovery =	35.55%
12) S 1-chlorooctadecane (S...	12.999	2204148	17.970 ug/ml
Spiked Amount 50.000		Recovery =	35.94%
Target Compounds			
1) T n-Nonane (C9)	3.313	2550388	16.887 ug/ml
2) T n-Decane (C10)	4.382	2617284	17.019 ug/ml
3) T A~Naphthalene (C11.7)	5.964	2896812	17.050 ug/ml
4) T n-Dodecane (C12)	6.403	2635409	17.148 ug/ml
5) T A~2-methylnaphthalene...	7.022	2813528	17.071 ug/ml
6) T n-Tetradecane (C14)	8.200	2611656	17.257 ug/mlm
7) T n-Hexadecane (C16)	9.802	2701385	17.667 ug/ml
8) T n-Octadecane (C18)	11.245	2720182	17.921 ug/ml
10) T n-Eicosane (C20)	12.555	2607479	18.126 ug/ml
11) T n-Heneicosane (C21)	13.167	2553479	18.166 ug/ml
13) T n-Docosane (C22)	13.754	2552034	18.228 ug/ml
14) T n-Tetracosane (C24)	14.857	2532447	17.989 ug/ml
15) T n-Hexacosane (C26)	15.879	2468057	18.043 ug/ml
16) T n-Octacosane (C28)	16.829	2421951	18.085 ug/ml
17) T n-Tricontane (C30)	17.717	2478174	18.389 ug/ml
18) T n-Dotriacontane (C32)	18.550	2439477	18.946 ug/ml
19) T n-Tetratriacontane (C34)	19.334	2386630	20.172 ug/ml
20) T n-Hexatriacontane (C36)	20.075	2432308	21.161 ug/ml
21) T n-Octatriacontane (C38)	20.809	2574981	23.923 ug/ml
22) T n-Tetracontane (C40)	21.722	2639439	24.614 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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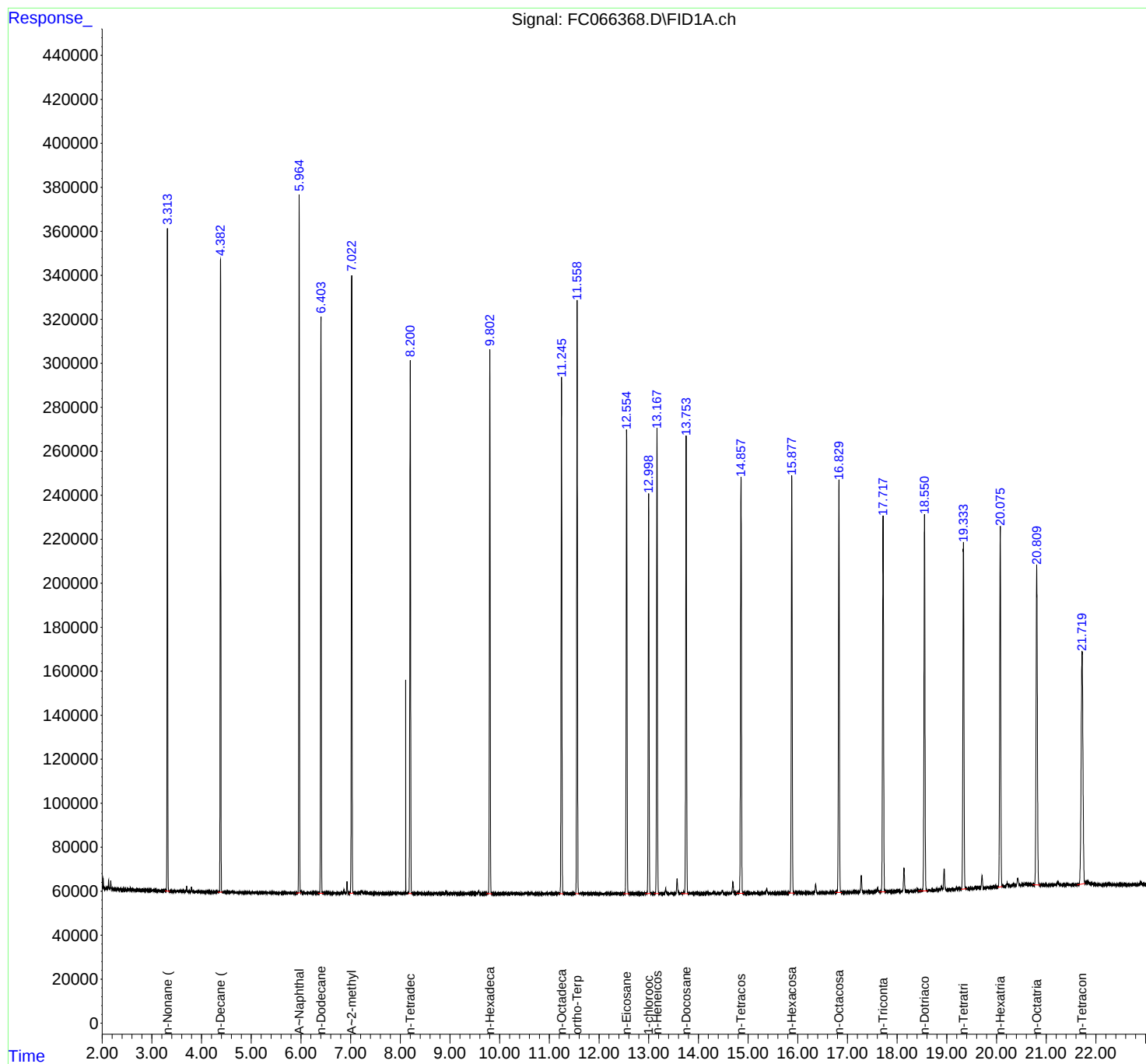
Instrument :
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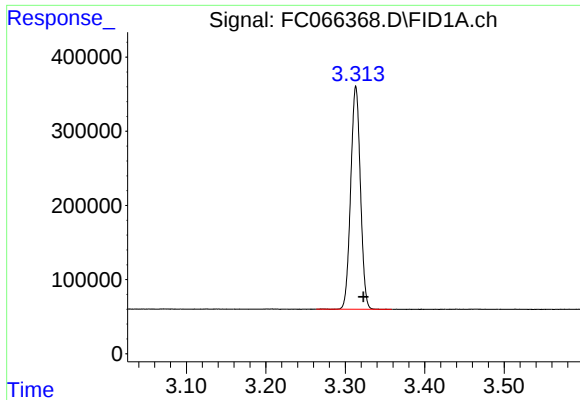
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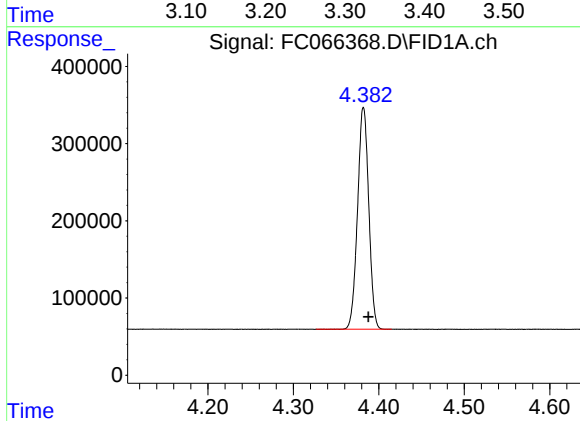
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: -0.010 min
Response: 2550388
Conc: 16.89 ug/ml

Instrument :
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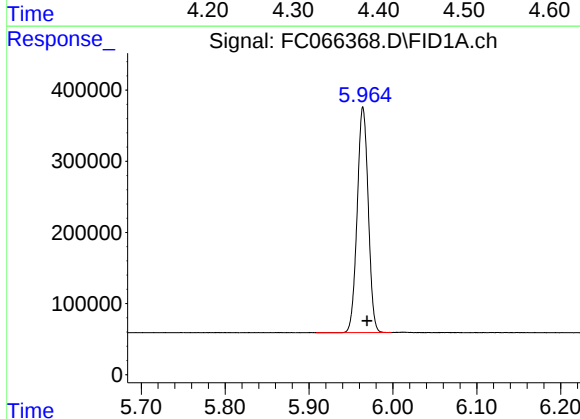
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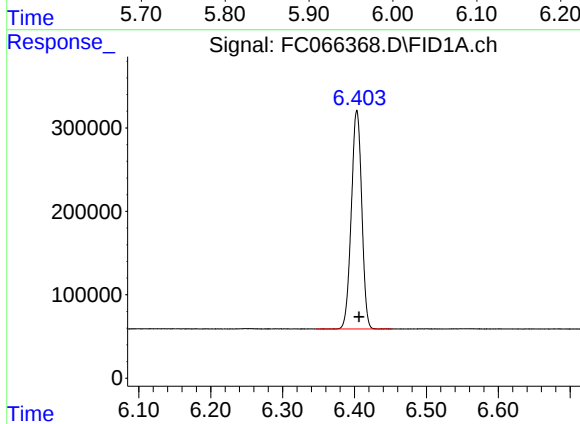
#2 n-Decane (C10)

R.T.: 4.382 min
Delta R.T.: -0.006 min
Response: 2617284
Conc: 17.02 ug/ml



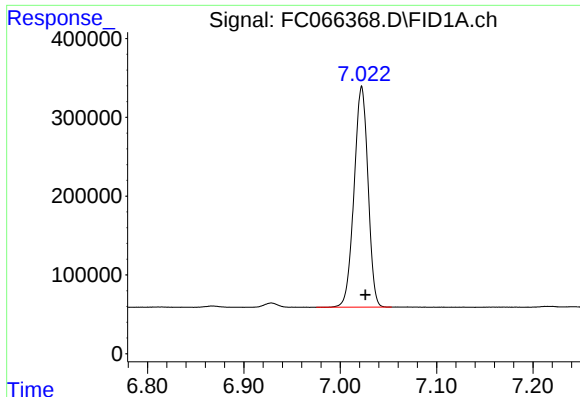
#3 A~Naphthalene (C11.7)

R.T.: 5.964 min
Delta R.T.: -0.005 min
Response: 2896812
Conc: 17.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 2635409
Conc: 17.15 ug/ml



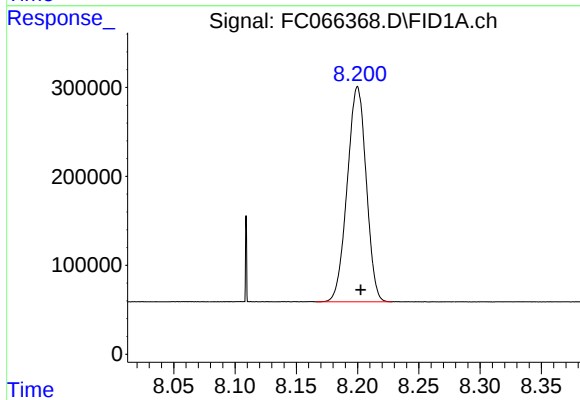
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.022 min
Delta R.T.: -0.004 min
Response: 2813528
Conc: 17.07 ug/ml

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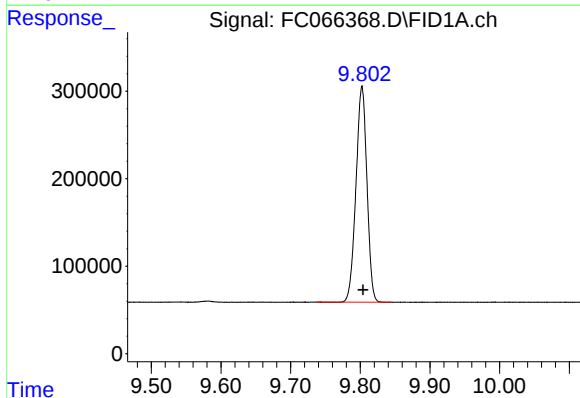
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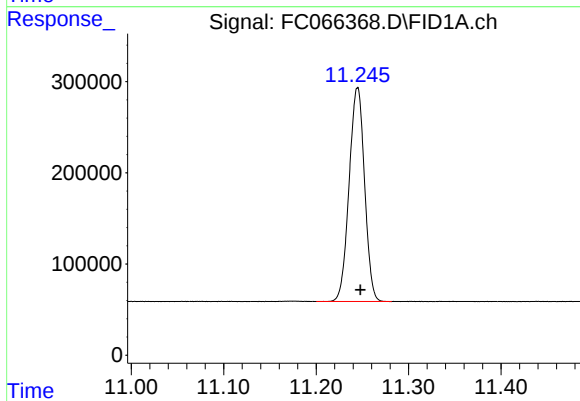
#6 n-Tetradecane (C14)

R.T.: 8.200 min
Delta R.T.: -0.003 min
Response: 2611656
Conc: 17.26 ug/ml m



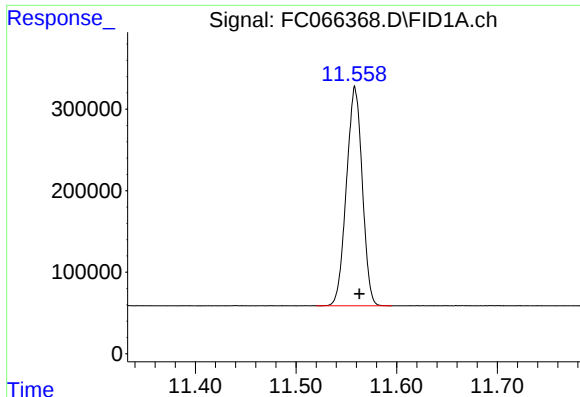
#7 n-Hexadecane (C16)

R.T.: 9.802 min
Delta R.T.: -0.002 min
Response: 2701385
Conc: 17.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.245 min
Delta R.T.: -0.003 min
Response: 2720182
Conc: 17.92 ug/ml



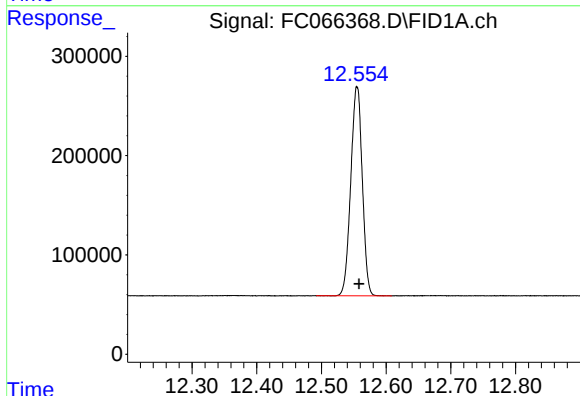
#9 ortho-Terphenyl (SURR)

R.T.: 11.559 min
Delta R.T.: -0.004 min
Response: 2939181
Conc: 17.78 ug/ml

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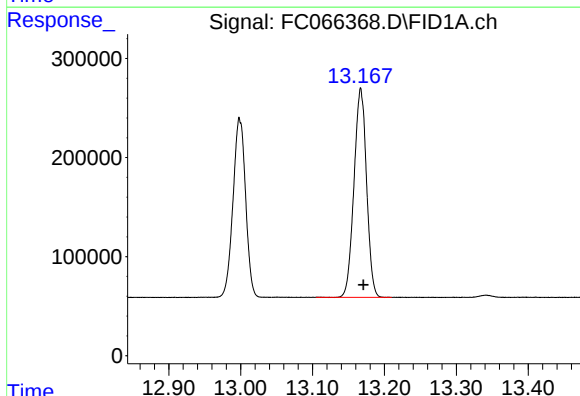
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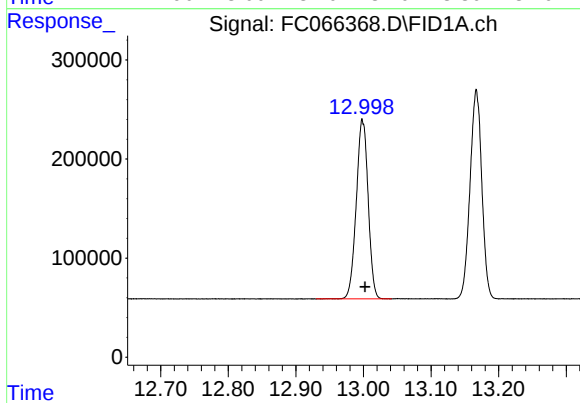
#10 n-Eicosane (C20)

R.T.: 12.555 min
Delta R.T.: -0.003 min
Response: 2607479
Conc: 18.13 ug/ml



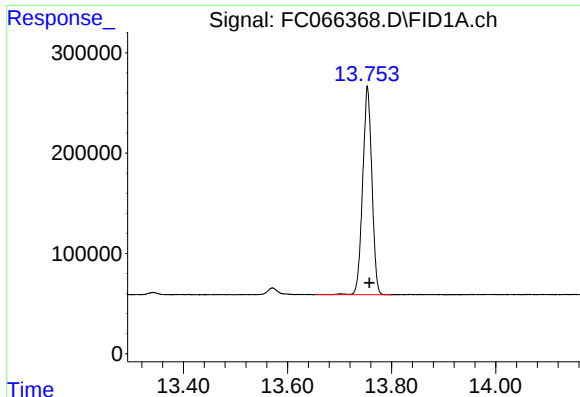
#11 n-Heneicosane (C21)

R.T.: 13.167 min
Delta R.T.: -0.004 min
Response: 2553479
Conc: 18.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.999 min
Delta R.T.: -0.003 min
Response: 2204148
Conc: 17.97 ug/ml



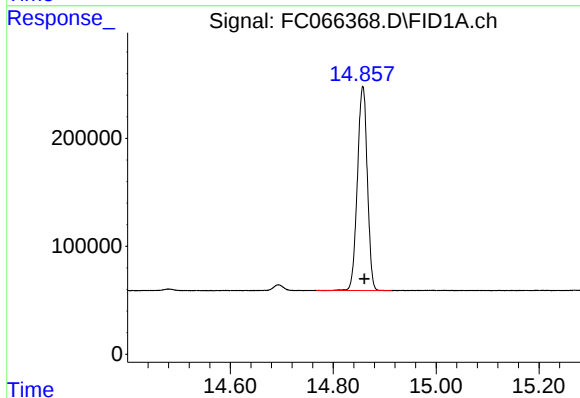
#13 n-Docosane (C22)

R.T.: 13.754 min
Delta R.T.: -0.003 min
Response: 2552034
Conc: 18.23 ug/ml

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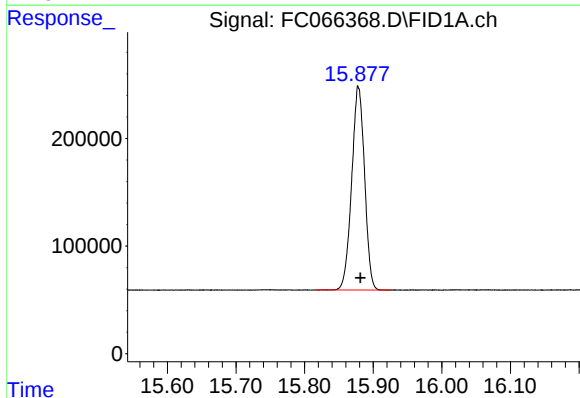
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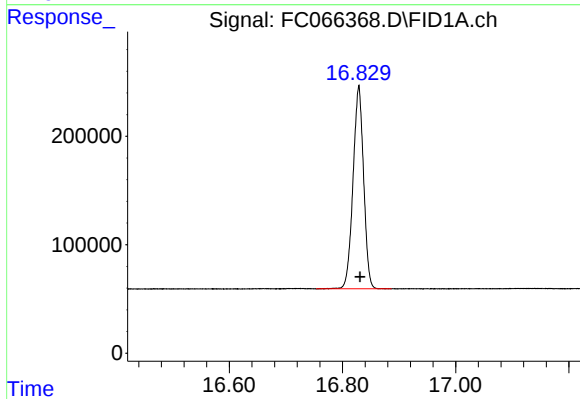
#14 n-Tetracosane (C24)

R.T.: 14.857 min
Delta R.T.: -0.003 min
Response: 2532447
Conc: 17.99 ug/ml



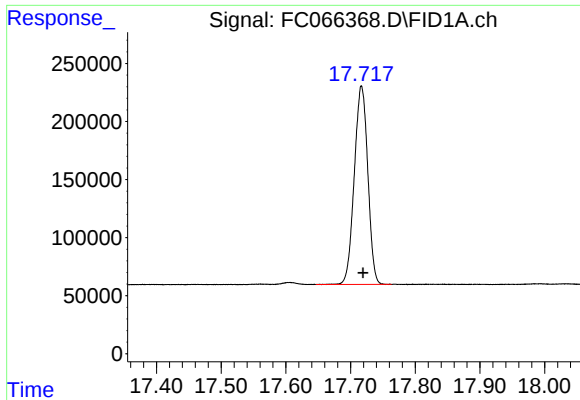
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.003 min
Response: 2468057
Conc: 18.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: -0.003 min
Response: 2421951
Conc: 18.09 ug/ml



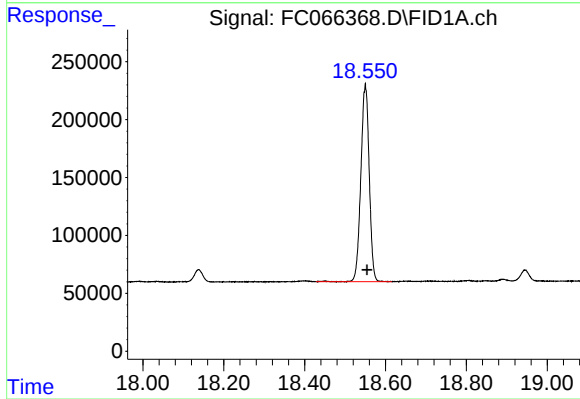
#17 n-Tricontane (C30)

R.T.: 17.717 min
Delta R.T.: -0.003 min
Response: 2478174
Conc: 18.39 ug/ml

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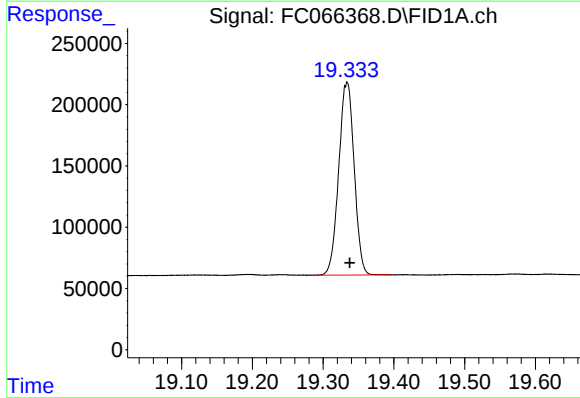
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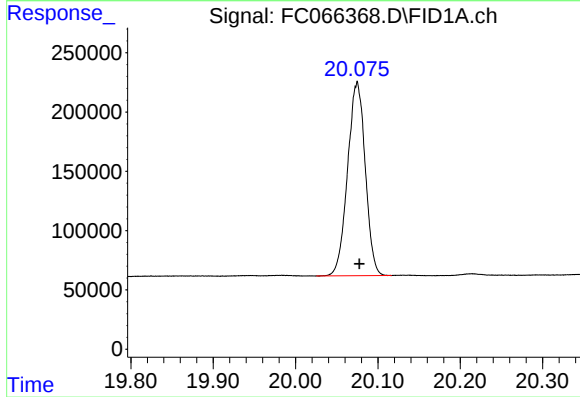
#18 n-Dotriacontane (C32)

R.T.: 18.550 min
Delta R.T.: -0.004 min
Response: 2439477
Conc: 18.95 ug/ml



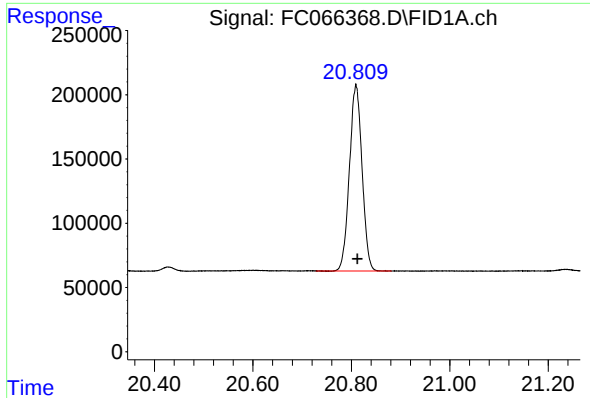
#19 n-Tetratriacontane (C34)

R.T.: 19.334 min
Delta R.T.: -0.004 min
Response: 2386630
Conc: 20.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.075 min
Delta R.T.: -0.003 min
Response: 2432308
Conc: 21.16 ug/ml



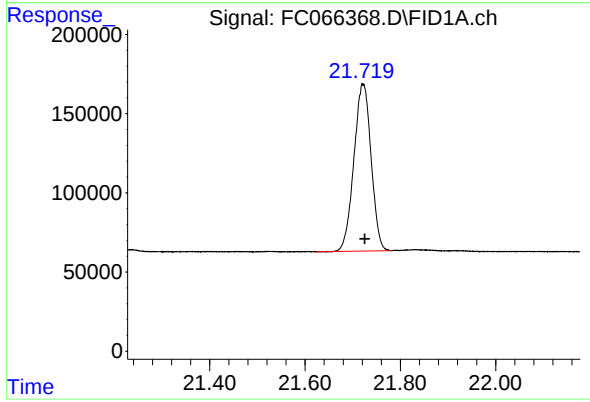
#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: -0.004 min
Response: 2574981
Conc: 23.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.722 min
Delta R.T.: -0.003 min
Response: 2639439
Conc: 24.61 ug/ml