

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061024AL\
 Data File : FC066576.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jun 2024 15:19
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/11/2024
 Supervised By :Ankita Jodhani 06/11/2024

Integration File: autoint1.e
 Quant Time: Jun 10 23:27:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052824.M
 Quant Title : GC Extractables
 QLast Update : Tue May 28 12:26:07 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)	11.549	3138728	20.650 ug/ml
Spiked Amount 50.000		Recovery =	41.30%
12) S 1-chlorooctadecane (S...	12.986	2335634	20.440 ug/ml
Spiked Amount 50.000		Recovery =	40.88%
Target Compounds			
1) T n-Nonane (C9)	3.305	2868999	20.499 ug/ml
2) T n-Decane (C10)	4.372	2945967	20.475 ug/ml
3) T A~Naphthalene (C11.7)	5.957	3210735	20.149 ug/ml
4) T n-Dodecane (C12)	6.392	2925139	20.314 ug/ml
5) T A~2-methylnaphthalene...	7.014	3078710	20.074 ug/ml
6) T n-Tetradecane (C14)	8.188	2863932	20.287 ug/ml
7) T n-Hexadecane (C16)	9.789	2945994	20.499 ug/ml
8) T n-Octadecane (C18)	11.232	2952605	20.632 ug/ml
10) T n-Eicosane (C20)	12.542	2802953	20.600 ug/ml
11) T n-Heneicosane (C21)	13.154	2736960	20.532 ug/ml
13) T n-Docosane (C22)	13.740	2716114	20.608 ug/ml
14) T n-Tetracosane (C24)	14.843	2666398	20.483 ug/ml
15) T n-Hexacosane (C26)	15.864	2578505	20.275 ug/ml
16) T n-Octacosane (C28)	16.815	2550279	20.542 ug/ml
17) T n-Tricontane (C30)	17.703	2656911	21.082 ug/ml
18) T n-Dotriacontane (C32)	18.536	2600940	21.132 ug/ml
19) T n-Tetratriacontane (C34)	19.319	2455203	20.473 ug/mlm
20) T n-Hexatriacontane (C36)	20.059	2306475	19.037 ug/ml
21) T n-Octatriacontane (C38)	20.792	2180586	18.850 ug/mlm
22) T n-Tetracontane (C40)	21.703	2066882	16.873 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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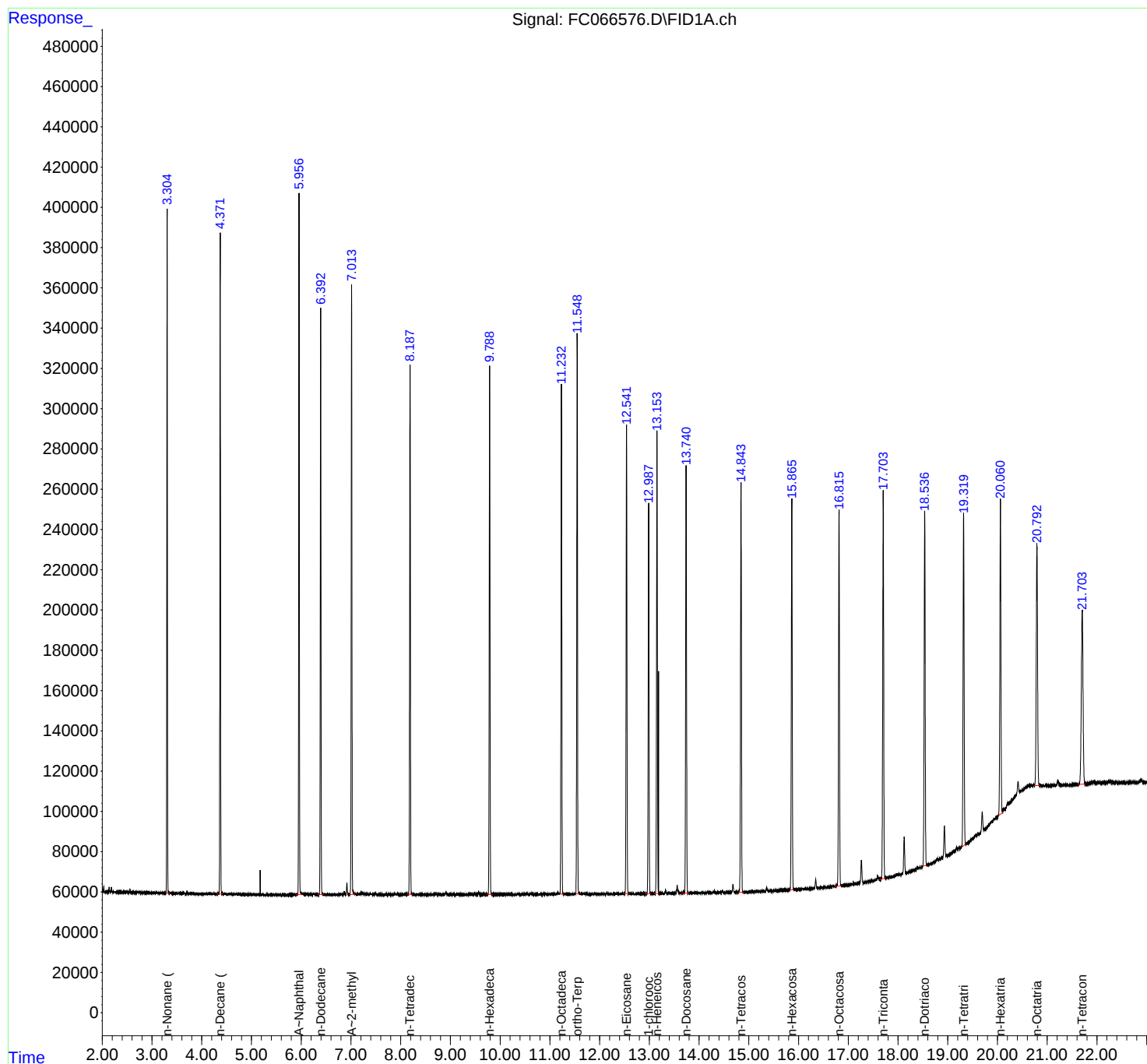
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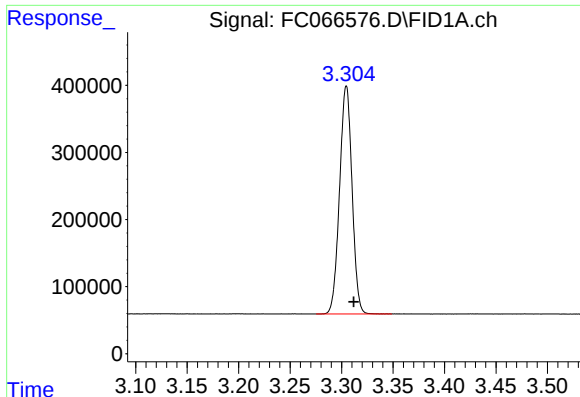
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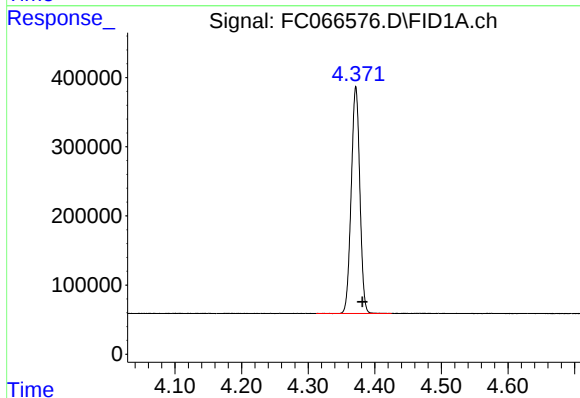
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: -0.007 min
Response: 2868999
Conc: 20.50 ug/ml

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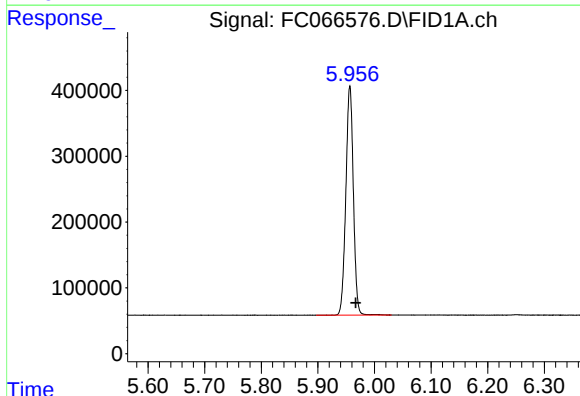
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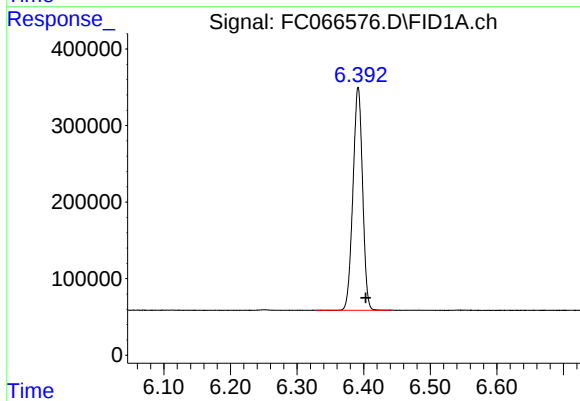
#2 n-Decane (C10)

R.T.: 4.372 min
Delta R.T.: -0.010 min
Response: 2945967
Conc: 20.47 ug/ml



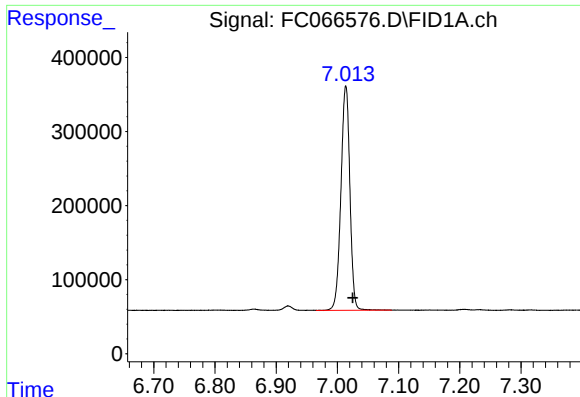
#3 A~Naphthalene (C11.7)

R.T.: 5.957 min
Delta R.T.: -0.010 min
Response: 3210735
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: -0.012 min
Response: 2925139
Conc: 20.31 ug/ml



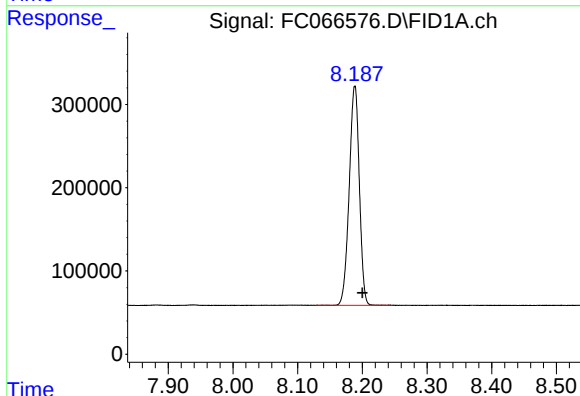
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.014 min
Delta R.T.: -0.011 min
Response: 3078710
Conc: 20.07 ug/ml

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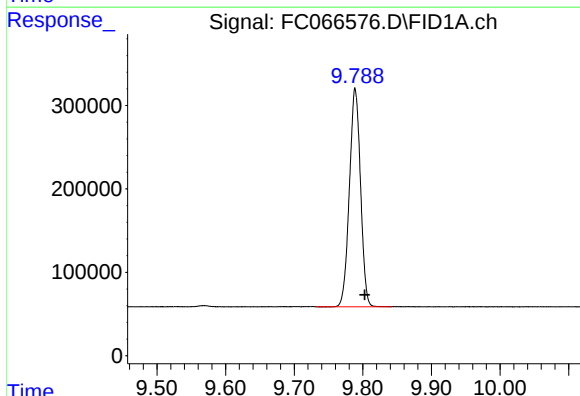
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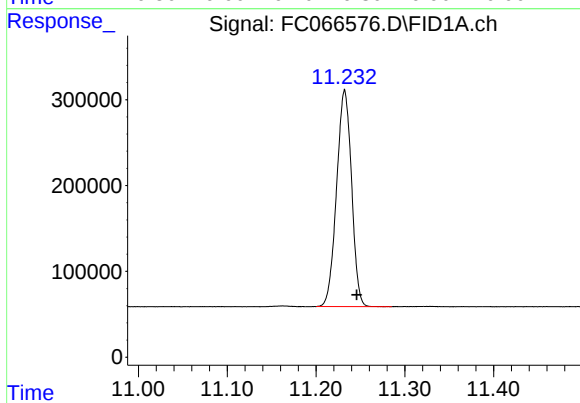
#6 n-Tetradecane (C14)

R.T.: 8.188 min
Delta R.T.: -0.012 min
Response: 2863932
Conc: 20.29 ug/ml



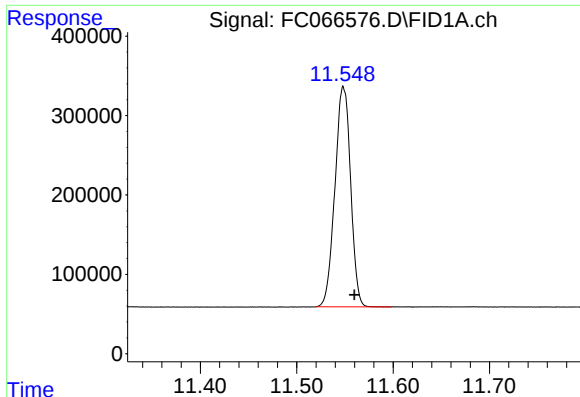
#7 n-Hexadecane (C16)

R.T.: 9.789 min
Delta R.T.: -0.014 min
Response: 2945994
Conc: 20.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.232 min
Delta R.T.: -0.014 min
Response: 2952605
Conc: 20.63 ug/ml



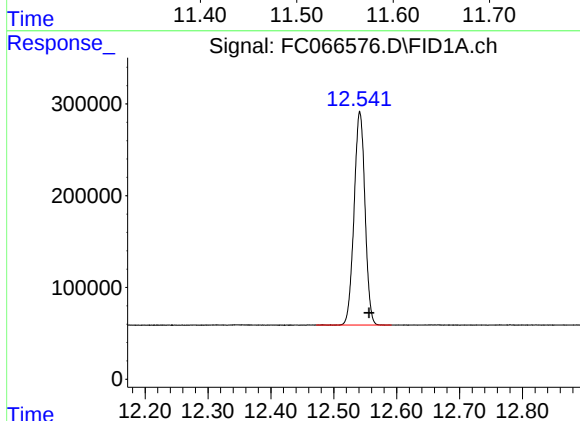
#9 ortho-Terphenyl (SURR)

R.T.: 11.549 min
Delta R.T.: -0.011 min
Response: 3138728
Conc: 20.65 ug/ml

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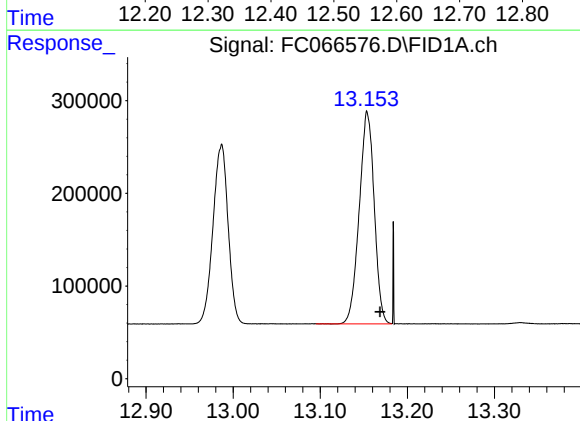
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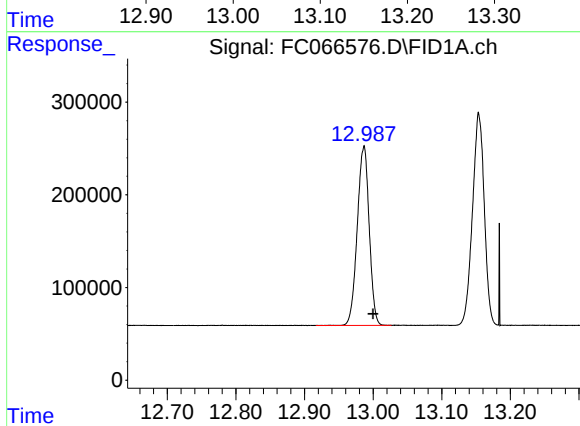
#10 n-Eicosane (C20)

R.T.: 12.542 min
Delta R.T.: -0.015 min
Response: 2802953
Conc: 20.60 ug/ml



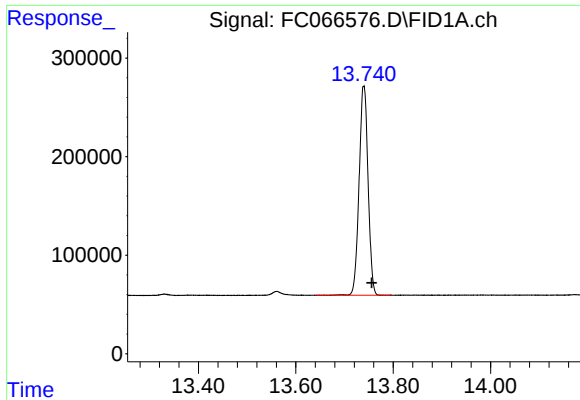
#11 n-Heneicosane (C21)

R.T.: 13.154 min
Delta R.T.: -0.014 min
Response: 2736960
Conc: 20.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.986 min
Delta R.T.: -0.014 min
Response: 2335634
Conc: 20.44 ug/ml



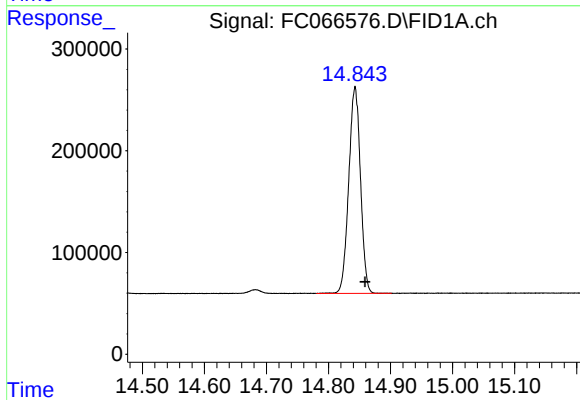
#13 n-Docosane (C22)

R.T.: 13.740 min
Delta R.T.: -0.016 min
Response: 2716114
Conc: 20.61 ug/ml

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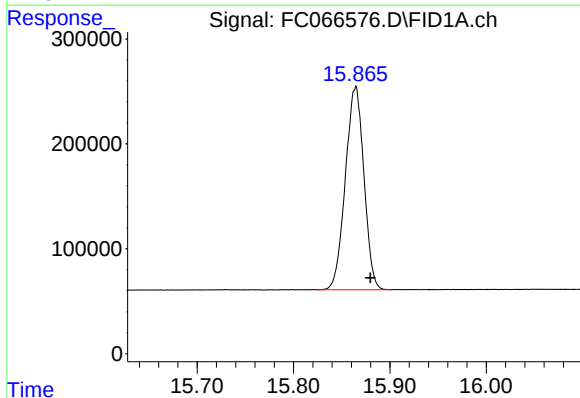
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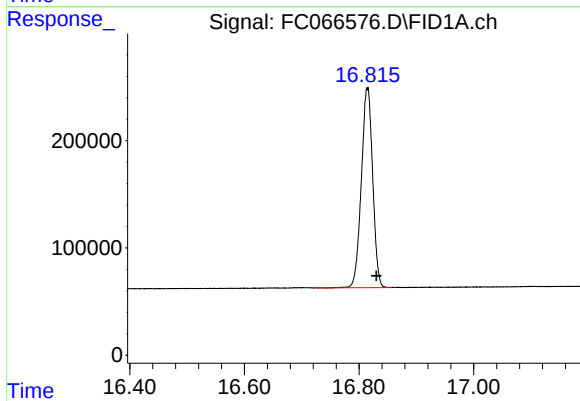
#14 n-Tetracosane (C24)

R.T.: 14.843 min
Delta R.T.: -0.016 min
Response: 2666398
Conc: 20.48 ug/ml



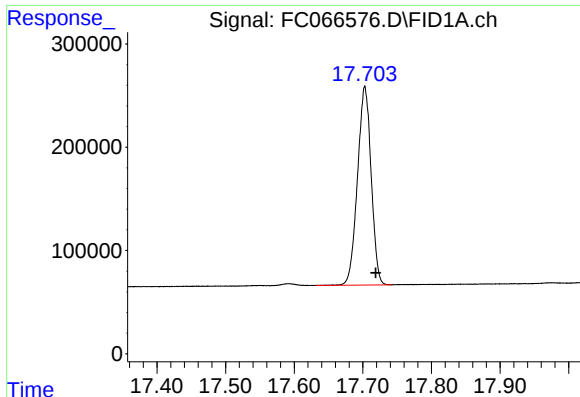
#15 n-Hexacosane (C26)

R.T.: 15.864 min
Delta R.T.: -0.016 min
Response: 2578505
Conc: 20.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.815 min
Delta R.T.: -0.015 min
Response: 2550279
Conc: 20.54 ug/ml



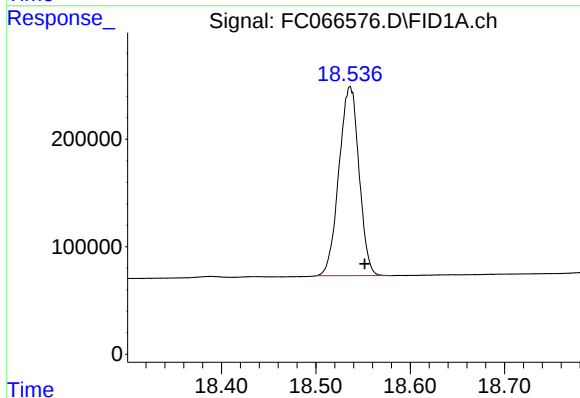
#17 n-Tricontane (C30)

R.T.: 17.703 min
Delta R.T.: -0.016 min
Response: 2656911
Conc: 21.08 ug/ml

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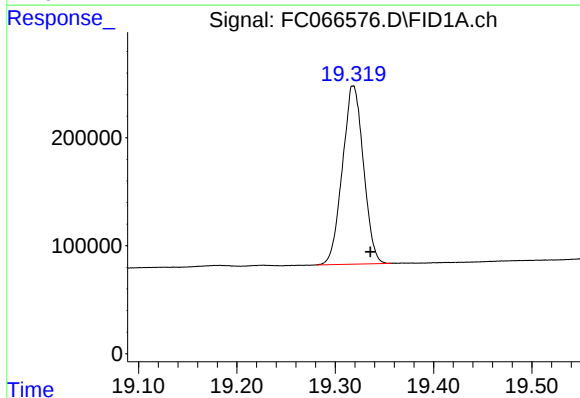
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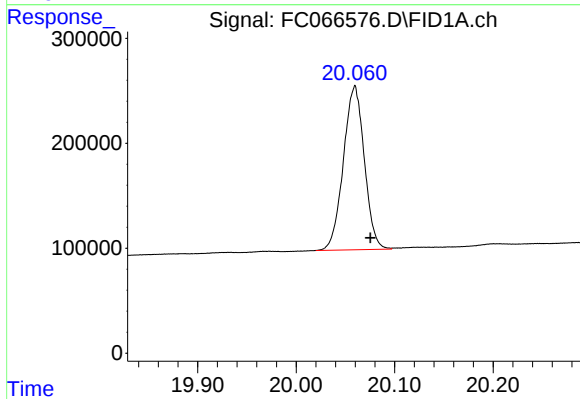
#18 n-Dotriacontane (C32)

R.T.: 18.536 min
Delta R.T.: -0.016 min
Response: 2600940
Conc: 21.13 ug/ml



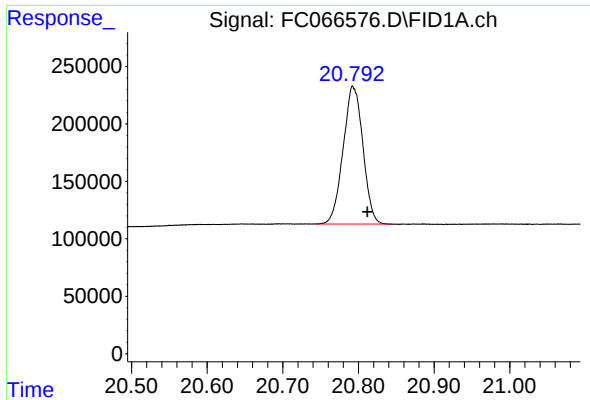
#19 n-Tetratriacontane (C34)

R.T.: 19.319 min
Delta R.T.: -0.017 min
Response: 2455203
Conc: 20.47 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.059 min
Delta R.T.: -0.016 min
Response: 2306475
Conc: 19.04 ug/ml



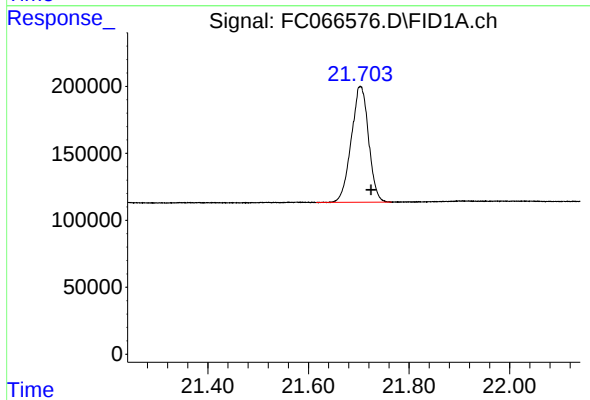
#21 n-Octatriacontane (C38)

R.T.: 20.792 min
Delta R.T.: -0.020 min
Response: 2180586
Conc: 18.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.703 min
Delta R.T.: -0.021 min
Response: 2066882
Conc: 16.87 ug/ml