

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071224AL\
 Data File : FC066775.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jul 2024 07:28
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/15/2024
 Supervised By :Ankita Jodhani 07/15/2024

Integration File: autoint1.e
 Quant Time: Jul 13 01:49:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061724.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 17 13:44:39 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)	11.524	3057061	17.723 ug/ml
Spiked Amount 50.000		Recovery =	35.45%
12) S 1-chlorooctadecane (S...	12.963	2310871	16.748 ug/ml
Spiked Amount 50.000		Recovery =	33.50%
Target Compounds			
1) T n-Nonane (C9)	3.287	2771681	19.076 ug/ml
2) T n-Decane (C10)	4.355	2907874	19.495 ug/ml
3) T A~Naphthalene (C11.7)	5.937	3137931	19.327 ug/ml
4) T n-Dodecane (C12)	6.374	2898105	19.122 ug/ml
5) T A~2-methylnaphthalene...	6.994	3014953	18.978 ug/ml
6) T n-Tetradecane (C14)	8.169	2821441	18.600 ug/ml
7) T n-Hexadecane (C16)	9.769	2925472	18.263 ug/ml
8) T n-Octadecane (C18)	11.211	2905200	17.509 ug/ml
10) T n-Eicosane (C20)	12.520	2769296	17.035 ug/ml
11) T n-Heneicosane (C21)	13.131	2714936	16.850 ug/ml
13) T n-Docosane (C22)	13.718	2713288	16.924 ug/ml
14) T n-Tetracosane (C24)	14.820	2735744	17.238 ug/ml
15) T n-Hexacosane (C26)	15.841	2760928	18.081 ug/ml
16) T n-Octacosane (C28)	16.790	2810048	19.481 ug/mlm
17) T n-Tricontane (C30)	17.679	3108078	22.246 ug/ml
18) T n-Dotriacontane (C32)	18.510	3140212	23.794 ug/ml
19) T n-Tetratriacontane (C34)	19.293	2986573	24.149 ug/ml
20) T n-Hexatriacontane (C36)	20.032	2659564	22.067 ug/ml
21) T n-Octatriacontane (C38)	20.760	2575448	22.523 ug/ml
22) T n-Tetracontane (C40)	21.657	2451277	21.826 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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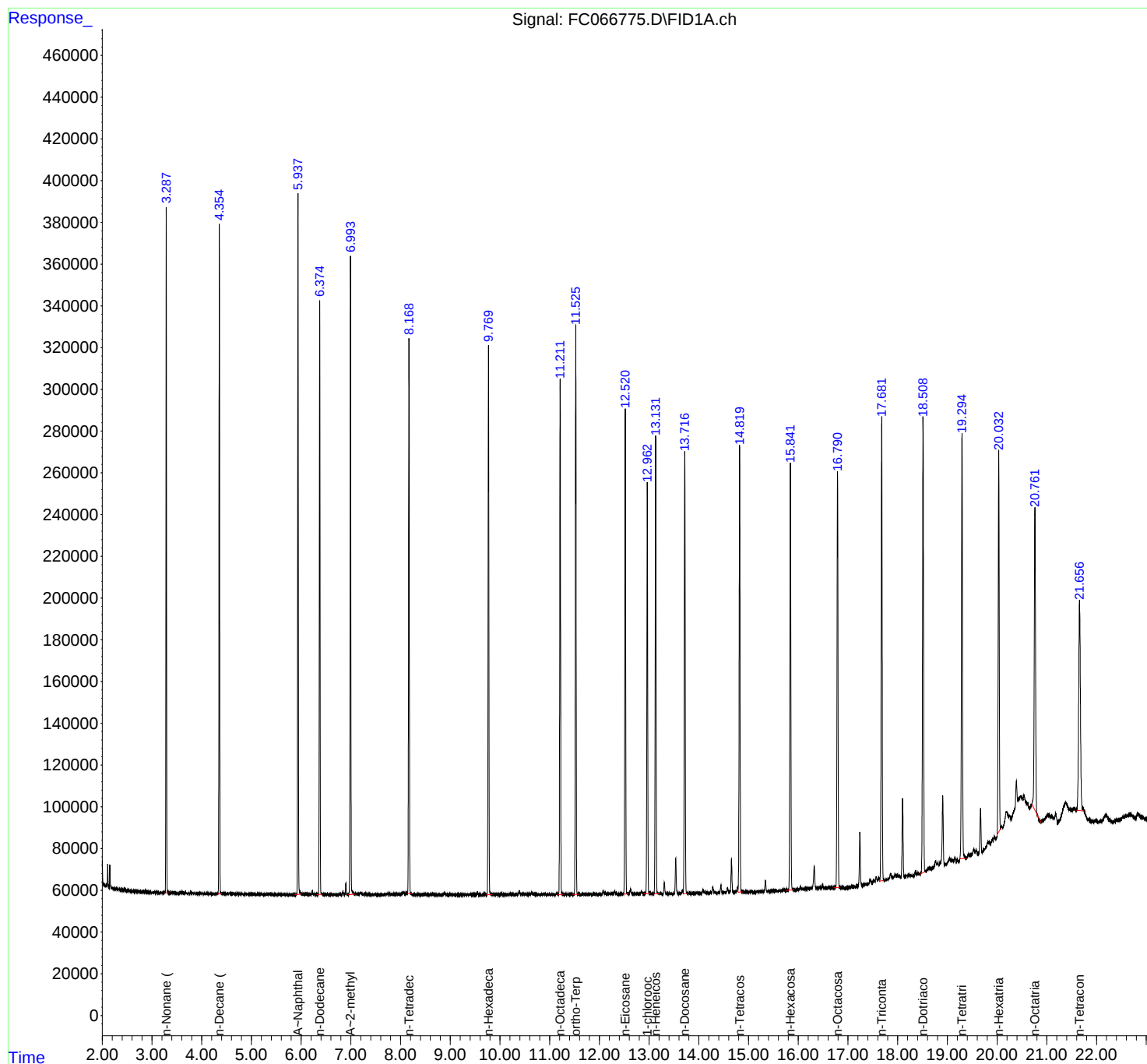
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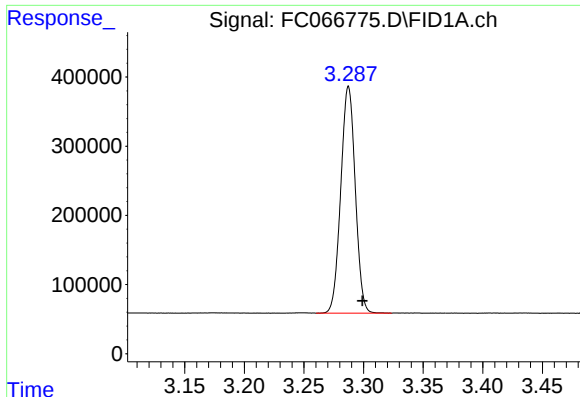
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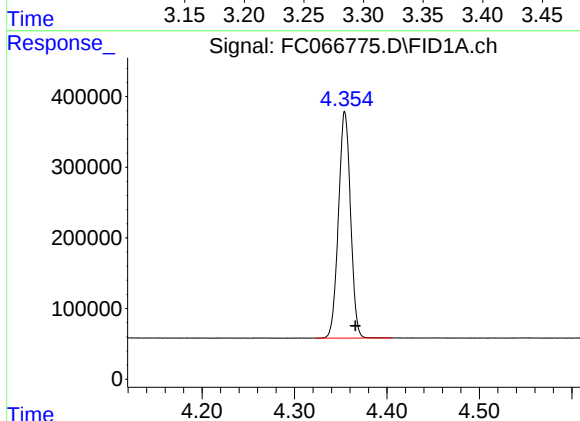
#1 n-Nonane (C9)

R.T.: 3.287 min
Delta R.T.: -0.012 min
Response: 2771681
Conc: 19.08 ug/ml

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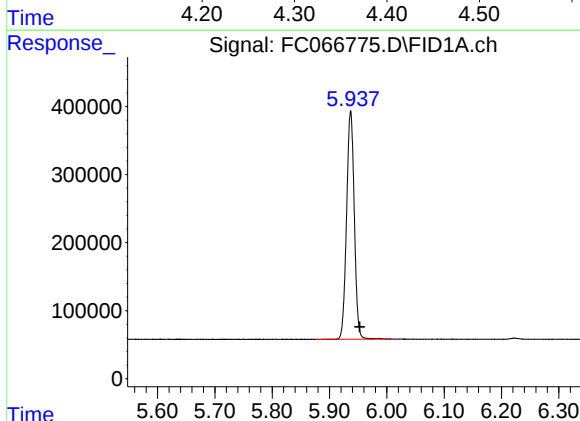
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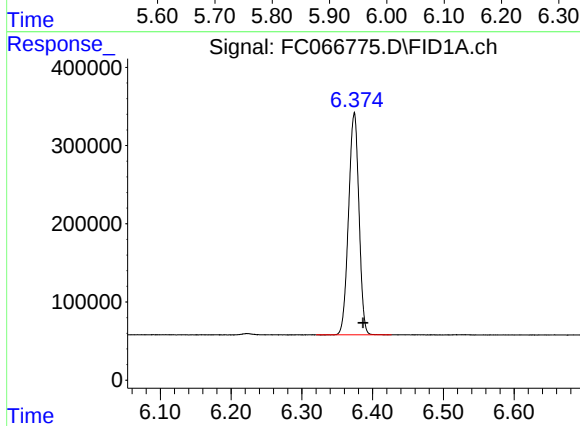
#2 n-Decane (C10)

R.T.: 4.355 min
Delta R.T.: -0.011 min
Response: 2907874
Conc: 19.49 ug/ml



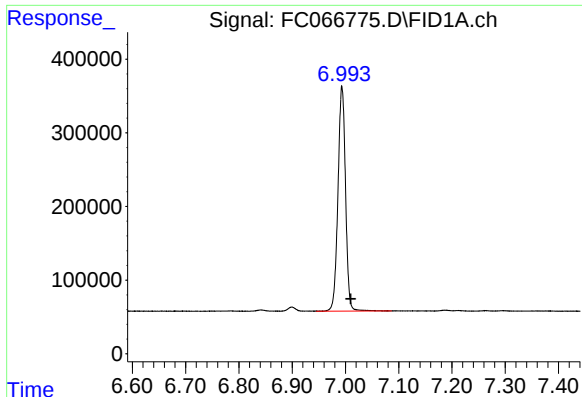
#3 A~Naphthalene (C11.7)

R.T.: 5.937 min
Delta R.T.: -0.016 min
Response: 3137931
Conc: 19.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.374 min
Delta R.T.: -0.013 min
Response: 2898105
Conc: 19.12 ug/ml



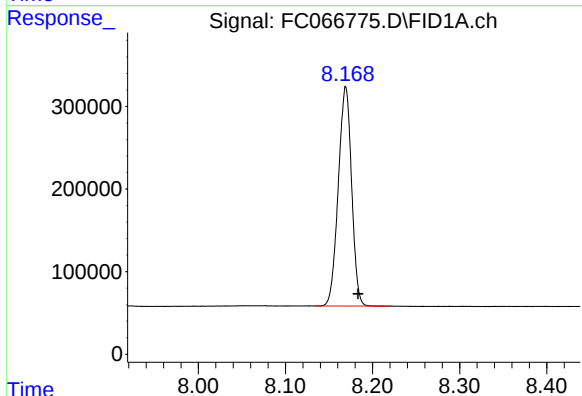
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.994 min
Delta R.T.: -0.016 min
Response: 3014953
Conc: 18.98 ug/ml

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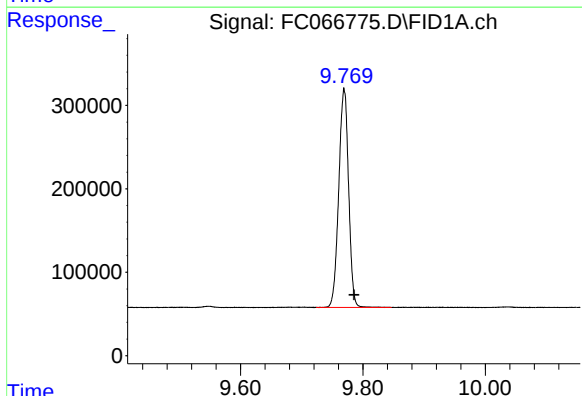
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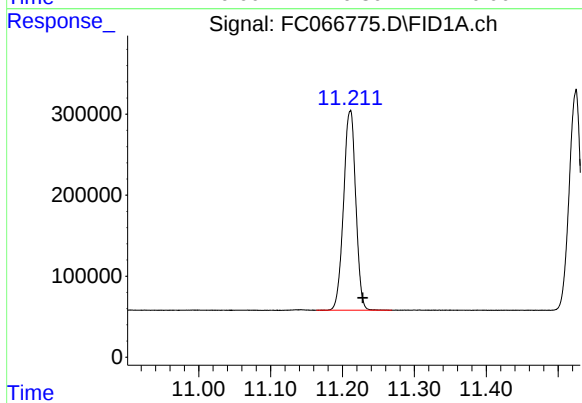
#6 n-Tetradecane (C14)

R.T.: 8.169 min
Delta R.T.: -0.015 min
Response: 2821441
Conc: 18.60 ug/ml



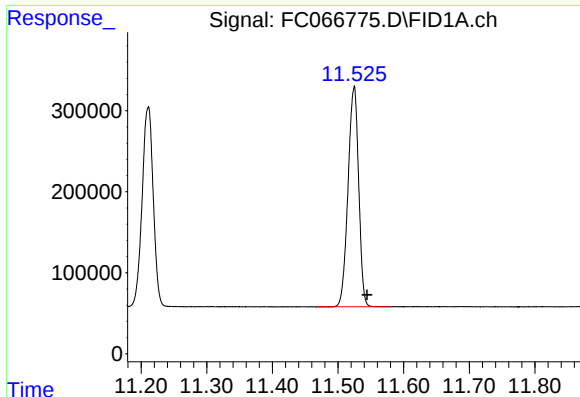
#7 n-Hexadecane (C16)

R.T.: 9.769 min
Delta R.T.: -0.016 min
Response: 2925472
Conc: 18.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.211 min
Delta R.T.: -0.018 min
Response: 2905200
Conc: 17.51 ug/ml



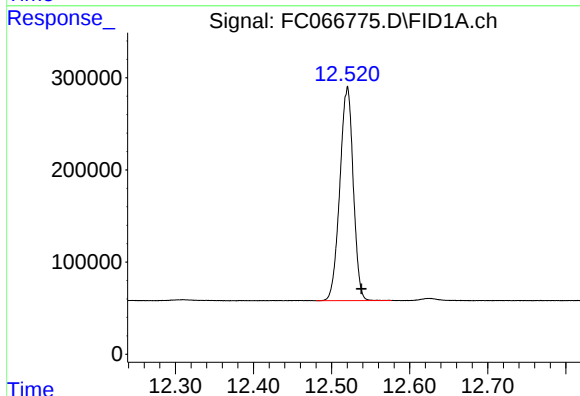
#9 ortho-Terphenyl (SURR)

R.T.: 11.524 min
Delta R.T.: -0.020 min
Response: 3057061
Conc: 17.72 ug/ml

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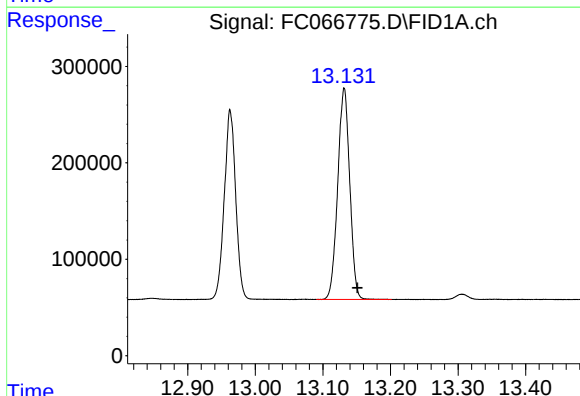
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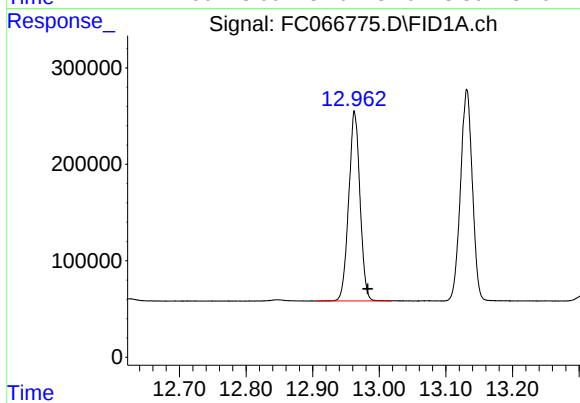
#10 n-Eicosane (C20)

R.T.: 12.520 min
Delta R.T.: -0.018 min
Response: 2769296
Conc: 17.03 ug/ml



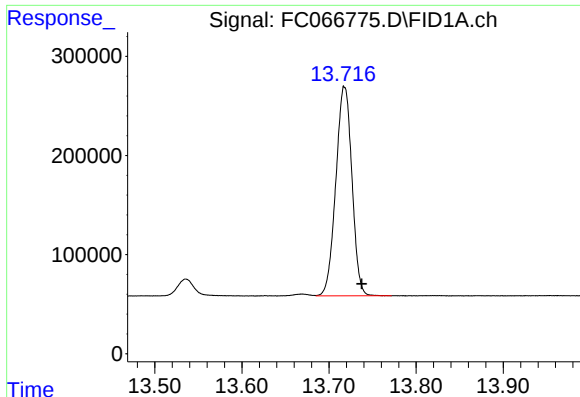
#11 n-Heneicosane (C21)

R.T.: 13.131 min
Delta R.T.: -0.019 min
Response: 2714936
Conc: 16.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.963 min
Delta R.T.: -0.019 min
Response: 2310871
Conc: 16.75 ug/ml



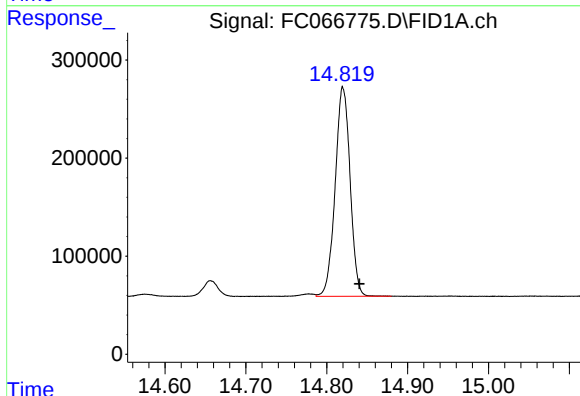
#13 n-Docosane (C22)

R.T.: 13.718 min
Delta R.T.: -0.020 min
Response: 2713288
Conc: 16.92 ug/ml

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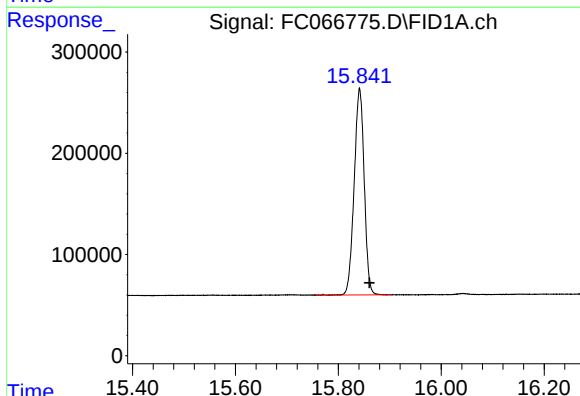
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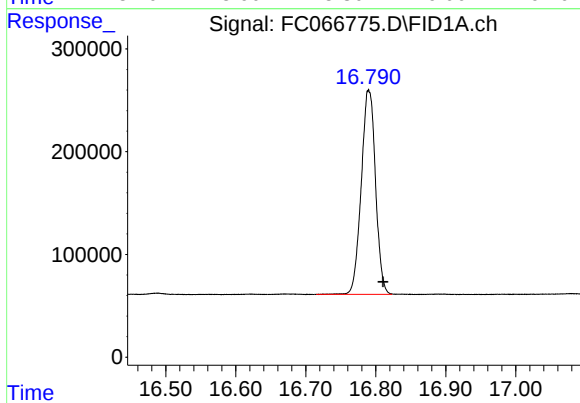
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: -0.020 min
Response: 2735744
Conc: 17.24 ug/ml



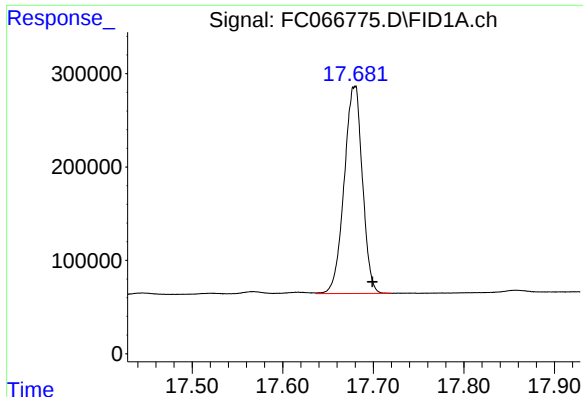
#15 n-Hexacosane (C26)

R.T.: 15.841 min
Delta R.T.: -0.019 min
Response: 2760928
Conc: 18.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.790 min
Delta R.T.: -0.021 min
Response: 2810048
Conc: 19.48 ug/ml m



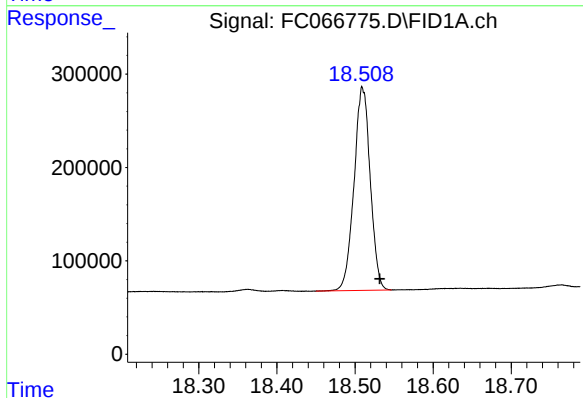
#17 n-Tricontane (C30)

R.T.: 17.679 min
Delta R.T.: -0.020 min
Response: 3108078
Conc: 22.25 ug/ml

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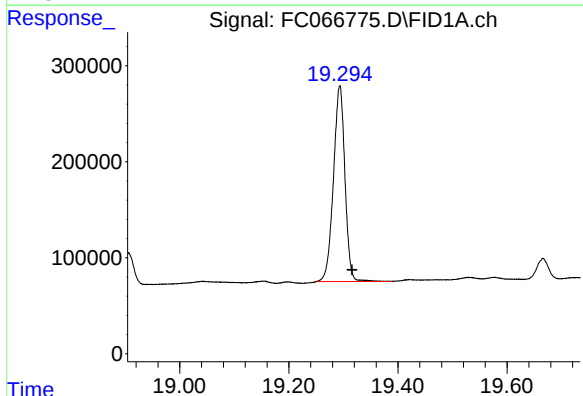
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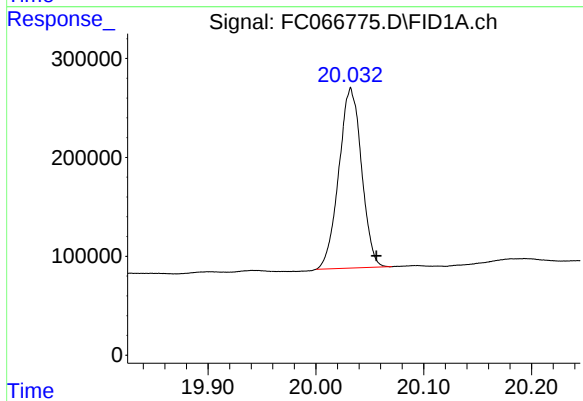
#18 n-Dotriacontane (C32)

R.T.: 18.510 min
Delta R.T.: -0.022 min
Response: 3140212
Conc: 23.79 ug/ml



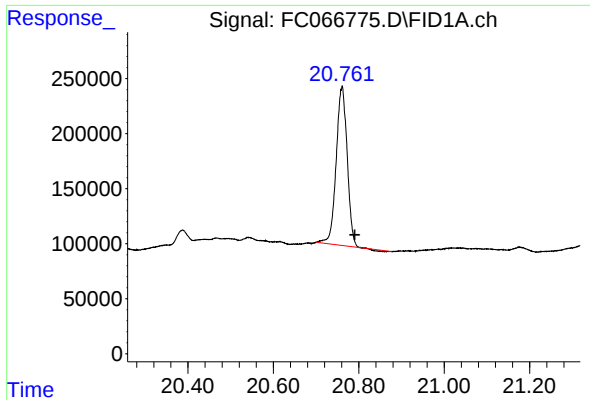
#19 n-Tetratriacontane (C34)

R.T.: 19.293 min
Delta R.T.: -0.022 min
Response: 2986573
Conc: 24.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.032 min
Delta R.T.: -0.024 min
Response: 2659564
Conc: 22.07 ug/ml



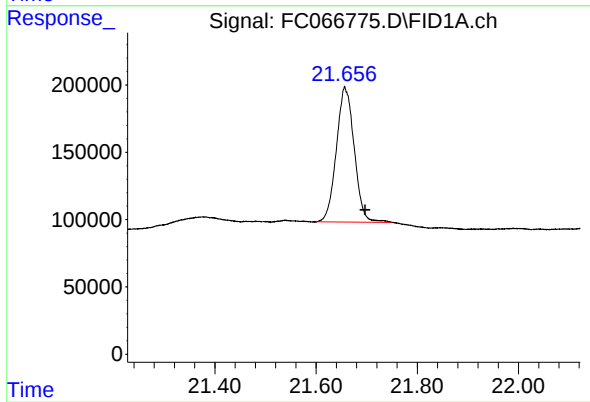
#21 n-Octatriacontane (C38)

R.T.: 20.760 min
Delta R.T.: -0.031 min
Response: 2575448
Conc: 22.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.657 min
Delta R.T.: -0.040 min
Response: 2451277
Conc: 21.83 ug/ml