

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120224AL\
 Data File : FC067898.D
 Signal(s) : FID1A.ch
 Acq On : 02 Dec 2024 22:04
 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 12/03/2024
 Supervised By :Ankita Jodhani 12/03/2024

Integration File: autoint1.e
 Quant Time: Dec 03 00:04:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 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)	11.504	3580765	18.469 ug/ml
Spiked Amount 50.000		Recovery =	36.94%
12) S 1-chlorooctadecane (S...	12.940	2689888	18.530 ug/ml
Spiked Amount 50.000		Recovery =	37.06%
Target Compounds			
1) T n-Nonane (C9)	3.292	3159343	19.369 ug/ml
2) T n-Decane (C10)	4.354	3290911	19.845 ug/ml
3) T A~Naphthalene (C11.7)	5.930	3618009	19.754 ug/ml
4) T n-Dodecane (C12)	6.366	3356325	19.927 ug/ml
5) T A~2-methylnaphthalene...	6.984	3508305	19.781 ug/ml
6) T n-Tetradecane (C14)	8.156	3334355	19.910 ug/ml
7) T n-Hexadecane (C16)	9.754	3414763	19.705 ug/ml
8) T n-Octadecane (C18)	11.192	3404809	19.352 ug/ml
10) T n-Eicosane (C20)	12.498	3226980	19.164 ug/ml
11) T n-Heneicosane (C21)	13.109	3071400	18.667 ug/ml
13) T n-Docosane (C22)	13.693	3174609	19.494 ug/ml
14) T n-Tetracosane (C24)	14.795	3349872	20.887 ug/ml
15) T n-Hexacosane (C26)	15.814	3426185	22.124 ug/ml
16) T n-Octacosane (C28)	16.762	3417066	22.626 ug/ml
17) T n-Tricontane (C30)	17.647	3494451	22.823 ug/ml
18) T n-Dotriacontane (C32)	18.477	3302640	22.362 ug/ml
19) T n-Tetratriacontane (C34)	19.260	2662732	21.111 ug/ml
20) T n-Hexatriacontane (C36)	19.997	2222059	21.246 ug/ml
21) T n-Octatriacontane (C38)	20.719	1976253	20.231 ug/mlm
22) T n-Tetracontane (C40)	21.608	1905750	19.553 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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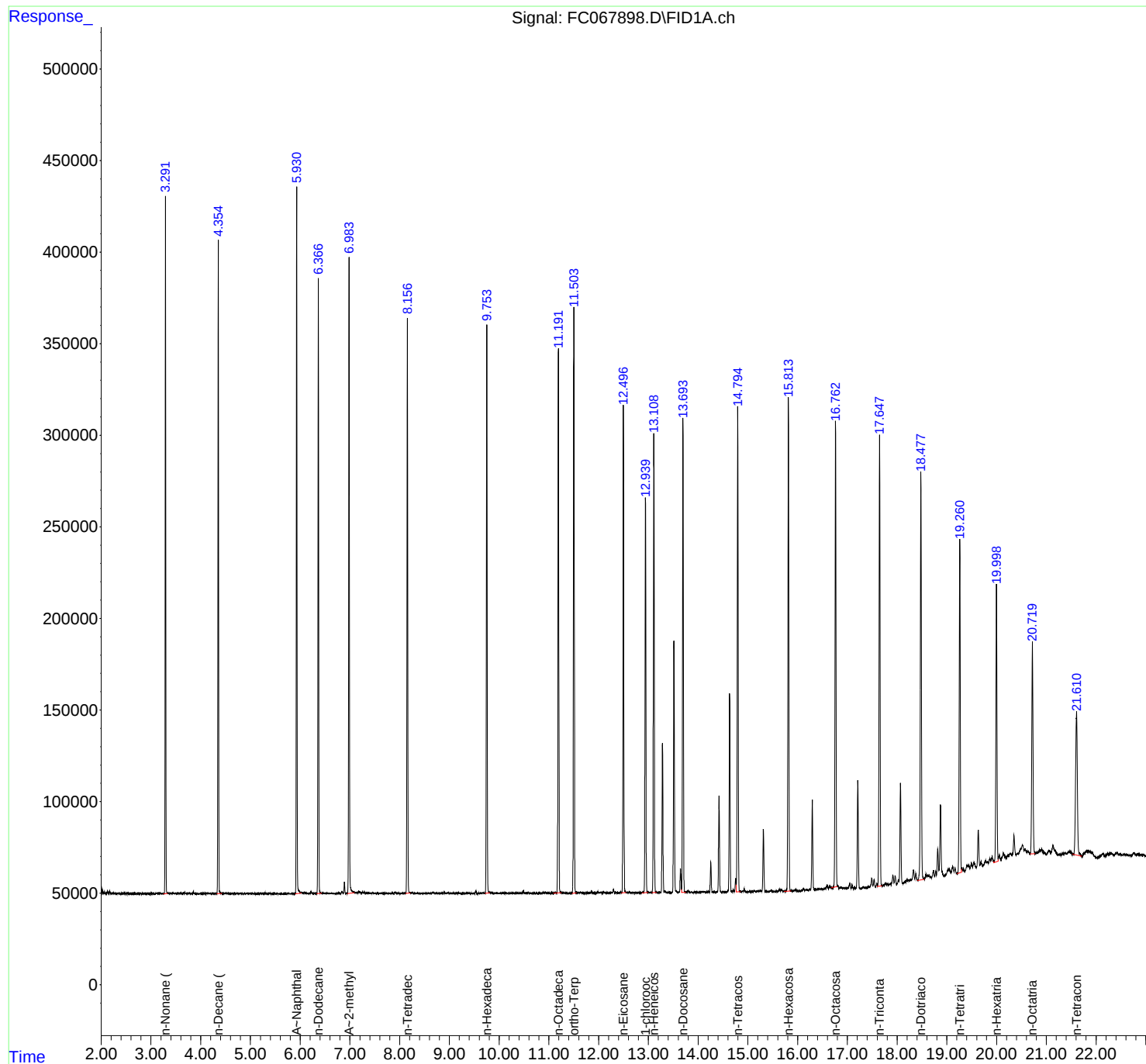
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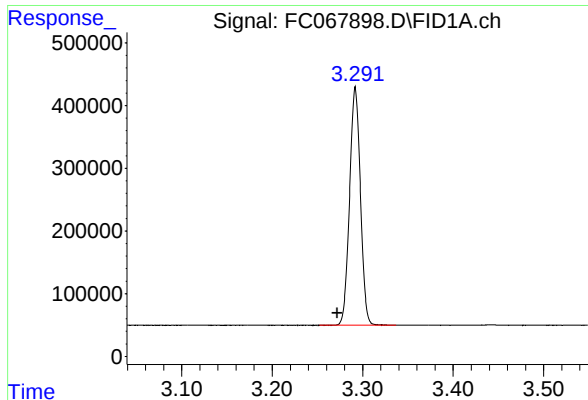
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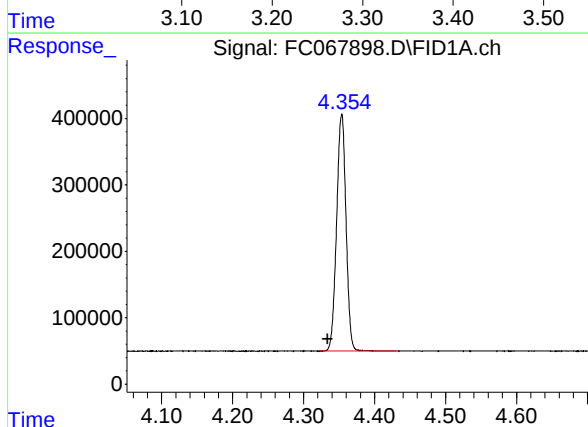
#1 n-Nonane (C9)

R.T.: 3.292 min
Delta R.T.: 0.020 min
Response: 3159343
Conc: 19.37 ug/ml

Instrument :
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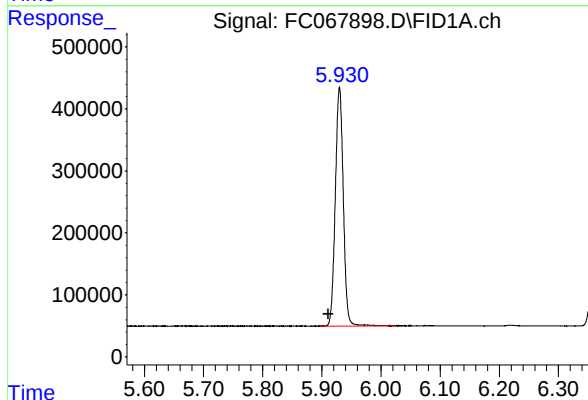
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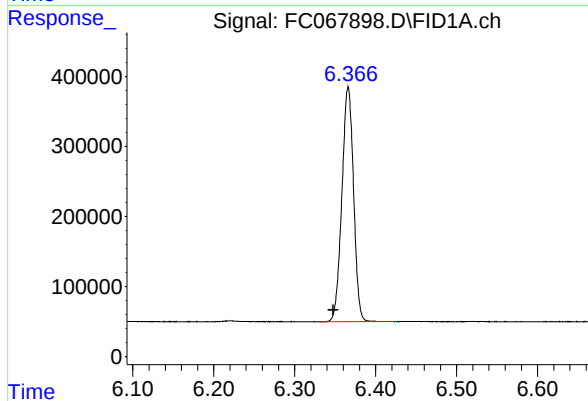
#2 n-Decane (C10)

R.T.: 4.354 min
Delta R.T.: 0.019 min
Response: 3290911
Conc: 19.84 ug/ml



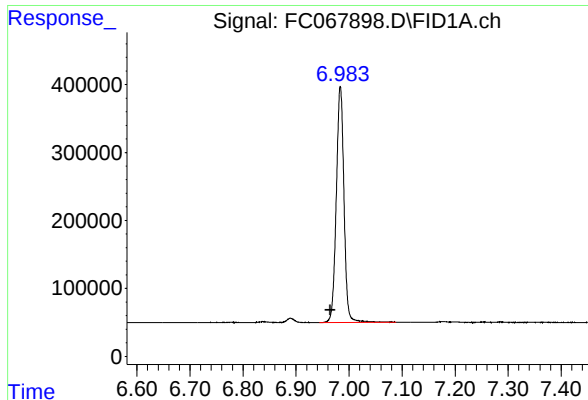
#3 A~Naphthalene (C11.7)

R.T.: 5.930 min
Delta R.T.: 0.019 min
Response: 3618009
Conc: 19.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.366 min
Delta R.T.: 0.019 min
Response: 3356325
Conc: 19.93 ug/ml



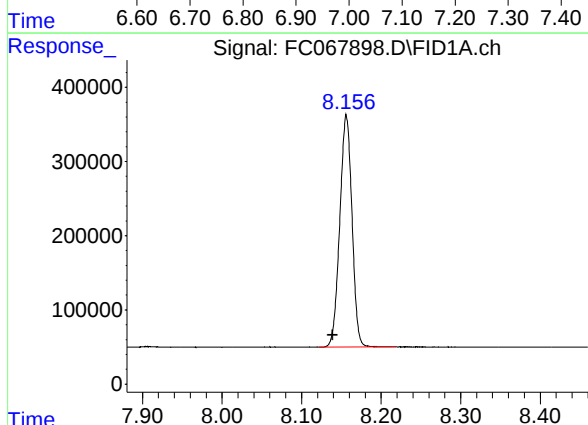
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.984 min
Delta R.T.: 0.019 min
Response: 3508305
Conc: 19.78 ug/ml

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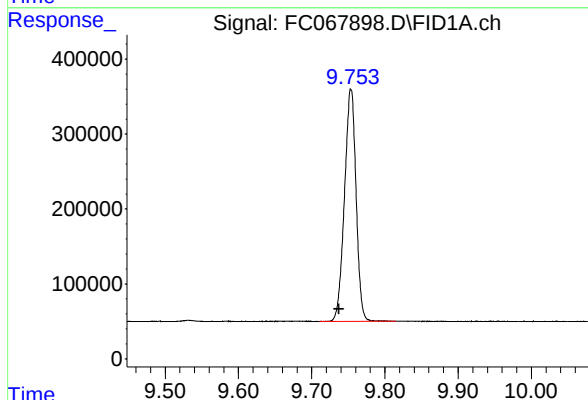
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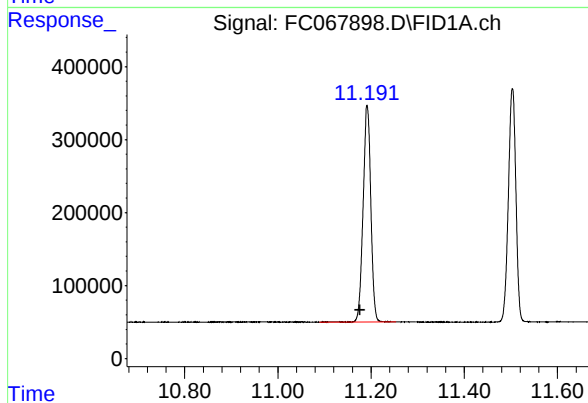
#6 n-Tetradecane (C14)

R.T.: 8.156 min
Delta R.T.: 0.017 min
Response: 3334355
Conc: 19.91 ug/ml



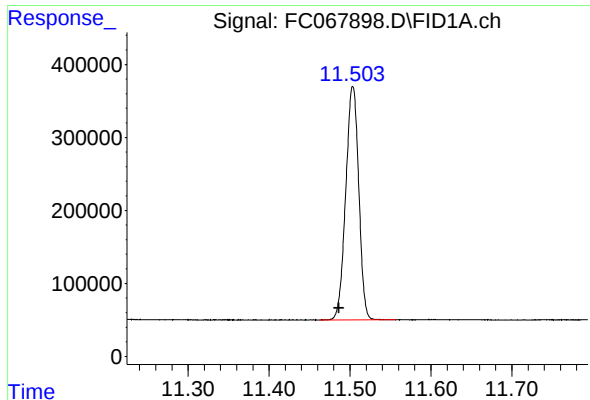
#7 n-Hexadecane (C16)

R.T.: 9.754 min
Delta R.T.: 0.016 min
Response: 3414763
Conc: 19.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.192 min
Delta R.T.: 0.016 min
Response: 3404809
Conc: 19.35 ug/ml



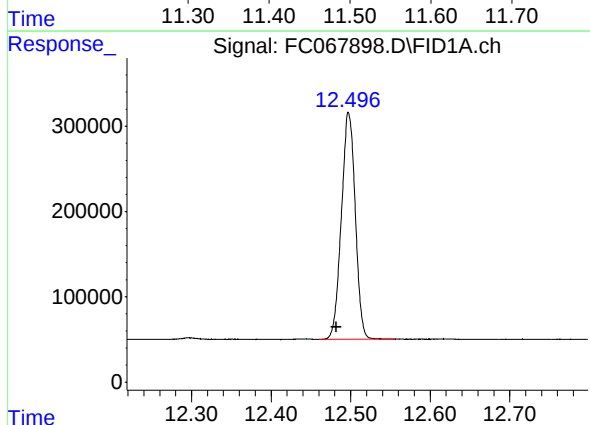
#9 ortho-Terphenyl (SURR)

R.T.: 11.504 min
Delta R.T.: 0.017 min
Response: 3580765
Conc: 18.47 ug/ml

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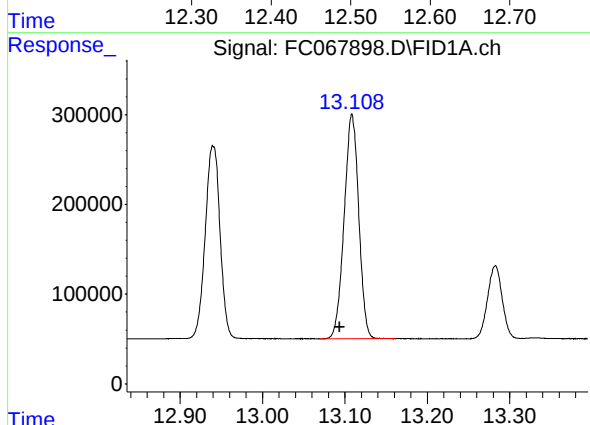
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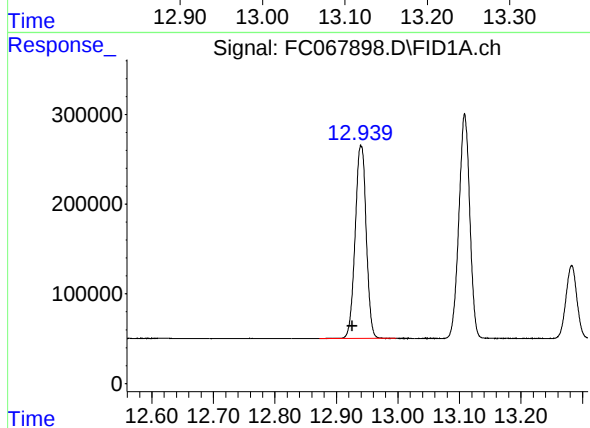
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: 0.016 min
Response: 3226980
Conc: 19.16 ug/ml



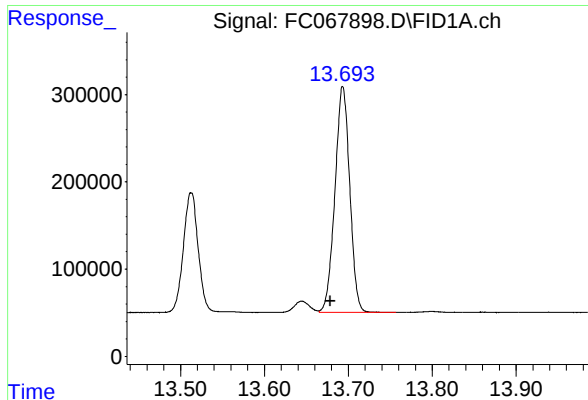
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: 0.015 min
Response: 3071400
Conc: 18.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.014 min
Response: 2689888
Conc: 18.53 ug/ml



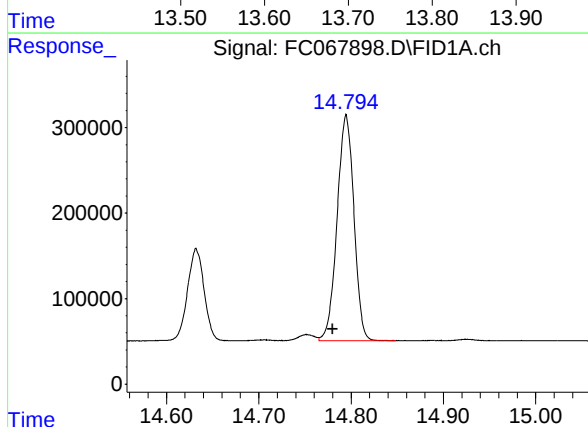
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: 0.015 min
Response: 3174609
Conc: 19.49 ug/ml

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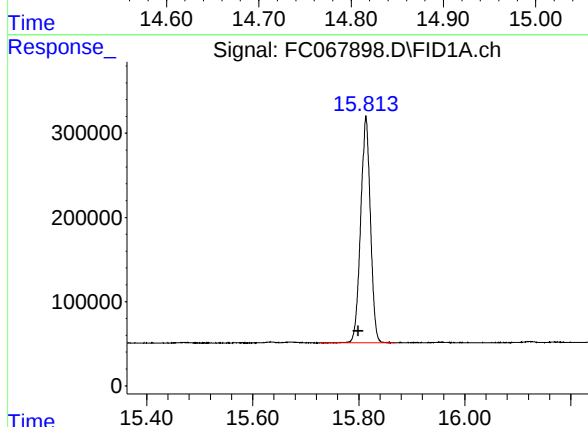
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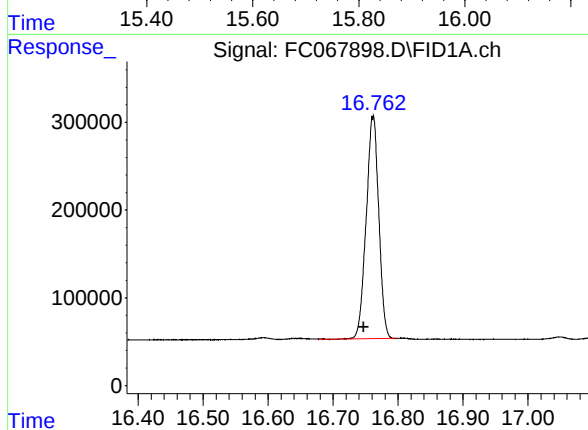
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.015 min
Response: 3349872
Conc: 20.89 ug/ml



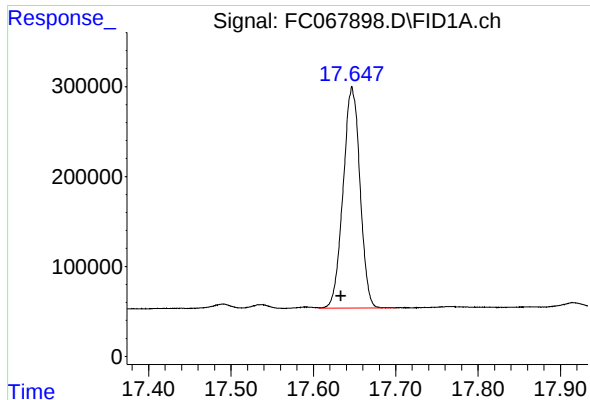
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.014 min
Response: 3426185
Conc: 22.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.015 min
Response: 3417066
Conc: 22.63 ug/ml



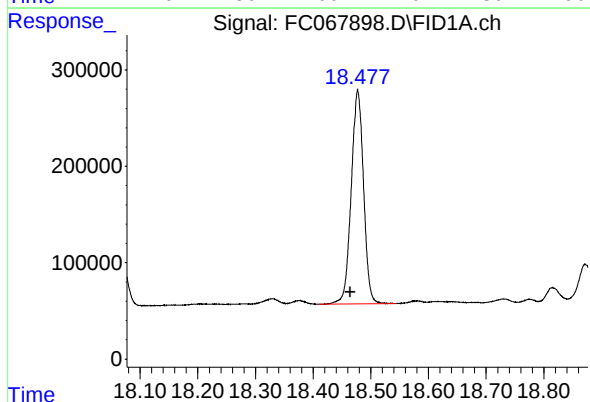
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.014 min
Response: 3494451
Conc: 22.82 ug/ml

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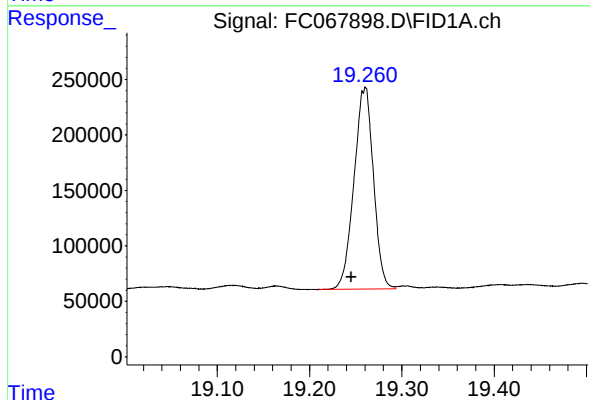
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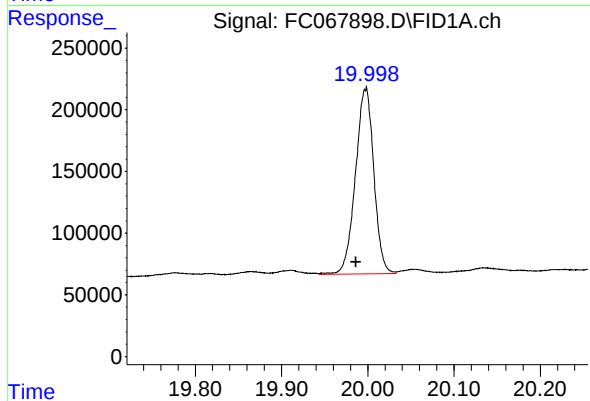
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.013 min
Response: 3302640
Conc: 22.36 ug/ml



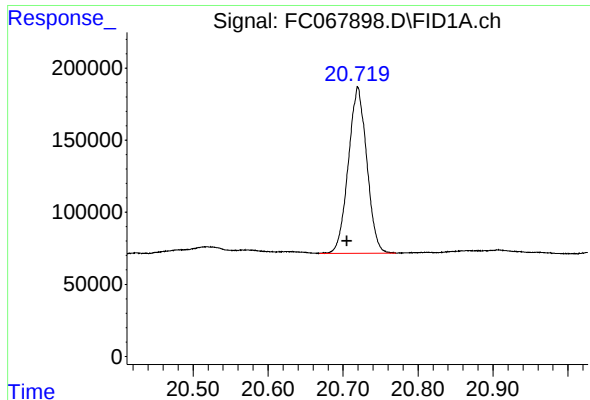
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.014 min
Response: 2662732
Conc: 21.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.997 min
Delta R.T.: 0.011 min
Response: 2222059
Conc: 21.25 ug/ml



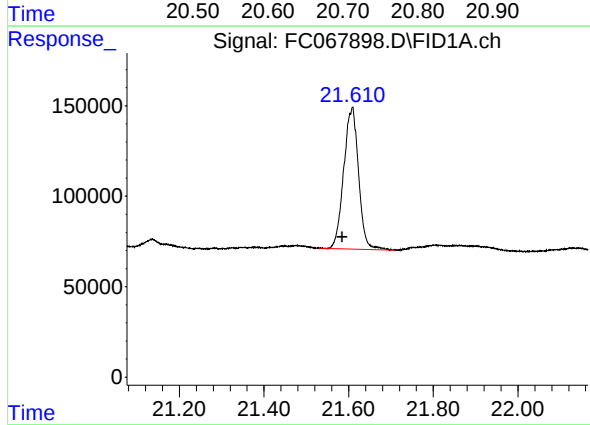
#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.014 min
Response: 1976253
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.023 min
Response: 1905750
Conc: 19.55 ug/ml