

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F112124AL\
 Data File : FC067845.D
 Signal(s) : FID1A.ch
 Acq On : 21 Nov 2024 14:23
 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 11/22/2024
 Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e
 Quant Time: Nov 22 00:26:00 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)	11.503	3640176	18.776 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
12) S 1-chlorooctadecane (S...	12.940	2726689	18.784 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
Target Compounds			
1) T n-Nonane (C9)	3.286	3025704	18.550 ug/ml
2) T n-Decane (C10)	4.349	3121911	18.826 ug/ml
3) T A~Naphthalene (C11.7)	5.926	3443758	18.802 ug/ml
4) T n-Dodecane (C12)	6.363	3187014	18.922 ug/ml
5) T A~2-methylnaphthalene...	6.980	3363922	18.967 ug/ml
6) T n-Tetradecane (C14)	8.154	3182073	19.001 ug/ml
7) T n-Hexadecane (C16)	9.752	3290955	18.990 ug/ml
8) T n-Octadecane (C18)	11.192	3348783	19.034 ug/ml
10) T n-Eicosane (C20)	12.498	3210093	19.064 ug/ml
11) T n-Heneicosane (C21)	13.108	3105589	18.875 ug/ml
13) T n-Docosane (C22)	13.694	3161118	19.411 ug/ml
14) T n-Tetracosane (C24)	14.795	3242216	20.216 ug/ml
15) T n-Hexacosane (C26)	15.814	3237892	20.908 ug/ml
16) T n-Octacosane (C28)	16.761	3180330	21.059 ug/mlm
17) T n-Tricontane (C30)	17.647	3155179	20.607 ug/mlm
18) T n-Dotriacontane (C32)	18.479	3006351	20.356 ug/ml
19) T n-Tetratriacontane (C34)	19.262	2493545	19.770 ug/mlm
20) T n-Hexatriacontane (C36)	19.999	2086546	19.950 ug/ml
21) T n-Octatriacontane (C38)	20.723	1983227	20.302 ug/mlm
22) T n-Tetracontane (C40)	21.611	2091342	21.457 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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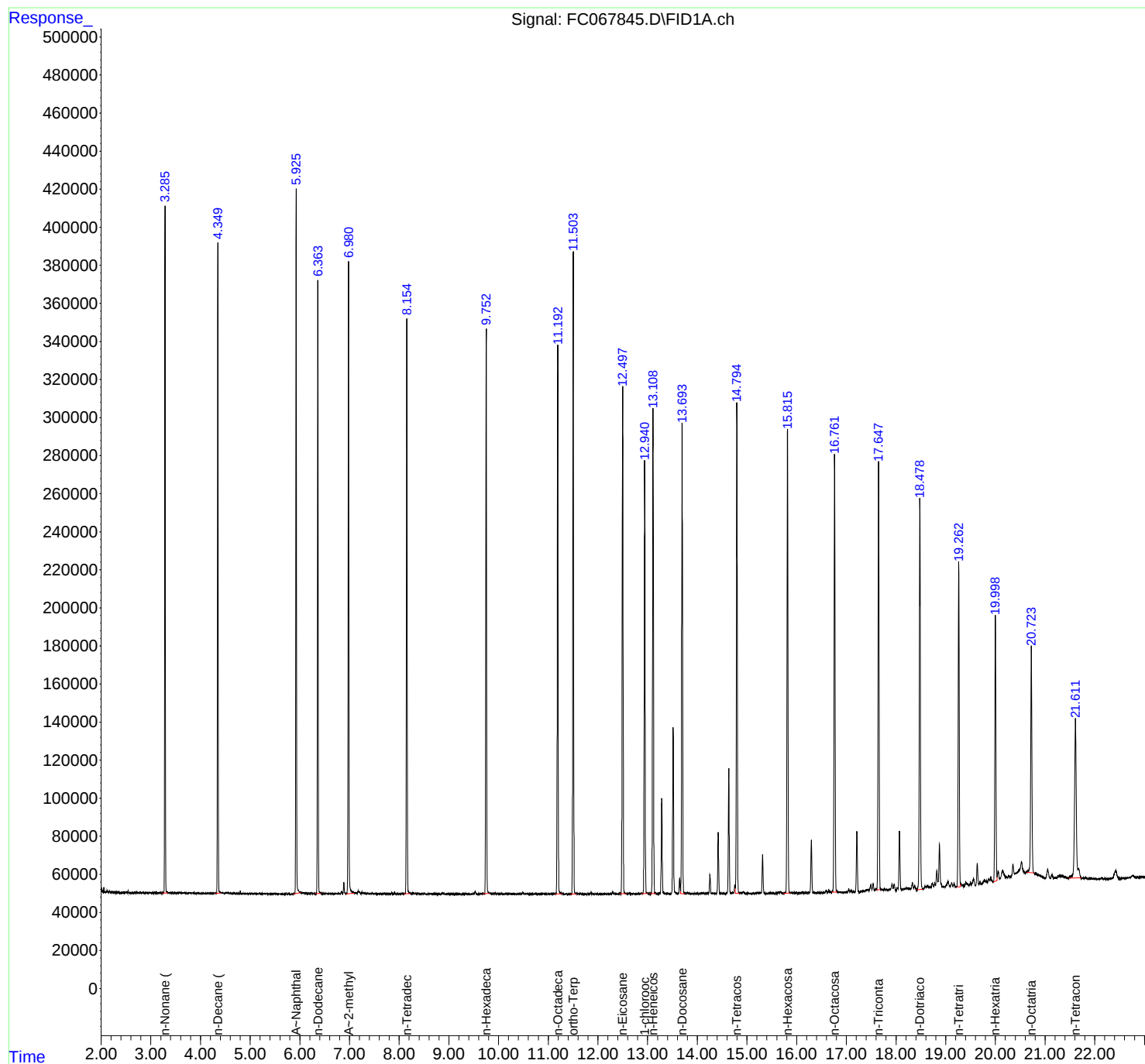
Instrument :
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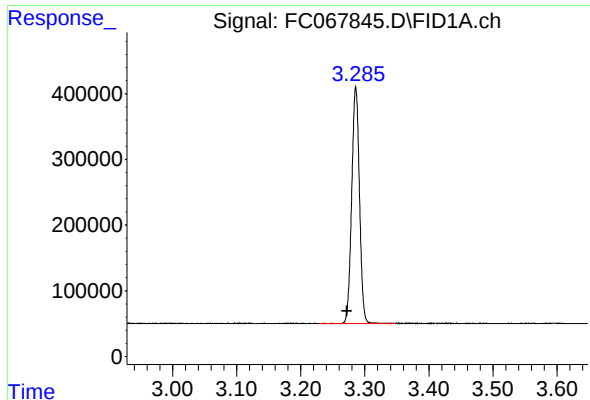
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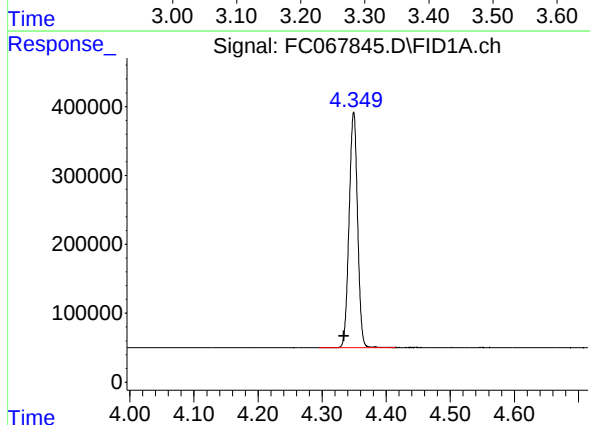
#1 n-Nonane (C9)

R.T.: 3.286 min
Delta R.T.: 0.014 min
Response: 3025704
Conc: 18.55 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

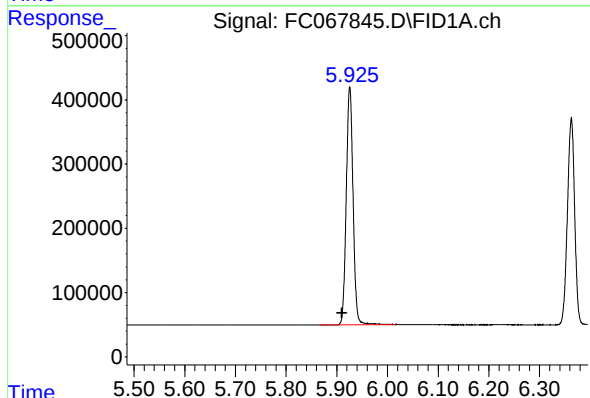
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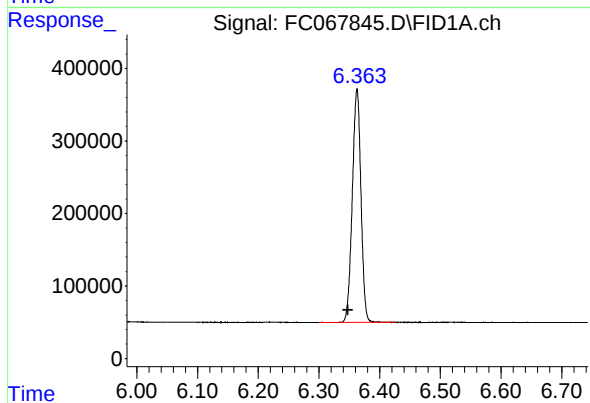
#2 n-Decane (C10)

R.T.: 4.349 min
Delta R.T.: 0.015 min
Response: 3121911
Conc: 18.83 ug/ml



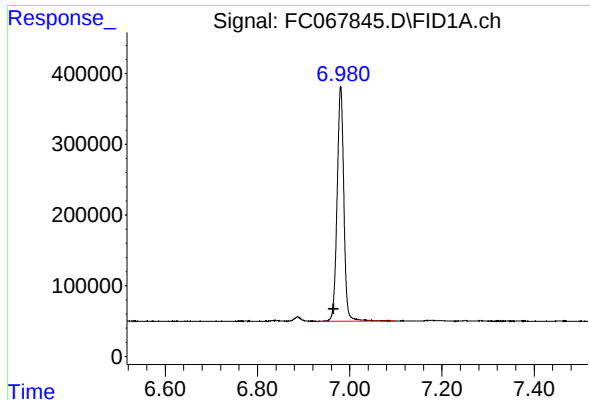
#3 A~Naphthalene (C11.7)

R.T.: 5.926 min
Delta R.T.: 0.015 min
Response: 3443758
Conc: 18.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.363 min
Delta R.T.: 0.015 min
Response: 3187014
Conc: 18.92 ug/ml



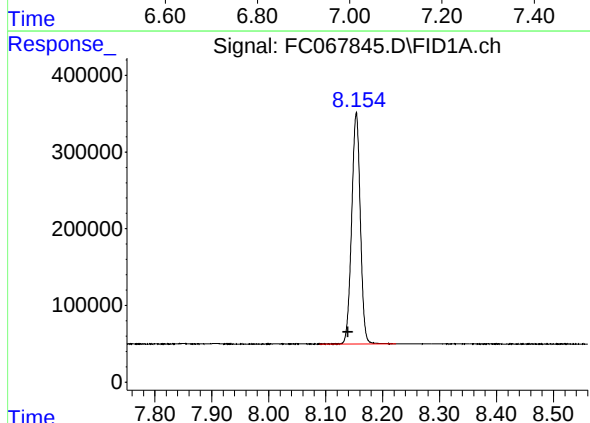
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.980 min
Delta R.T.: 0.015 min
Response: 3363922
Conc: 18.97 ug/ml

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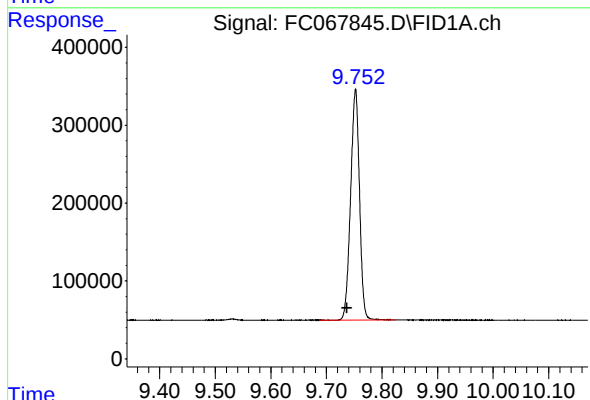
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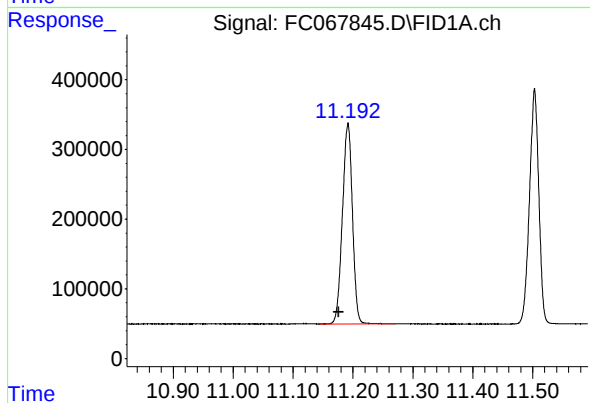
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.015 min
Response: 3182073
Conc: 19.00 ug/ml



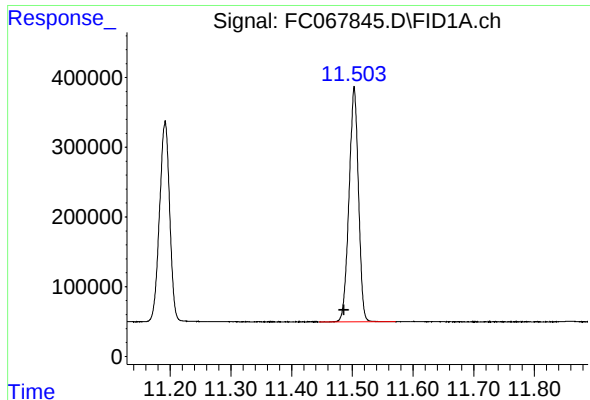
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.015 min
Response: 3290955
Conc: 18.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.192 min
Delta R.T.: 0.015 min
Response: 3348783
Conc: 19.03 ug/ml



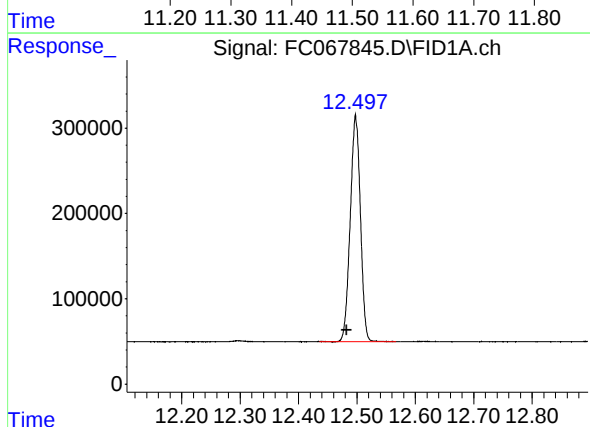
#9 ortho-Terphenyl (SURR)

R.T.: 11.503 min
Delta R.T.: 0.017 min
Response: 3640176
Conc: 18.78 ug/ml

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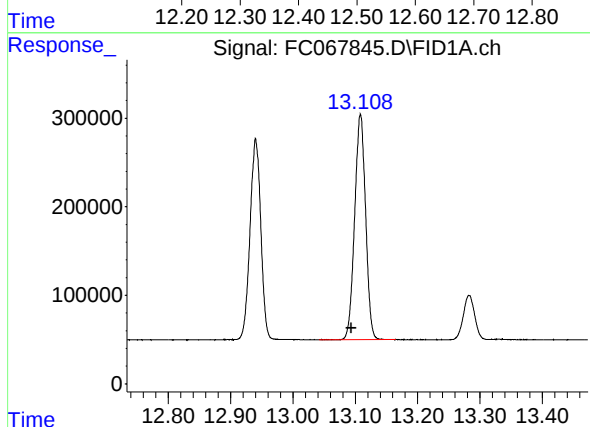
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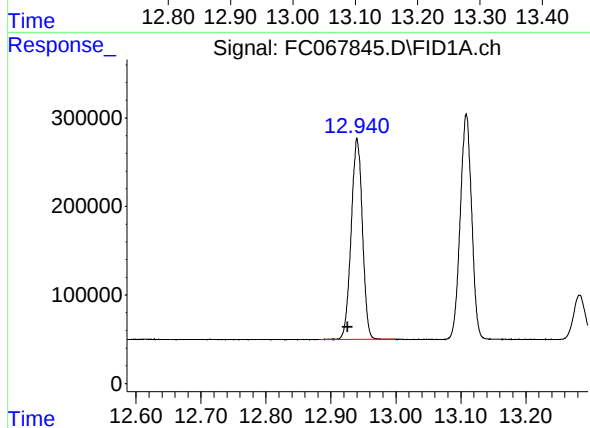
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: 0.016 min
Response: 3210093
Conc: 19.06 ug/ml



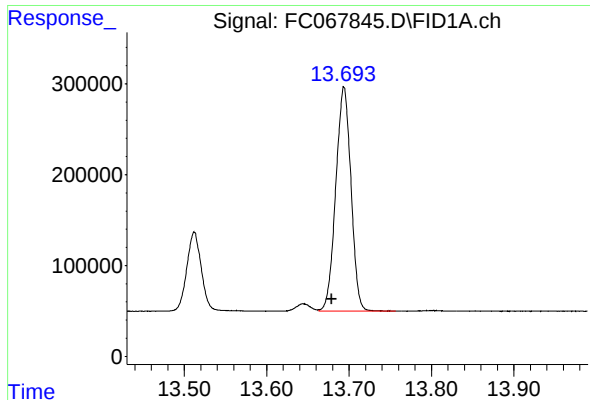
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: 0.015 min
Response: 3105589
Conc: 18.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.015 min
Response: 2726689
Conc: 18.78 ug/ml



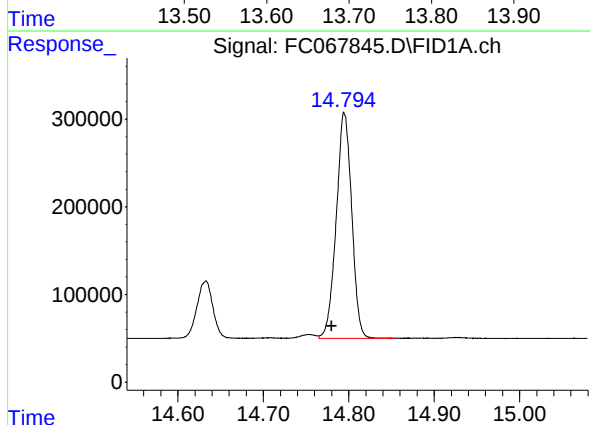
#13 n-Docosane (C22)

R.T.: 13.694 min
Delta R.T.: 0.015 min
Response: 3161118
Conc: 19.41 ug/ml

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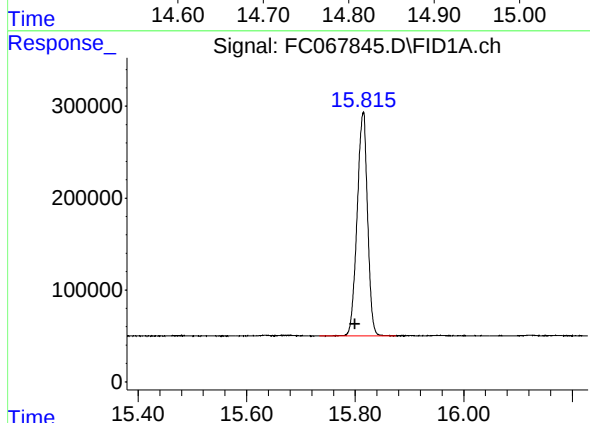
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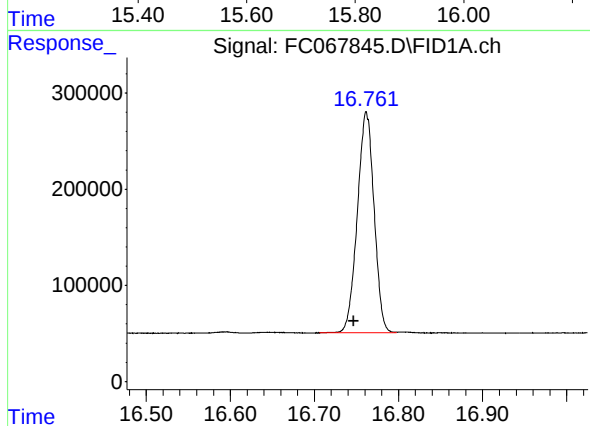
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.015 min
Response: 3242216
Conc: 20.22 ug/ml



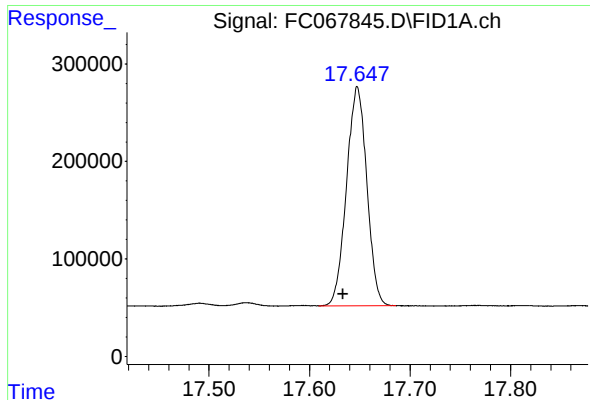
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.015 min
Response: 3237892
Conc: 20.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.761 min
Delta R.T.: 0.015 min
Response: 3180330
Conc: 21.06 ug/ml m



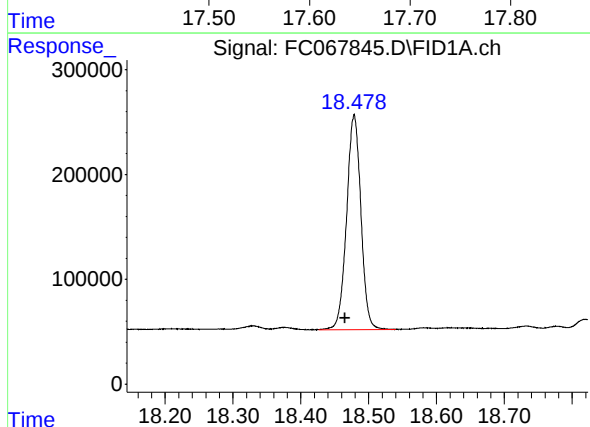
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.014 min
Response: 3155179
Conc: 20.61 ug/ml

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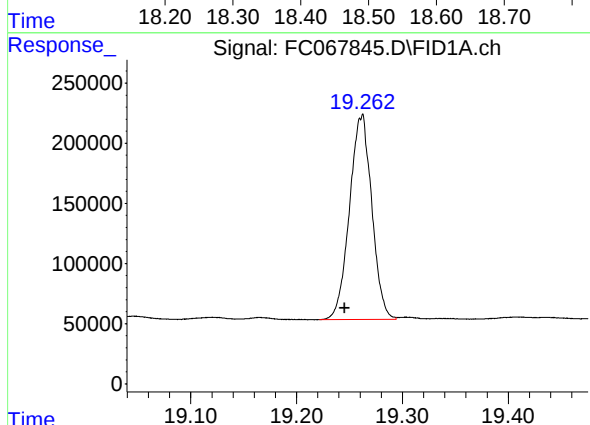
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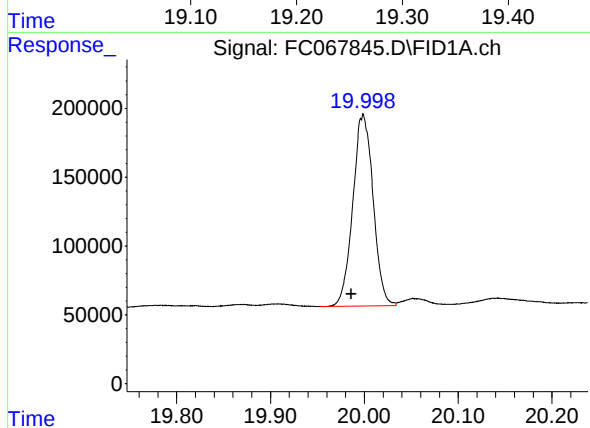
#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: 0.014 min
Response: 3006351
Conc: 20.36 ug/ml



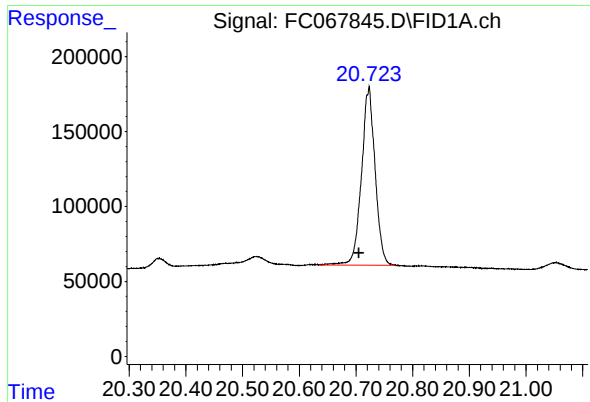
#19 n-Tetatriacontane (C34)

R.T.: 19.262 min
Delta R.T.: 0.017 min
Response: 2493545
Conc: 19.77 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.999 min
Delta R.T.: 0.012 min
Response: 2086546
Conc: 19.95 ug/ml



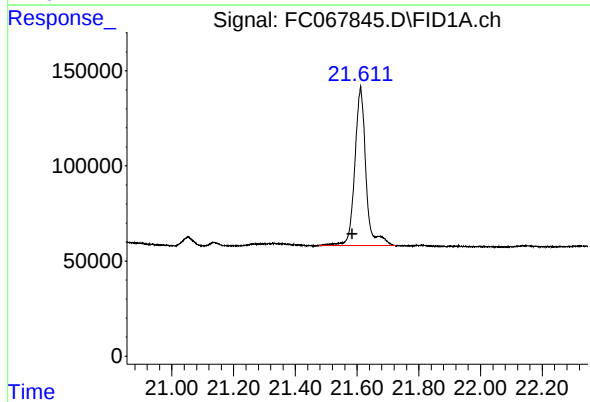
#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: 0.018 min
Response: 1983227
Conc: 20.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.026 min
Response: 2091342
Conc: 21.46 ug/ml m