

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120524AL\
 Data File : FC067914.D
 Signal(s) : FID1A.ch
 Acq On : 05 Dec 2024 13:05
 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 12/09/2024
 Supervised By :Ankita Jodhani 12/09/2024

Integration File: sample.E
 Quant Time: Dec 09 01:05:05 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)	11.474	3586724	18.500 ug/ml
Spiked Amount 50.000		Recovery =	37.00%
12) S 1-chlorooctadecane (S...	12.914	2649947	18.255 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.253	3201471	19.627 ug/ml
2) T n-Decane (C10)	4.316	3277145	19.762 ug/ml
3) T A~Naphthalene (C11.7)	5.891	3603885	19.676 ug/ml
4) T n-Dodecane (C12)	6.331	3345480	19.863 ug/ml
5) T A~2-methylnaphthalene...	6.947	3487026	19.661 ug/ml
6) T n-Tetradecane (C14)	8.124	3320832	19.829 ug/ml
7) T n-Hexadecane (C16)	9.723	3385295	19.535 ug/ml
8) T n-Octadecane (C18)	11.164	3361675	19.107 ug/ml
10) T n-Eicosane (C20)	12.471	3137523	18.633 ug/ml
11) T n-Heneicosane (C21)	13.082	3030065	18.416 ug/ml
13) T n-Docosane (C22)	13.668	2968936	18.231 ug/ml
14) T n-Tetracosane (C24)	14.769	2860904	17.838 ug/ml
15) T n-Hexacosane (C26)	15.791	2760288	17.824 ug/ml
16) T n-Octacosane (C28)	16.738	2678779	17.738 ug/ml
17) T n-Tricontane (C30)	17.625	2697599	17.619 ug/ml
18) T n-Dotriacontane (C32)	18.458	2585148	17.504 ug/ml
19) T n-Tetratriacontane (C34)	19.237	2268572	17.986 ug/mlm
20) T n-Hexatriacontane (C36)	19.979	1957872	18.720 ug/mlm
21) T n-Octatriacontane (C38)	20.700	1857368	19.014 ug/ml
22) T n-Tetracontane (C40)	21.580	1816914	18.641 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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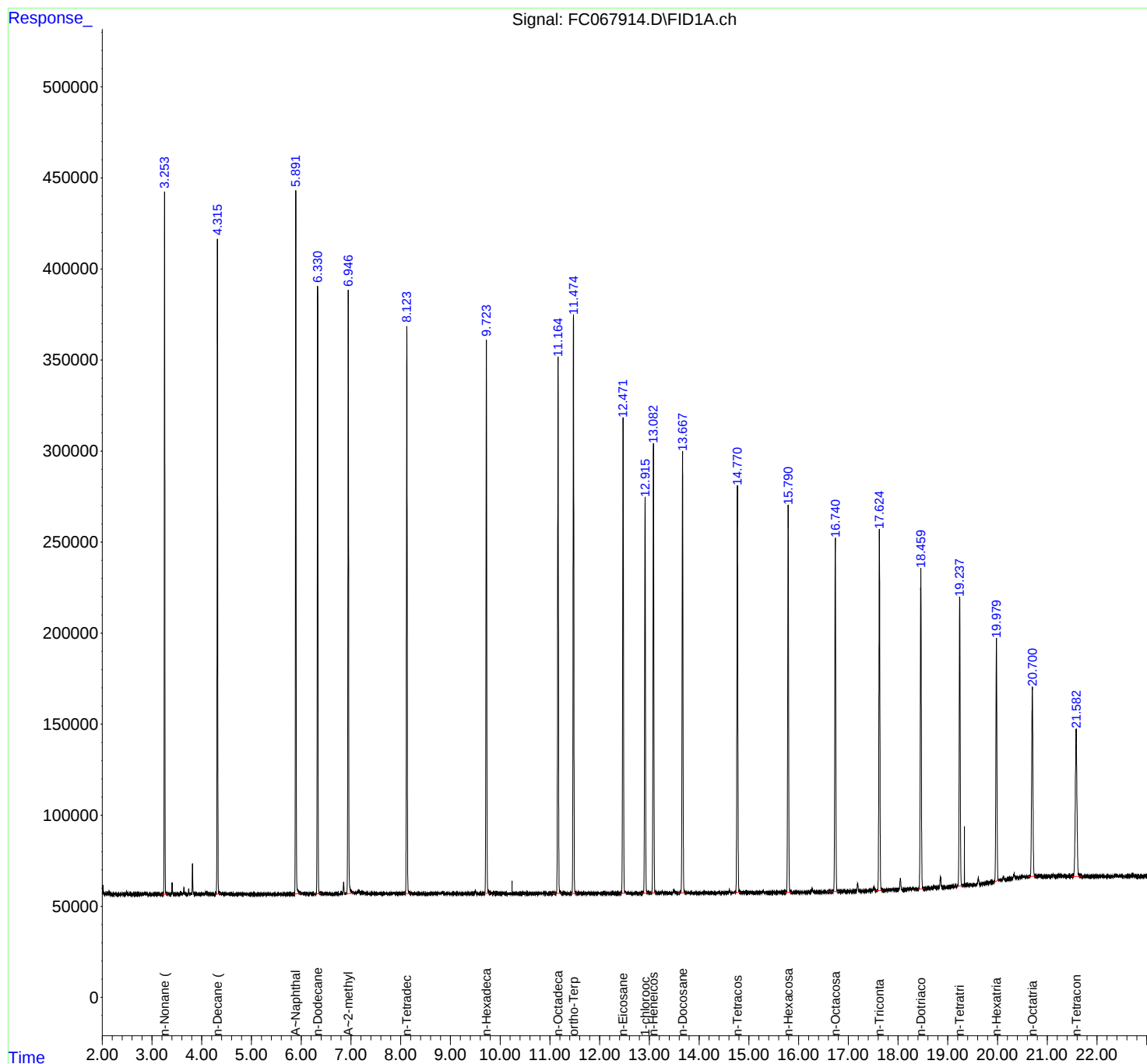
Instrument :
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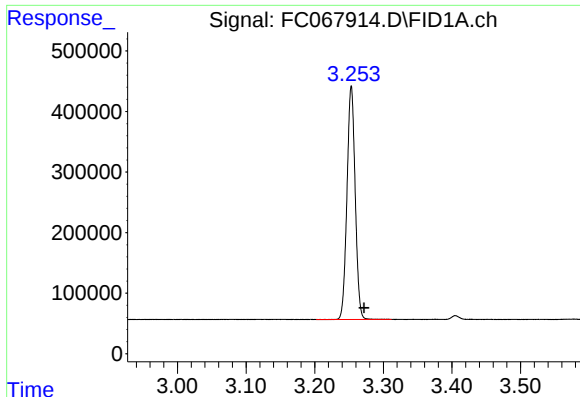
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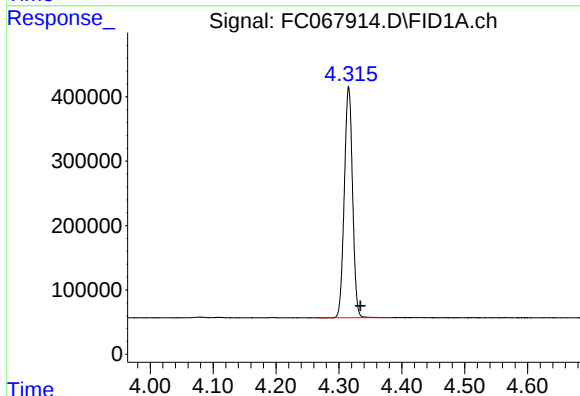
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.019 min
Response: 3201471
Conc: 19.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

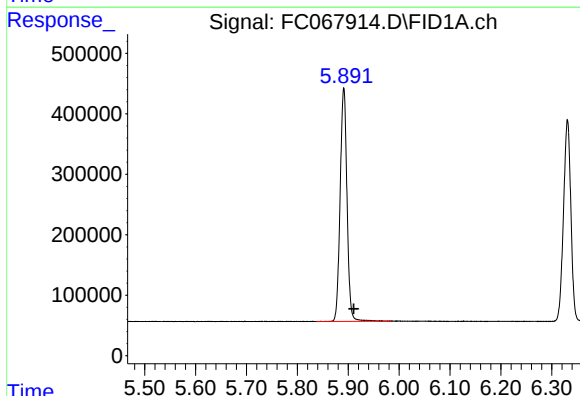
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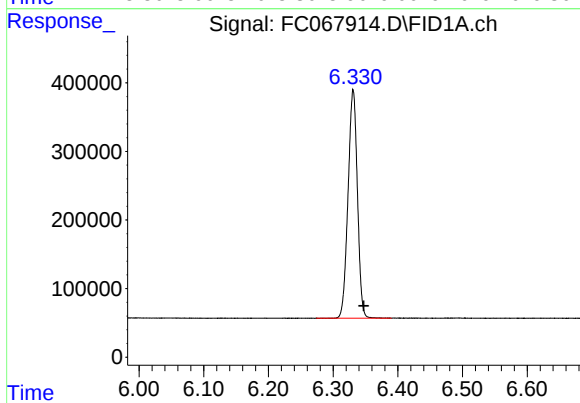
#2 n-Decane (C10)

R.T.: 4.316 min
Delta R.T.: -0.019 min
Response: 3277145
Conc: 19.76 ug/ml



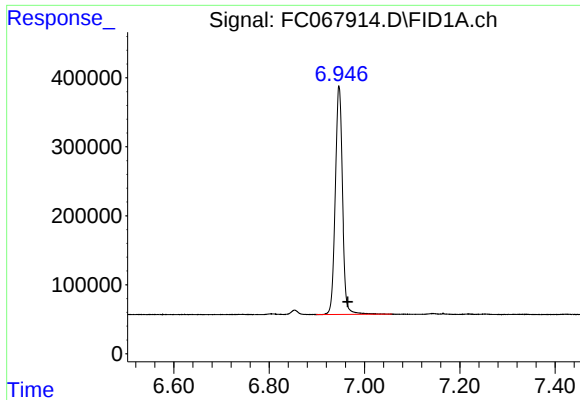
#3 A~Naphthalene (C11.7)

R.T.: 5.891 min
Delta R.T.: -0.020 min
Response: 3603885
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.331 min
Delta R.T.: -0.017 min
Response: 3345480
Conc: 19.86 ug/ml



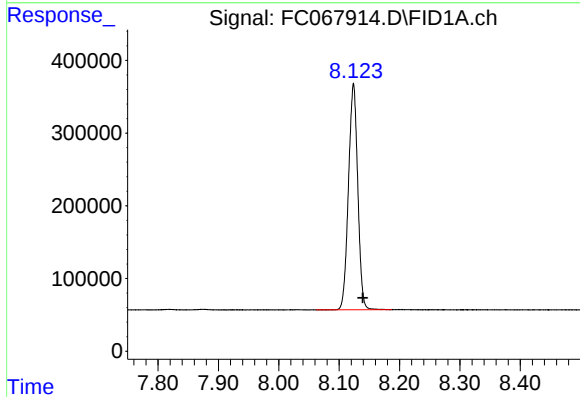
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.947 min
Delta R.T.: -0.018 min
Response: 3487026
Conc: 19.66 ug/ml

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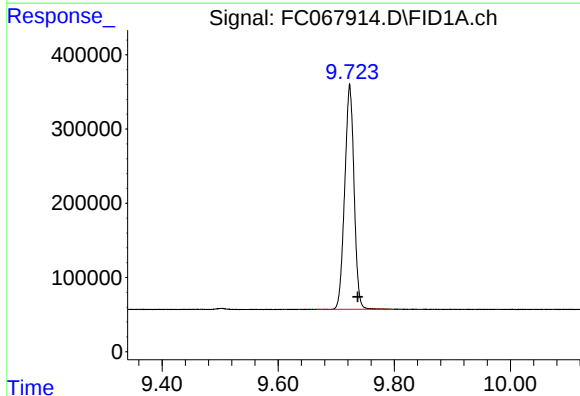
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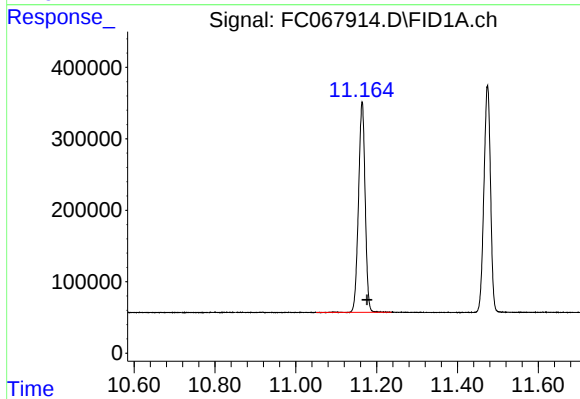
#6 n-Tetradecane (C14)

R.T.: 8.124 min
Delta R.T.: -0.015 min
Response: 3320832
Conc: 19.83 ug/ml



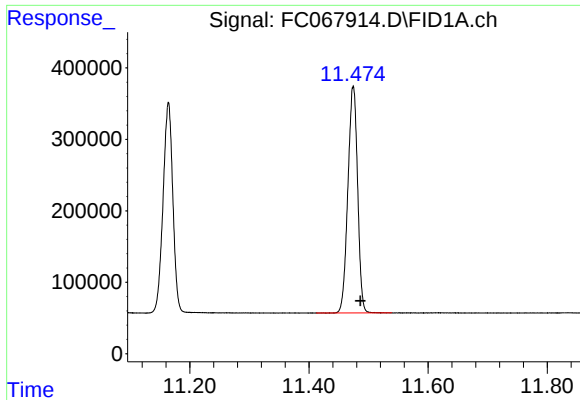
#7 n-Hexadecane (C16)

R.T.: 9.723 min
Delta R.T.: -0.014 min
Response: 3385295
Conc: 19.53 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.164 min
Delta R.T.: -0.012 min
Response: 3361675
Conc: 19.11 ug/ml



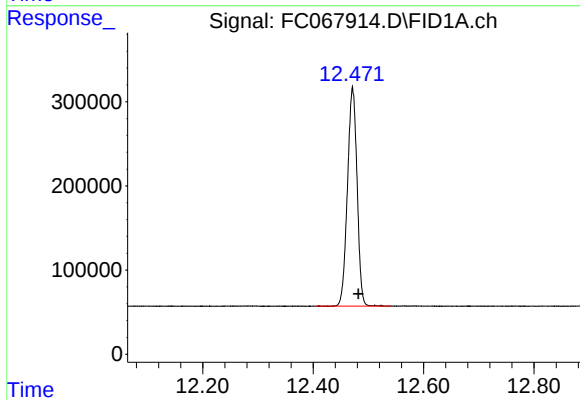
#9 ortho-Terphenyl (SURR)

R.T.: 11.474 min
Delta R.T.: -0.012 min
Response: 3586724
Conc: 18.50 ug/ml

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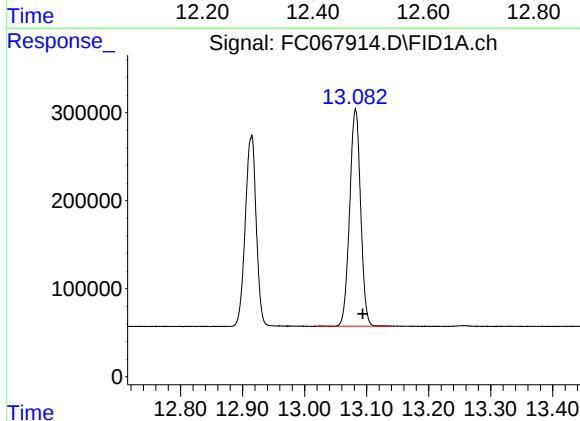
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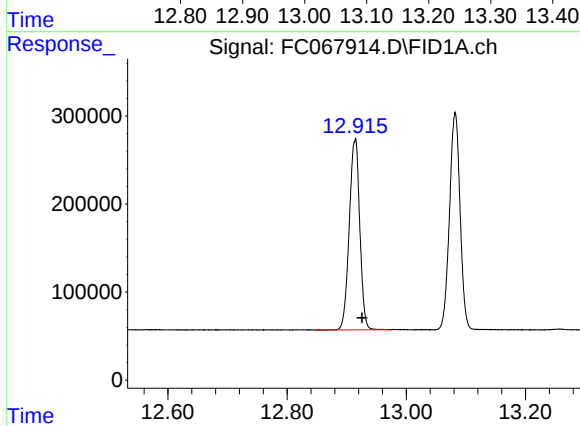
#10 n-Eicosane (C20)

R.T.: 12.471 min
Delta R.T.: -0.011 min
Response: 3137523
Conc: 18.63 ug/ml



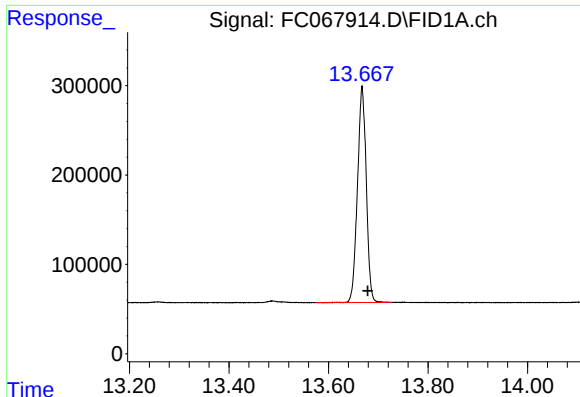
#11 n-Heneicosane (C21)

R.T.: 13.082 min
Delta R.T.: -0.012 min
Response: 3030065
Conc: 18.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.914 min
Delta R.T.: -0.012 min
Response: 2649947
Conc: 18.26 ug/ml



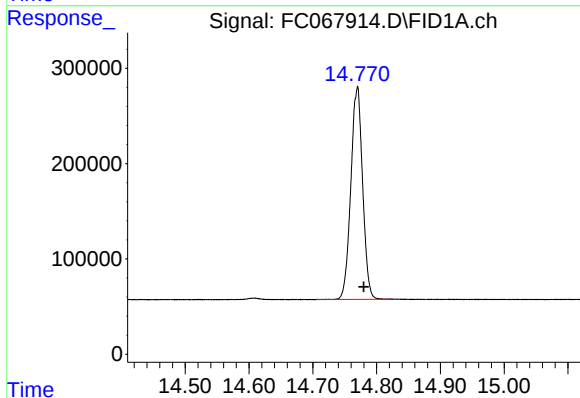
#13 n-Docosane (C22)

R.T.: 13.668 min
Delta R.T.: -0.011 min
Response: 2968936
Conc: 18.23 ug/ml

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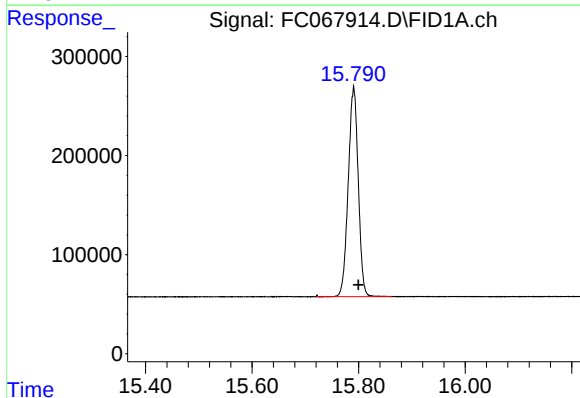
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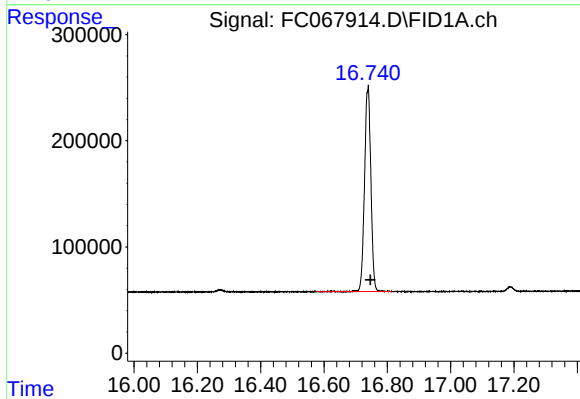
#14 n-Tetracosane (C24)

R.T.: 14.769 min
Delta R.T.: -0.010 min
Response: 2860904
Conc: 17.84 ug/ml



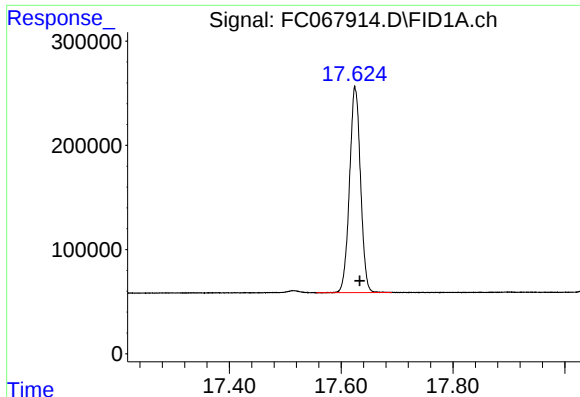
#15 n-Hexacosane (C26)

R.T.: 15.791 min
Delta R.T.: -0.009 min
Response: 2760288
Conc: 17.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.738 min
Delta R.T.: -0.008 min
Response: 2678779
Conc: 17.74 ug/ml



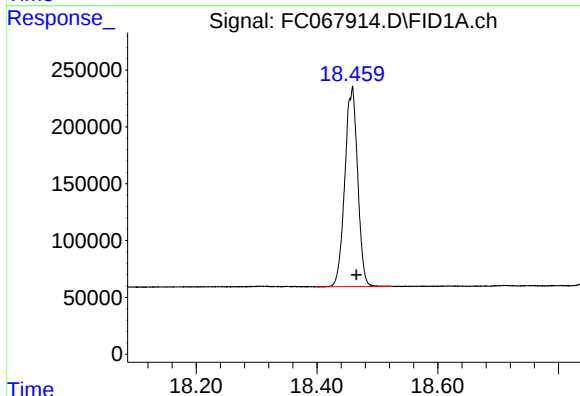
#17 n-Tricontane (C30)

R.T.: 17.625 min
Delta R.T.: -0.008 min
Response: 2697599
Conc: 17.62 ug/ml

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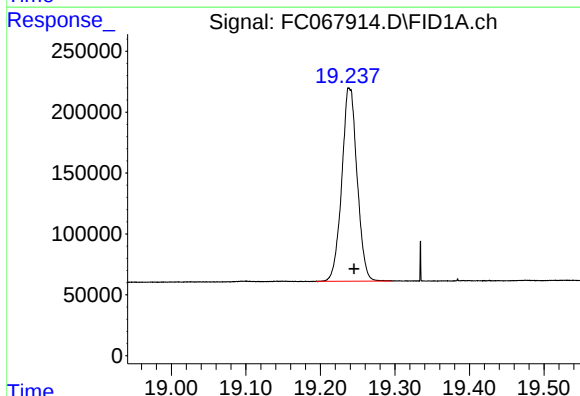
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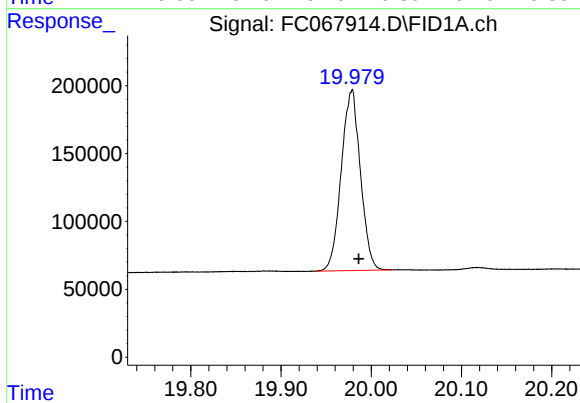
#18 n-Dotriacontane (C32)

R.T.: 18.458 min
Delta R.T.: -0.007 min
Response: 2585148
Conc: 17.50 ug/ml



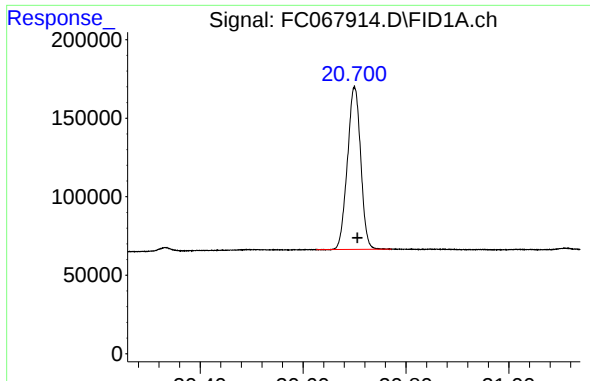
#19 n-Tetratriacontane (C34)

R.T.: 19.237 min
Delta R.T.: -0.009 min
Response: 2268572
Conc: 17.99 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.979 min
Delta R.T.: -0.007 min
Response: 1957872
Conc: 18.72 ug/ml m



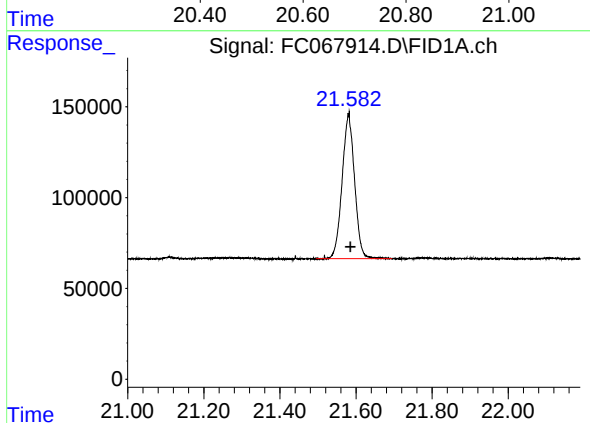
#21 n-Octatriacontane (C38)

R.T.: 20.700 min
Delta R.T.: -0.005 min
Response: 1857368
Conc: 19.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.580 min
Delta R.T.: -0.005 min
Response: 1816914
Conc: 18.64 ug/ml