

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091324AL\
 Data File : FC067130.D
 Signal(s) : FID1A.ch
 Acq On : 13 Sep 2024 19:08
 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 09/16/2024
 Supervised By :Ankita Jodhani 09/16/2024

Integration File: autoint1.e
 Quant Time: Sep 14 00:32:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 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)	11.505	2801383	20.118 ug/ml
Spiked Amount 50.000		Recovery =	40.24%
12) S 1-chlorooctadecane (S...	12.944	2017777	20.656 ug/ml
Spiked Amount 50.000		Recovery =	41.31%
Target Compounds			
1) T n-Nonane (C9)	3.278	2597961	19.586 ug/ml
2) T n-Decane (C10)	4.344	2649115	19.724 ug/ml
3) T A~Naphthalene (C11.7)	5.923	2799876	19.700 ug/ml
4) T n-Dodecane (C12)	6.361	2661534	19.884 ug/ml
5) T A~2-methylnaphthalene...	6.978	2645613	19.812 ug/ml
6) T n-Tetradecane (C14)	8.154	2605400	20.216 ug/ml
7) T n-Hexadecane (C16)	9.753	2636561	20.450 ug/ml
8) T n-Octadecane (C18)	11.194	2643461	20.661 ug/ml
10) T n-Eicosane (C20)	12.502	2483533	20.677 ug/ml
11) T n-Heneicosane (C21)	13.113	2416707	20.692 ug/ml
13) T n-Docosane (C22)	13.698	2378163	20.597 ug/ml
14) T n-Tetracosane (C24)	14.800	2328550	20.505 ug/ml
15) T n-Hexacosane (C26)	15.819	2274061	20.519 ug/ml
16) T n-Octacosane (C28)	16.768	2223466	20.584 ug/ml
17) T n-Tricontane (C30)	17.654	2258266	20.761 ug/ml
18) T n-Dotriacontane (C32)	18.486	2171835	20.822 ug/ml
19) T n-Tetratriacontane (C34)	19.269	1908063	20.682 ug/ml
20) T n-Hexatriacontane (C36)	20.007	1619965	20.442 ug/ml
21) T n-Octatriacontane (C38)	20.732	1468781	19.554 ug/ml
22) T n-Tetracontane (C40)	21.622	1335113	19.110 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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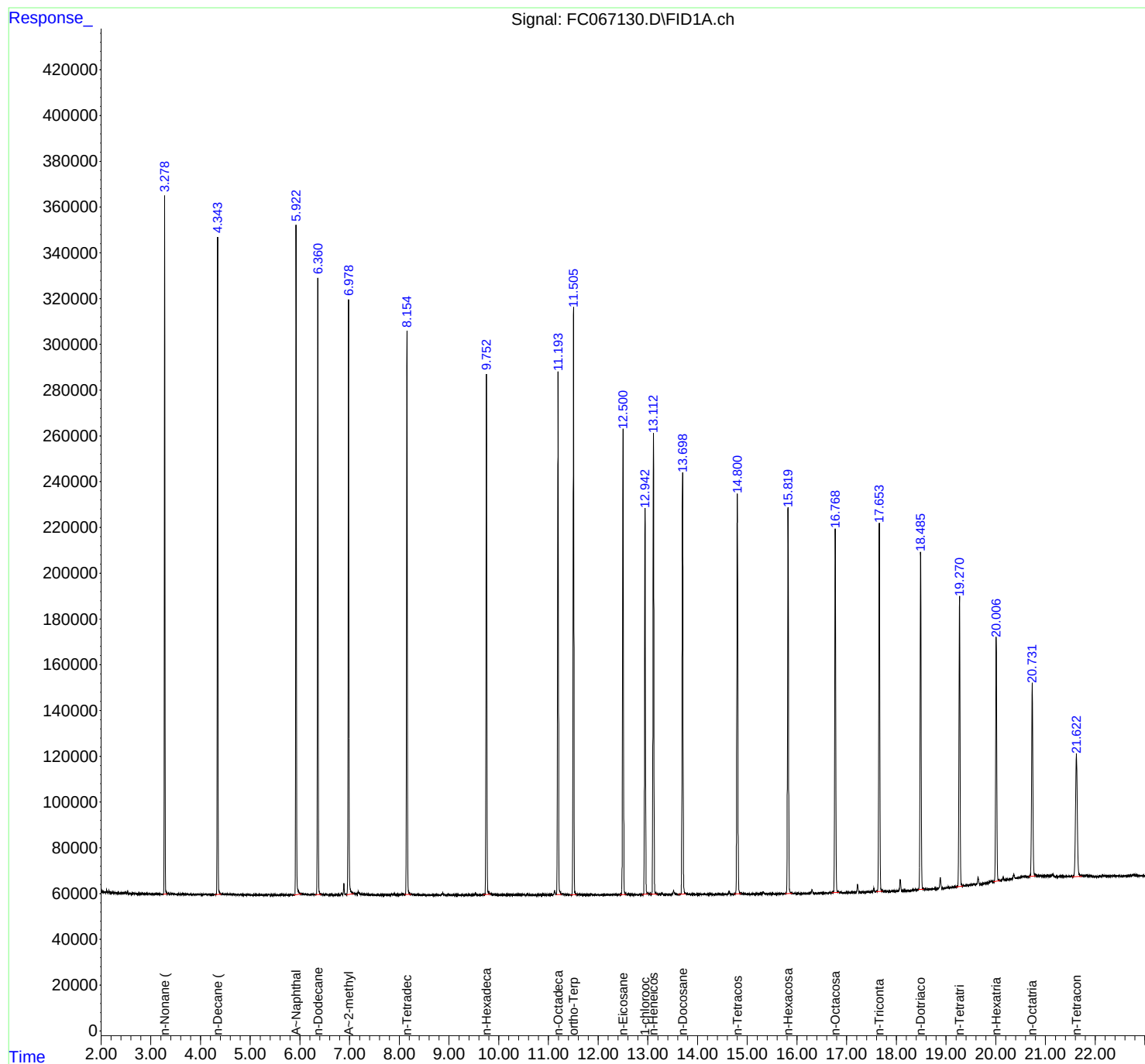
Instrument :
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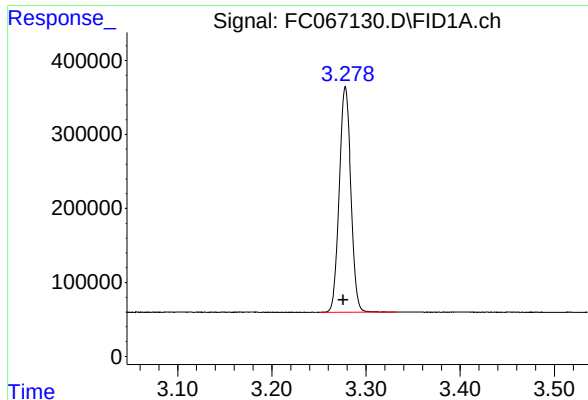
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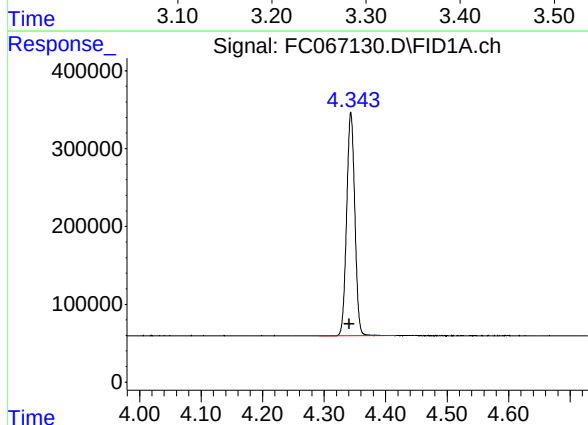
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 2597961
Conc: 19.59 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

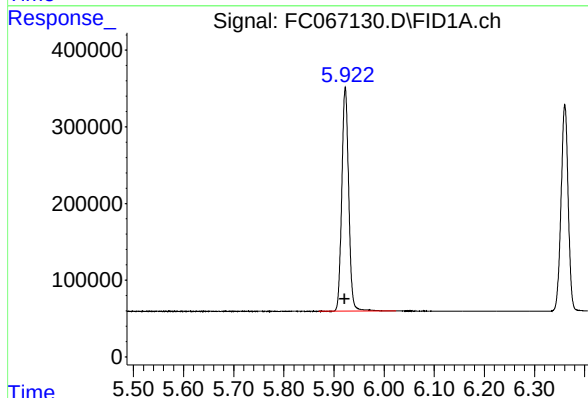
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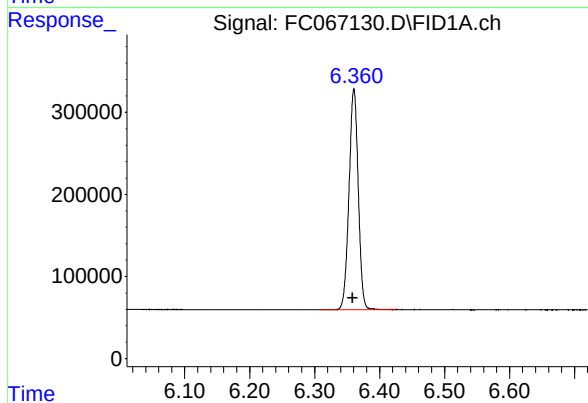
#2 n-Decane (C10)

R.T.: 4.344 min
Delta R.T.: 0.003 min
Response: 2649115
Conc: 19.72 ug/ml



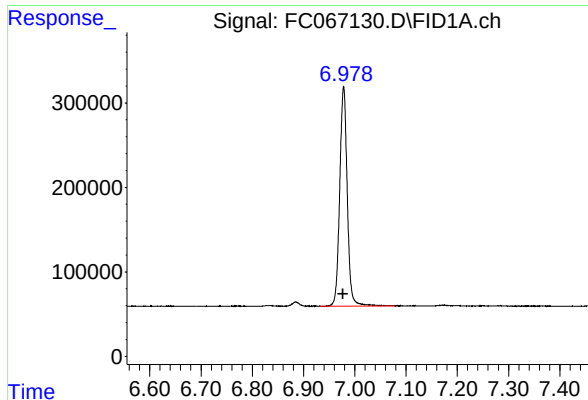
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: 0.001 min
Response: 2799876
Conc: 19.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.361 min
Delta R.T.: 0.002 min
Response: 2661534
Conc: 19.88 ug/ml



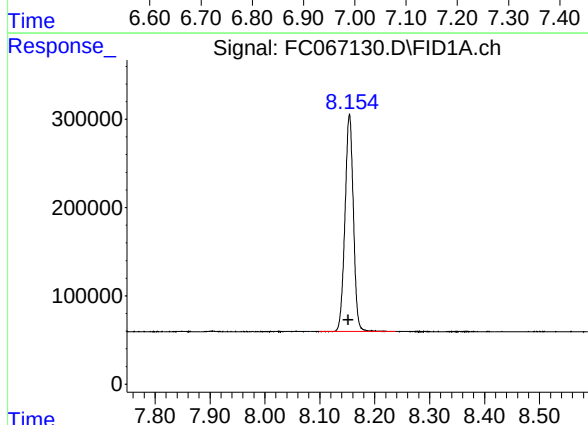
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.978 min
Delta R.T.: 0.001 min
Response: 2645613
Conc: 19.81 ug/ml

Instrument : FID_C
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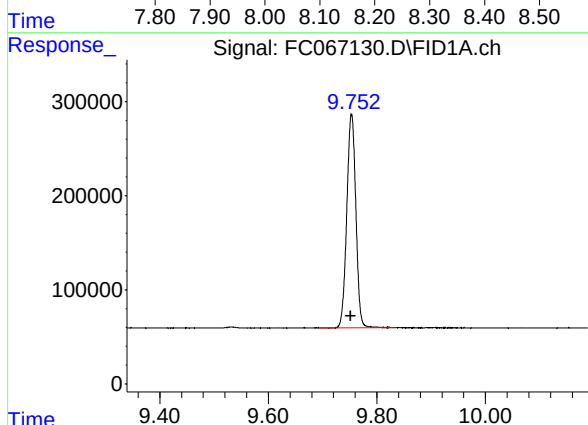
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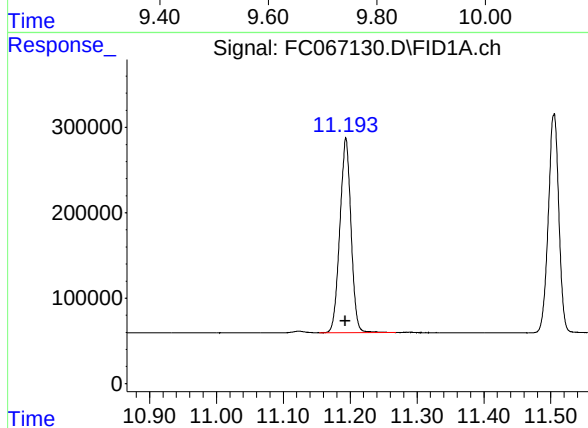
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.002 min
Response: 2605400
Conc: 20.22 ug/ml



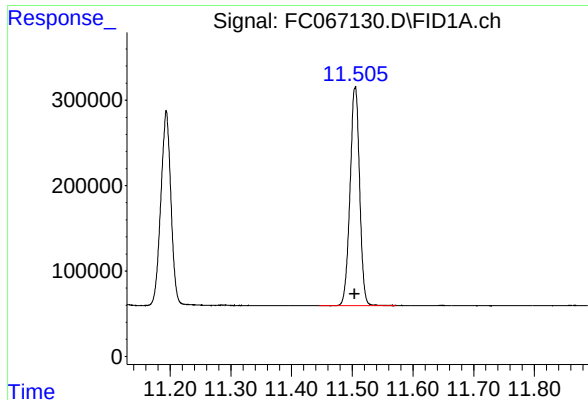
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.002 min
Response: 2636561
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 2643461
Conc: 20.66 ug/ml



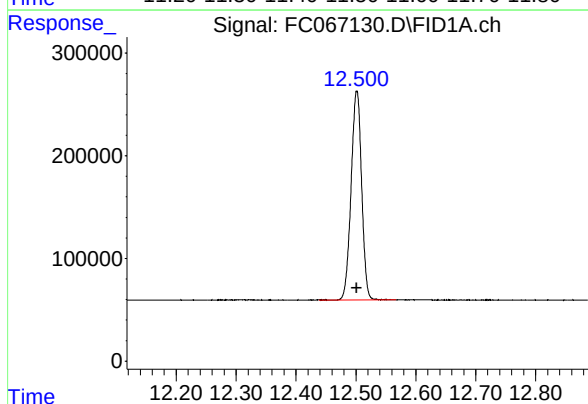
#9 ortho-Terphenyl (SURR)

R.T.: 11.505 min
Delta R.T.: 0.000 min
Response: 2801383
Conc: 20.12 ug/ml

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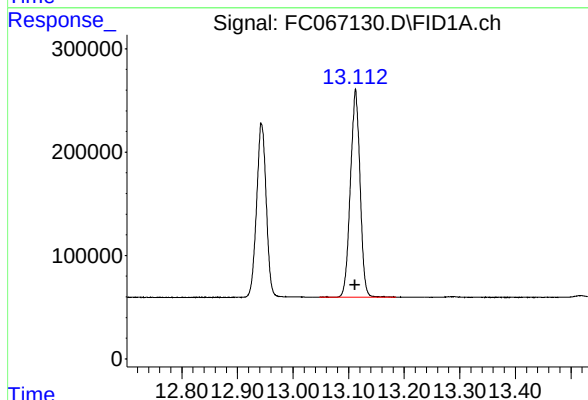
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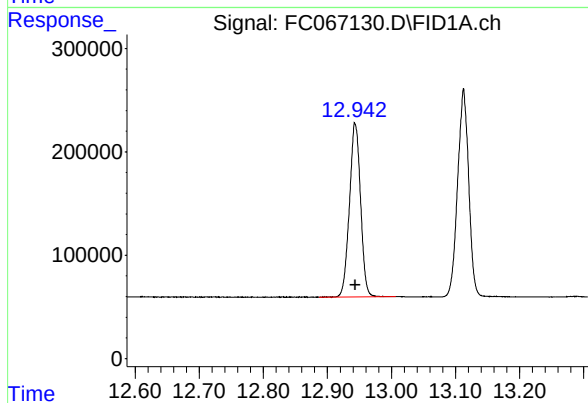
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: 0.000 min
Response: 2483533
Conc: 20.68 ug/ml



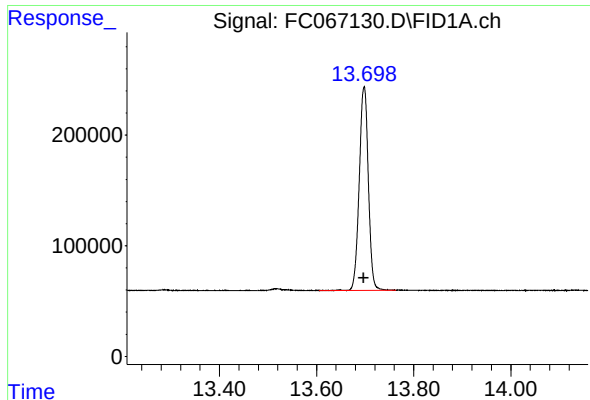
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 2416707
Conc: 20.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.944 min
Delta R.T.: 0.000 min
Response: 2017777
Conc: 20.66 ug/ml



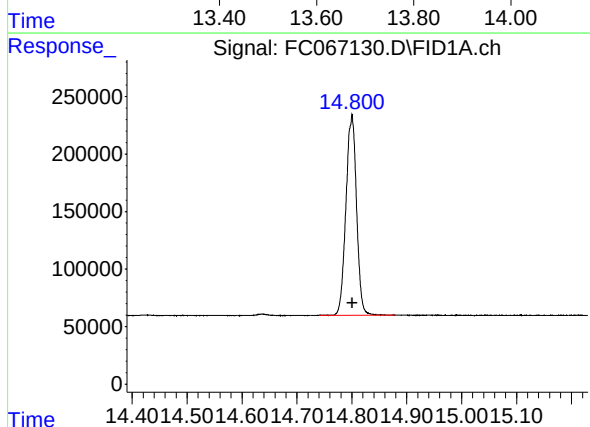
#13 n-Docosane (C22)

R.T.: 13.698 min
Delta R.T.: 0.000 min
Response: 2378163
Conc: 20.60 ug/ml

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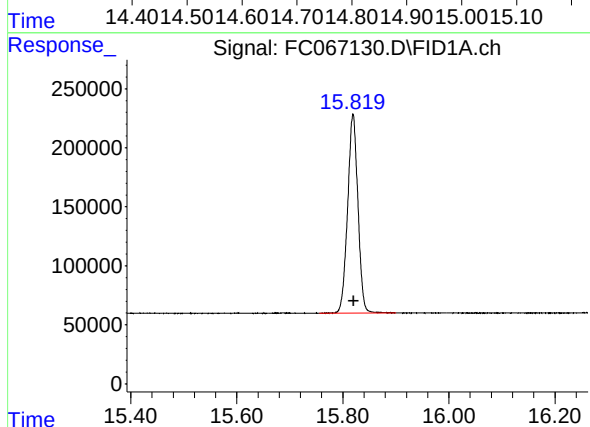
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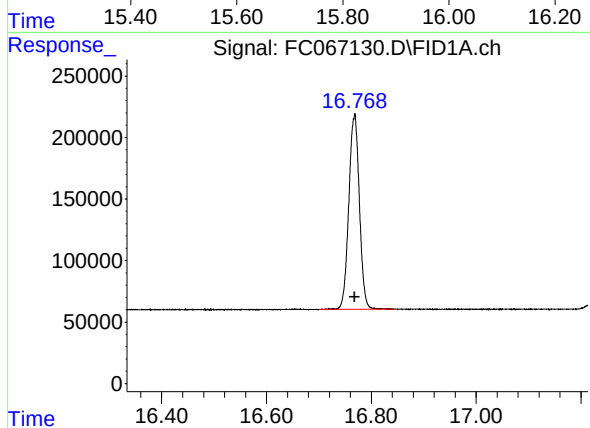
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: -0.001 min
Response: 2328550
Conc: 20.50 ug/ml



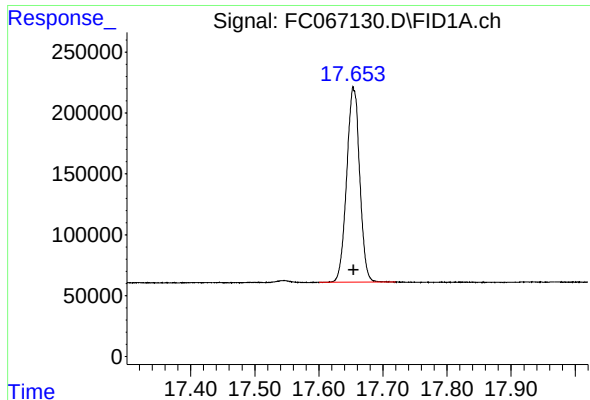
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: -0.001 min
Response: 2274061
Conc: 20.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.768 min
Delta R.T.: 0.000 min
Response: 2223466
Conc: 20.58 ug/ml



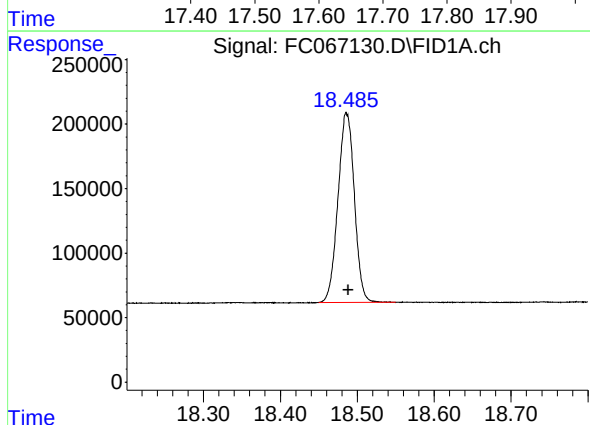
#17 n-Tricontane (C30)

R.T.: 17.654 min
Delta R.T.: 0.000 min
Response: 2258266
Conc: 20.76 ug/ml

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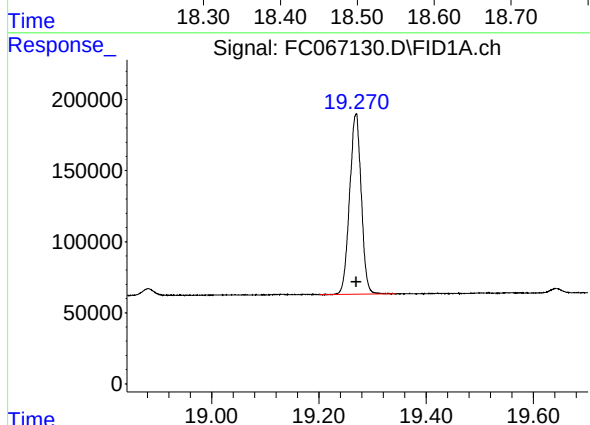
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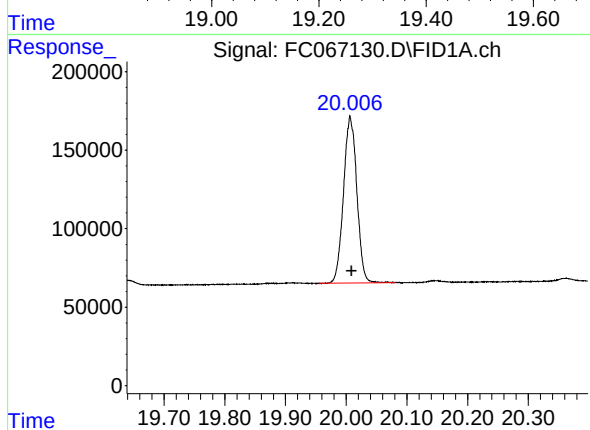
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: -0.002 min
Response: 2171835
Conc: 20.82 ug/ml



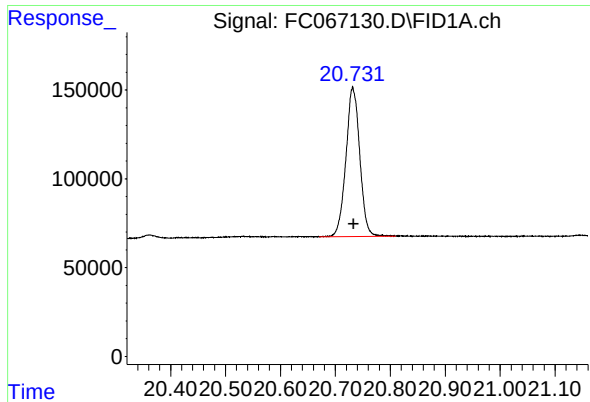
#19 n-Tetratriacontane (C34)

R.T.: 19.269 min
Delta R.T.: 0.000 min
Response: 1908063
Conc: 20.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.007 min
Delta R.T.: -0.002 min
Response: 1619965
Conc: 20.44 ug/ml



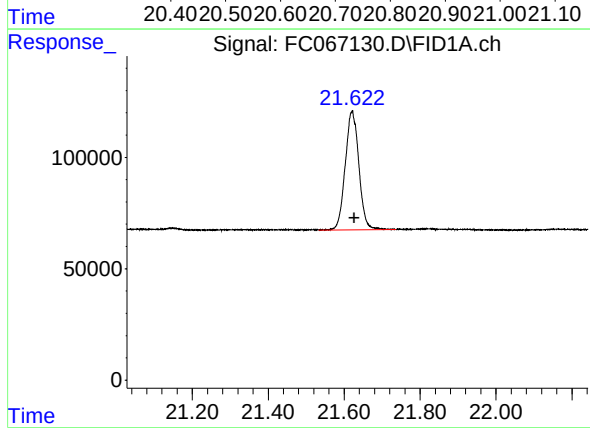
#21 n-Octatriacontane (C38)

R.T.: 20.732 min
Delta R.T.: -0.001 min
Response: 1468781
Conc: 19.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.622 min
Delta R.T.: -0.005 min
Response: 1335113
Conc: 19.11 ug/ml m