

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051925AL\
 Data File : FC068914.D
 Signal(s) : FID1A.ch
 Acq On : 19 May 2025 10:46
 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 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 20 03:03:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 2025
 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)	11.708	2229331	19.532 ug/ml
Spiked Amount 50.000		Recovery =	39.06%
12) S 1-chlorooctadecane (S...	13.141	1567534	19.539 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
Target Compounds			
1) T n-Nonane (C9)	3.441	2029949	20.182 ug/ml
2) T n-Decane (C10)	4.516	2031592	20.389 ug/ml
3) T A~Naphthalene (C11.7)	6.113	2171377	19.693 ug/ml
4) T n-Dodecane (C12)	6.541	1998460	20.565 ug/ml
5) T A~2-methylnaphthalene...	7.171	2105391	19.616 ug/ml
6) T n-Tetradecane (C14)	8.339	1908469	20.649 ug/ml
7) T n-Hexadecane (C16)	9.941	1848458	20.643 ug/ml
8) T n-Octadecane (C18)	11.384	1801798	20.541 ug/ml
10) T n-Eicosane (C20)	12.695	1738130	20.396 ug/ml
11) T n-Heneicosane (C21)	13.307	1708077	20.251 ug/ml
13) T n-Docosane (C22)	13.894	1686018	20.154 ug/ml
14) T n-Tetracosane (C24)	14.998	1659082	19.939 ug/ml
15) T n-Hexacosane (C26)	16.019	1634225	19.724 ug/ml
16) T n-Octacosane (C28)	16.970	1621618	19.621 ug/ml
17) T n-Tricontane (C30)	17.859	1672527	19.767 ug/ml
18) T n-Dotriacontane (C32)	18.692	1685769	19.571 ug/ml
19) T n-Tetratriacontane (C34)	19.476	1609190	18.887 ug/ml
20) T n-Hexatriacontane (C36)	20.216	1564547	18.203 ug/ml
21) T n-Octatriacontane (C38)	20.989	1441261	17.182 ug/ml
22) T n-Tetracontane (C40)	21.965	1353579	16.516 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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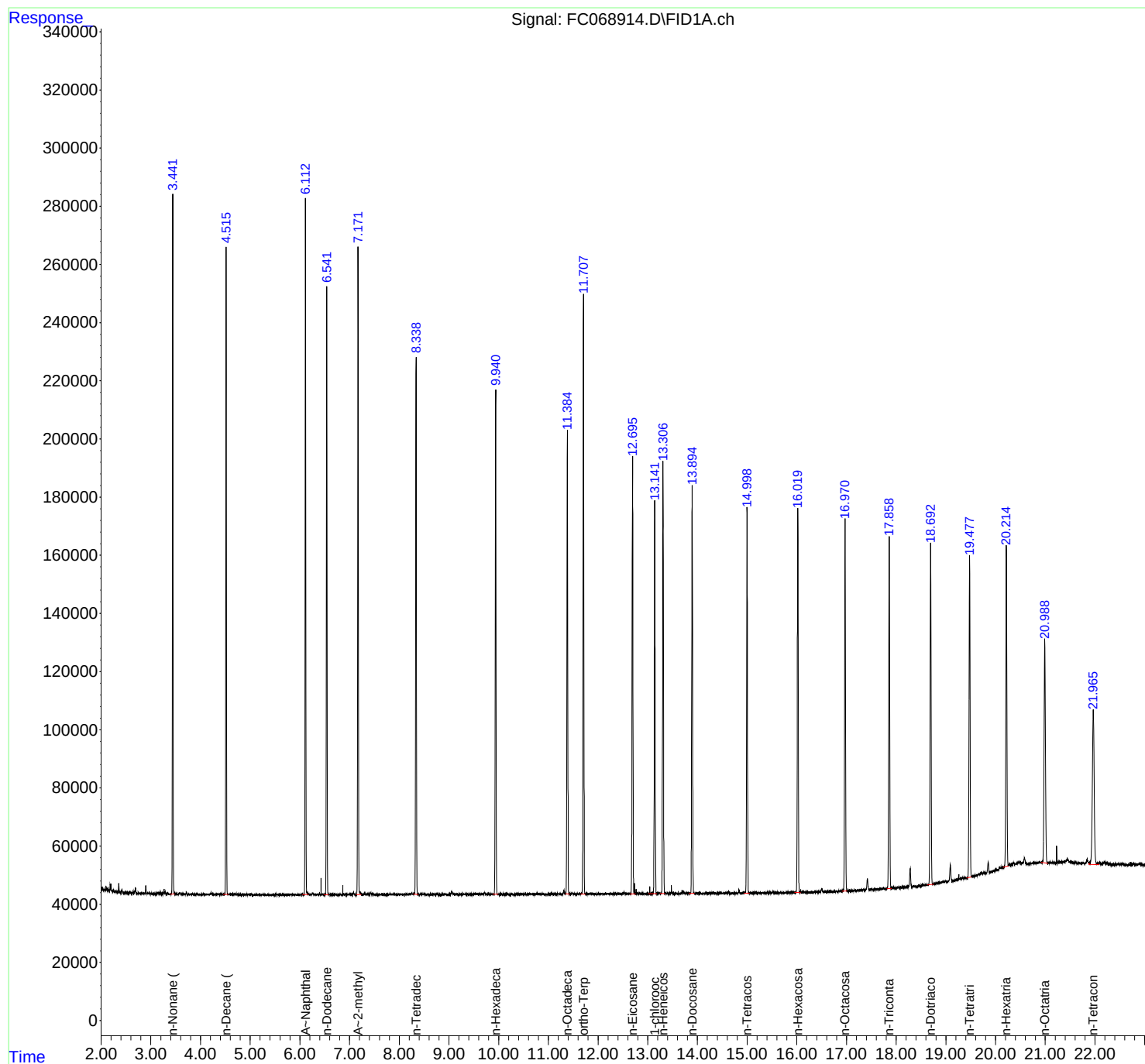
Instrument :
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20 PPM ALIPHATIC HC STD

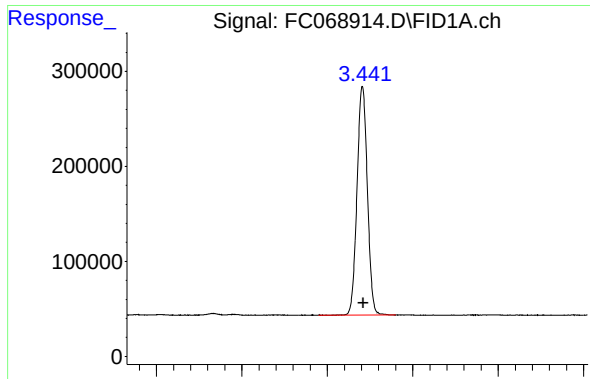
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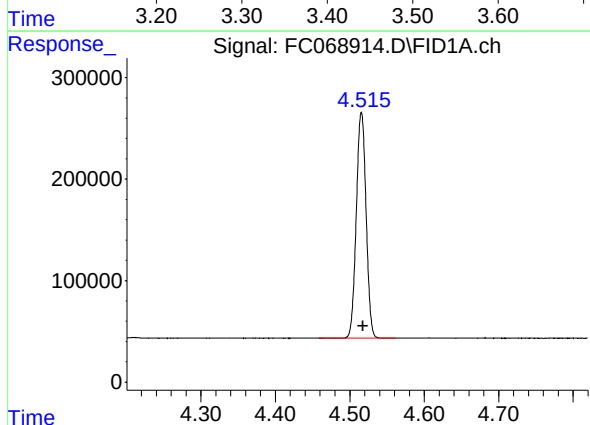
#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 2029949
Conc: 20.18 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

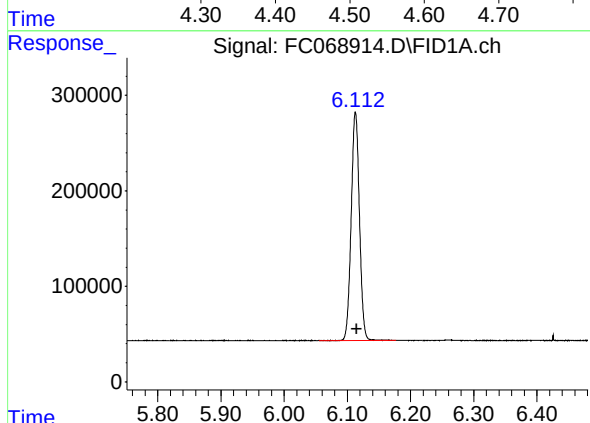
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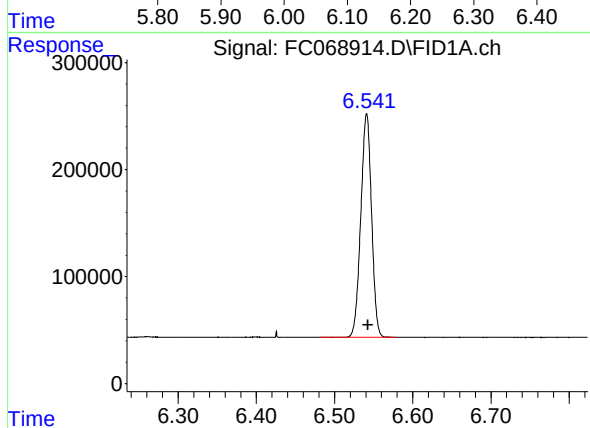
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 2031592
Conc: 20.39 ug/ml



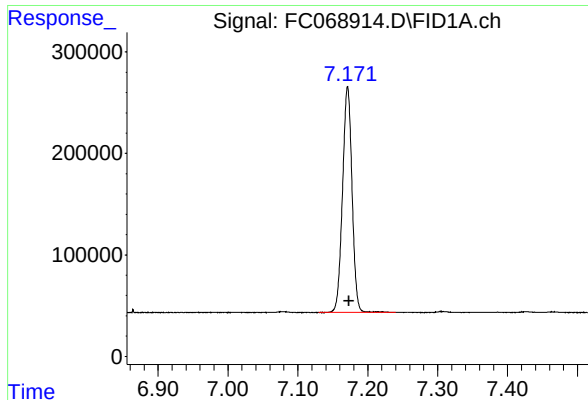
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.002 min
Response: 2171377
Conc: 19.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 1998460
Conc: 20.57 ug/ml



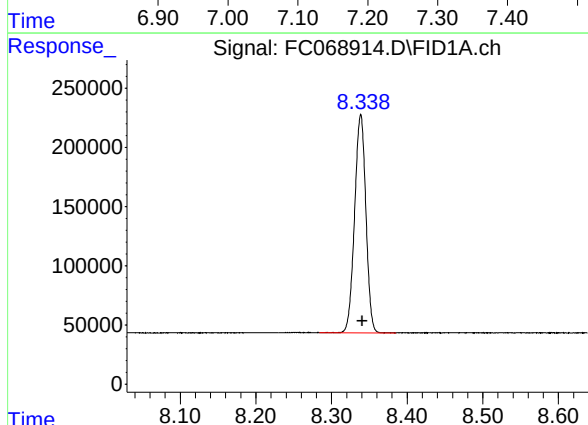
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 2105391
Conc: 19.62 ug/ml

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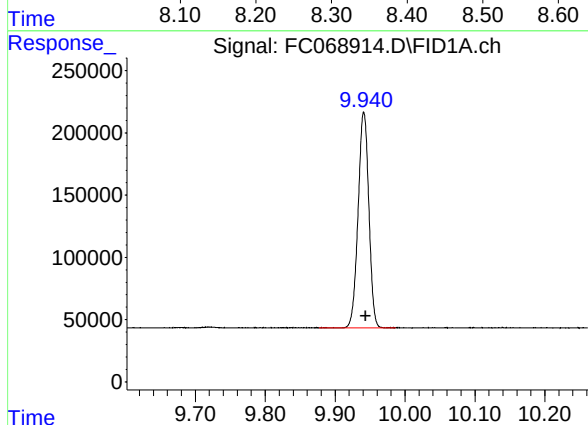
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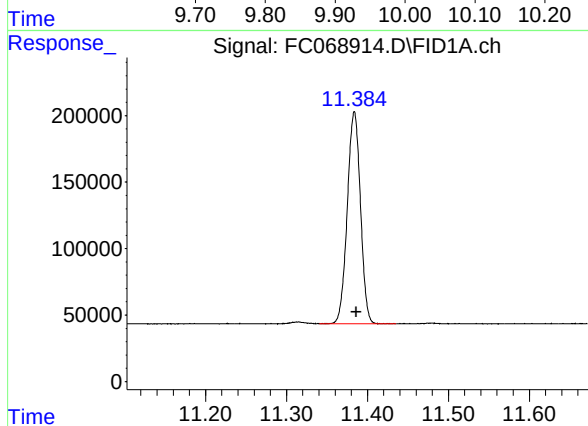
#6 n-Tetradecane (C14)

R.T.: 8.339 min
Delta R.T.: -0.002 min
Response: 1908469
Conc: 20.65 ug/ml



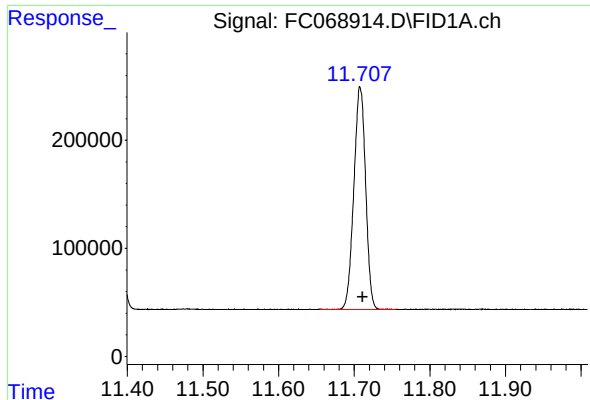
#7 n-Hexadecane (C16)

R.T.: 9.941 min
Delta R.T.: -0.003 min
Response: 1848458
Conc: 20.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.384 min
Delta R.T.: -0.003 min
Response: 1801798
Conc: 20.54 ug/ml



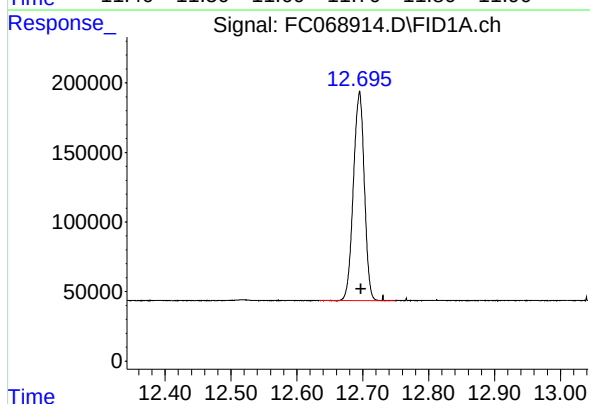
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: -0.003 min
Response: 2229331
Conc: 19.53 ug/ml

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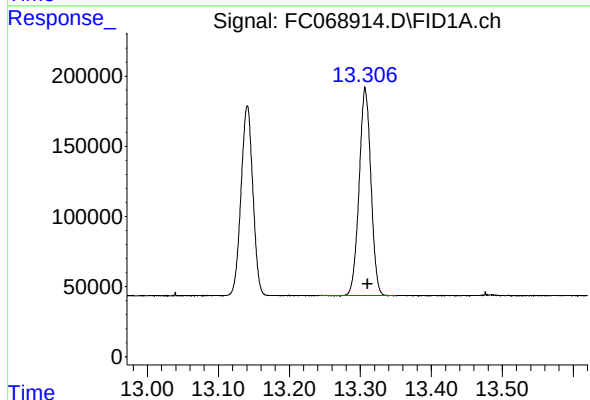
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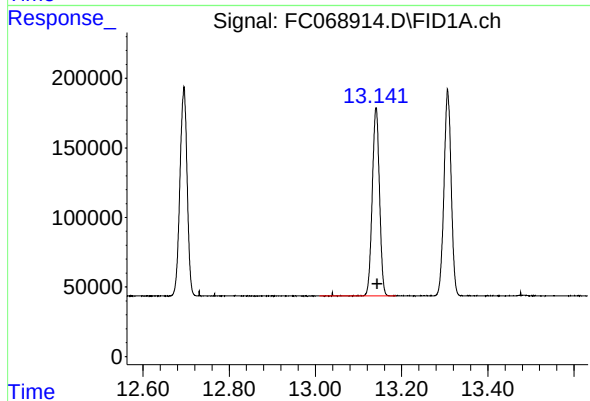
#10 n-Eicosane (C20)

R.T.: 12.695 min
Delta R.T.: -0.002 min
Response: 1738130
Conc: 20.40 ug/ml



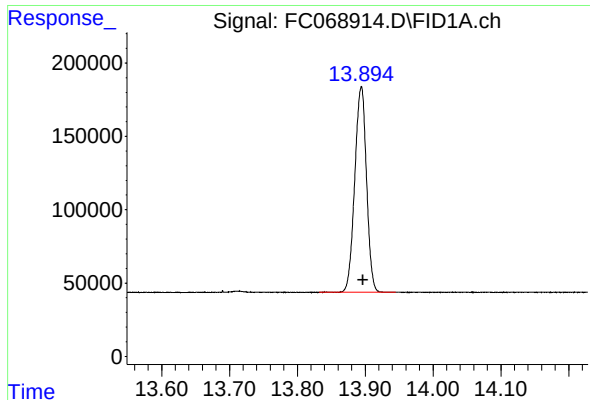
#11 n-Heneicosane (C21)

R.T.: 13.307 min
Delta R.T.: -0.003 min
Response: 1708077
Conc: 20.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.141 min
Delta R.T.: -0.003 min
Response: 1567534
Conc: 19.54 ug/ml



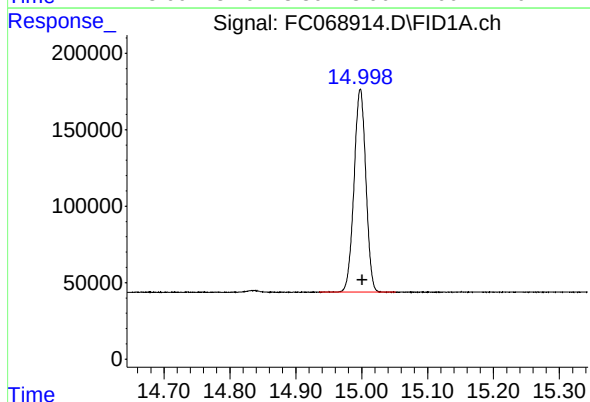
#13 n-Docosane (C22)

R.T.: 13.894 min
Delta R.T.: -0.003 min
Response: 1686018
Conc: 20.15 ug/ml

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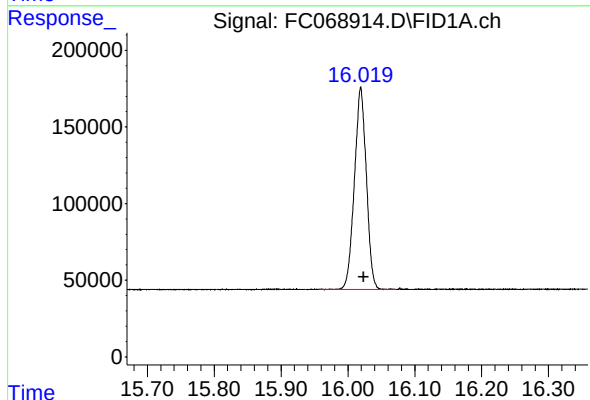
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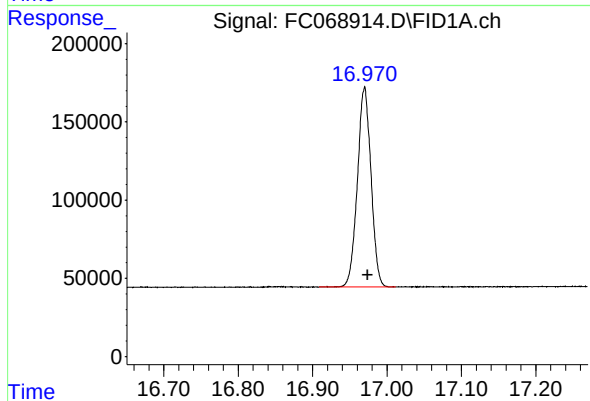
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.003 min
Response: 1659082
Conc: 19.94 ug/ml



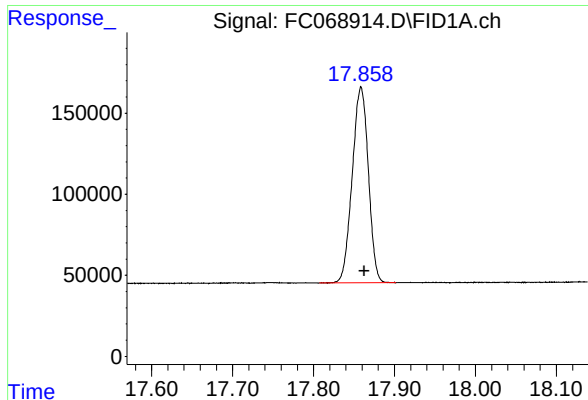
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 1634225
Conc: 19.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: -0.004 min
Response: 1621618
Conc: 19.62 ug/ml



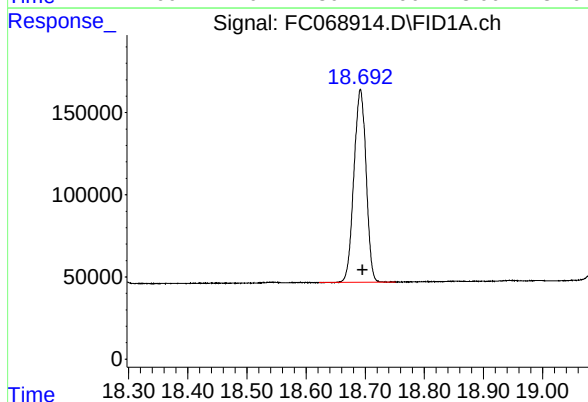
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: -0.004 min
Response: 1672527
Conc: 19.77 ug/ml

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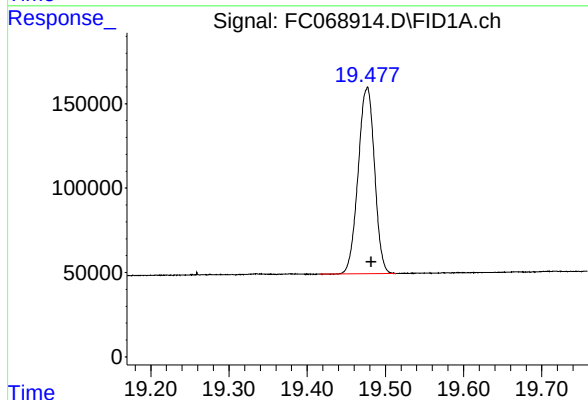
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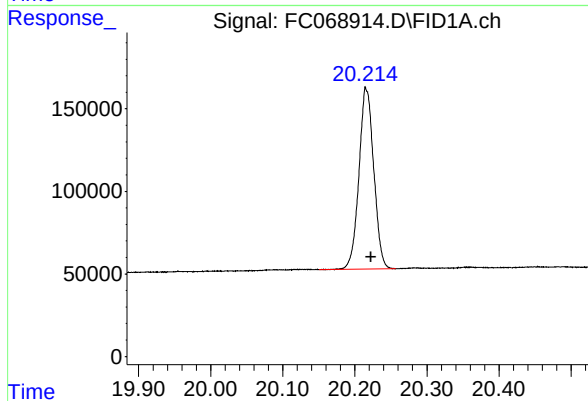
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: -0.003 min
Response: 1685769
Conc: 19.57 ug/ml



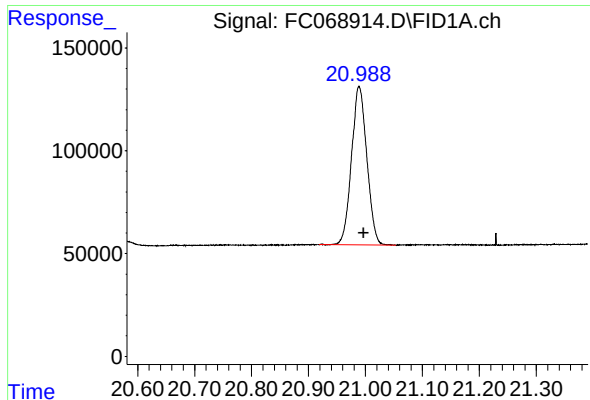
#19 n-Tetatriacontane (C34)

R.T.: 19.476 min
Delta R.T.: -0.005 min
Response: 1609190
Conc: 18.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.216 min
Delta R.T.: -0.006 min
Response: 1564547
Conc: 18.20 ug/ml



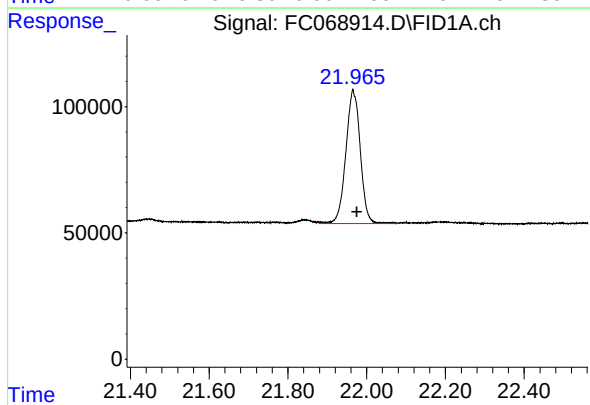
#21 n-Octatriacontane (C38)

R.T.: 20.989 min
Delta R.T.: -0.007 min
Response: 1441261
Conc: 17.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.011 min
Response: 1353579
Conc: 16.52 ug/ml m