

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011025AL\
 Data File : FC068090.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jan 2025 09:22
 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 01/13/2025
 Supervised By :Ankita Jodhani 01/13/2025

Integration File: autoint1.e
 Quant Time: Jan 10 22:05:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 123124.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 12:18:53 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)	11.432	3127499	20.335 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	12.872	2287144	20.150 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
Target Compounds			
1) T n-Nonane (C9)	3.235	2749919	20.048 ug/ml
2) T n-Decane (C10)	4.293	2797527	20.241 ug/ml
3) T A~Naphthalene (C11.7)	5.863	3037556	20.200 ug/ml
4) T n-Dodecane (C12)	6.303	2804606	20.282 ug/ml
5) T A~2-methylnaphthalene...	6.915	2928215	20.287 ug/ml
6) T n-Tetradecane (C14)	8.091	2736683	20.251 ug/ml
7) T n-Hexadecane (C16)	9.687	2780250	20.258 ug/ml
8) T n-Octadecane (C18)	11.125	2784132	20.225 ug/ml
10) T n-Eicosane (C20)	12.431	2656886	20.254 ug/ml
11) T n-Heneicosane (C21)	13.040	2600610	20.232 ug/ml
13) T n-Docosane (C22)	13.625	2589076	20.414 ug/ml
14) T n-Tetracosane (C24)	14.726	2593072	20.771 ug/ml
15) T n-Hexacosane (C26)	15.744	2544801	20.886 ug/ml
16) T n-Octacosane (C28)	16.691	2525824	21.256 ug/ml
17) T n-Tricontane (C30)	17.578	2571002	21.542 ug/ml
18) T n-Dotriacontane (C32)	18.409	2472803	21.734 ug/ml
19) T n-Tetratriacontane (C34)	19.189	2137431	21.472 ug/mlm
20) T n-Hexatriacontane (C36)	19.927	1813807	20.870 ug/mlm
21) T n-Octatriacontane (C38)	20.641	1669728	20.210 ug/mlm
22) T n-Tetracontane (C40)	21.504	1506206	18.722 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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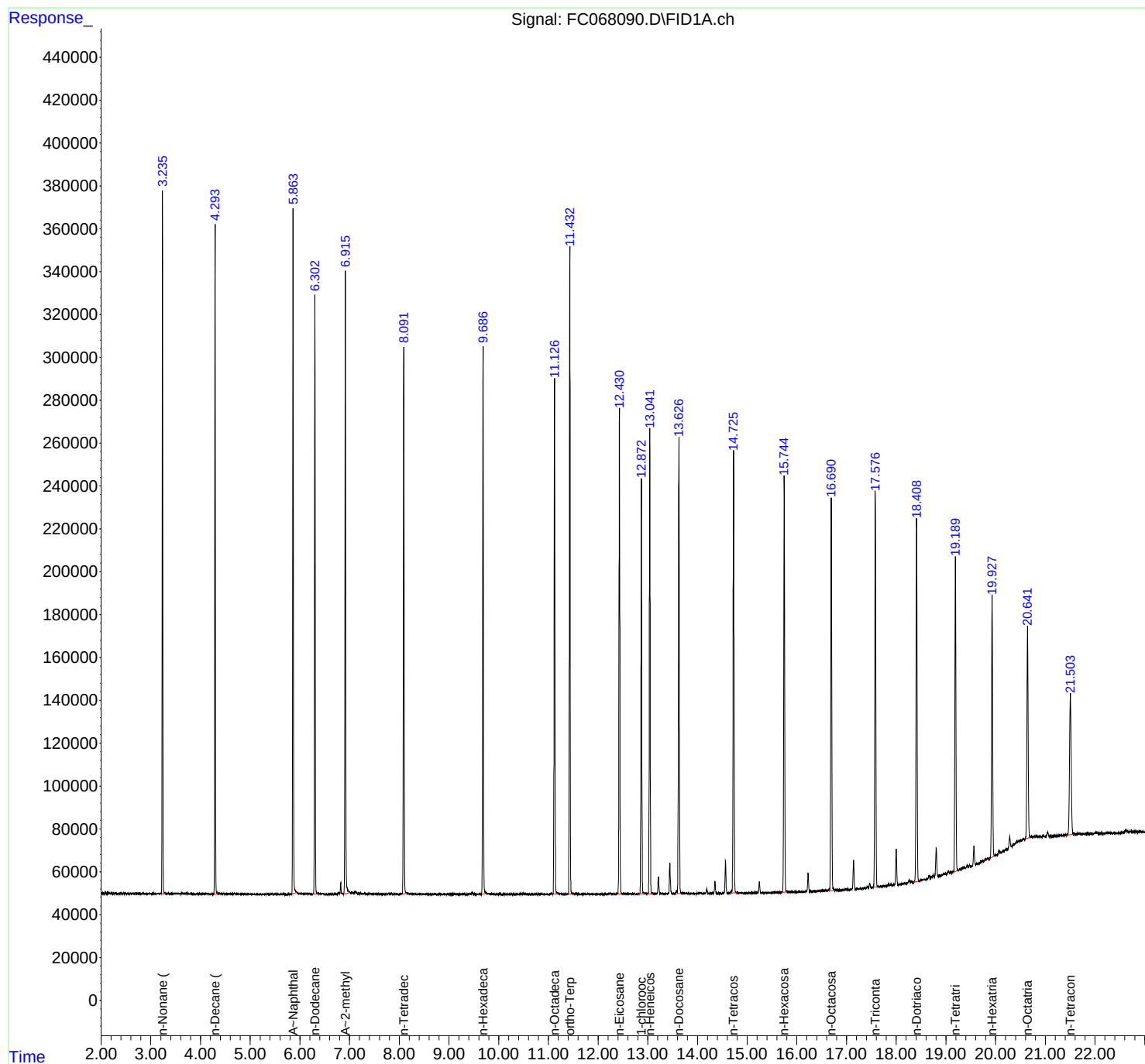
Instrument :
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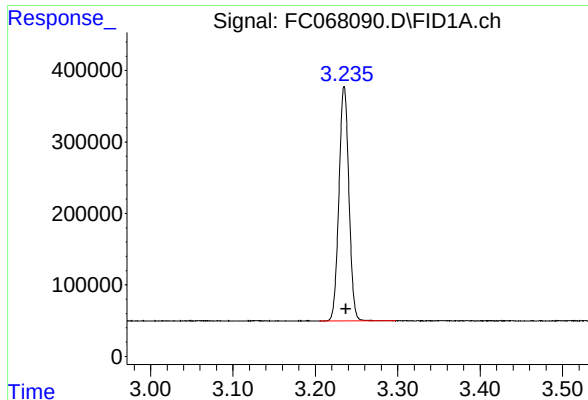
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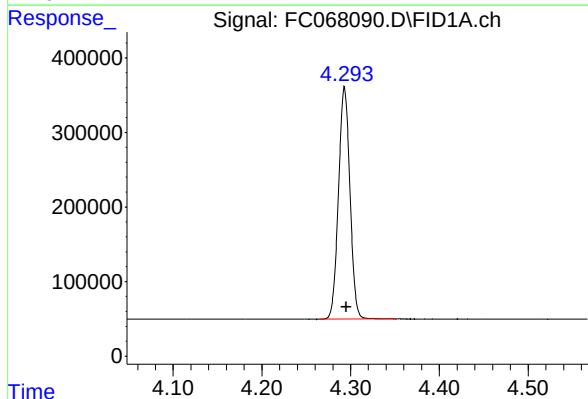
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.002 min
Response: 2749919
Conc: 20.05 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

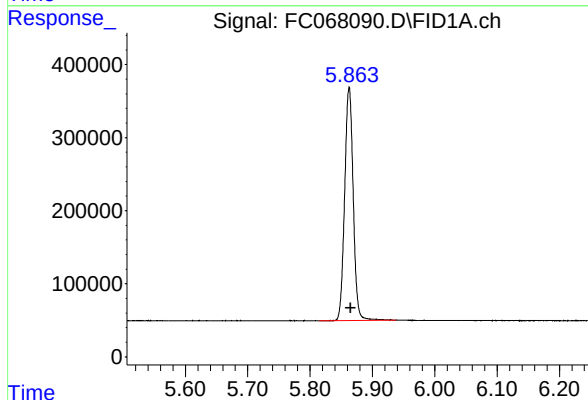
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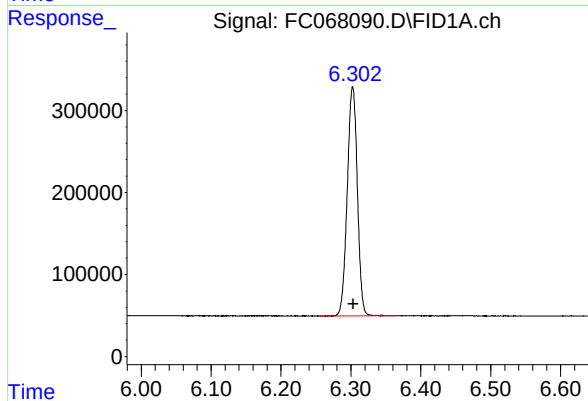
#2 n-Decane (C10)

R.T.: 4.293 min
Delta R.T.: -0.002 min
Response: 2797527
Conc: 20.24 ug/ml



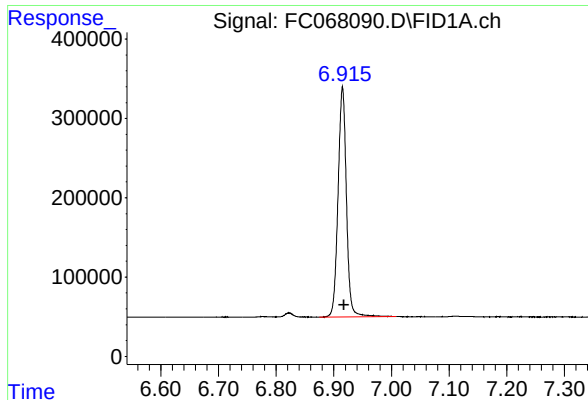
#3 A~Naphthalene (C11.7)

R.T.: 5.863 min
Delta R.T.: -0.003 min
Response: 3037556
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.303 min
Delta R.T.: -0.001 min
Response: 2804606
Conc: 20.28 ug/ml



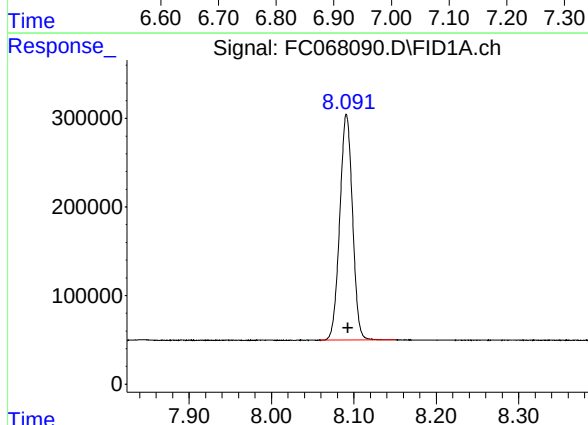
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 2928215
Conc: 20.29 ug/ml

Instrument :
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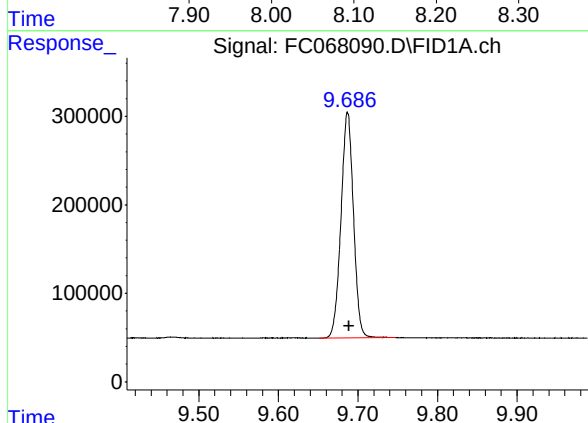
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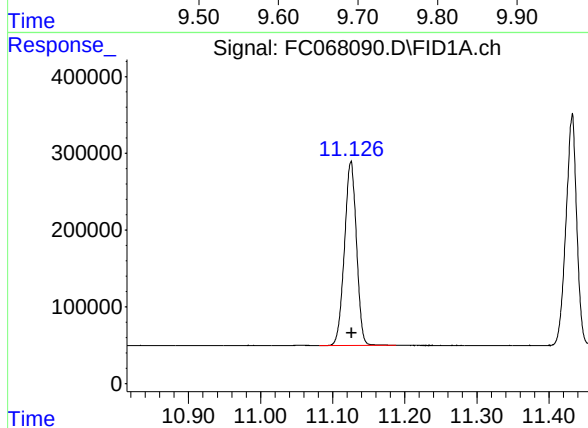
#6 n-Tetradecane (C14)

R.T.: 8.091 min
Delta R.T.: -0.002 min
Response: 2736683
Conc: 20.25 ug/ml



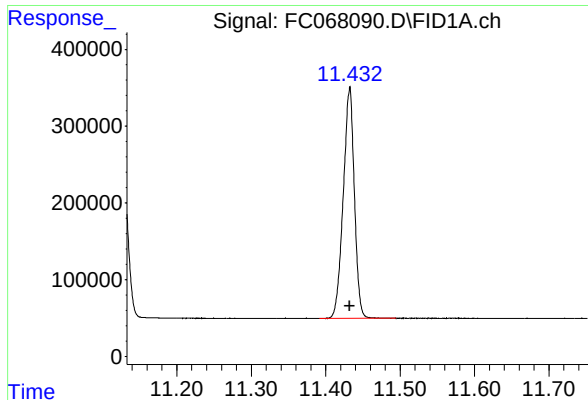
#7 n-Hexadecane (C16)

R.T.: 9.687 min
Delta R.T.: -0.002 min
Response: 2780250
Conc: 20.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.125 min
Delta R.T.: -0.001 min
Response: 2784132
Conc: 20.23 ug/ml



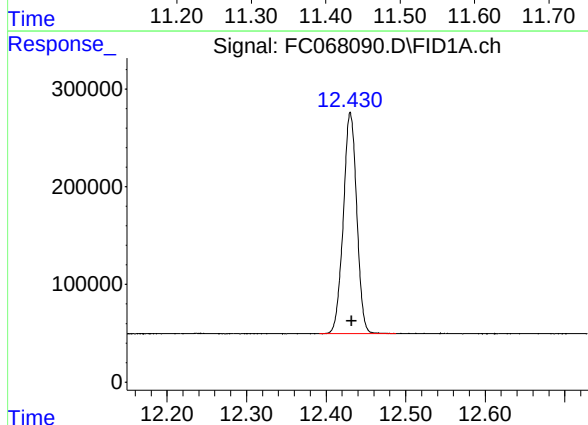
#9 ortho-Terphenyl (SURR)

R.T.: 11.432 min
Delta R.T.: 0.000 min
Response: 3127499
Conc: 20.34 ug/ml

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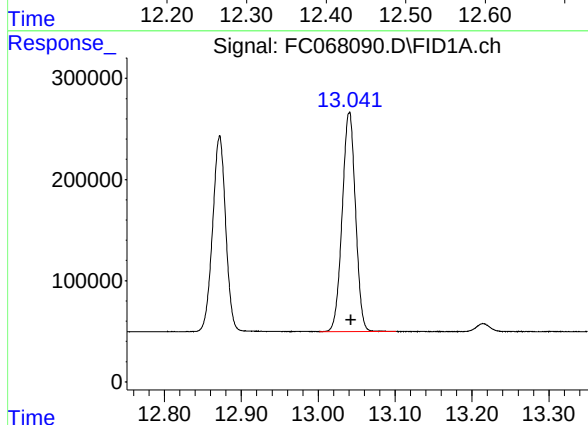
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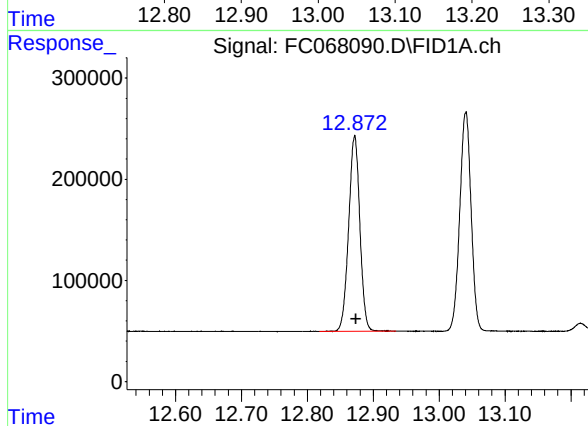
#10 n-Eicosane (C20)

R.T.: 12.431 min
Delta R.T.: -0.002 min
Response: 2656886
Conc: 20.25 ug/ml



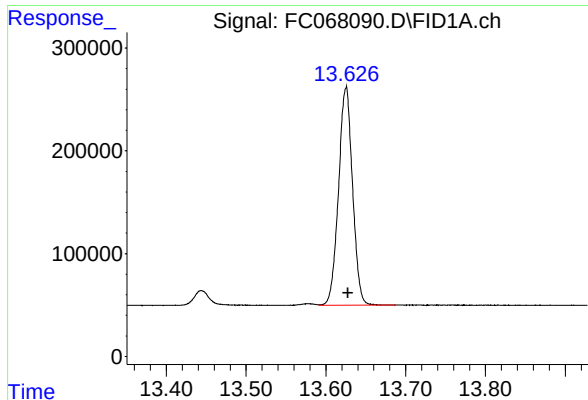
#11 n-Heneicosane (C21)

R.T.: 13.040 min
Delta R.T.: -0.002 min
Response: 2600610
Conc: 20.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.872 min
Delta R.T.: -0.002 min
Response: 2287144
Conc: 20.15 ug/ml



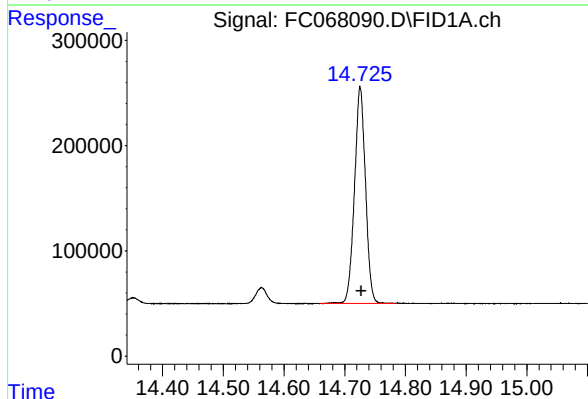
#13 n-Docosane (C22)

R.T.: 13.625 min
Delta R.T.: -0.003 min
Response: 2589076
Conc: 20.41 ug/ml

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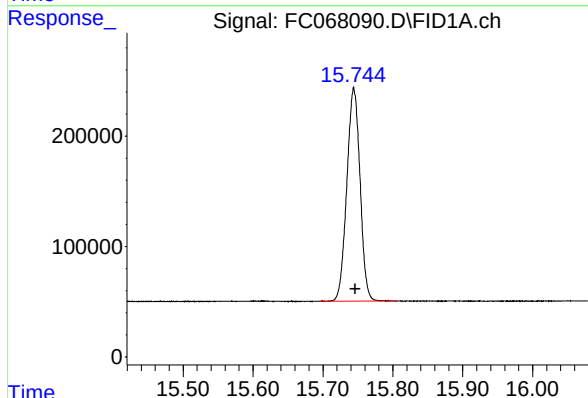
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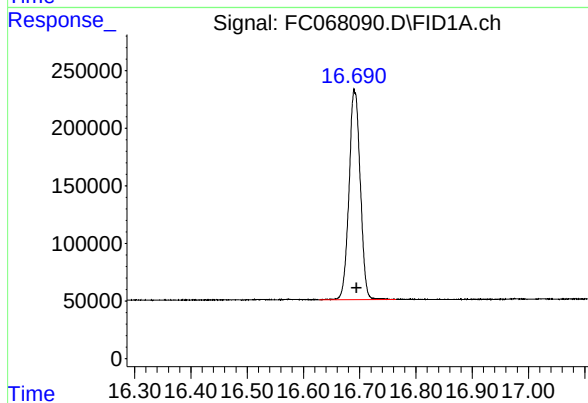
#14 n-Tetracosane (C24)

R.T.: 14.726 min
Delta R.T.: -0.002 min
Response: 2593072
Conc: 20.77 ug/ml



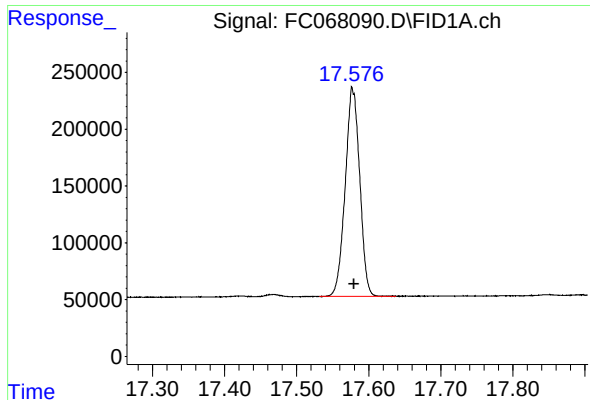
#15 n-Hexacosane (C26)

R.T.: 15.744 min
Delta R.T.: -0.002 min
Response: 2544801
Conc: 20.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.691 min
Delta R.T.: -0.003 min
Response: 2525824
Conc: 21.26 ug/ml



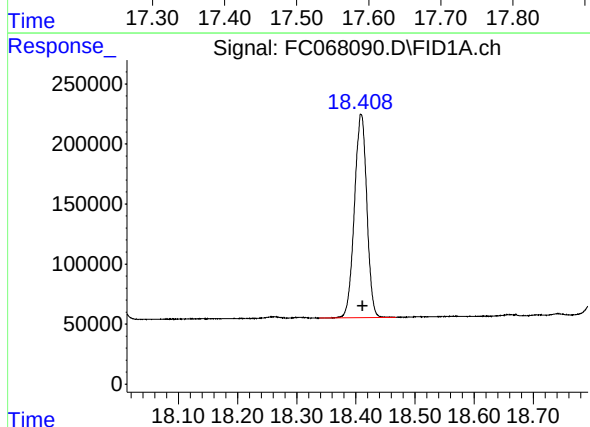
#17 n-Tricontane (C30)

R.T.: 17.578 min
Delta R.T.: -0.002 min
Response: 2571002
Conc: 21.54 ug/ml

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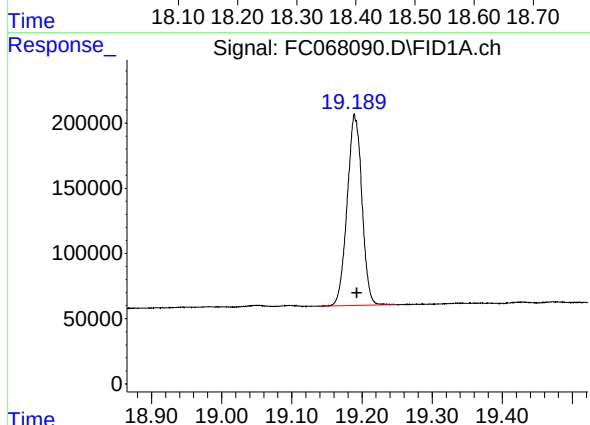
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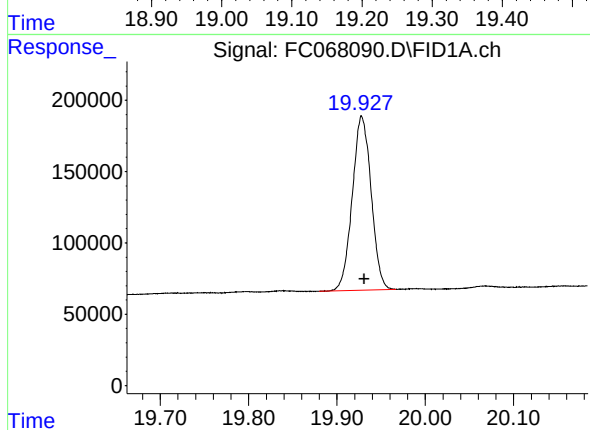
#18 n-Dotriacontane (C32)

R.T.: 18.409 min
Delta R.T.: -0.002 min
Response: 2472803
Conc: 21.73 ug/ml



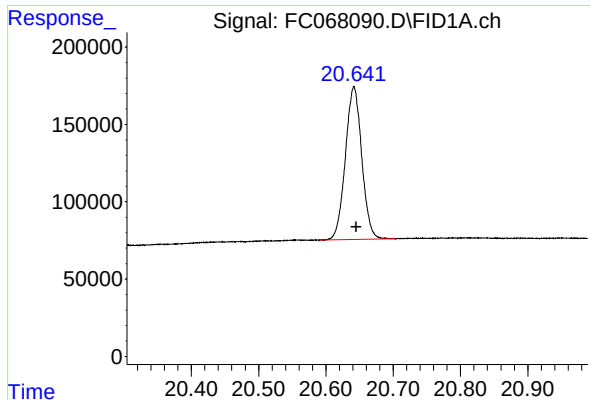
#19 n-Tetratriacontane (C34)

R.T.: 19.189 min
Delta R.T.: -0.004 min
Response: 2137431
Conc: 21.47 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.927 min
Delta R.T.: -0.004 min
Response: 1813807
Conc: 20.87 ug/ml m



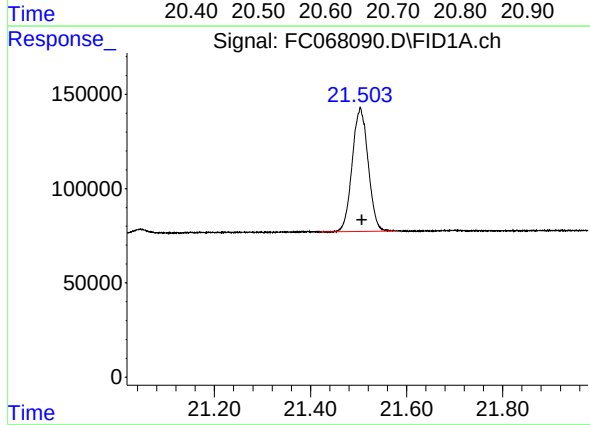
#21 n-Octatriacontane (C38)

R.T.: 20.641 min
Delta R.T.: -0.004 min
Response: 1669728
Conc: 20.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.504 min
Delta R.T.: -0.003 min
Response: 1506206
Conc: 18.72 ug/ml