

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051625AL\
 Data File : FC068900.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 10:44
 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 05/19/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File: autoint1.e
 Quant Time: May 19 06:09:11 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	2170208	19.014 ug/ml
Spiked Amount 50.000		Recovery =	38.03%
12) S 1-chlorooctadecane (S...	13.141	1592002	19.844 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
Target Compounds			
1) T n-Nonane (C9)	3.440	1965146	19.538 ug/ml
2) T n-Decane (C10)	4.515	1952251	19.593 ug/ml
3) T A~Naphthalene (C11.7)	6.112	2102828	19.071 ug/ml
4) T n-Dodecane (C12)	6.540	1910646	19.661 ug/ml
5) T A~2-methylnaphthalene...	7.171	2048065	19.081 ug/ml
6) T n-Tetradecane (C14)	8.338	1825124	19.747 ug/ml
7) T n-Hexadecane (C16)	9.940	1778631	19.863 ug/ml
8) T n-Octadecane (C18)	11.384	1743775	19.879 ug/ml
10) T n-Eicosane (C20)	12.695	1702098	19.973 ug/ml
11) T n-Heneicosane (C21)	13.308	1684756	19.975 ug/ml
13) T n-Docosane (C22)	13.894	1672906	19.997 ug/ml
14) T n-Tetracosane (C24)	14.998	1657776	19.924 ug/ml
15) T n-Hexacosane (C26)	16.019	1637606	19.765 ug/ml
16) T n-Octacosane (C28)	16.971	1624960	19.662 ug/ml
17) T n-Tricontane (C30)	17.859	1664119	19.668 ug/ml
18) T n-Dotriacontane (C32)	18.693	1682748	19.536 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1640708	19.257 ug/mlm
20) T n-Hexatriacontane (C36)	20.219	1628755	18.950 ug/ml
21) T n-Octatriacontane (C38)	20.991	1581692	18.856 ug/ml
22) T n-Tetracontane (C40)	21.968	1580413	19.284 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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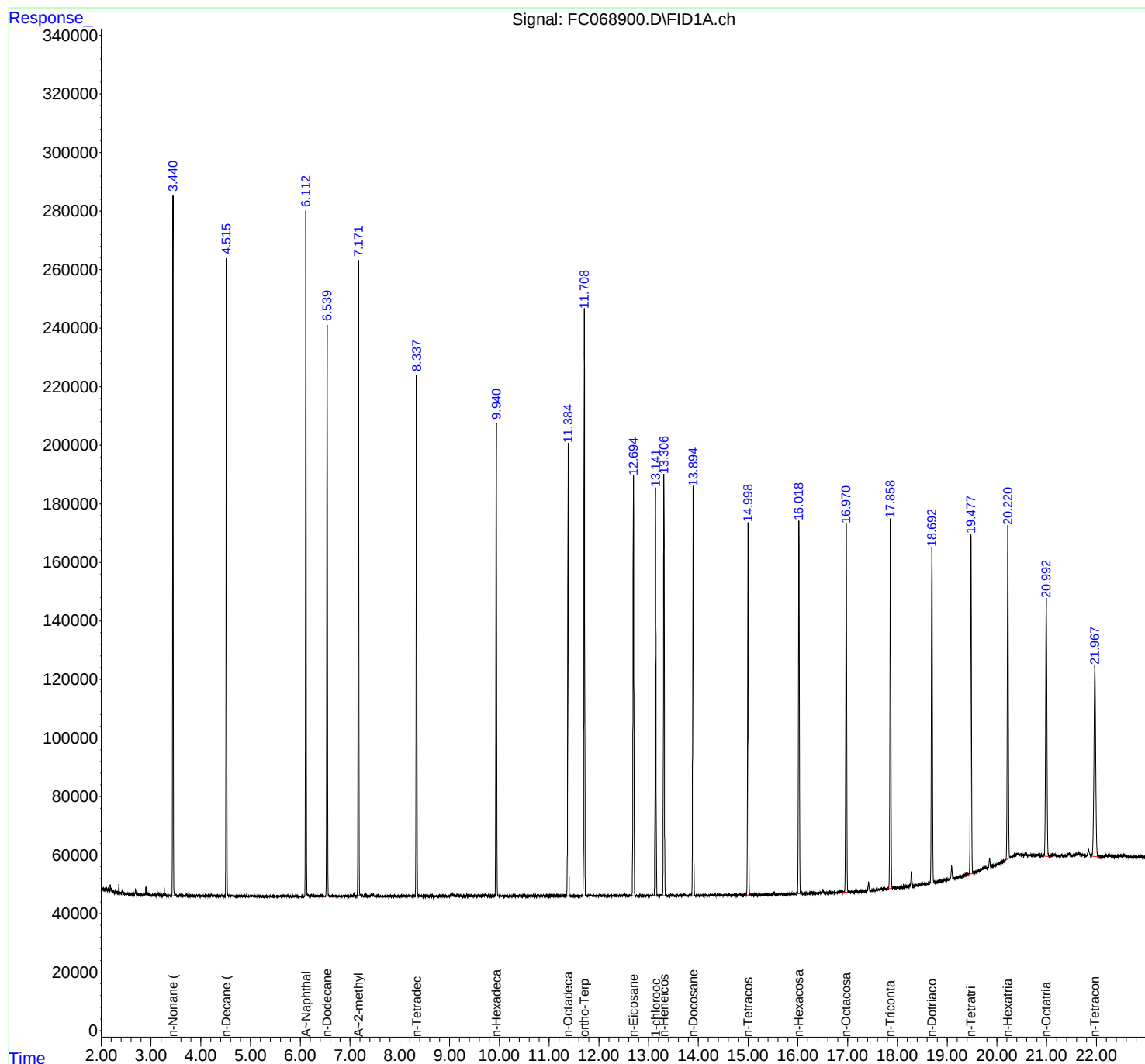
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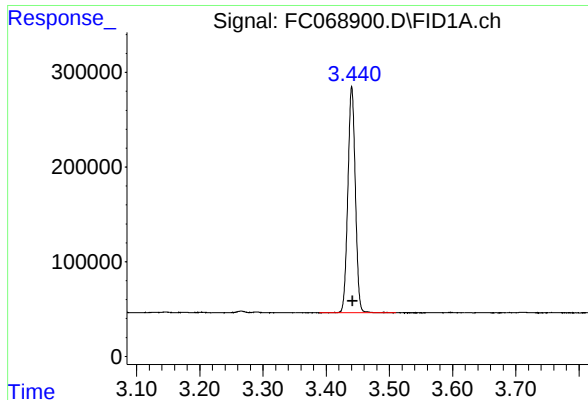
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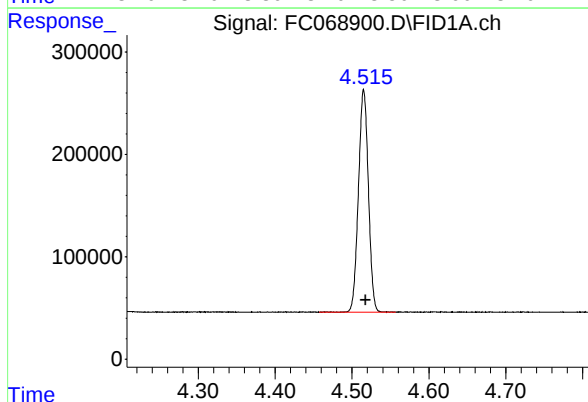
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: -0.002 min
Response: 1965146
Conc: 19.54 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

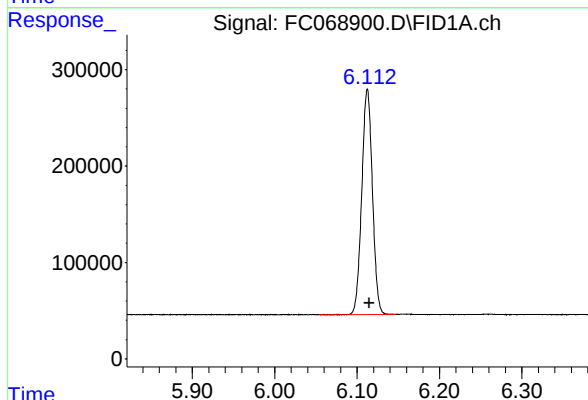
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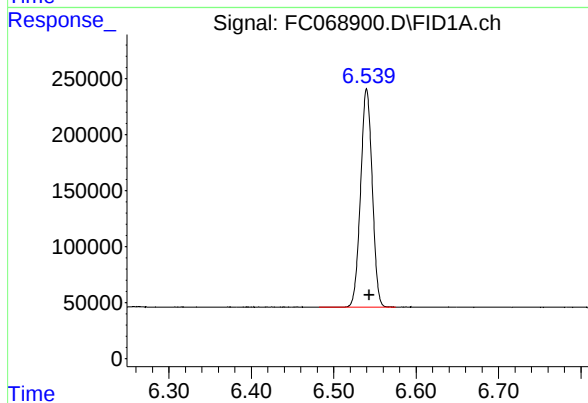
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.003 min
Response: 1952251
Conc: 19.59 ug/ml



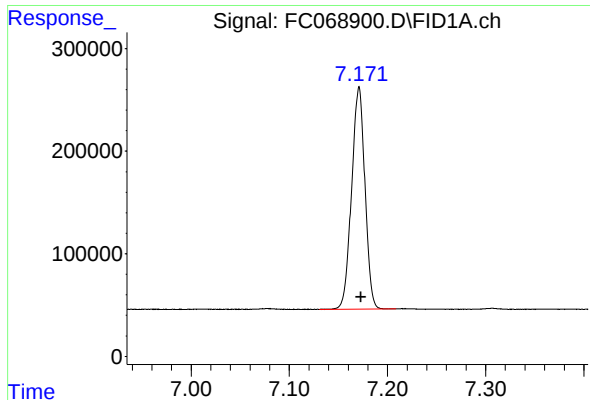
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.002 min
Response: 2102828
Conc: 19.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: -0.003 min
Response: 1910646
Conc: 19.66 ug/ml



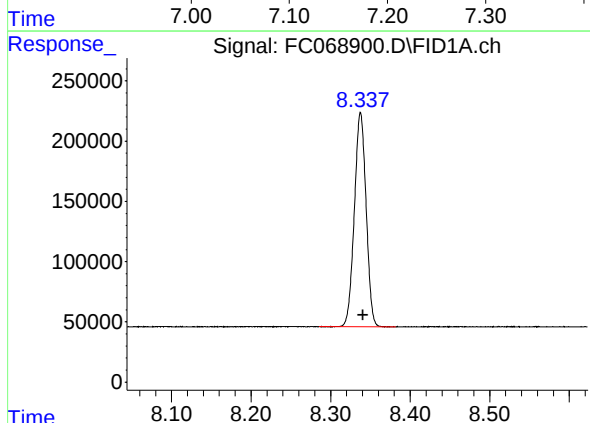
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 2048065
Conc: 19.08 ug/ml

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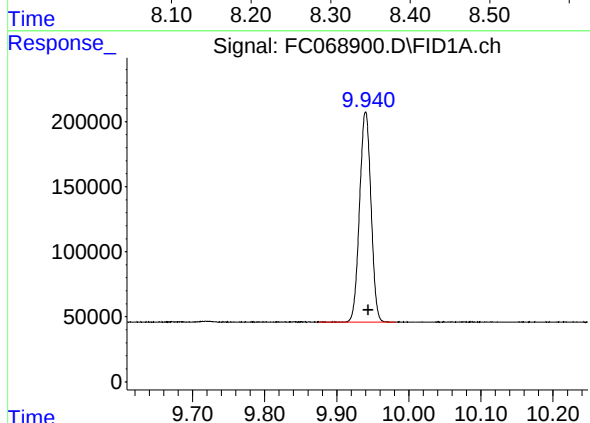
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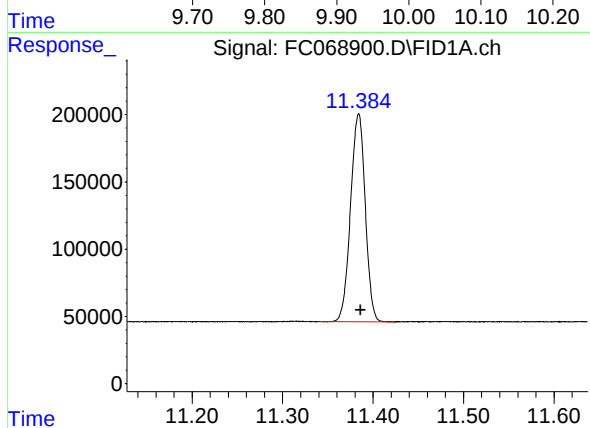
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 1825124
Conc: 19.75 ug/ml



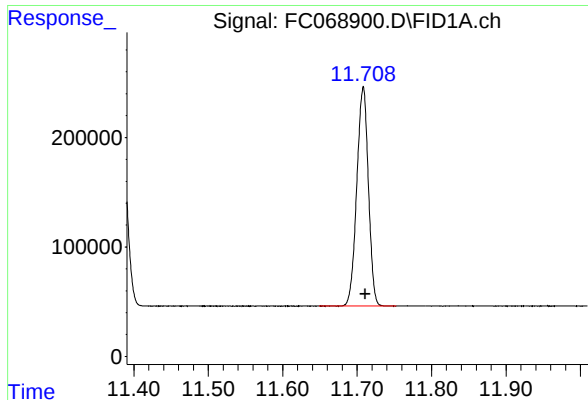
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.004 min
Response: 1778631
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.384 min
Delta R.T.: -0.002 min
Response: 1743775
Conc: 19.88 ug/ml



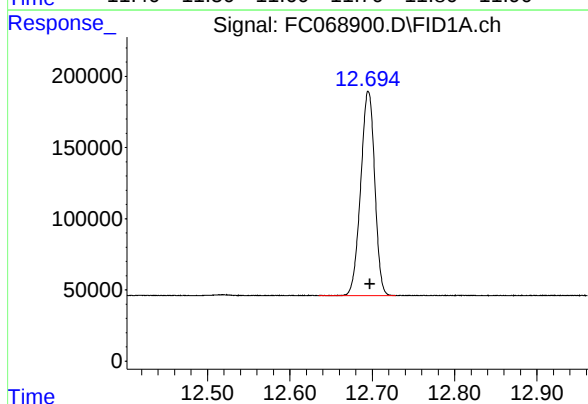
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: -0.003 min
Response: 2170208
Conc: 19.01 ug/ml

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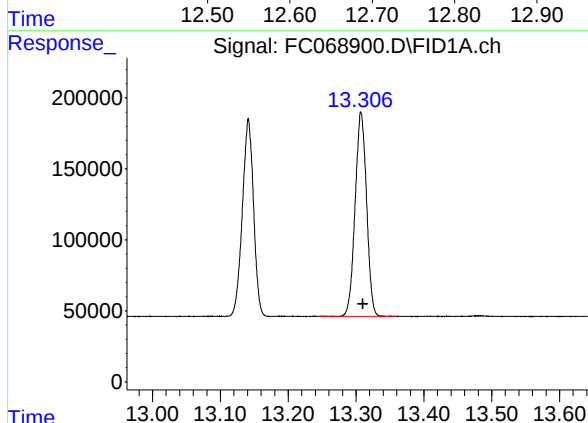
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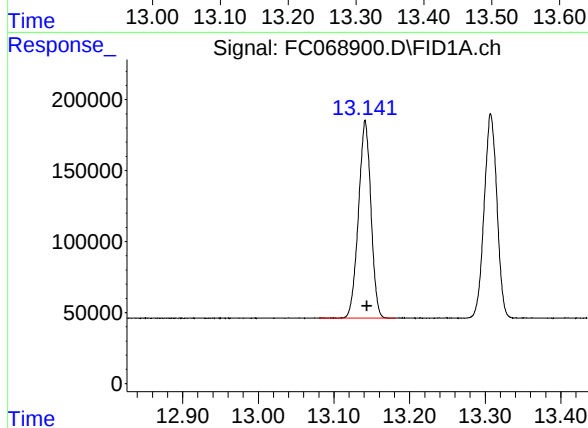
#10 n-Eicosane (C20)

R.T.: 12.695 min
Delta R.T.: -0.002 min
Response: 1702098
Conc: 19.97 ug/ml



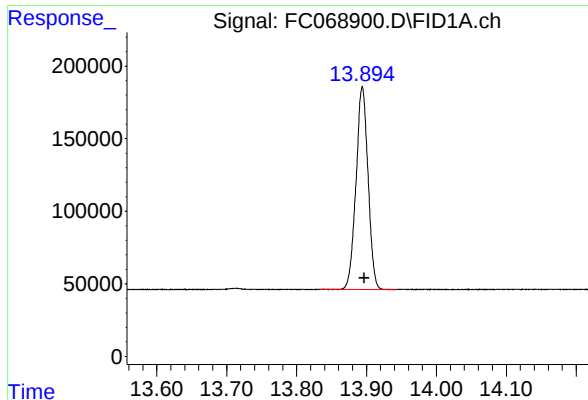
#11 n-Heneicosane (C21)

R.T.: 13.308 min
Delta R.T.: -0.003 min
Response: 1684756
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.141 min
Delta R.T.: -0.003 min
Response: 1592002
Conc: 19.84 ug/ml



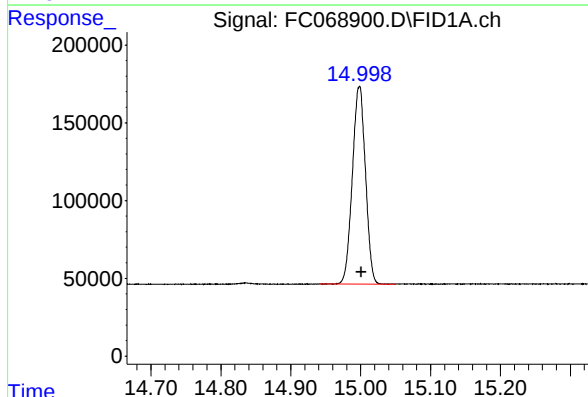
#13 n-Docosane (C22)

R.T.: 13.894 min
Delta R.T.: -0.003 min
Response: 1672906
Conc: 20.00 ug/ml

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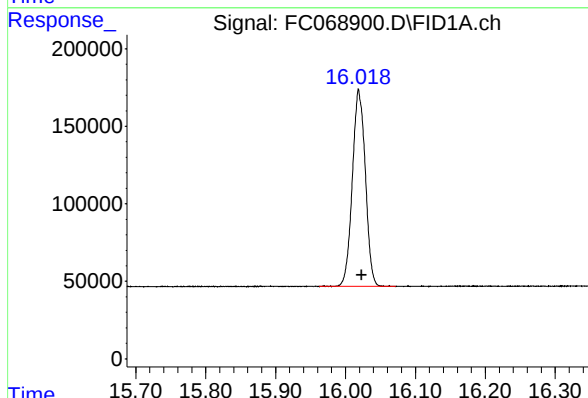
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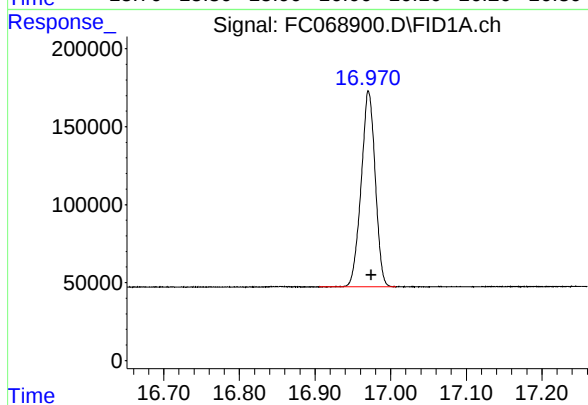
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.003 min
Response: 1657776
Conc: 19.92 ug/ml



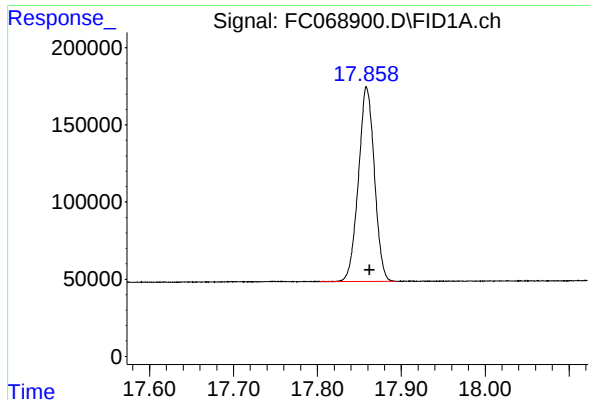
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 1637606
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.971 min
Delta R.T.: -0.003 min
Response: 1624960
Conc: 19.66 ug/ml



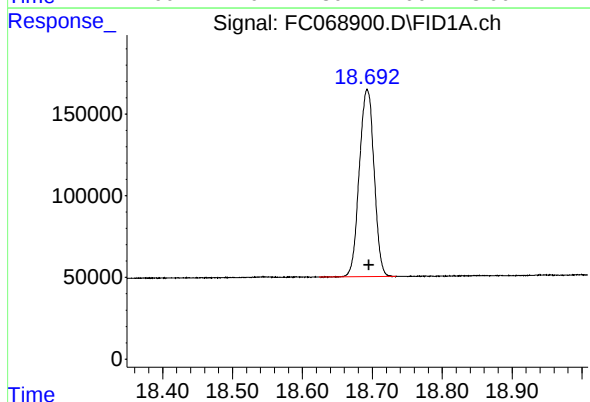
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: -0.004 min
Response: 1664119
Conc: 19.67 ug/ml

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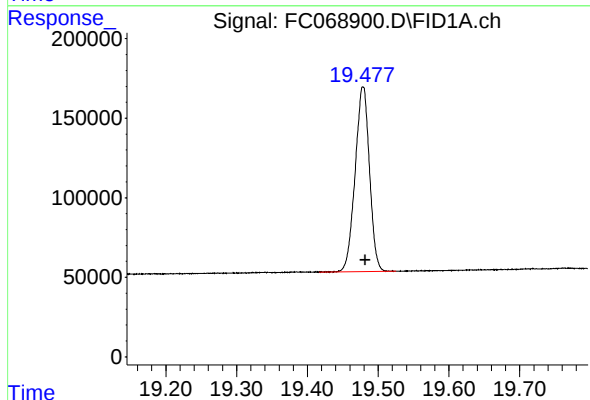
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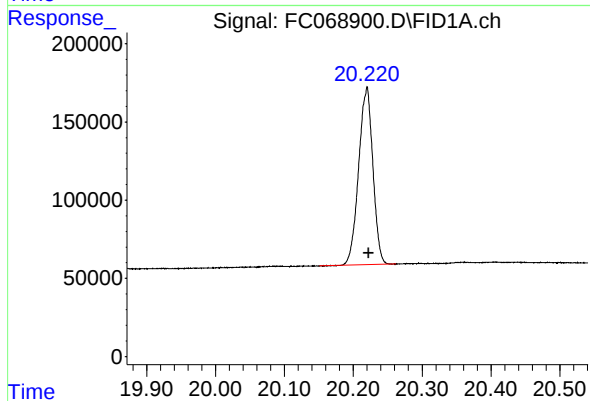
#18 n-Dotriacontane (C32)

R.T.: 18.693 min
Delta R.T.: -0.003 min
Response: 1682748
Conc: 19.54 ug/ml



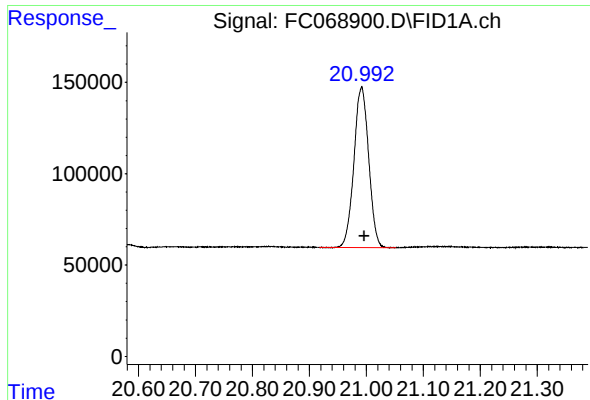
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: -0.004 min
Response: 1640708
Conc: 19.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.219 min
Delta R.T.: -0.003 min
Response: 1628755
Conc: 18.95 ug/ml



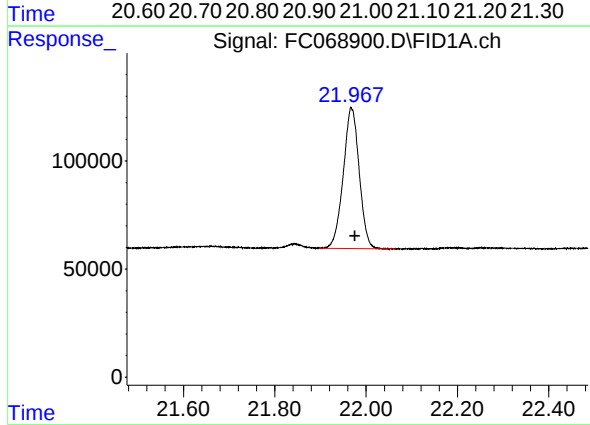
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: -0.005 min
Response: 1581692
Conc: 18.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.008 min
Response: 1580413
Conc: 19.28 ug/ml