

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
 Data File : FC068847.D
 Signal(s) : FID1A.ch
 Acq On : 13 May 2025 13:26
 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 05/14/2025
 Supervised By :mohammad ahmed 05/15/2025

Integration File: autoint1.e
 Quant Time: May 14 03:12:40 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)	11.707	2041576	17.887 ug/ml
Spiked Amount 50.000		Recovery =	35.77%
12) S 1-chlorooctadecane (S...	13.140	1510379	18.827 ug/ml
Spiked Amount 50.000		Recovery =	37.65%
Target Compounds			
1) T n-Nonane (C9)	3.441	1664991	16.554 ug/ml
2) T n-Decane (C10)	4.516	1708898	17.150 ug/ml
3) T A~Naphthalene (C11.7)	6.113	1860581	16.874 ug/ml
4) T n-Dodecane (C12)	6.541	1702226	17.517 ug/ml
5) T A~2-methylnaphthalene...	7.171	1832129	17.070 ug/ml
6) T n-Tetradecane (C14)	8.337	1671463	18.085 ug/ml
7) T n-Hexadecane (C16)	9.940	1670747	18.658 ug/ml
8) T n-Octadecane (C18)	11.383	1655681	18.875 ug/ml
10) T n-Eicosane (C20)	12.694	1619601	19.005 ug/ml
11) T n-Heneicosane (C21)	13.306	1603112	19.007 ug/ml
13) T n-Docosane (C22)	13.892	1599262	19.117 ug/ml
14) T n-Tetracosane (C24)	14.996	1601636	19.249 ug/ml
15) T n-Hexacosane (C26)	16.019	1601013	19.323 ug/ml
16) T n-Octacosane (C28)	16.970	1692923	20.484 ug/ml
17) T n-Tricontane (C30)	17.858	1922922	22.726 ug/ml
18) T n-Dotriacontane (C32)	18.691	2015489	23.399 ug/mlm
19) T n-Tetratriacontane (C34)	19.476	1910773	22.427 ug/ml
20) T n-Hexatriacontane (C36)	20.216	1807445	21.029 ug/ml
21) T n-Octatriacontane (C38)	20.987	1739556	20.738 ug/ml
22) T n-Tetracontane (C40)	21.964	1723068	21.024 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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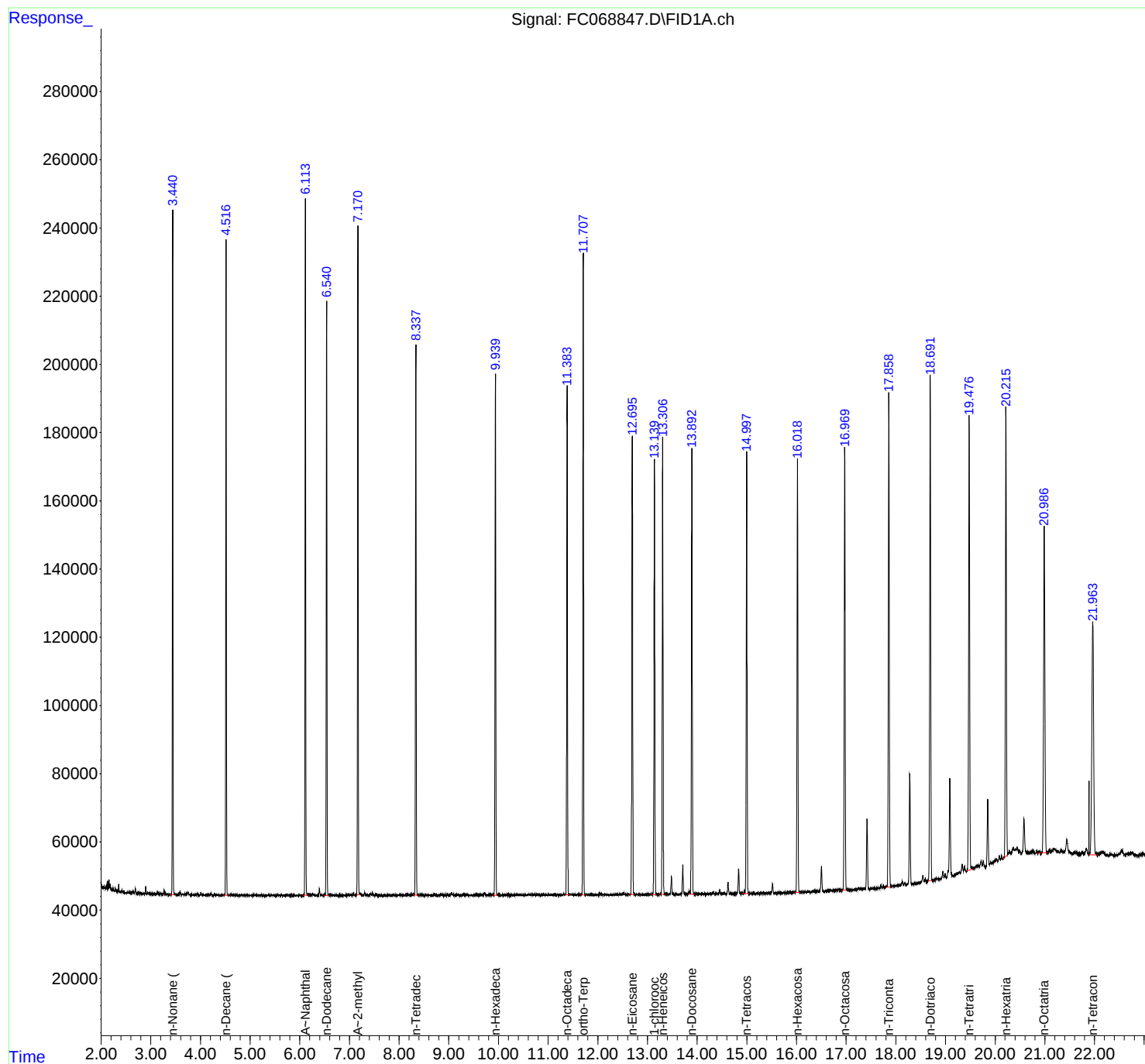
Instrument :
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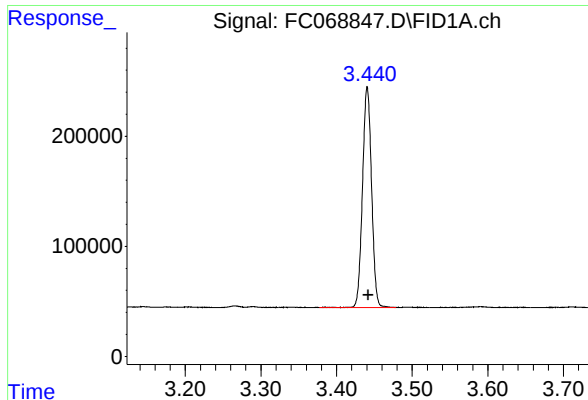
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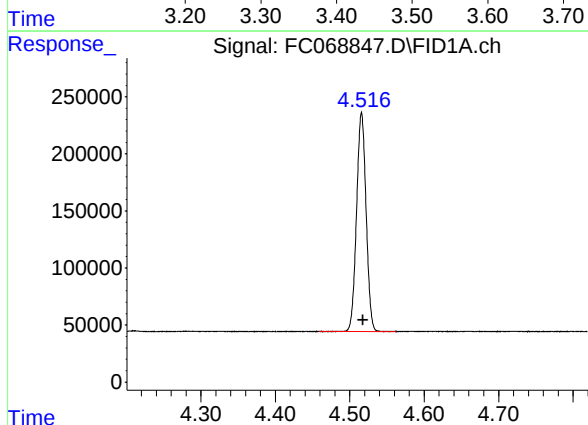
#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: -0.001 min
Response: 1664991
Conc: 16.55 ug/ml

Instrument :
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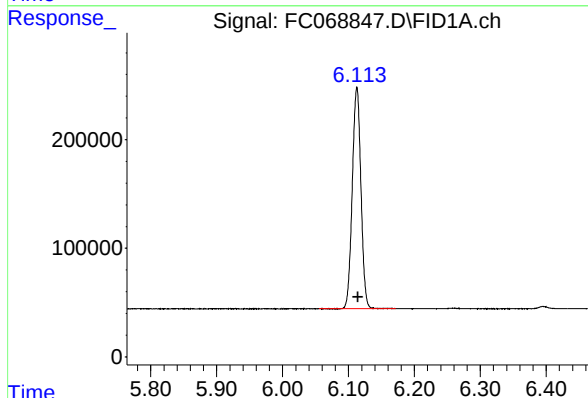
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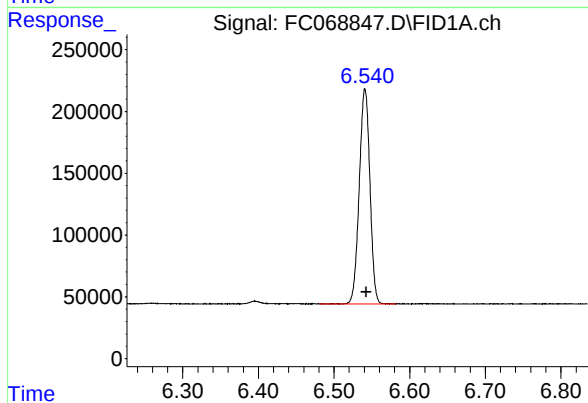
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1708898
Conc: 17.15 ug/ml



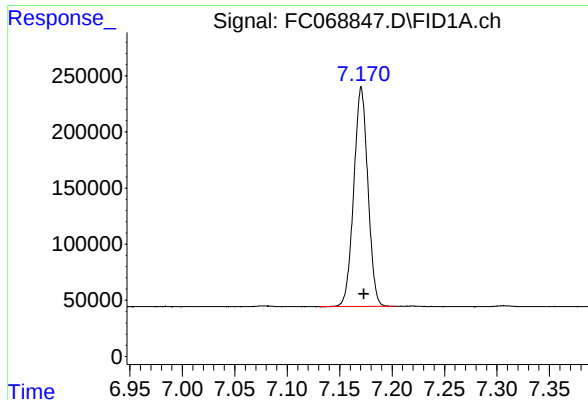
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min
Delta R.T.: -0.002 min
Response: 1860581
Conc: 16.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 1702226
Conc: 17.52 ug/ml



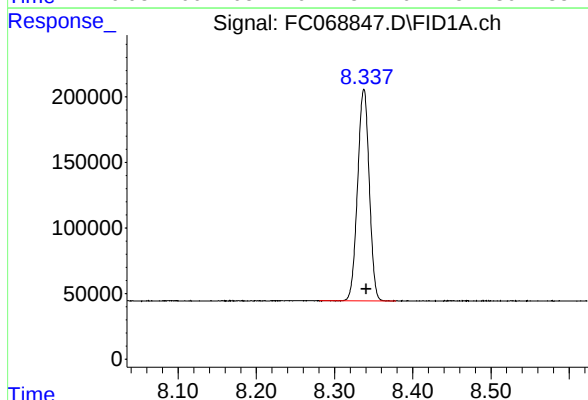
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 1832129
Conc: 17.07 ug/ml

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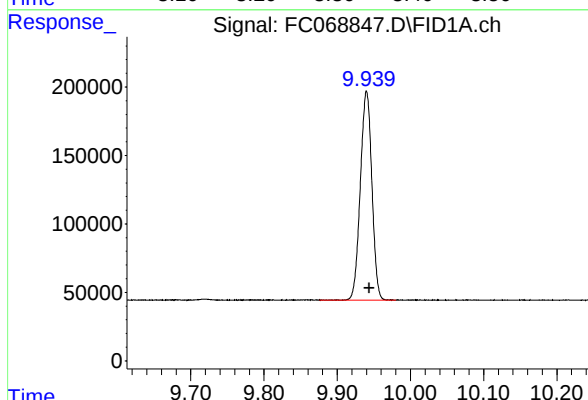
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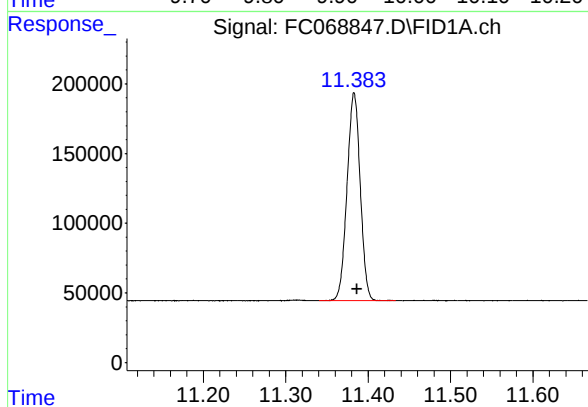
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.003 min
Response: 1671463
Conc: 18.08 ug/ml



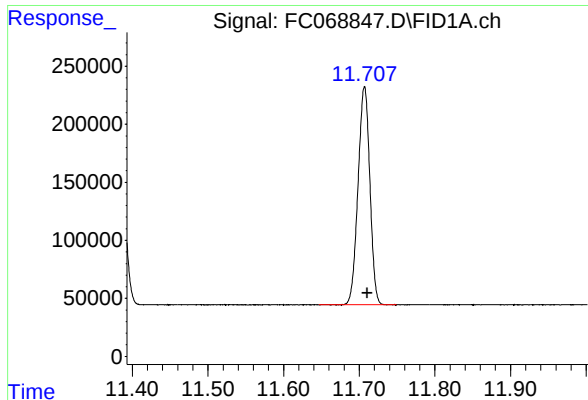
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.004 min
Response: 1670747
Conc: 18.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: -0.003 min
Response: 1655681
Conc: 18.88 ug/ml



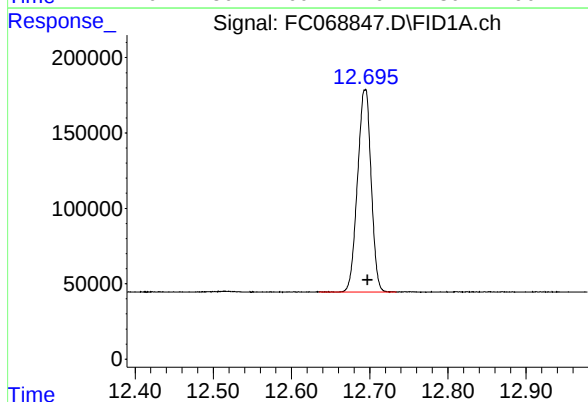
#9 ortho-Terphenyl (SURR)

R.T.: 11.707 min
Delta R.T.: -0.004 min
Response: 2041576
Conc: 17.89 ug/ml

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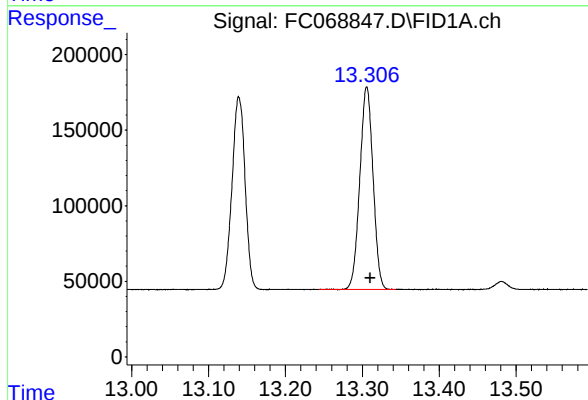
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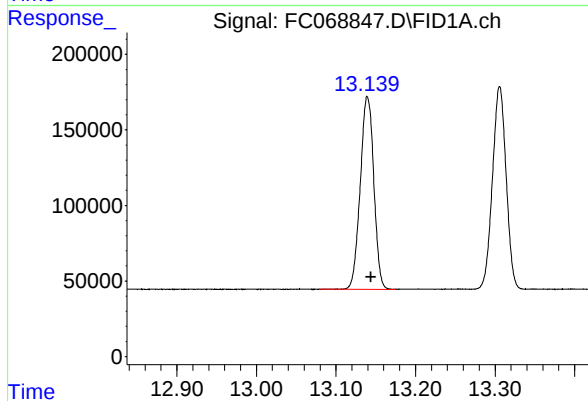
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: -0.003 min
Response: 1619601
Conc: 19.01 ug/ml



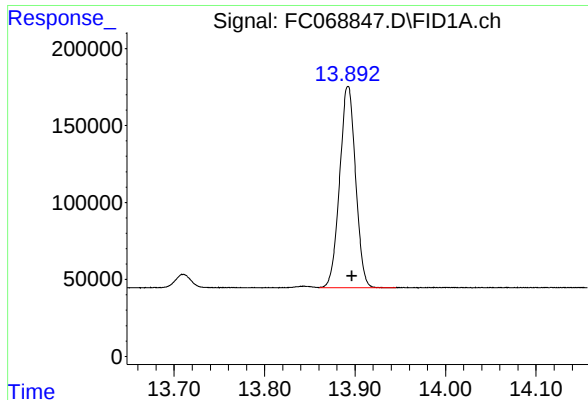
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.005 min
Response: 1603112
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: -0.004 min
Response: 1510379
Conc: 18.83 ug/ml



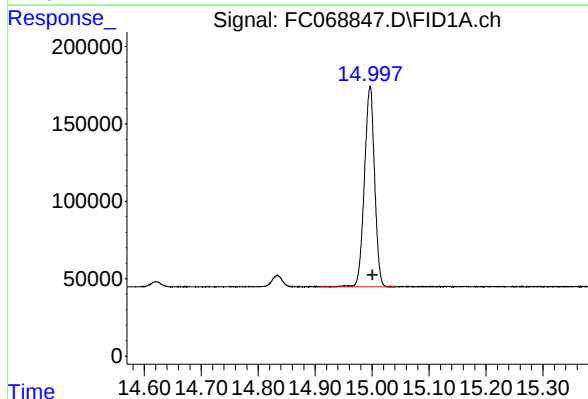
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1599262
Conc: 19.12 ug/ml

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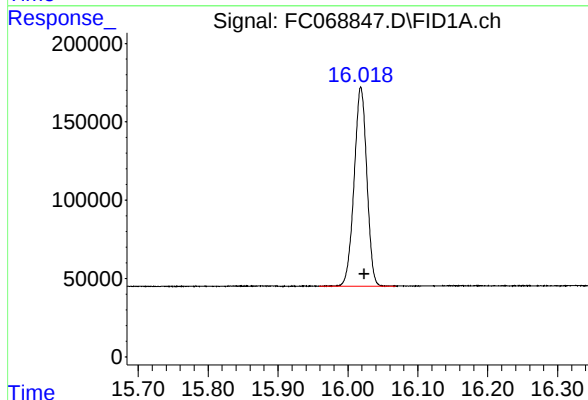
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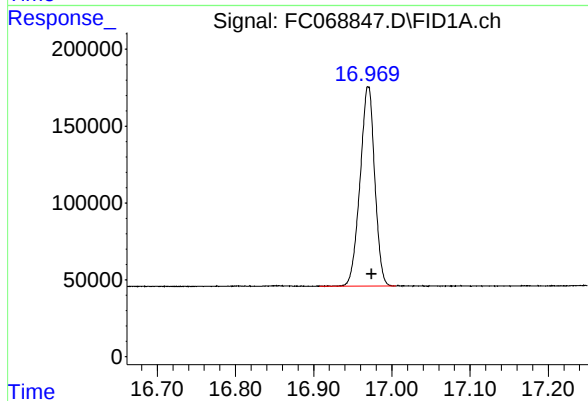
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.005 min
Response: 1601636
Conc: 19.25 ug/ml



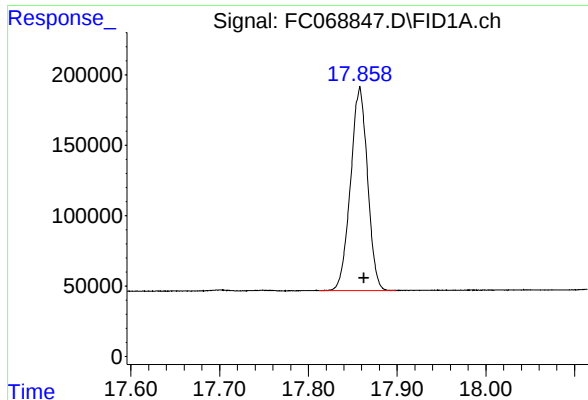
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: -0.005 min
Response: 1601013
Conc: 19.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: -0.004 min
Response: 1692923
Conc: 20.48 ug/ml



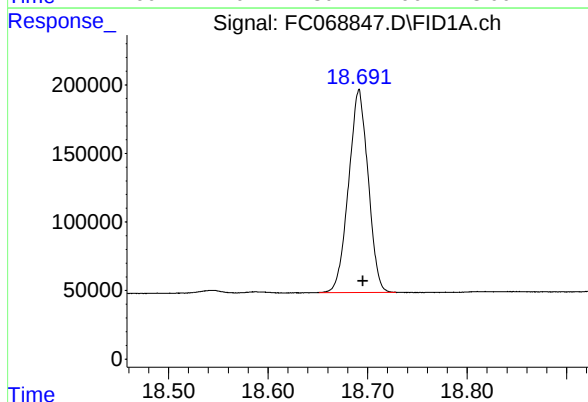
#17 n-Tricontane (C30)

R.T.: 17.858 min
Delta R.T.: -0.005 min
Response: 1922922
Conc: 22.73 ug/ml

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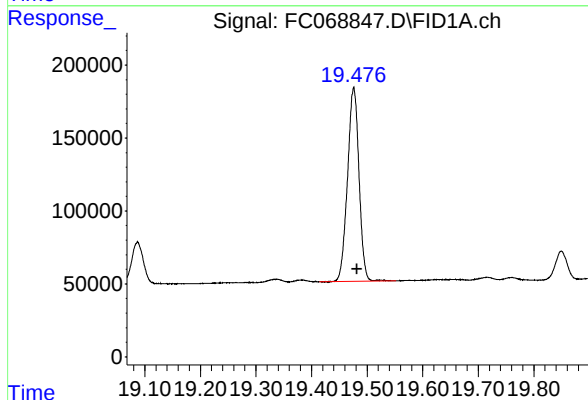
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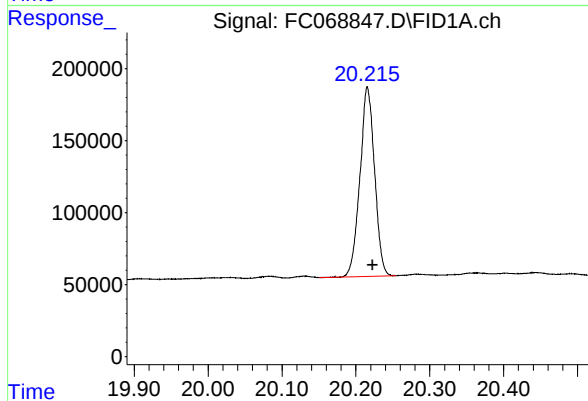
#18 n-Dotriacontane (C32)

R.T.: 18.691 min
Delta R.T.: -0.004 min
Response: 2015489
Conc: 23.40 ug/ml m



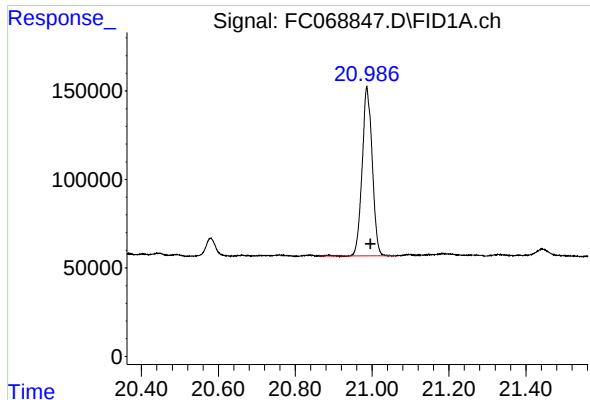
#19 n-Tetratriacontane (C34)

R.T.: 19.476 min
Delta R.T.: -0.006 min
Response: 1910773
Conc: 22.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.216 min
Delta R.T.: -0.007 min
Response: 1807445
Conc: 21.03 ug/ml



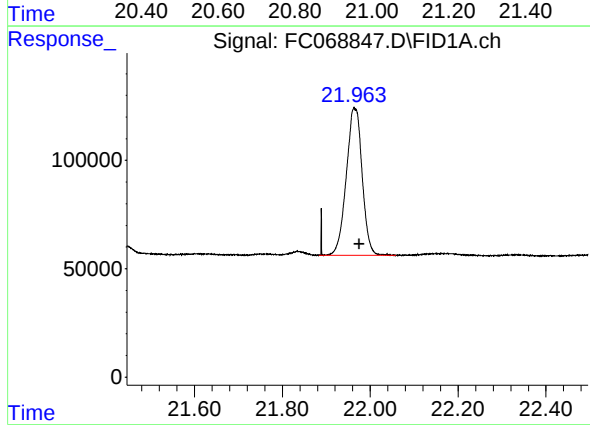
#21 n-Octatriacontane (C38)

R.T.: 20.987 min
Delta R.T.: -0.010 min
Response: 1739556
Conc: 20.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.011 min
Response: 1723068
Conc: 21.02 ug/ml