

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082925AL\
 Data File : FG016448.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 20:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 05:36:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 12:01:28 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)	12.074	2124923	16.051 ug/mlm
Spiked Amount 50.000		Recovery =	32.10%
12) S 1-chlorooctadecane (S...	13.520	1614280	16.037 ug/ml
Spiked Amount 50.000		Recovery =	32.07%
Target Compounds			
1) T n-Nonane (C9)	3.392	1776463	15.703 ug/ml
2) T n-Decane (C10)	4.654	1809864	15.723 ug/ml
3) T A~Naphthalene (C11.7)	6.374	1979678	15.942 ug/ml
4) T n-Dodecane (C12)	6.836	1828350	15.761 ug/ml
5) T A~2-methylnaphthalene...	7.477	1908085	15.996 ug/ml
6) T n-Tetradecane (C14)	8.677	1823093	15.800 ug/ml
7) T n-Hexadecane (C16)	10.296	1889014	15.826 ug/ml
8) T n-Octadecane (C18)	11.750	1922042	15.908 ug/ml
10) T n-Eicosane (C20)	13.069	1867003	16.004 ug/ml
11) T n-Heneicosane (C21)	13.687	1843613	16.040 ug/ml
13) T n-Docosane (C22)	14.277	1836992	16.078 ug/ml
14) T n-Tetracosane (C24)	15.389	1839450	16.171 ug/ml
15) T n-Hexacosane (C26)	16.417	1802273	16.231 ug/ml
16) T n-Octacosane (C28)	17.374	1746688	16.157 ug/ml
17) T n-Tricontane (C30)	18.266	1750441	16.027 ug/ml
18) T n-Dotriacontane (C32)	19.105	1675084	15.932 ug/ml
19) T n-Tetratriacontane (C34)	19.893	1525054	15.881 ug/ml
20) T n-Hexatriacontane (C36)	20.638	1320787	15.794 ug/ml
21) T n-Octatriacontane (C38)	21.424	1221958	15.870 ug/ml
22) T n-Tetracontane (C40)	22.424	1155512	15.553 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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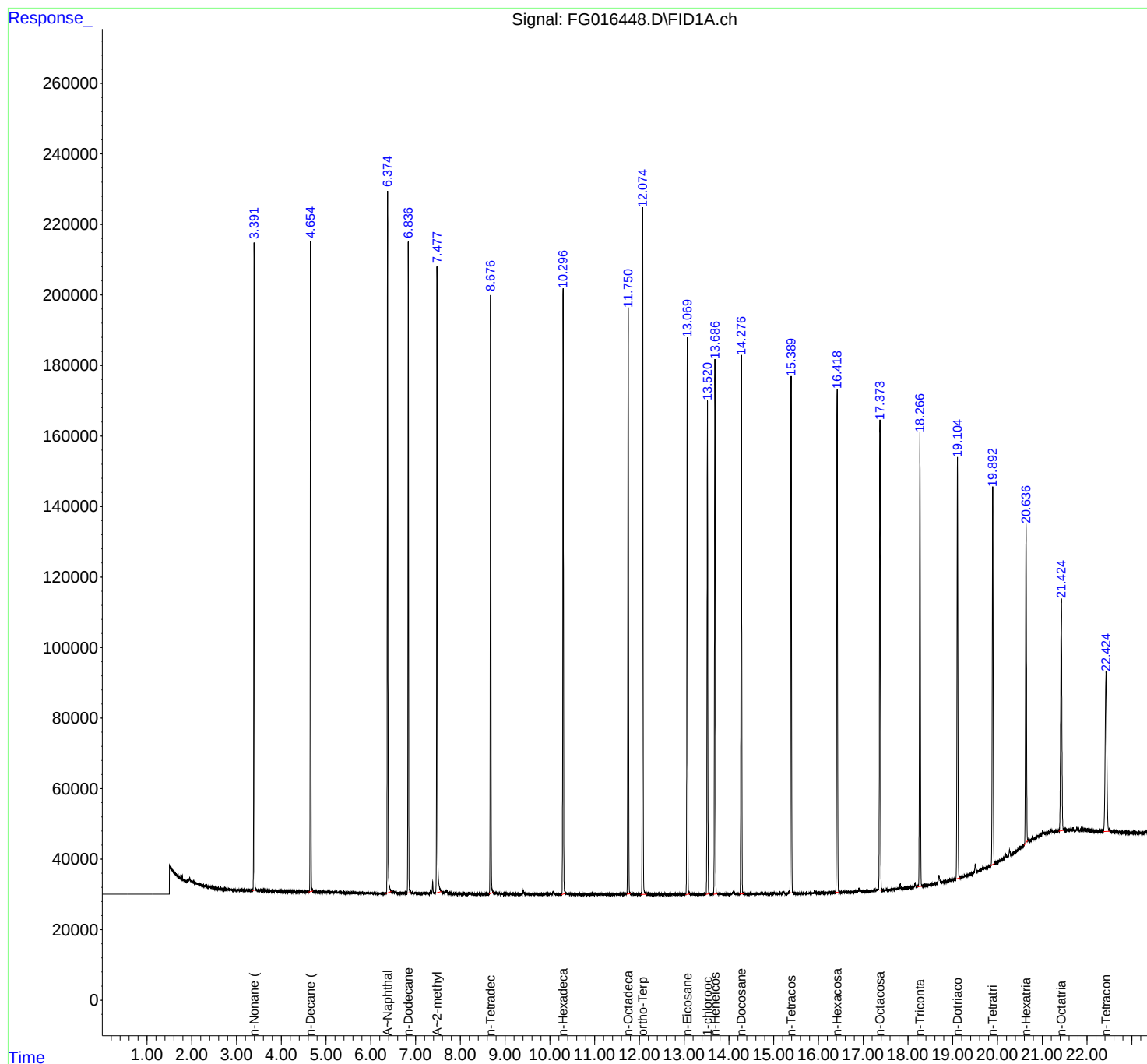
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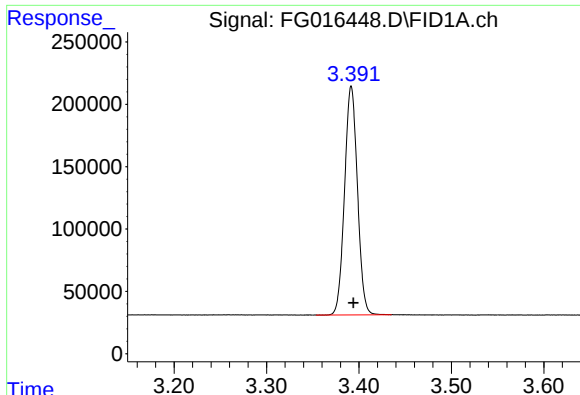
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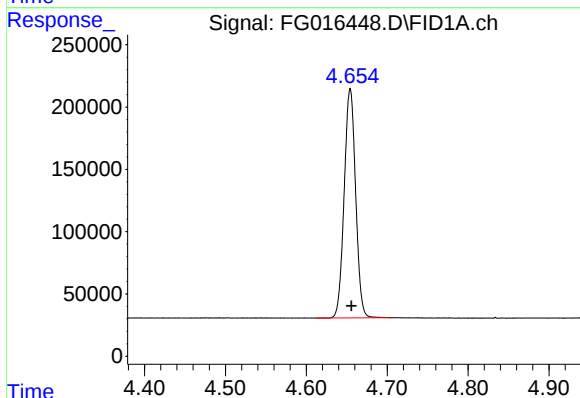
#1 n-Nonane (C9)

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1776463
Conc: 15.70 ug/ml

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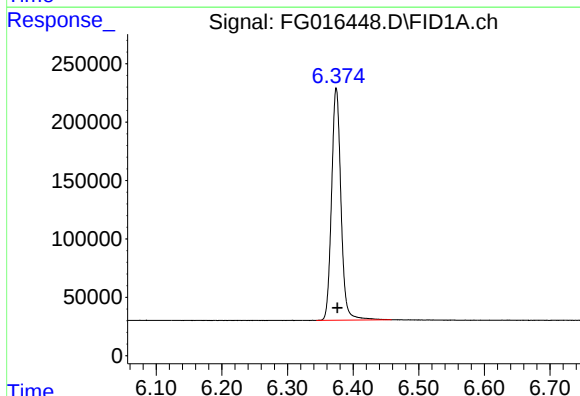
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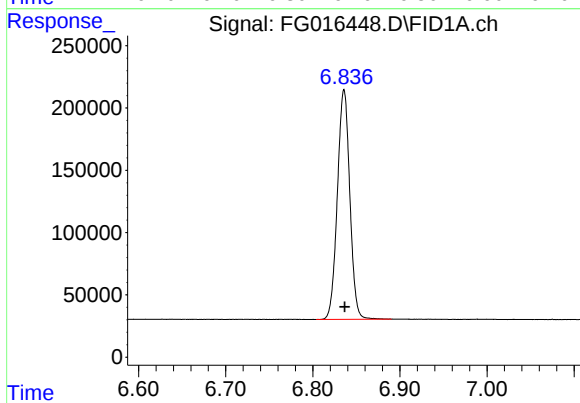
#2 n-Decane (C10)

R.T.: 4.654 min
Delta R.T.: -0.001 min
Response: 1809864
Conc: 15.72 ug/ml



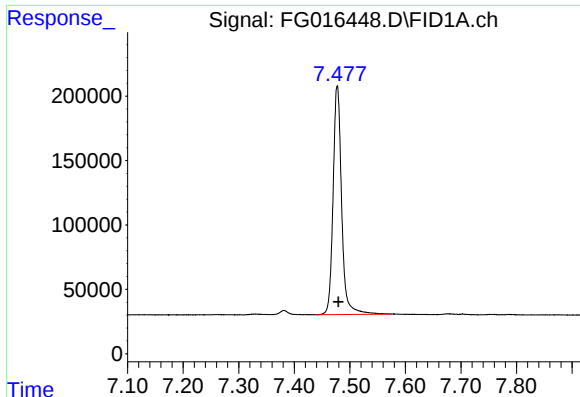
#3 A~Naphthalene (C11.7)

R.T.: 6.374 min
Delta R.T.: -0.002 min
Response: 1979678
Conc: 15.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 1828350
Conc: 15.76 ug/ml



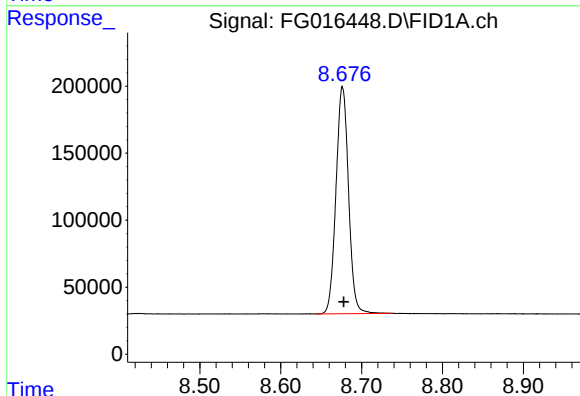
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.477 min
Delta R.T.: -0.002 min
Response: 1908085
Conc: 16.00 ug/ml

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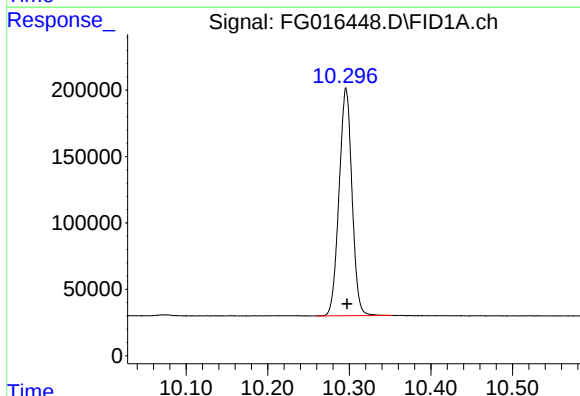
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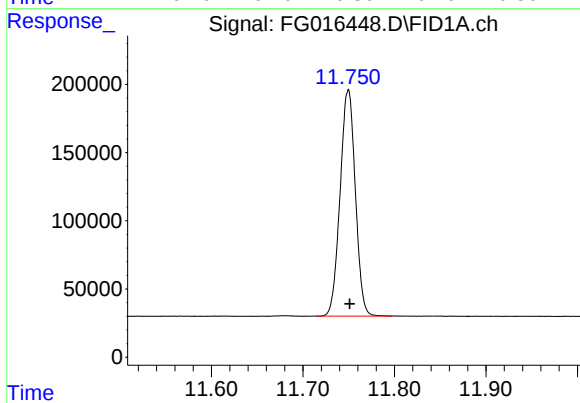
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: -0.001 min
Response: 1823093
Conc: 15.80 ug/ml



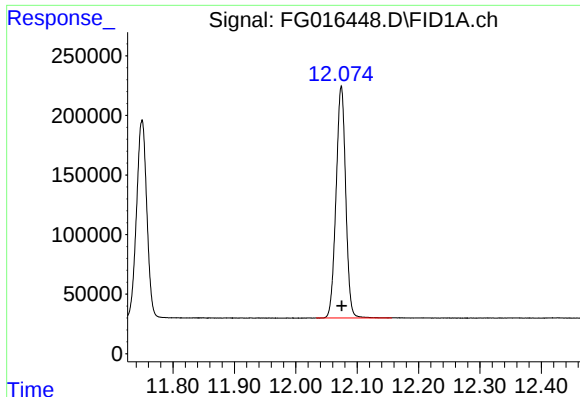
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: -0.001 min
Response: 1889014
Conc: 15.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.750 min
Delta R.T.: -0.002 min
Response: 1922042
Conc: 15.91 ug/ml



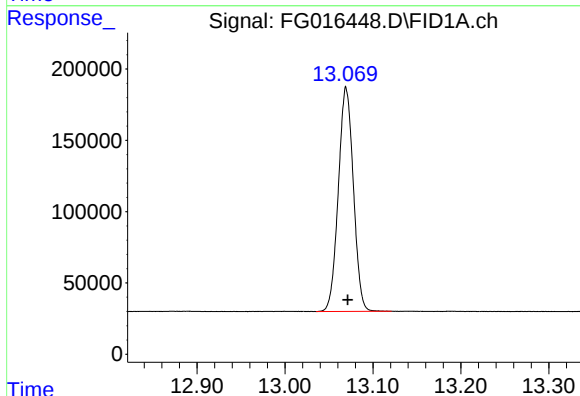
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: 0.000 min
Response: 2124923
Conc: 16.05 ug/ml

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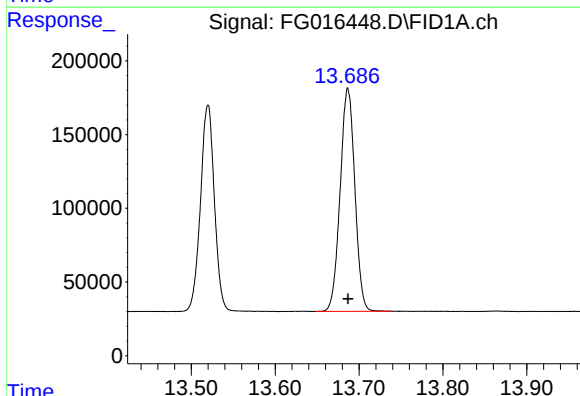
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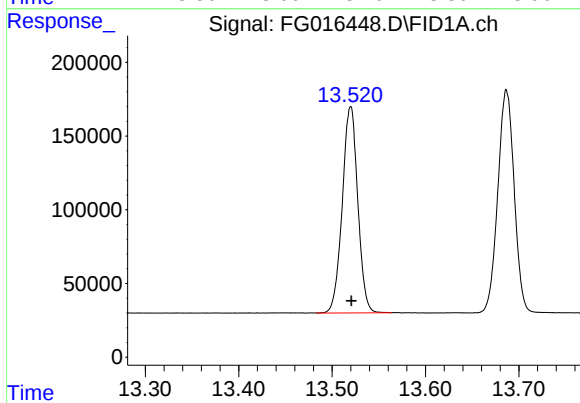
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: -0.002 min
Response: 1867003
Conc: 16.00 ug/ml



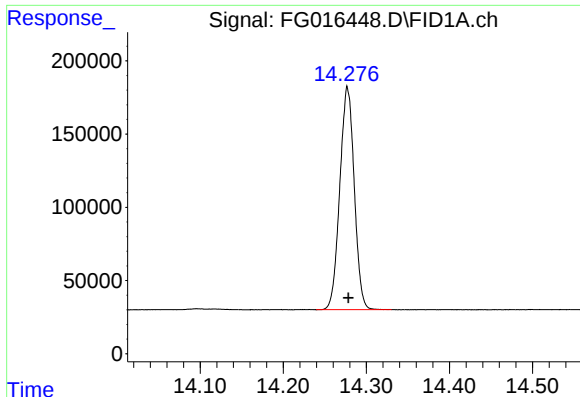
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1843613
Conc: 16.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 1614280
Conc: 16.04 ug/ml



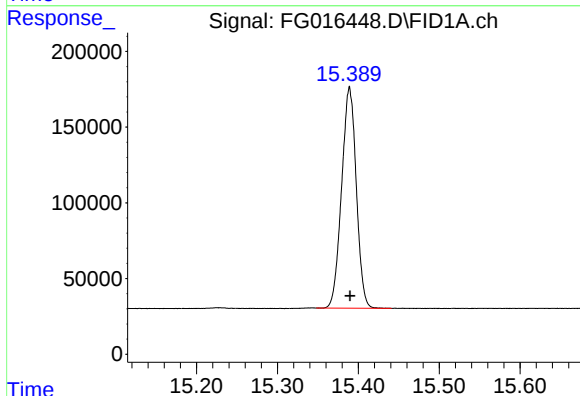
#13 n-Docosane (C22)

R.T.: 14.277 min
Delta R.T.: -0.001 min
Response: 1836992
Conc: 16.08 ug/ml

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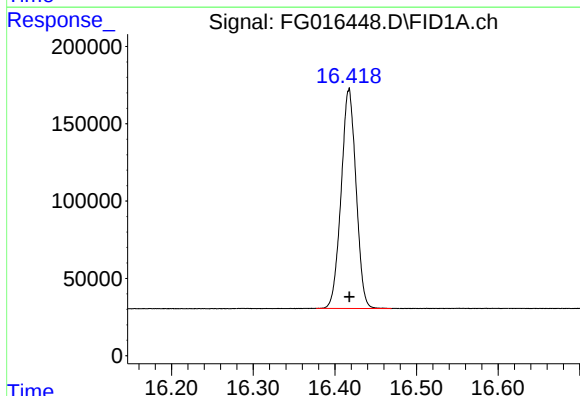
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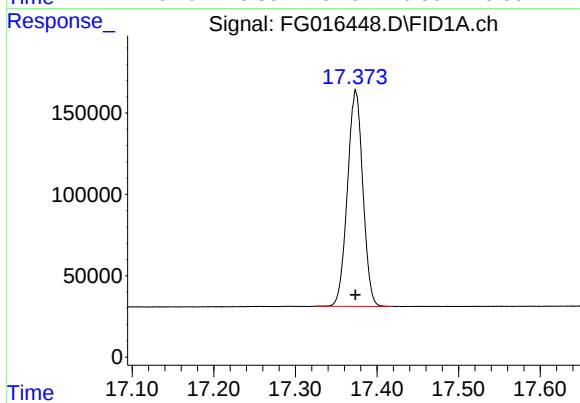
#14 n-Tetracosane (C24)

R.T.: 15.389 min
Delta R.T.: 0.000 min
Response: 1839450
Conc: 16.17 ug/ml



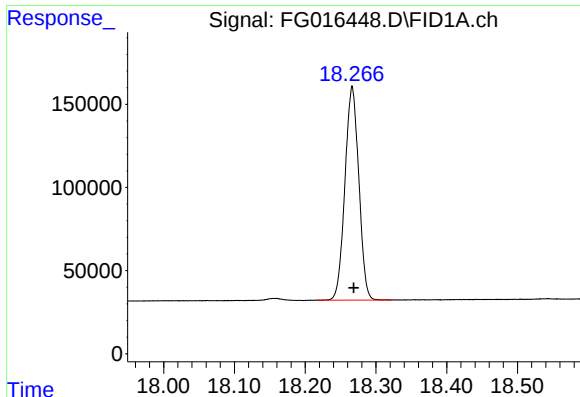
#15 n-Hexacosane (C26)

R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 1802273
Conc: 16.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.374 min
Delta R.T.: 0.000 min
Response: 1746688
Conc: 16.16 ug/ml



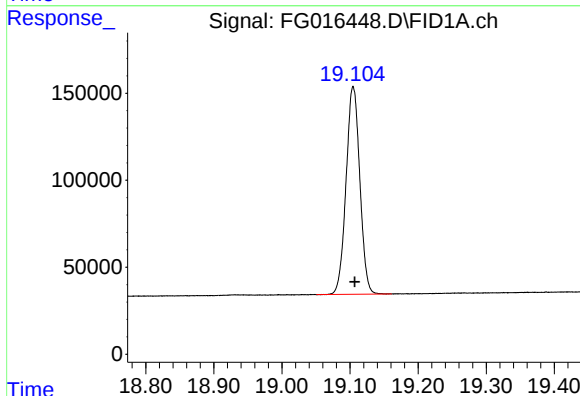
#17 n-Tricontane (C30)

R.T.: 18.266 min
Delta R.T.: -0.002 min
Response: 1750441
Conc: 16.03 ug/ml

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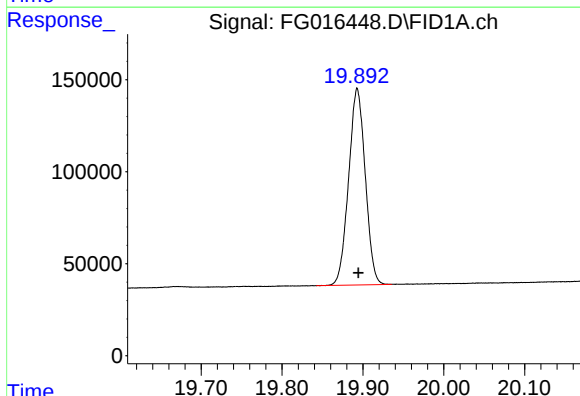
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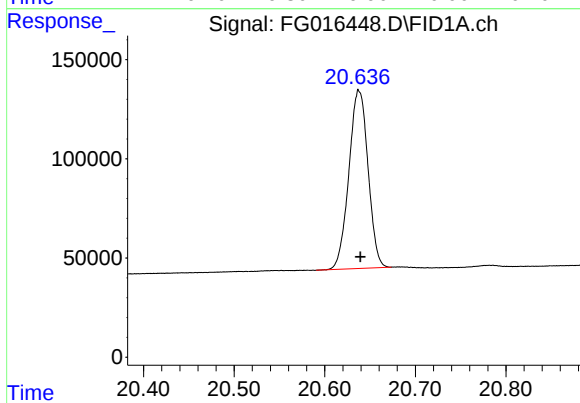
#18 n-Dotriacontane (C32)

R.T.: 19.105 min
Delta R.T.: -0.002 min
Response: 1675084
Conc: 15.93 ug/ml



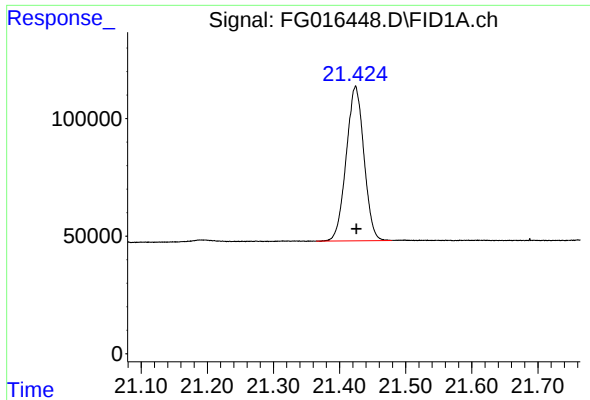
#19 n-Tetratriacontane (C34)

R.T.: 19.893 min
Delta R.T.: -0.001 min
Response: 1525054
Conc: 15.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.638 min
Delta R.T.: -0.002 min
Response: 1320787
Conc: 15.79 ug/ml



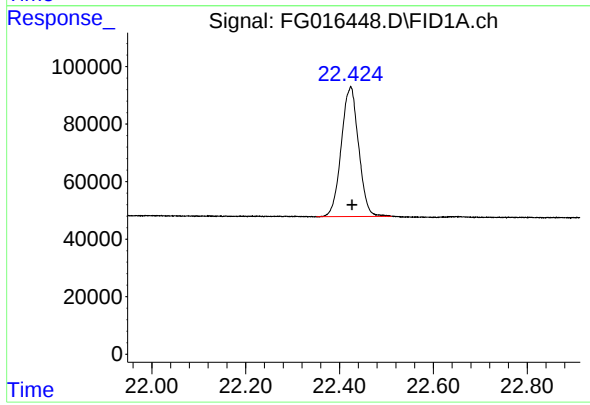
#21 n-Octatriacontane (C38)

R.T.: 21.424 min
Delta R.T.: -0.001 min
Response: 1221958
Conc: 15.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.424 min
Delta R.T.: -0.002 min
Response: 1155512
Conc: 15.55 ug/ml