

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069191.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 19:18
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:17:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.678	2206078	17.886 ug/ml
Spiked Amount 50.000		Recovery =	35.77%
12) S 1-chlorooctadecane (S...	13.115	1535701	17.118 ug/ml
Spiked Amount 50.000		Recovery =	34.24%
Target Compounds			
1) T n-Nonane (C9)	3.403	1909368	17.992 ug/ml
2) T n-Decane (C10)	4.479	1927015	18.195 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2109925	18.246 ug/ml
4) T n-Dodecane (C12)	6.507	1876367	17.849 ug/ml
5) T A~2-methylnaphthalene...	7.135	2050738	18.089 ug/ml
6) T n-Tetradecane (C14)	8.306	1795089	17.512 ug/ml
7) T n-Hexadecane (C16)	9.911	1741625	17.164 ug/ml
8) T n-Octadecane (C18)	11.356	1688963	16.899 ug/ml
10) T n-Eicosane (C20)	12.668	1666342	17.109 ug/ml
11) T n-Heneicosane (C21)	13.281	1642399	17.063 ug/ml
13) T n-Docosane (C22)	13.870	1665255	17.480 ug/ml
14) T n-Tetracosane (C24)	14.974	1741570	18.497 ug/mlm
15) T n-Hexacosane (C26)	15.998	1792264	19.305 ug/mlm
16) T n-Octacosane (C28)	16.949	1868820	20.105 ug/ml
17) T n-Tricontane (C30)	17.838	2037757	21.060 ug/ml
18) T n-Dotriacontane (C32)	18.674	2121568	21.409 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1977692	20.520 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1842449	19.409 ug/ml
21) T n-Octatriacontane (C38)	20.970	1723421	18.890 ug/mlm
22) T n-Tetracontane (C40)	21.935	1566733	17.756 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

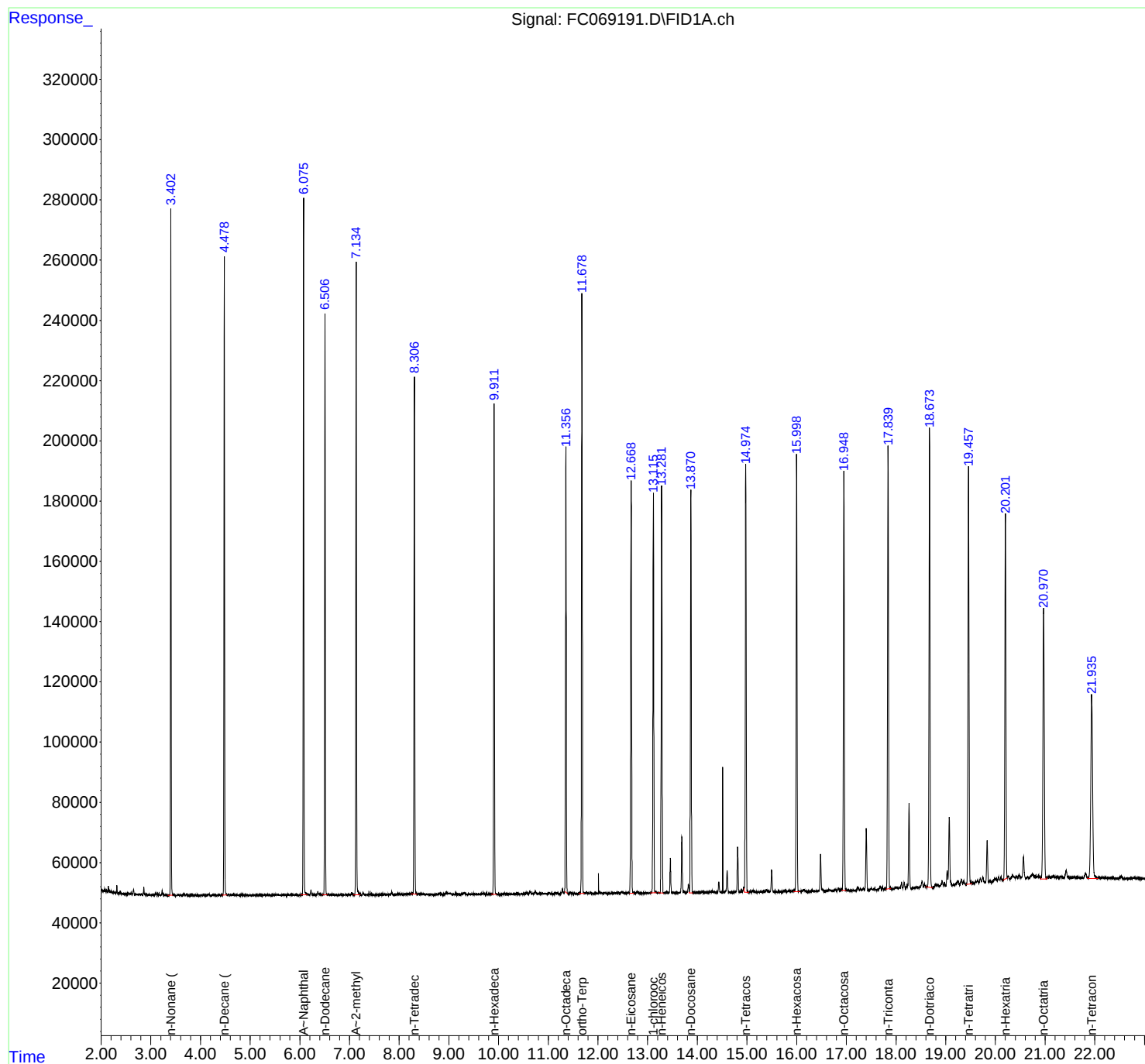
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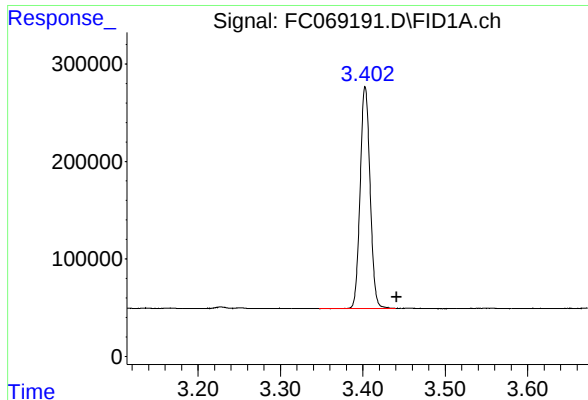
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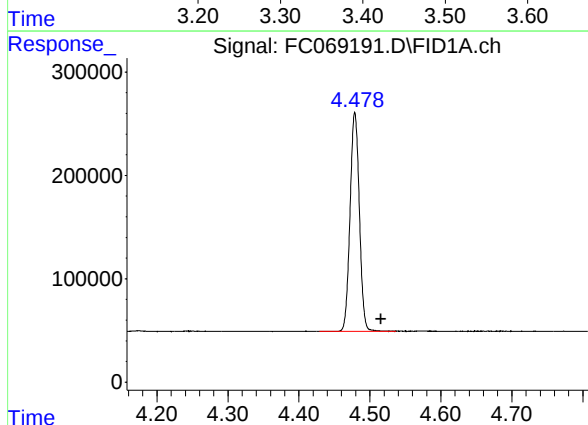
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 1909368
Conc: 17.99 ug/ml

Instrument : FID_C
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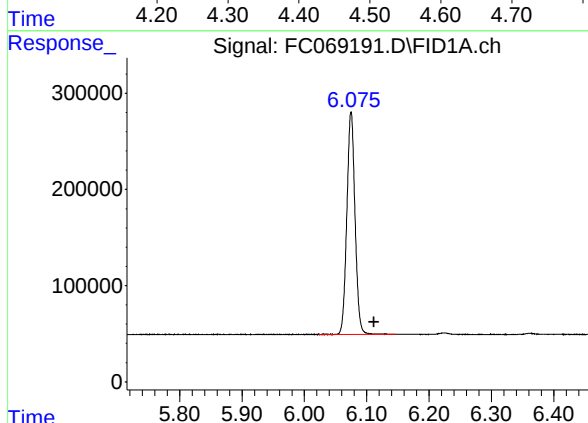
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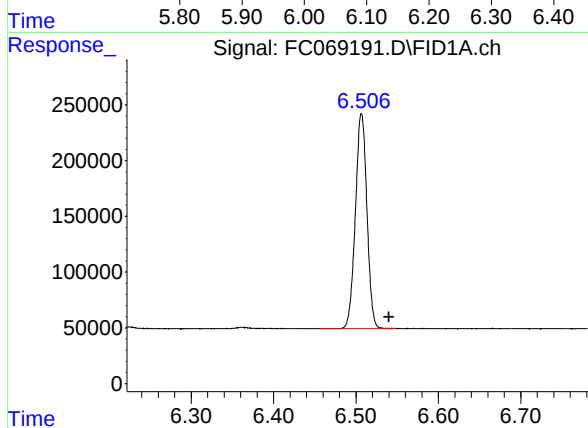
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.037 min
Response: 1927015
Conc: 18.20 ug/ml



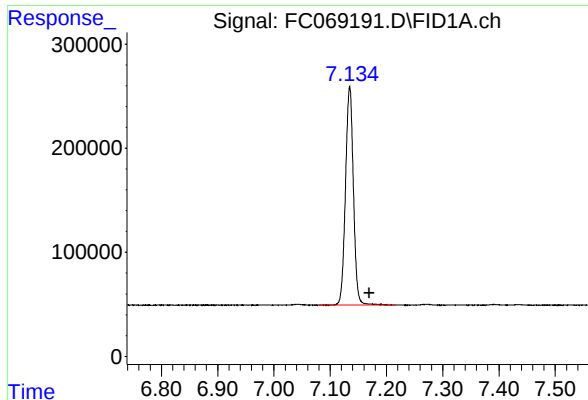
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.037 min
Response: 2109925
Conc: 18.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.507 min
Delta R.T.: -0.033 min
Response: 1876367
Conc: 17.85 ug/ml



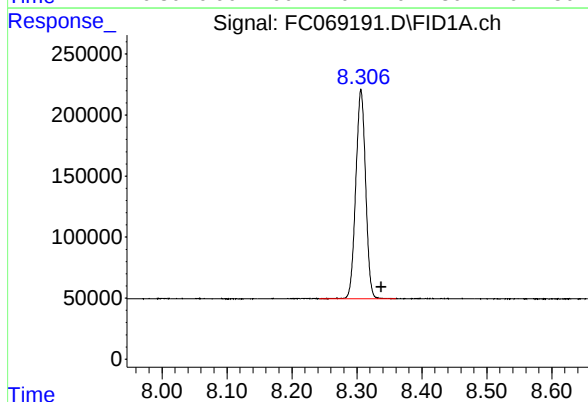
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: -0.035 min
Response: 2050738
Conc: 18.09 ug/ml

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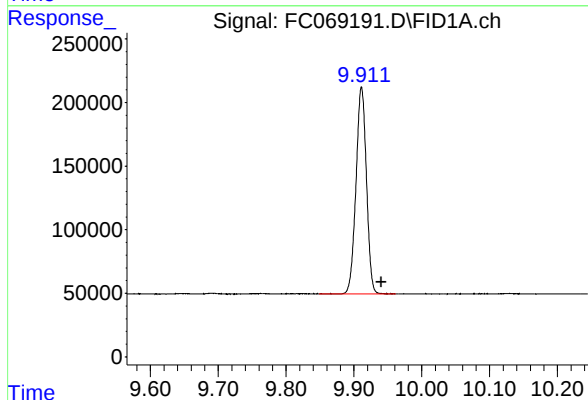
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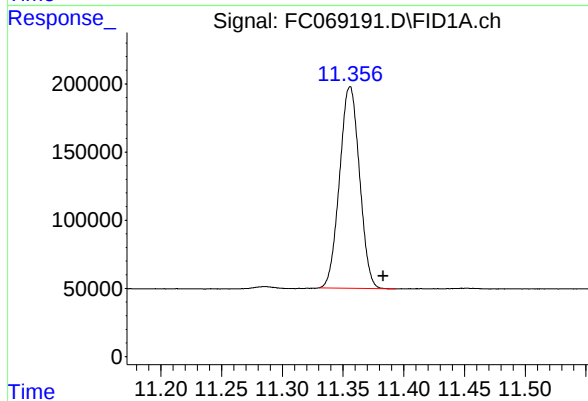
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: -0.031 min
Response: 1795089
Conc: 17.51 ug/ml



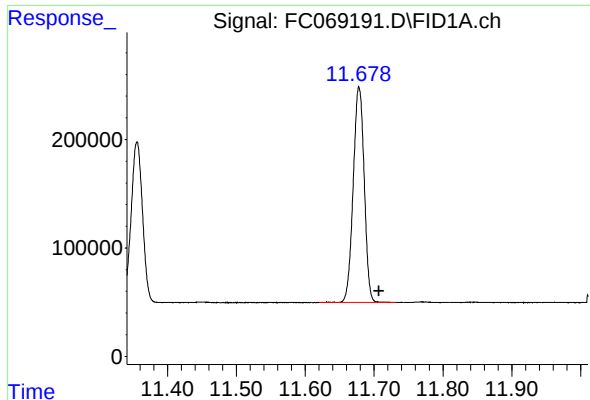
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: -0.029 min
Response: 1741625
Conc: 17.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.356 min
Delta R.T.: -0.027 min
Response: 1688963
Conc: 16.90 ug/ml



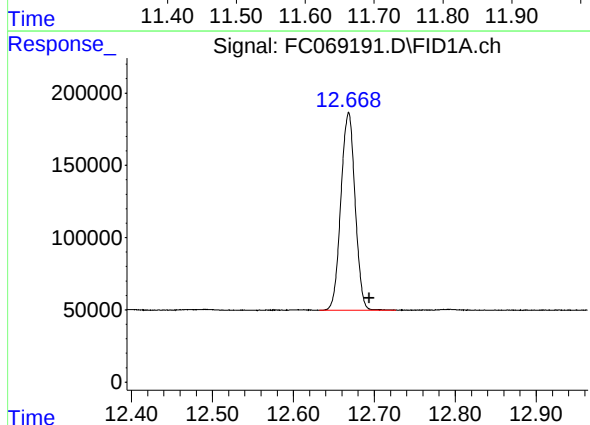
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: -0.029 min
Response: 2206078
Conc: 17.89 ug/ml

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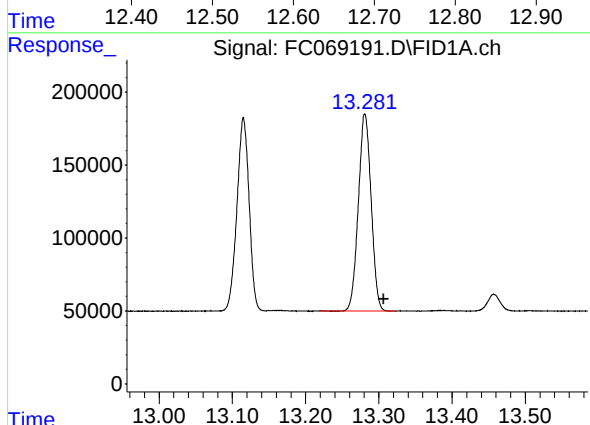
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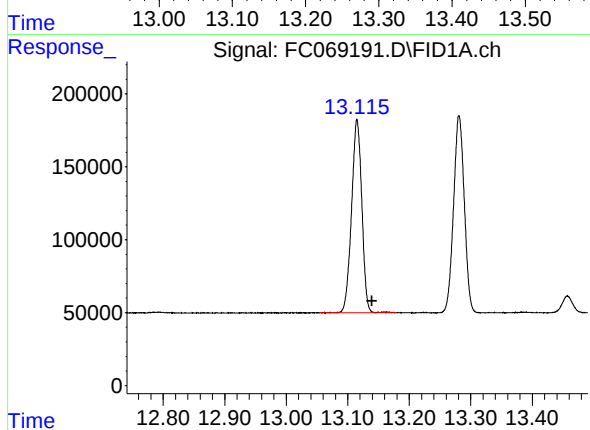
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: -0.026 min
Response: 1666342
Conc: 17.11 ug/ml



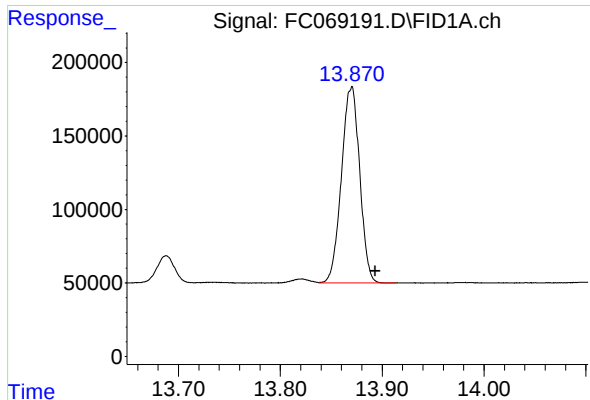
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: -0.026 min
Response: 1642399
Conc: 17.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 1535701
Conc: 17.12 ug/ml



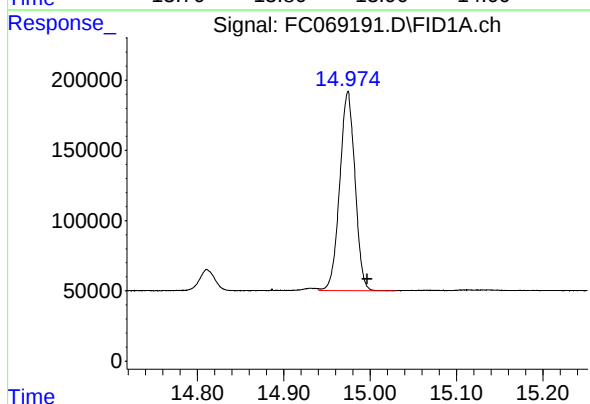
#13 n-Docosane (C22)

R.T.: 13.870 min
Delta R.T.: -0.024 min
Response: 1665255
Conc: 17.48 ug/ml

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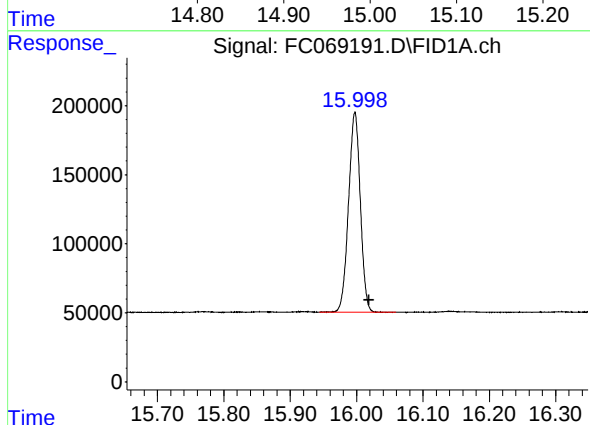
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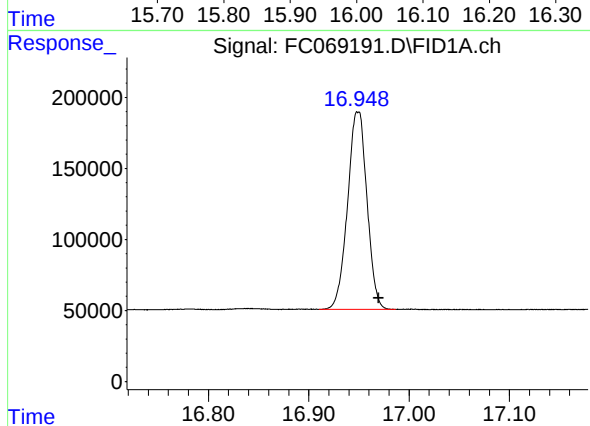
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: -0.023 min
Response: 1741570
Conc: 18.50 ug/ml m



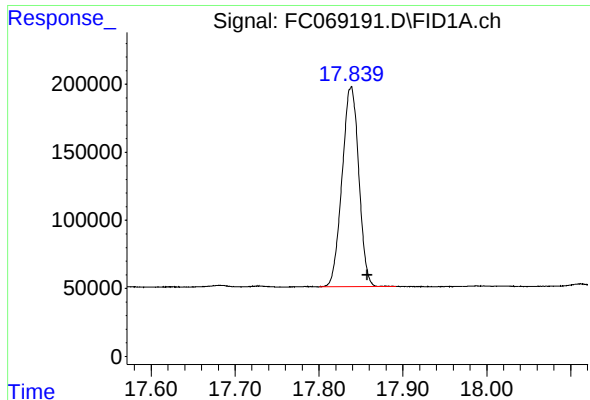
#15 n-Hexacosane (C26)

R.T.: 15.998 min
Delta R.T.: -0.021 min
Response: 1792264
Conc: 19.30 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1868820
Conc: 20.11 ug/ml



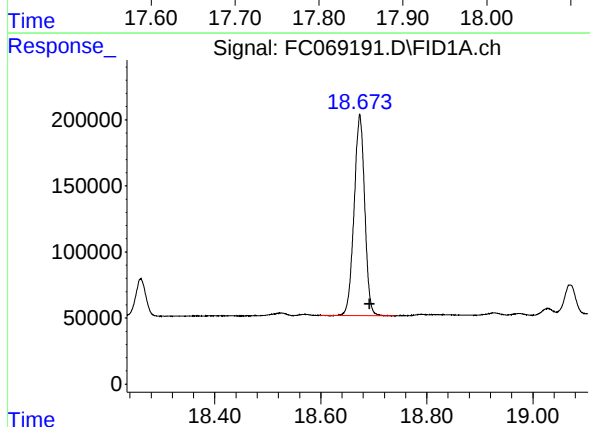
#17 n-Tricontane (C30)

R.T.: 17.838 min
Delta R.T.: -0.020 min
Response: 2037757
Conc: 21.06 ug/ml

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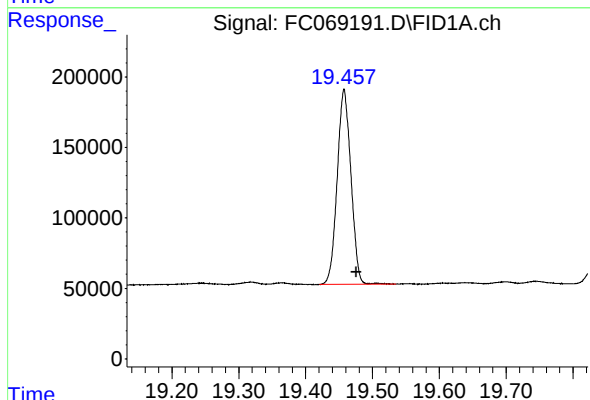
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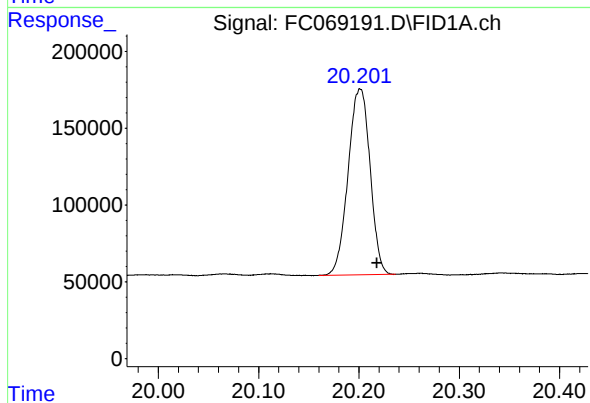
#18 n-Dotriacontane (C32)

R.T.: 18.674 min
Delta R.T.: -0.019 min
Response: 2121568
Conc: 21.41 ug/ml



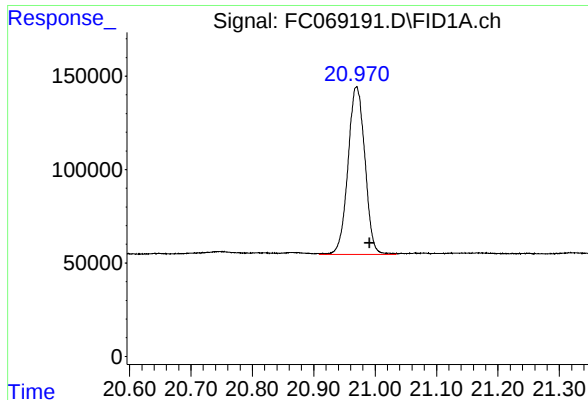
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.018 min
Response: 1977692
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 1842449
Conc: 19.41 ug/ml



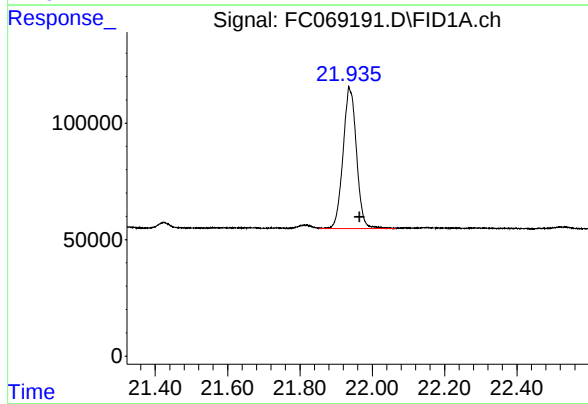
#21 n-Octatriacontane (C38)

R.T.: 20.970 min
Delta R.T.: -0.021 min
Response: 1723421
Conc: 18.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.935 min
Delta R.T.: -0.030 min
Response: 1566733
Conc: 17.76 ug/ml m