

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052025AL\
 Data File : FC068951.D
 Signal(s) : FID1A.ch
 Acq On : 21 May 2025 05:59
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 21 07:39:40 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)	11.706	2083542	18.254 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
12) S 1-chlorooctadecane (S...	13.140	1516072	18.897 ug/ml
Spiked Amount 50.000		Recovery =	37.79%
Target Compounds			
1) T n-Nonane (C9)	3.442	1765747	17.556 ug/ml
2) T n-Decane (C10)	4.516	1818026	18.246 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1953742	17.719 ug/ml
4) T n-Dodecane (C12)	6.540	1780213	18.319 ug/ml
5) T A~2-methylnaphthalene...	7.170	1909851	17.794 ug/ml
6) T n-Tetradecane (C14)	8.337	1712060	18.524 ug/ml
7) T n-Hexadecane (C16)	9.940	1686122	18.830 ug/ml
8) T n-Octadecane (C18)	11.383	1655882	18.877 ug/ml
10) T n-Eicosane (C20)	12.693	1616053	18.964 ug/ml
11) T n-Heneicosane (C21)	13.306	1600205	18.972 ug/ml
13) T n-Docosane (C22)	13.892	1603323	19.165 ug/ml
14) T n-Tetracosane (C24)	14.996	1628868	19.576 ug/ml
15) T n-Hexacosane (C26)	16.017	1639651	19.790 ug/ml
16) T n-Octacosane (C28)	16.968	1780407	21.543 ug/ml
17) T n-Tricontane (C30)	17.856	2092738	24.733 ug/ml
18) T n-Dotriacontane (C32)	18.688	2195845	25.493 ug/mlm
19) T n-Tetratriacontane (C34)	19.474	2036334	23.901 ug/mlm
20) T n-Hexatriacontane (C36)	20.215	1909824	22.221 ug/ml
21) T n-Octatriacontane (C38)	20.986	1794482	21.393 ug/ml
22) T n-Tetracontane (C40)	21.960	1728808	21.094 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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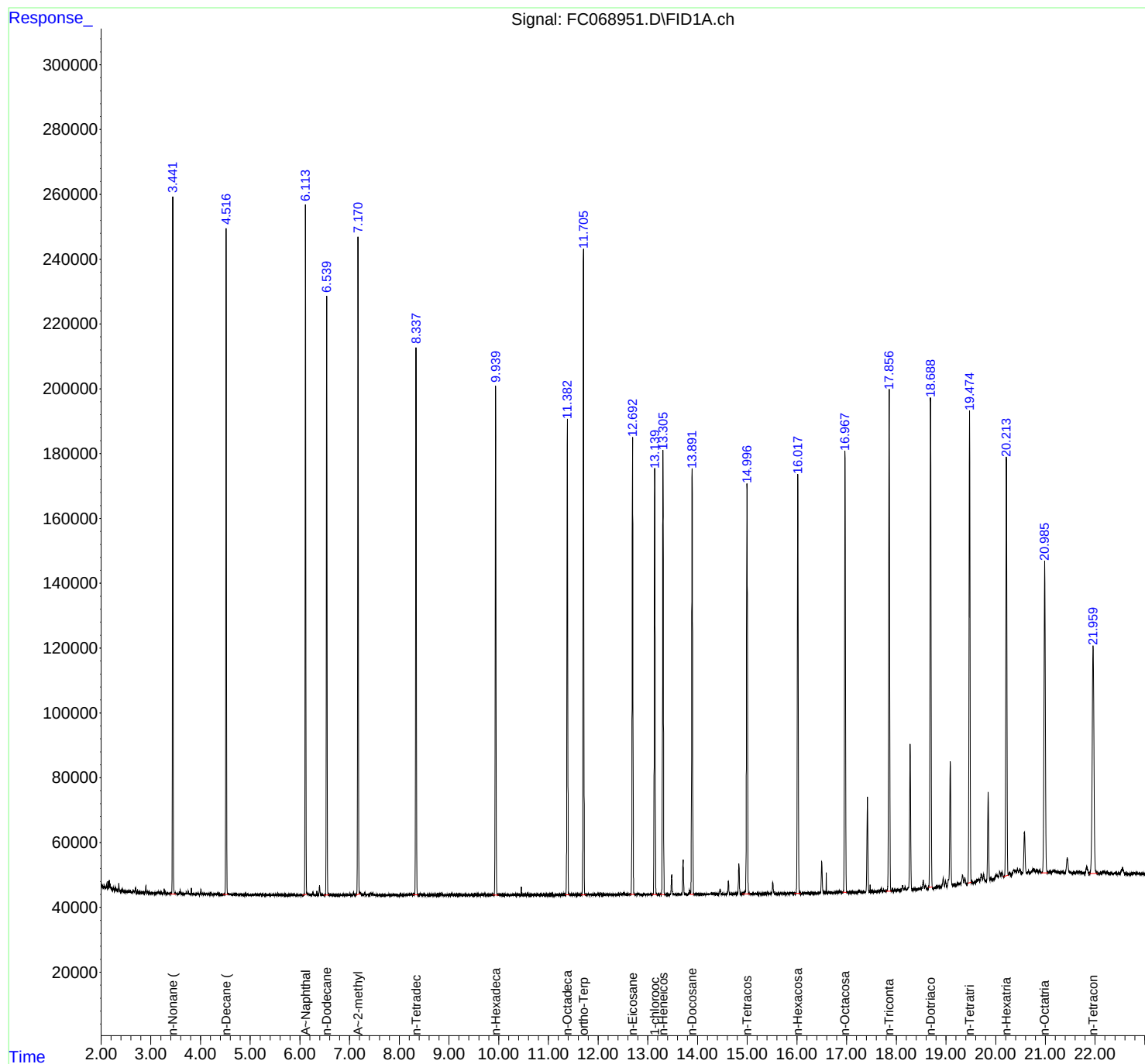
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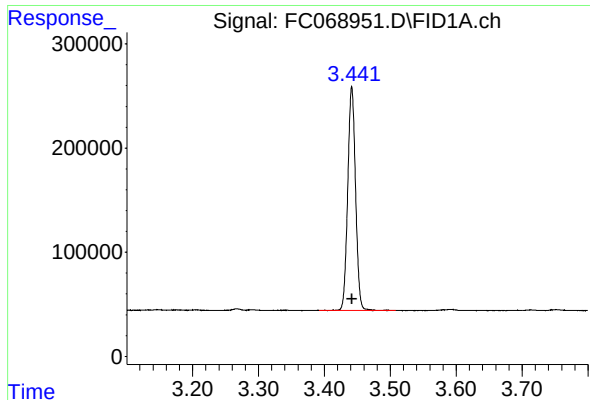
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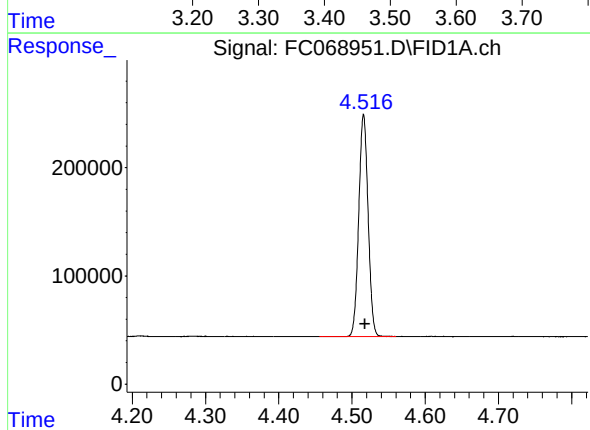
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 1765747
Conc: 17.56 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

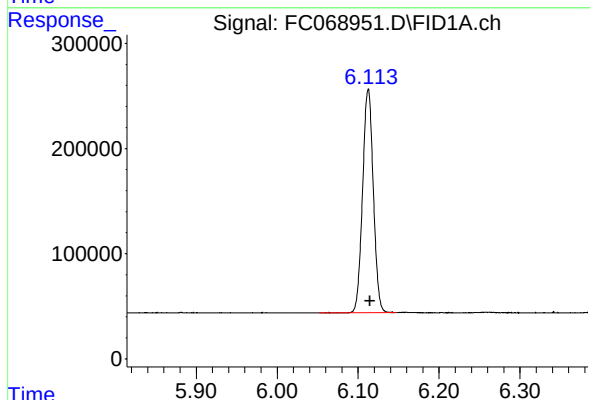
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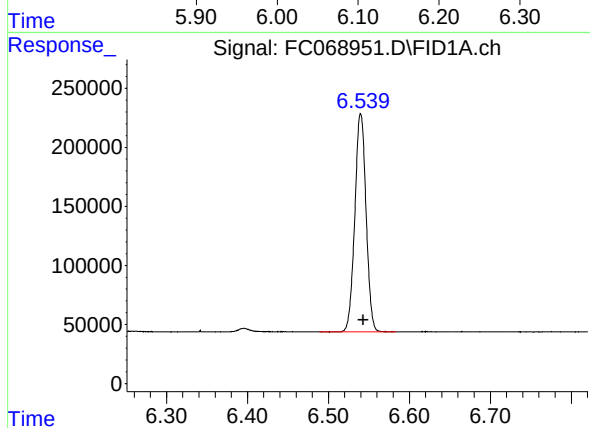
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1818026
Conc: 18.25 ug/ml



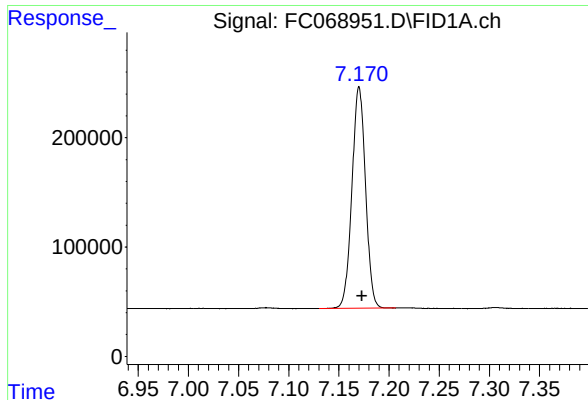
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.002 min
Response: 1953742
Conc: 17.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: -0.003 min
Response: 1780213
Conc: 18.32 ug/ml



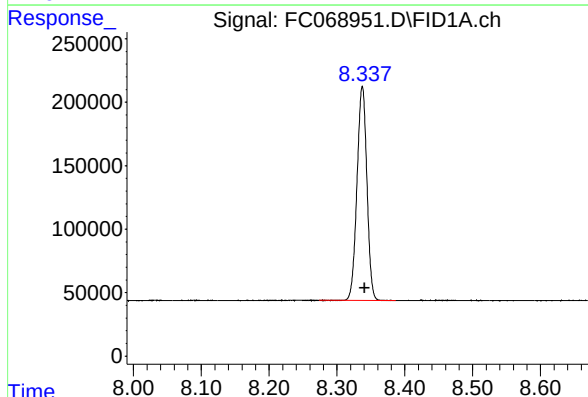
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 1909851
Conc: 17.79 ug/ml

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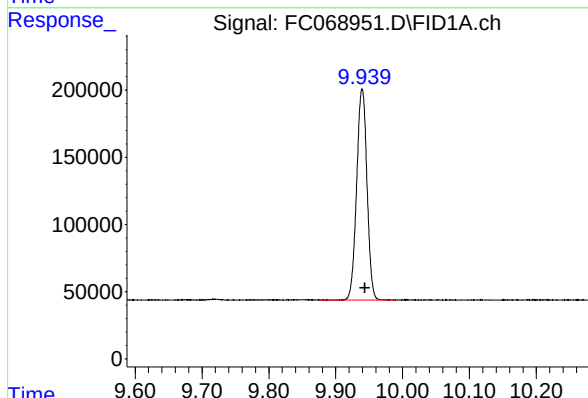
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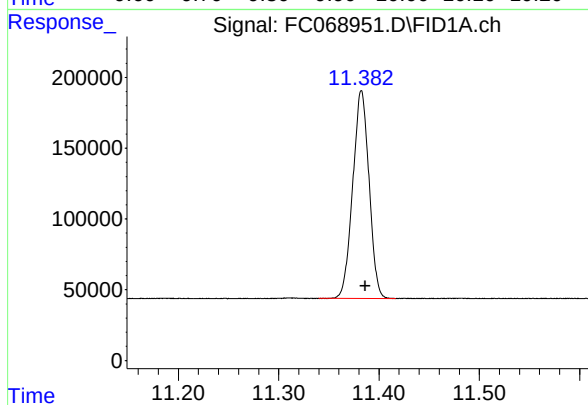
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.003 min
Response: 1712060
Conc: 18.52 ug/ml



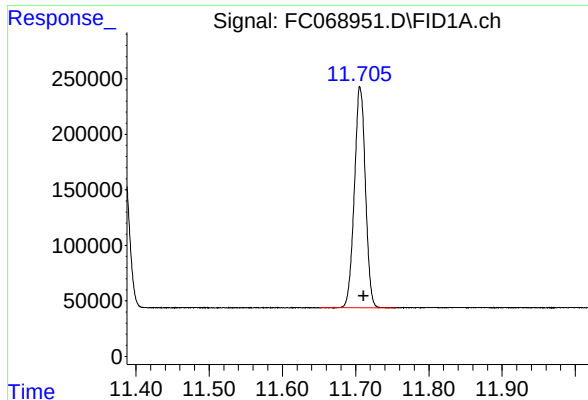
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: -0.004 min
Response: 1686122
Conc: 18.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: -0.004 min
Response: 1655882
Conc: 18.88 ug/ml



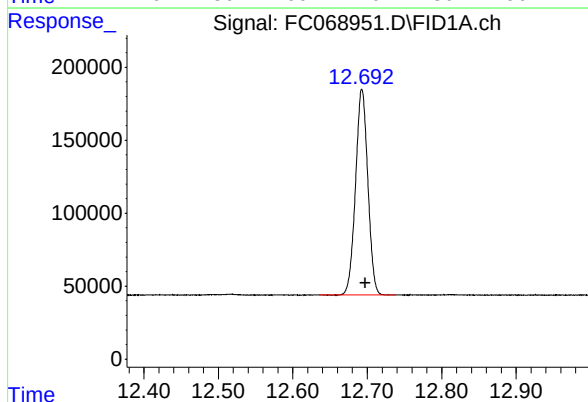
#9 ortho-Terphenyl (SURR)

R.T.: 11.706 min
Delta R.T.: -0.005 min
Response: 2083542
Conc: 18.25 ug/ml

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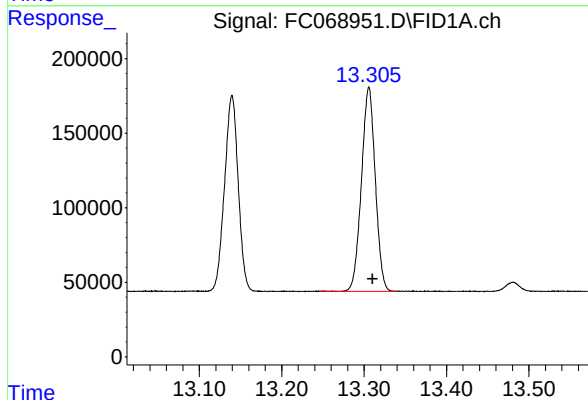
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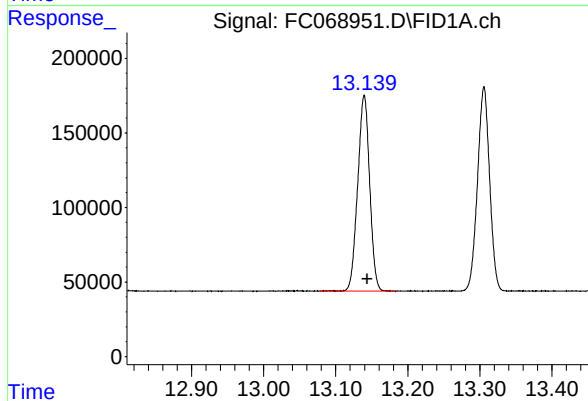
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: -0.004 min
Response: 1616053
Conc: 18.96 ug/ml



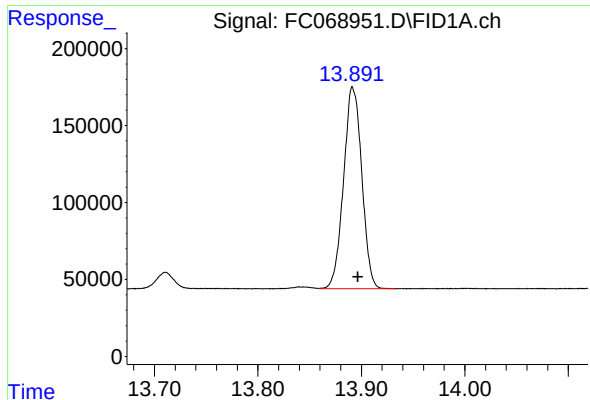
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.005 min
Response: 1600205
Conc: 18.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: -0.004 min
Response: 1516072
Conc: 18.90 ug/ml



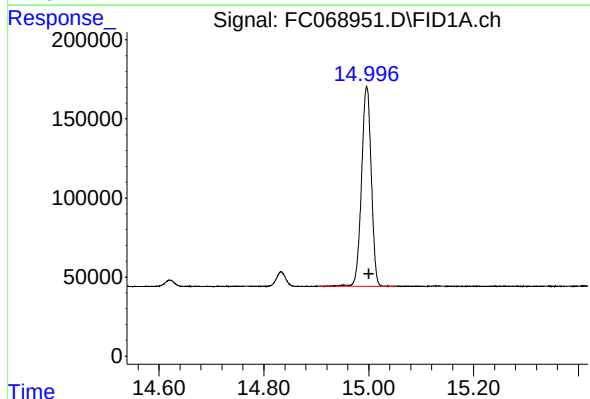
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1603323
Conc: 19.17 ug/ml

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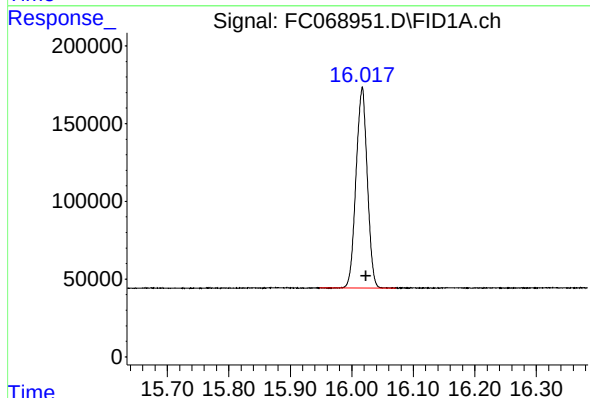
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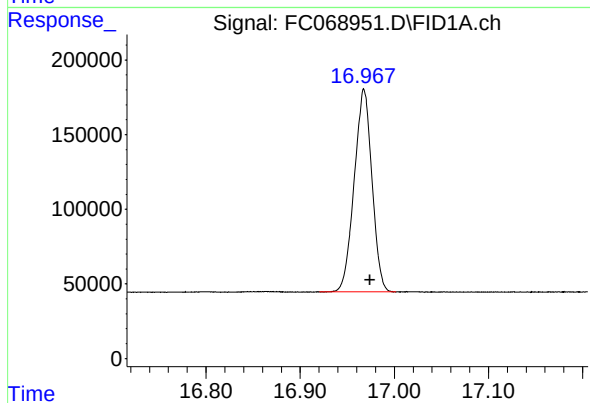
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.005 min
Response: 1628868
Conc: 19.58 ug/ml



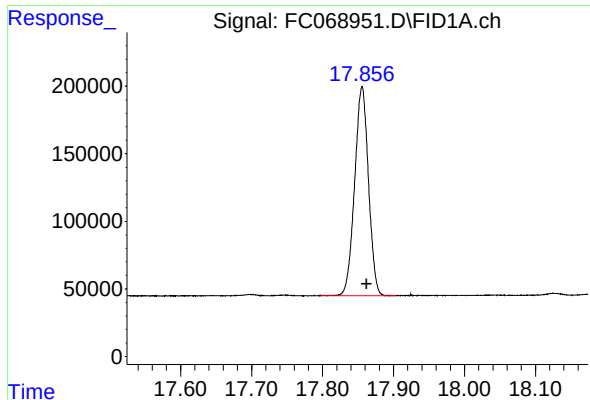
#15 n-Hexacosane (C26)

R.T.: 16.017 min
Delta R.T.: -0.007 min
Response: 1639651
Conc: 19.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1780407
Conc: 21.54 ug/ml



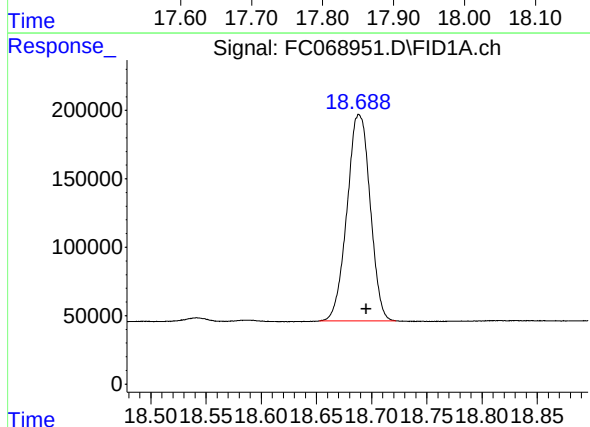
#17 n-Tricontane (C30)

R.T.: 17.856 min
Delta R.T.: -0.007 min
Response: 2092738
Conc: 24.73 ug/ml

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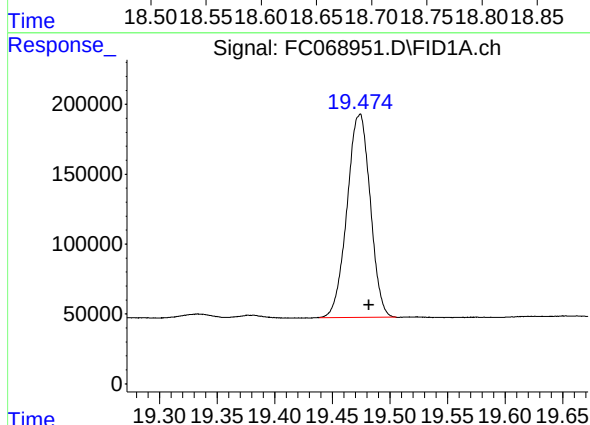
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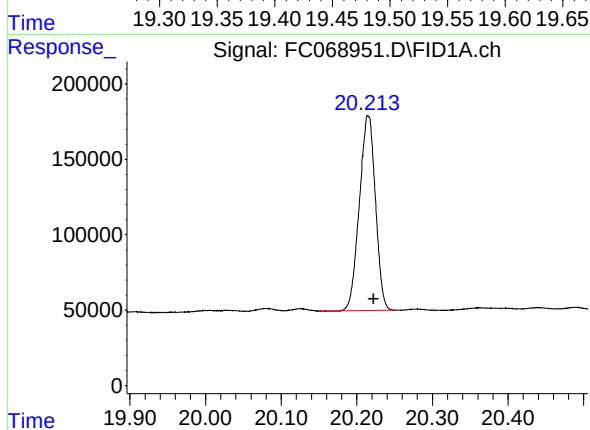
#18 n-Dotriacontane (C32)

R.T.: 18.688 min
Delta R.T.: -0.008 min
Response: 2195845
Conc: 25.49 ug/ml m



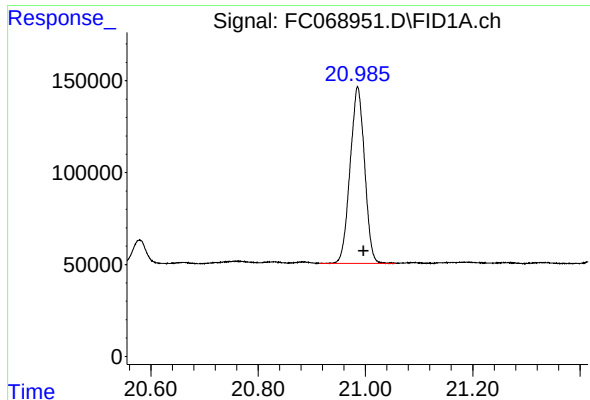
#19 n-Tetratriacontane (C34)

R.T.: 19.474 min
Delta R.T.: -0.007 min
Response: 2036334
Conc: 23.90 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.215 min
Delta R.T.: -0.007 min
Response: 1909824
Conc: 22.22 ug/ml



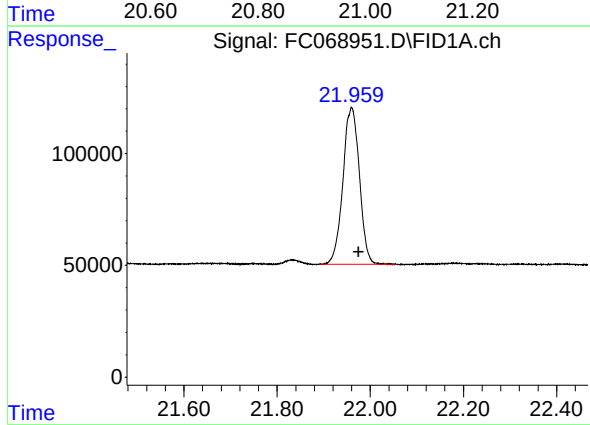
#21 n-Octatriacontane (C38)

R.T.: 20.986 min
Delta R.T.: -0.011 min
Response: 1794482
Conc: 21.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.016 min
Response: 1728808
Conc: 21.09 ug/ml