

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052725AL\
 Data File : FC069020.D
 Signal(s) : FID1A.ch
 Acq On : 27 May 2025 23:38
 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 05/28/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 28 10:08:46 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)	11.705	2431042	19.709 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.138	1777422	19.812 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
Target Compounds			
1) T n-Nonane (C9)	3.440	2175060	20.496 ug/ml
2) T n-Decane (C10)	4.515	2167572	20.467 ug/ml
3) T A~Naphthalene (C11.7)	6.111	2355304	20.368 ug/ml
4) T n-Dodecane (C12)	6.539	2120103	20.168 ug/ml
5) T A~2-methylnaphthalene...	7.169	2296488	20.257 ug/ml
6) T n-Tetradecane (C14)	8.335	2023332	19.739 ug/ml
7) T n-Hexadecane (C16)	9.938	1971400	19.429 ug/ml
8) T n-Octadecane (C18)	11.381	1938124	19.392 ug/ml
10) T n-Eicosane (C20)	12.692	1899200	19.499 ug/ml
11) T n-Heneicosane (C21)	13.304	1879234	19.524 ug/ml
13) T n-Docosane (C22)	13.891	1896857	19.911 ug/ml
14) T n-Tetracosane (C24)	14.993	1942901	20.636 ug/ml
15) T n-Hexacosane (C26)	16.016	1963107	21.145 ug/ml
16) T n-Octacosane (C28)	16.968	1985177	21.357 ug/ml
17) T n-Tricontane (C30)	17.856	2063613	21.328 ug/ml
18) T n-Dotriacontane (C32)	18.689	2095783	21.149 ug/ml
19) T n-Tetratriacontane (C34)	19.475	1990808	20.656 ug/ml
20) T n-Hexatriacontane (C36)	20.217	1923515	20.263 ug/ml
21) T n-Octatriacontane (C38)	20.987	1857478	20.359 ug/ml
22) T n-Tetracontane (C40)	21.962	1833860	20.784 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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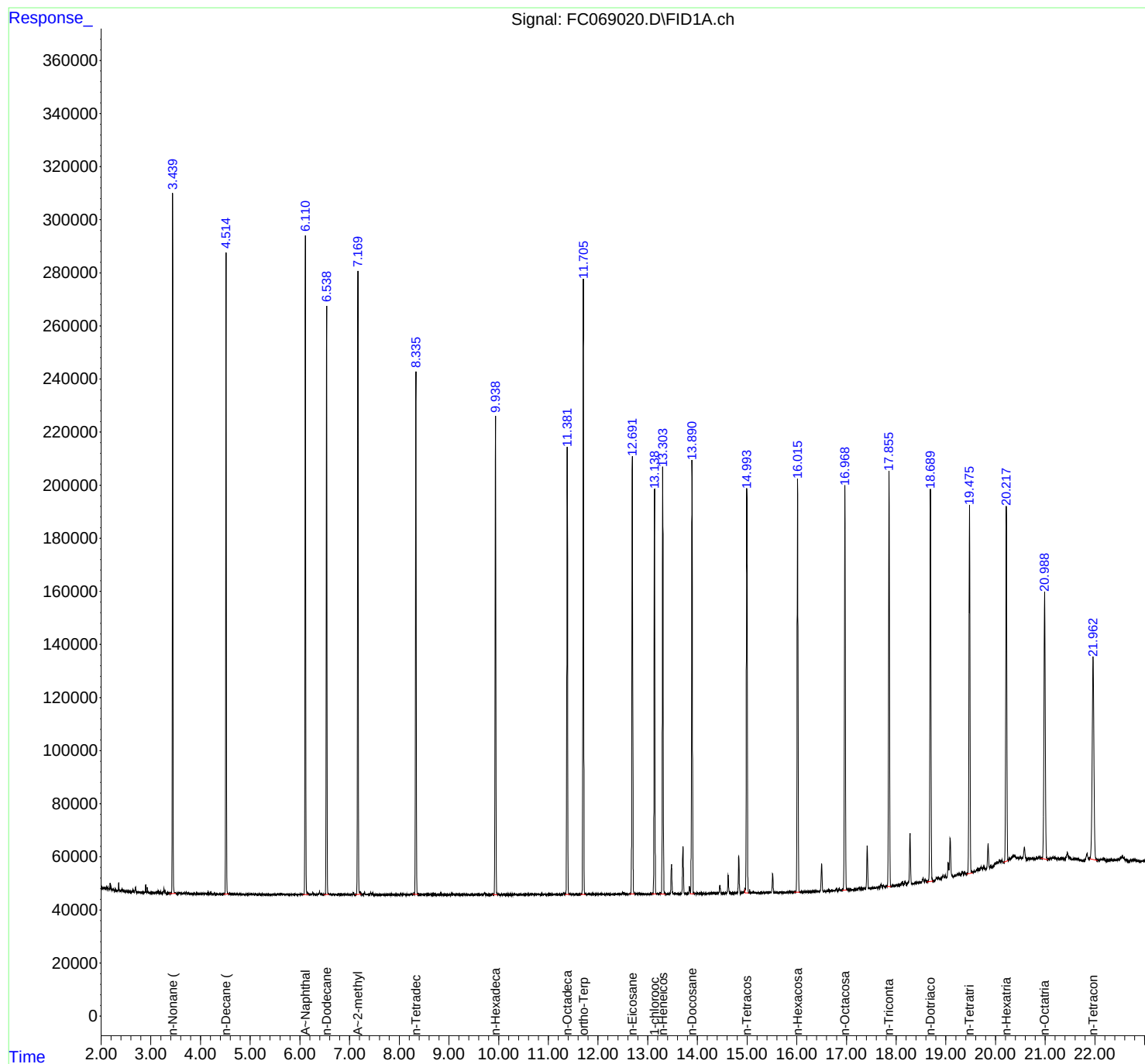
Instrument :
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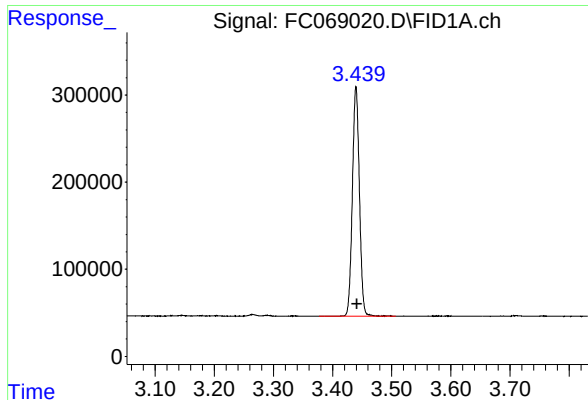
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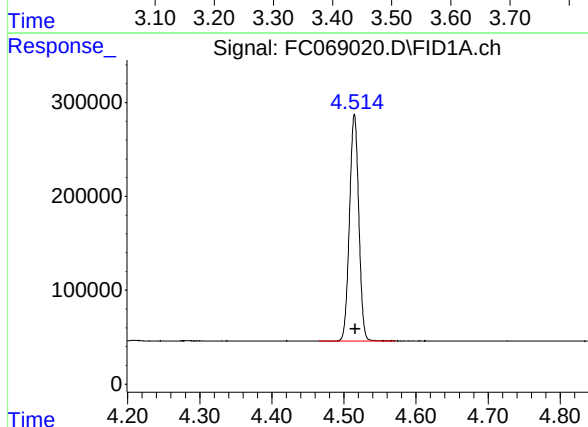
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: -0.001 min
Response: 2175060
Conc: 20.50 ug/ml

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20 PPM ALIPHATIC HC STD

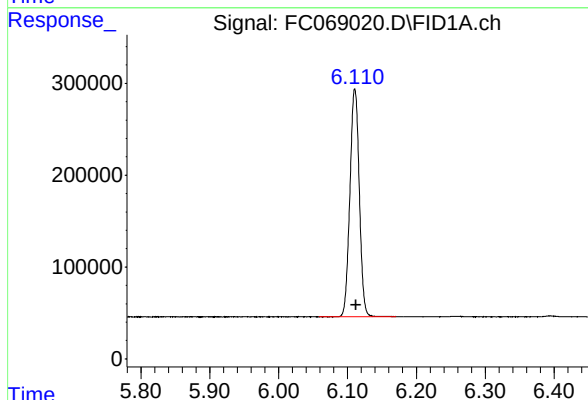
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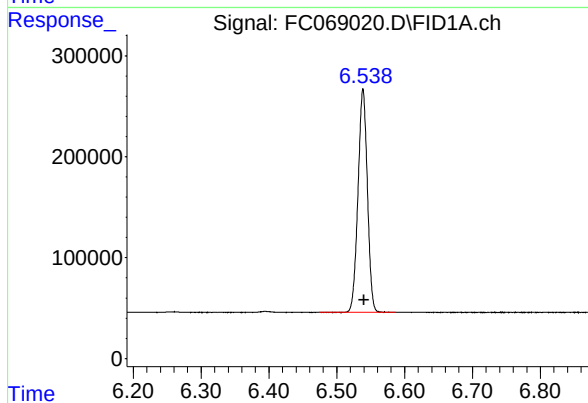
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 2167572
Conc: 20.47 ug/ml



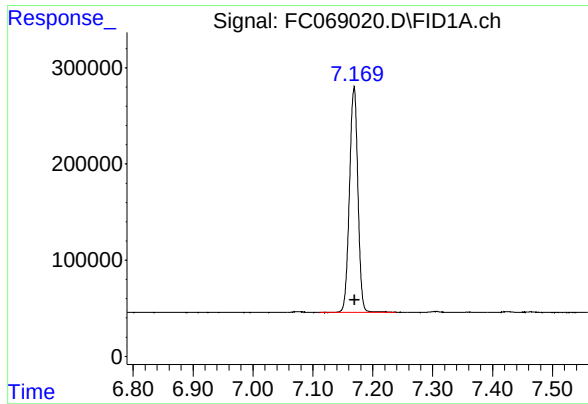
#3 A~Naphthalene (C11.7)

R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 2355304
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: -0.001 min
Response: 2120103
Conc: 20.17 ug/ml



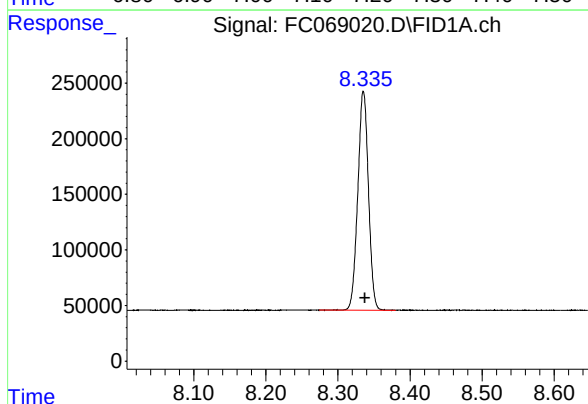
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.169 min
Delta R.T.: -0.001 min
Response: 2296488
Conc: 20.26 ug/ml

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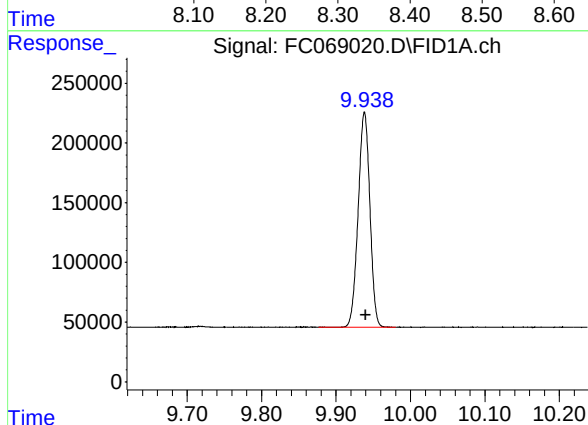
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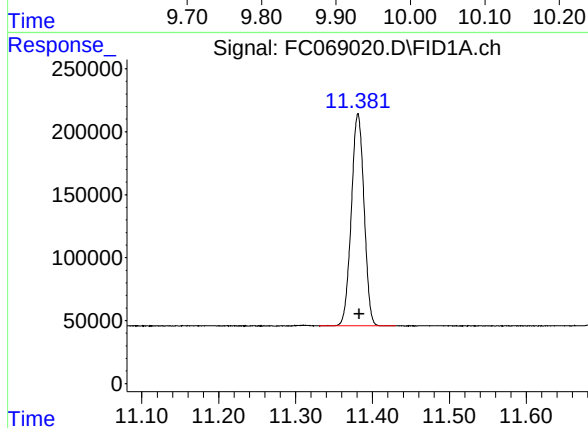
#6 n-Tetradecane (C14)

R.T.: 8.335 min
Delta R.T.: -0.002 min
Response: 2023332
Conc: 19.74 ug/ml



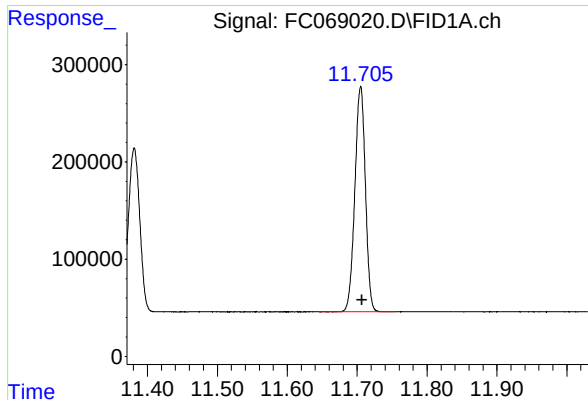
#7 n-Hexadecane (C16)

R.T.: 9.938 min
Delta R.T.: -0.002 min
Response: 1971400
Conc: 19.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.381 min
Delta R.T.: -0.002 min
Response: 1938124
Conc: 19.39 ug/ml



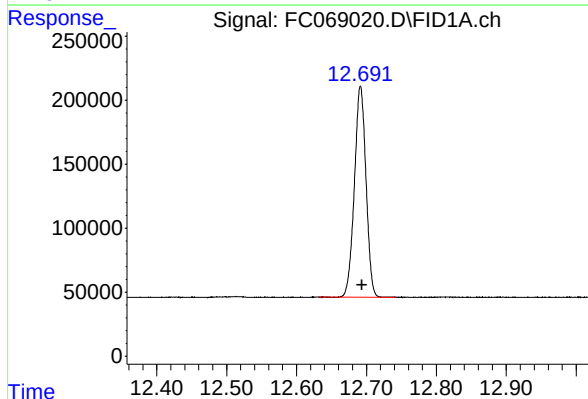
#9 ortho-Terphenyl (SURR)

R.T.: 11.705 min
Delta R.T.: -0.002 min
Response: 2431042
Conc: 19.71 ug/ml

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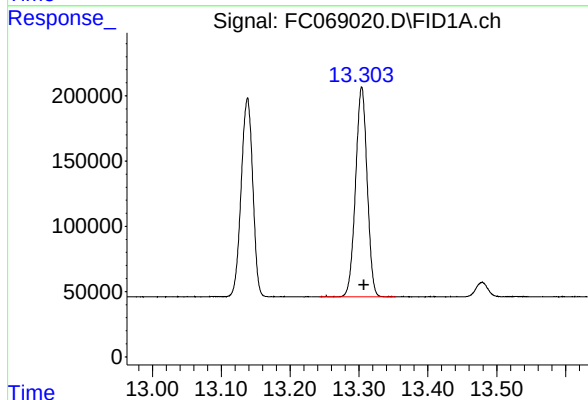
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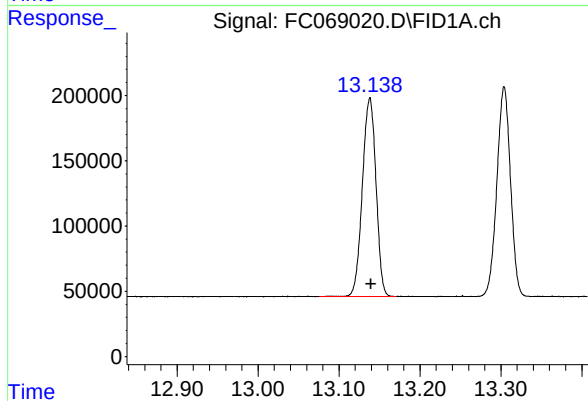
#10 n-Eicosane (C20)

R.T.: 12.692 min
Delta R.T.: -0.002 min
Response: 1899200
Conc: 19.50 ug/ml



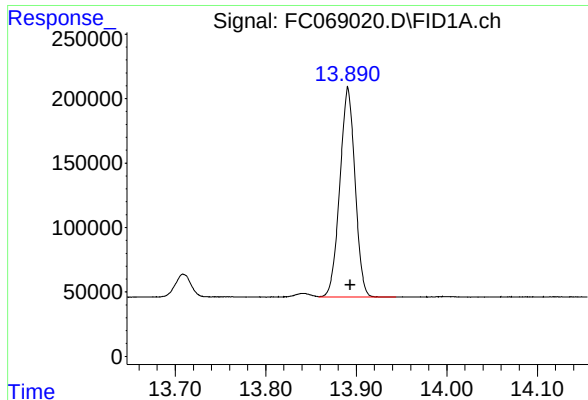
#11 n-Heneicosane (C21)

R.T.: 13.304 min
Delta R.T.: -0.003 min
Response: 1879234
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.138 min
Delta R.T.: -0.001 min
Response: 1777422
Conc: 19.81 ug/ml



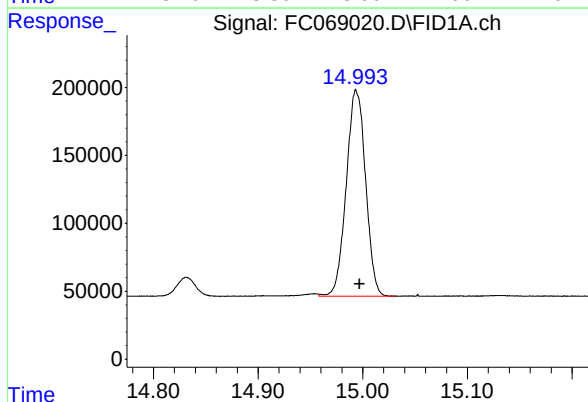
#13 n-Docosane (C22)

R.T.: 13.891 min
Delta R.T.: -0.003 min
Response: 1896857
Conc: 19.91 ug/ml

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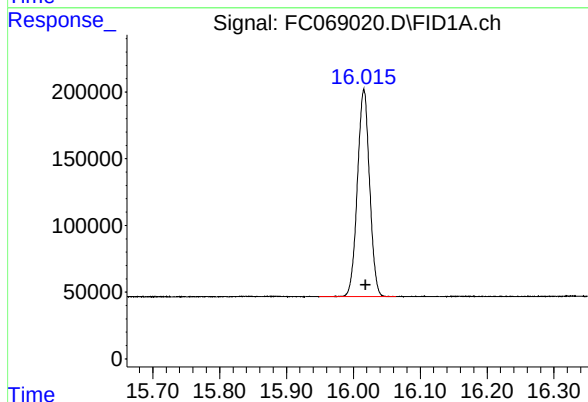
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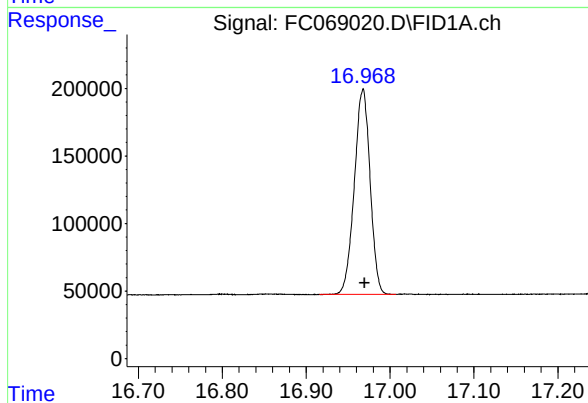
#14 n-Tetracosane (C24)

R.T.: 14.993 min
Delta R.T.: -0.004 min
Response: 1942901
Conc: 20.64 ug/ml



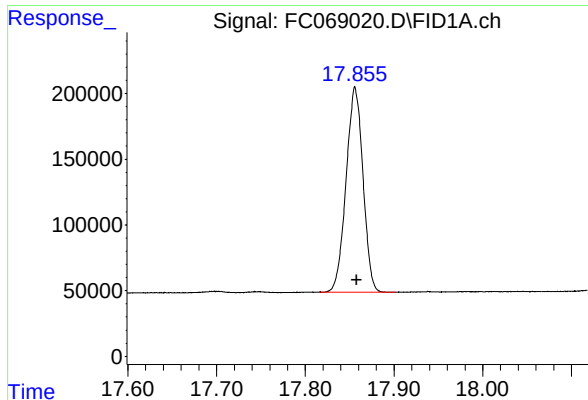
#15 n-Hexacosane (C26)

R.T.: 16.016 min
Delta R.T.: -0.003 min
Response: 1963107
Conc: 21.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.002 min
Response: 1985177
Conc: 21.36 ug/ml



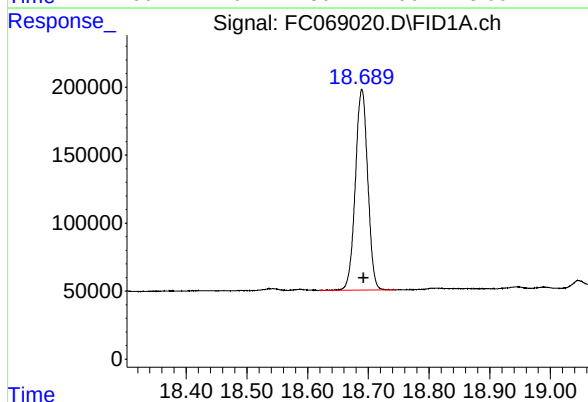
#17 n-Tricontane (C30)

R.T.: 17.856 min
Delta R.T.: -0.002 min
Response: 2063613
Conc: 21.33 ug/ml

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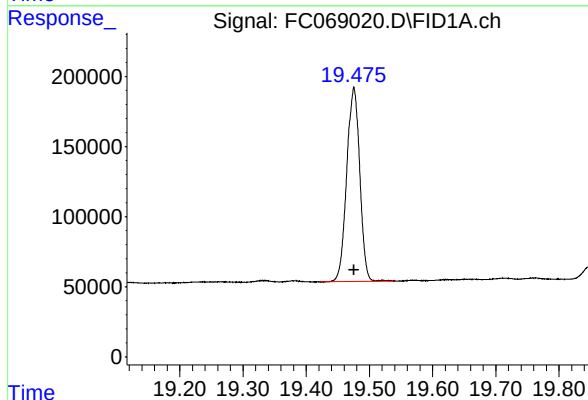
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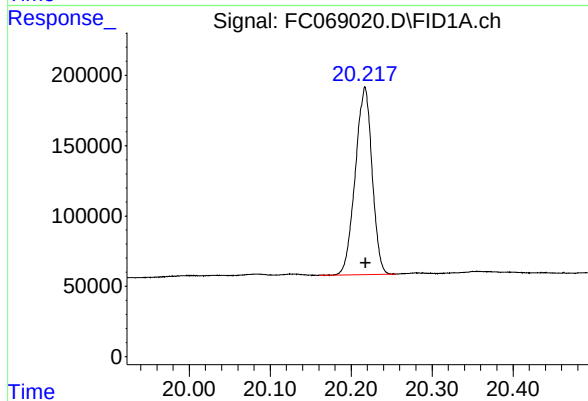
#18 n-Dotriacontane (C32)

R.T.: 18.689 min
Delta R.T.: -0.003 min
Response: 2095783
Conc: 21.15 ug/ml



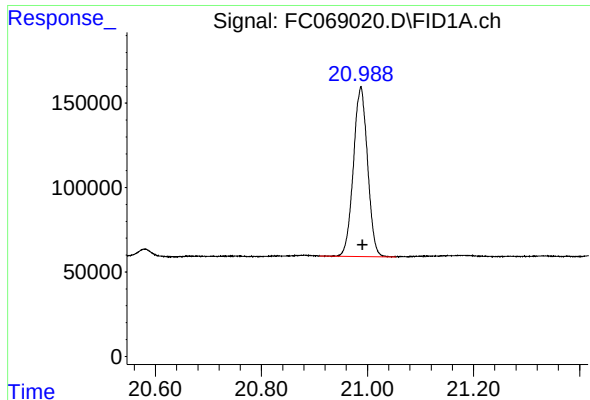
#19 n-Tetatriacontane (C34)

R.T.: 19.475 min
Delta R.T.: 0.000 min
Response: 1990808
Conc: 20.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min
Delta R.T.: -0.001 min
Response: 1923515
Conc: 20.26 ug/ml



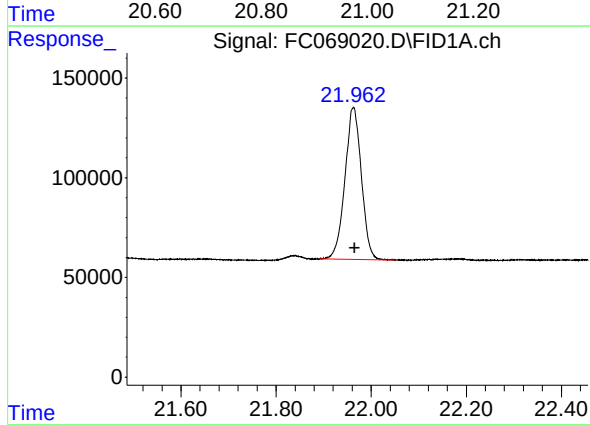
#21 n-Octatriacontane (C38)

R.T.: 20.987 min
Delta R.T.: -0.004 min
Response: 1857478
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.003 min
Response: 1833860
Conc: 20.78 ug/ml