

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052925AL\
 Data File : FC069049.D
 Signal(s) : FID1A.ch
 Acq On : 29 May 2025 12:48
 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 05/30/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 30 03:27:58 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	2443999	19.814 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
12) S 1-chlorooctadecane (S...	13.139	1791271	19.966 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
Target Compounds			
1) T n-Nonane (C9)	3.439	2136578	20.133 ug/ml
2) T n-Decane (C10)	4.514	2148802	20.289 ug/ml
3) T A~Naphthalene (C11.7)	6.110	2334008	20.184 ug/ml
4) T n-Dodecane (C12)	6.538	2128690	20.250 ug/ml
5) T A~2-methylnaphthalene...	7.168	2285427	20.159 ug/ml
6) T n-Tetradecane (C14)	8.335	2073245	20.226 ug/ml
7) T n-Hexadecane (C16)	9.939	2043453	20.139 ug/ml
8) T n-Octadecane (C18)	11.382	2007067	20.082 ug/ml
10) T n-Eicosane (C20)	12.692	1951084	20.032 ug/ml
11) T n-Heneicosane (C21)	13.305	1913604	19.881 ug/ml
13) T n-Docosane (C22)	13.892	1921424	20.168 ug/ml
14) T n-Tetracosane (C24)	14.996	1941994	20.626 ug/mlm
15) T n-Hexacosane (C26)	16.018	1951819	21.023 ug/ml
16) T n-Octacosane (C28)	16.968	1967757	21.169 ug/mlm
17) T n-Tricontane (C30)	17.858	2039634	21.080 ug/ml
18) T n-Dotriacontane (C32)	18.691	2077349	20.963 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1956056	20.295 ug/ml
20) T n-Hexatriacontane (C36)	20.217	1889184	19.901 ug/ml
21) T n-Octatriacontane (C38)	20.991	1804460	19.778 ug/ml
22) T n-Tetracontane (C40)	21.966	1753420	19.872 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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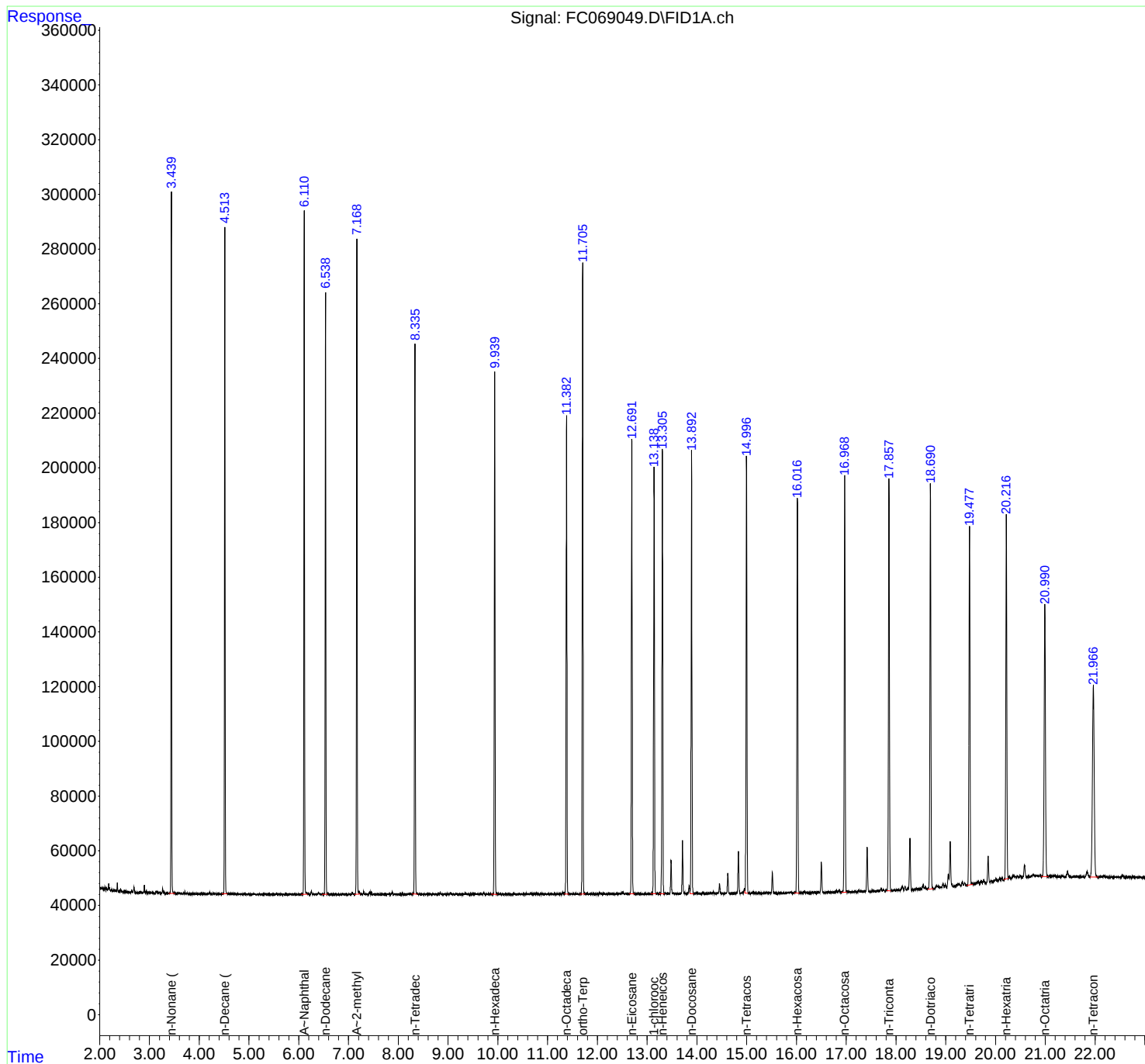
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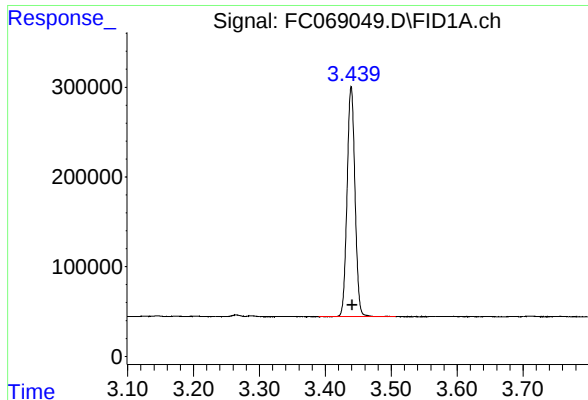
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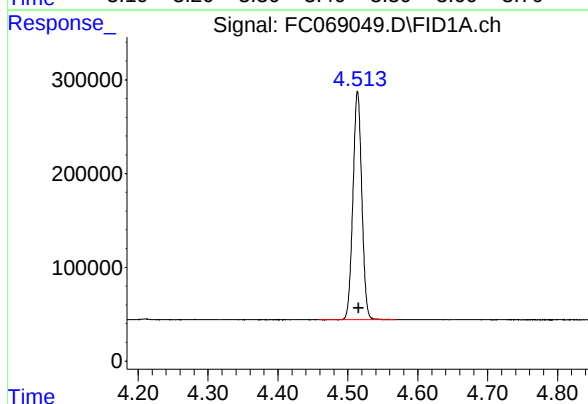
#1 n-Nonane (C9)

R.T.: 3.439 min
Delta R.T.: -0.002 min
Response: 2136578
Conc: 20.13 ug/ml

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20 PPM ALIPHATIC HC STD

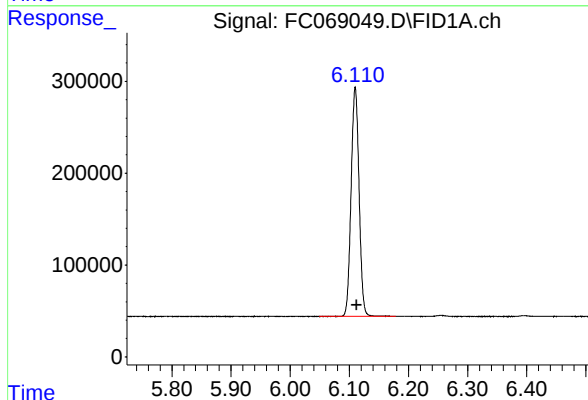
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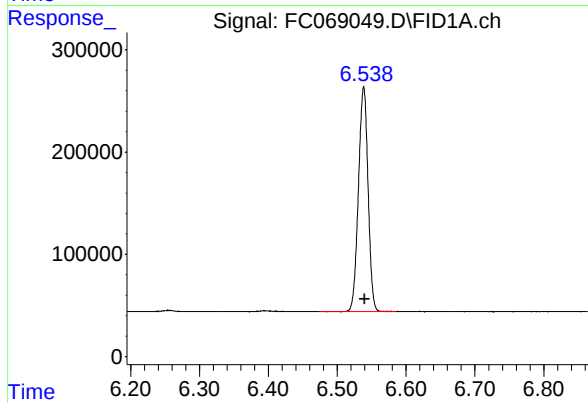
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 2148802
Conc: 20.29 ug/ml



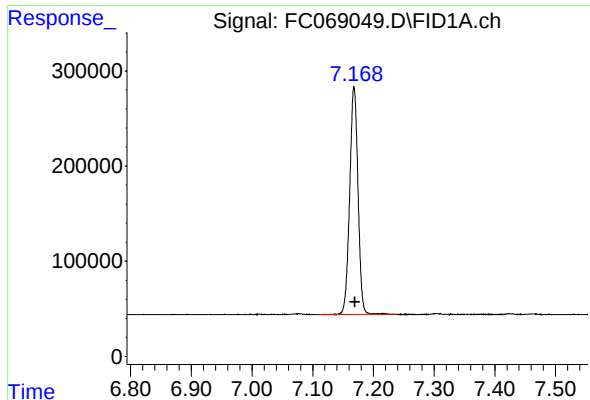
#3 A~Naphthalene (C11.7)

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 2334008
Conc: 20.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.538 min
Delta R.T.: -0.001 min
Response: 2128690
Conc: 20.25 ug/ml



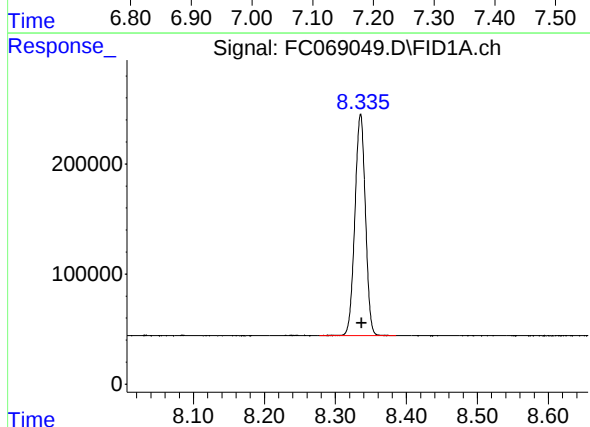
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.168 min
Delta R.T.: -0.002 min
Response: 2285427
Conc: 20.16 ug/ml

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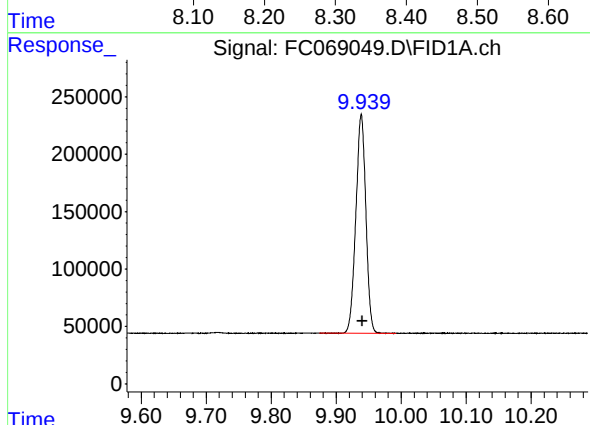
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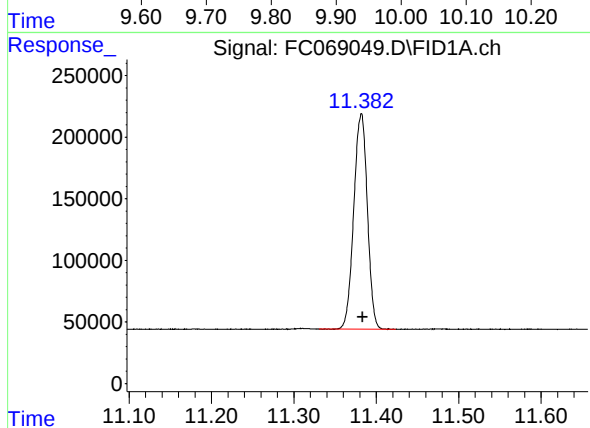
#6 n-Tetradecane (C14)

R.T.: 8.335 min
Delta R.T.: -0.002 min
Response: 2073245
Conc: 20.23 ug/ml



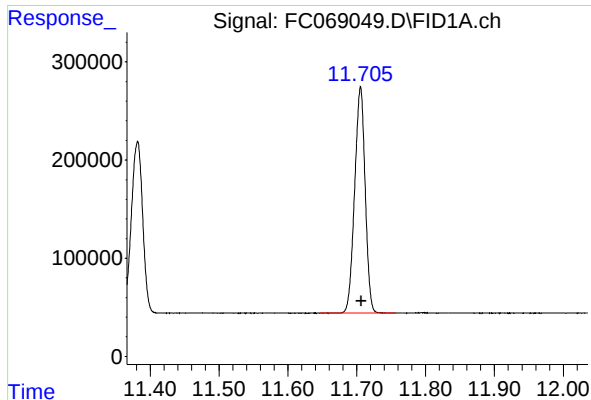
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.001 min
Response: 2043453
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min
Delta R.T.: -0.002 min
Response: 2007067
Conc: 20.08 ug/ml



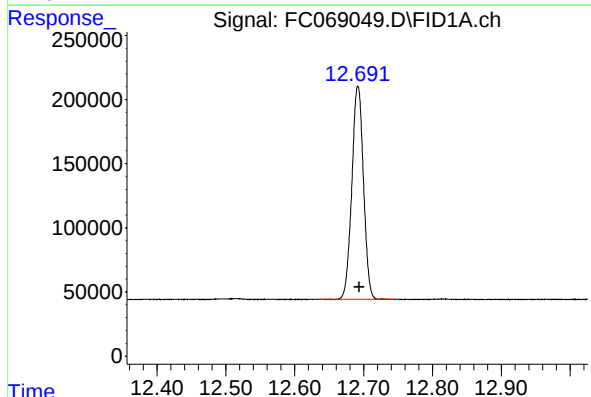
#9 ortho-Terphenyl (SURR)

R.T.: 11.705 min
Delta R.T.: -0.001 min
Response: 2443999
Conc: 19.81 ug/ml

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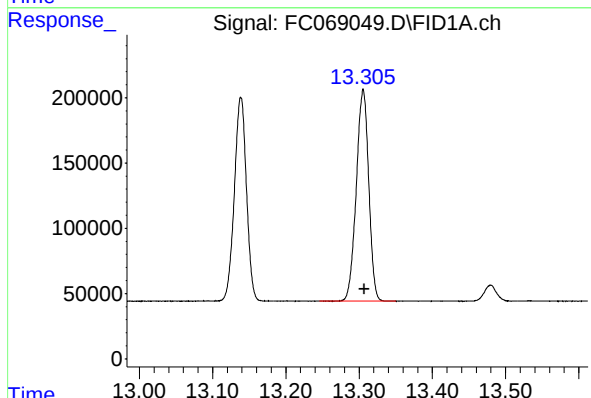
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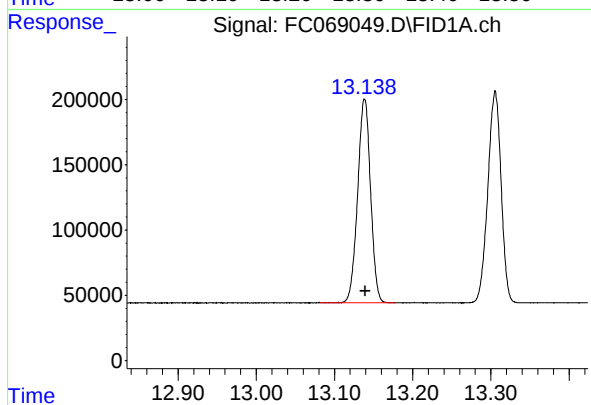
#10 n-Eicosane (C20)

R.T.: 12.692 min
Delta R.T.: -0.002 min
Response: 1951084
Conc: 20.03 ug/ml



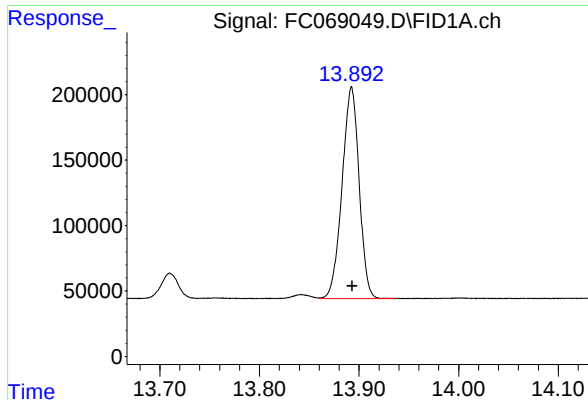
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.002 min
Response: 1913604
Conc: 19.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.139 min
Delta R.T.: 0.000 min
Response: 1791271
Conc: 19.97 ug/ml



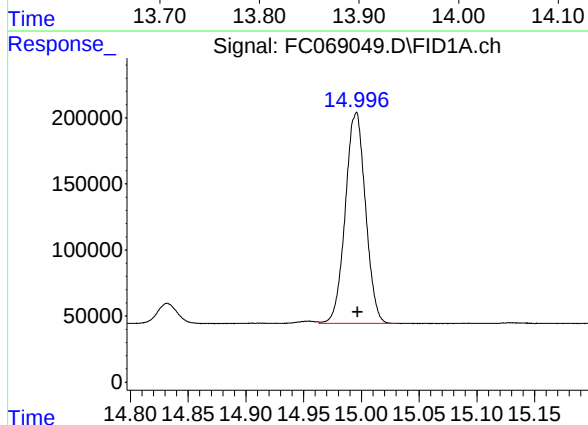
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.001 min
Response: 1921424
Conc: 20.17 ug/ml

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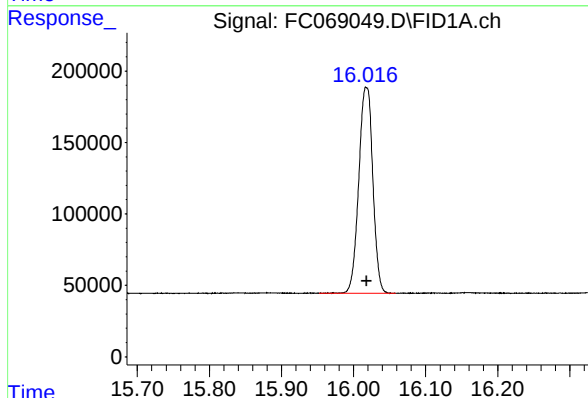
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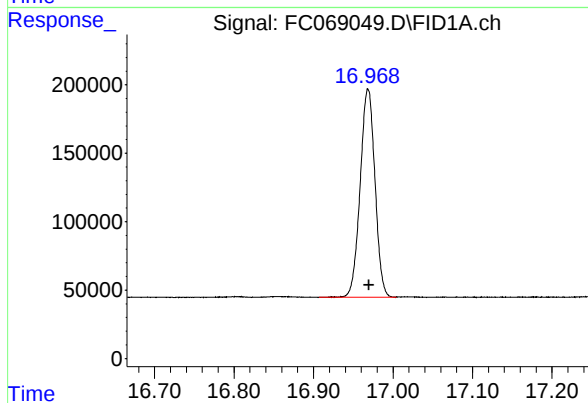
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.001 min
Response: 1941994
Conc: 20.63 ug/ml m



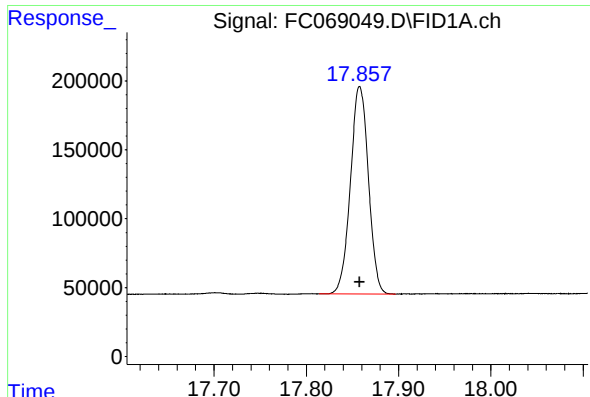
#15 n-Hexacosane (C26)

R.T.: 16.018 min
Delta R.T.: 0.000 min
Response: 1951819
Conc: 21.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.002 min
Response: 1967757
Conc: 21.17 ug/ml m



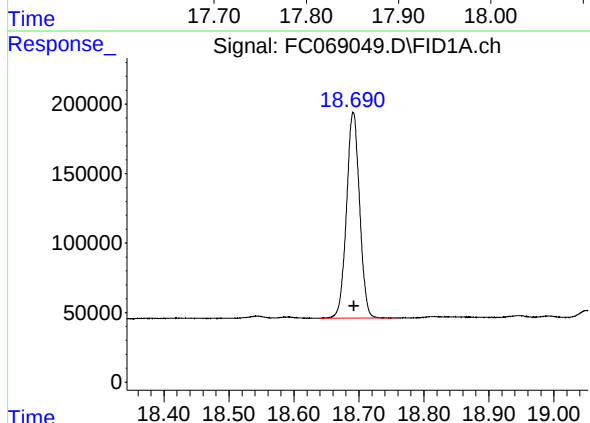
#17 n-Tricontane (C30)

R.T.: 17.858 min
Delta R.T.: 0.000 min
Response: 2039634
Conc: 21.08 ug/ml

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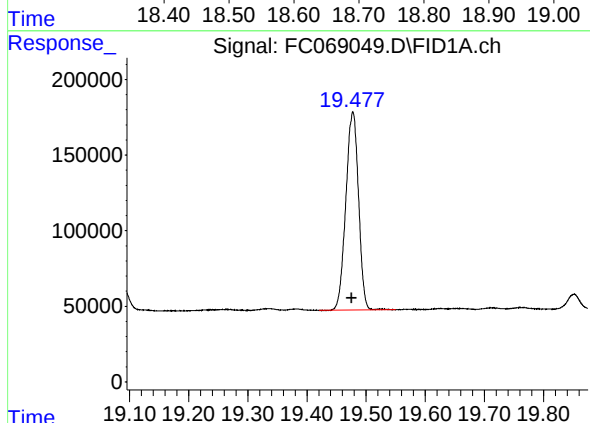
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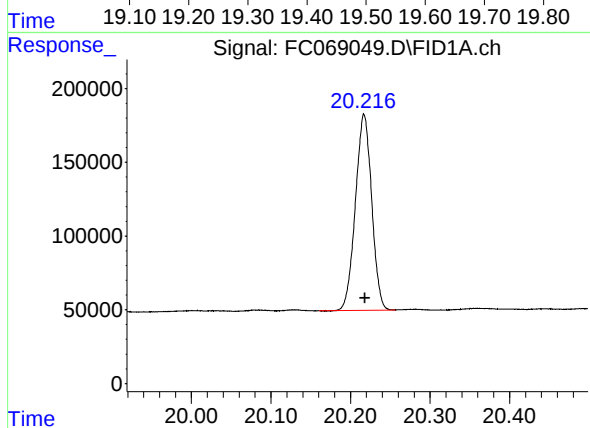
#18 n-Dotriacontane (C32)

R.T.: 18.691 min
Delta R.T.: 0.000 min
Response: 2077349
Conc: 20.96 ug/ml



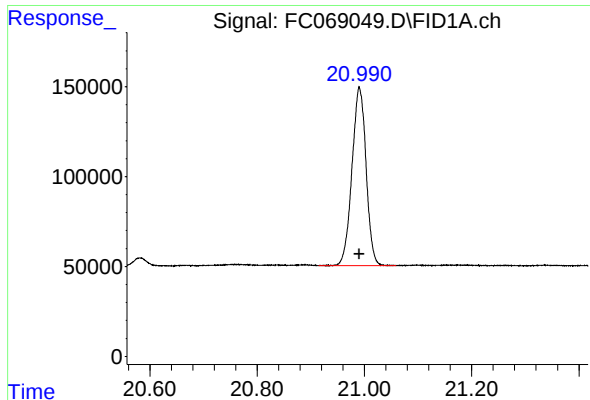
#19 n-Tetatriacontane (C34)

R.T.: 19.477 min
Delta R.T.: 0.002 min
Response: 1956056
Conc: 20.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min
Delta R.T.: 0.000 min
Response: 1889184
Conc: 19.90 ug/ml



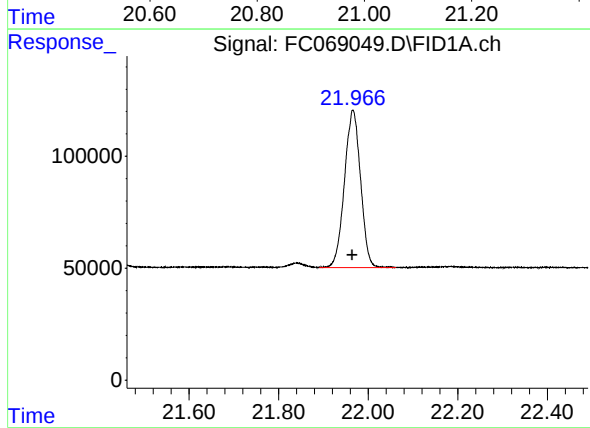
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: 0.000 min
Response: 1804460
Conc: 19.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: 0.001 min
Response: 1753420
Conc: 19.87 ug/ml