

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022525AL\
 Data File : FC068302.D
 Signal(s) : FID1A.ch
 Acq On : 25 Feb 2025 19:26
 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 03/05/2025
 Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
 Quant Time: Mar 05 04:26:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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)	11.398	3018319	19.670 ug/ml
Spiked Amount 50.000		Recovery =	39.34%
12) S 1-chlorooctadecane (S...	12.840	2203488	19.591 ug/ml
Spiked Amount 50.000		Recovery =	39.18%
Target Compounds			
1) T n-Nonane (C9)	3.205	2821214	20.055 ug/ml
2) T n-Decane (C10)	4.262	2861843	20.201 ug/ml
3) T A~Naphthalene (C11.7)	5.829	3090929	20.198 ug/ml
4) T n-Dodecane (C12)	6.271	2830875	20.112 ug/ml
5) T A~2-methylnaphthalene...	6.881	2921837	20.175 ug/ml
6) T n-Tetradecane (C14)	8.060	2737289	20.076 ug/ml
7) T n-Hexadecane (C16)	9.655	2755967	20.122 ug/ml
8) T n-Octadecane (C18)	11.094	2739998	20.035 ug/ml
10) T n-Eicosane (C20)	12.399	2595773	19.924 ug/ml
11) T n-Heneicosane (C21)	13.010	2544573	19.903 ug/ml
13) T n-Docosane (C22)	13.594	2508336	19.903 ug/ml
14) T n-Tetracosane (C24)	14.694	2485129	19.981 ug/ml
15) T n-Hexacosane (C26)	15.715	2444010	20.100 ug/ml
16) T n-Octacosane (C28)	16.663	2407040	20.267 ug/ml
17) T n-Tricontane (C30)	17.550	2507657	20.834 ug/mlm
18) T n-Dotriacontane (C32)	18.382	2450408	21.112 ug/mlm
19) T n-Tetratriacontane (C34)	19.163	2175223	20.130 ug/ml
20) T n-Hexatriacontane (C36)	19.904	1905099	19.810 ug/ml
21) T n-Octatriacontane (C38)	20.616	1808938	20.122 ug/ml
22) T n-Tetracontane (C40)	21.469	1744750	20.166 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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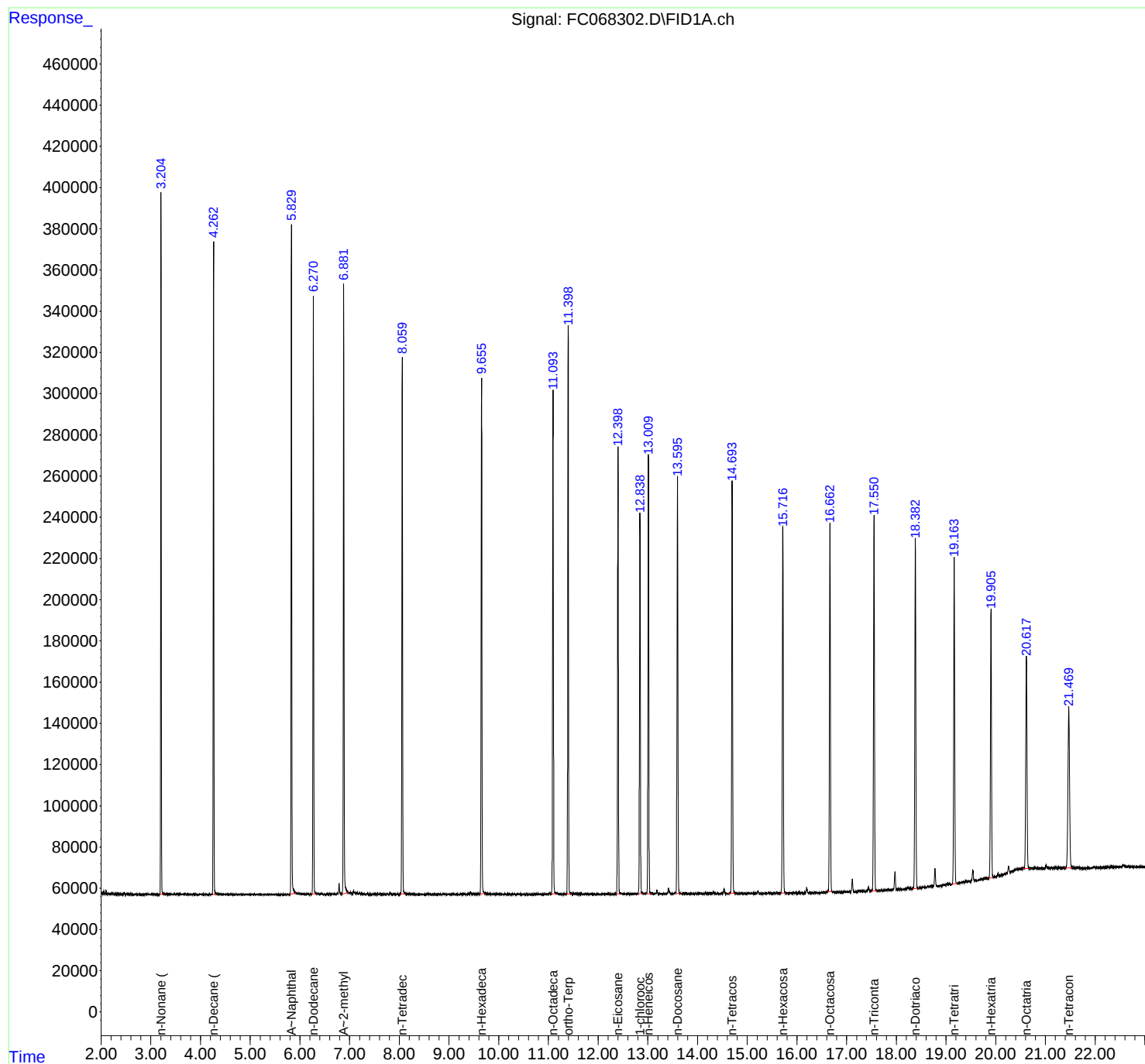
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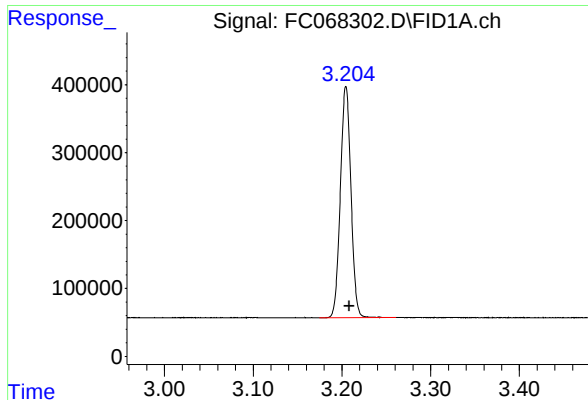
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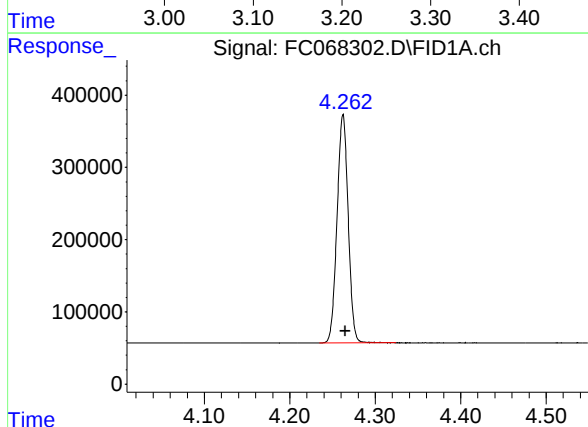
#1 n-Nonane (C9)

R.T.: 3.205 min
Delta R.T.: -0.003 min
Response: 2821214
Conc: 20.05 ug/ml

Instrument :
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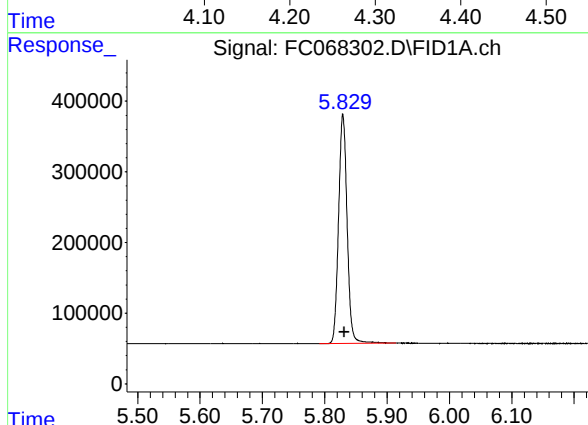
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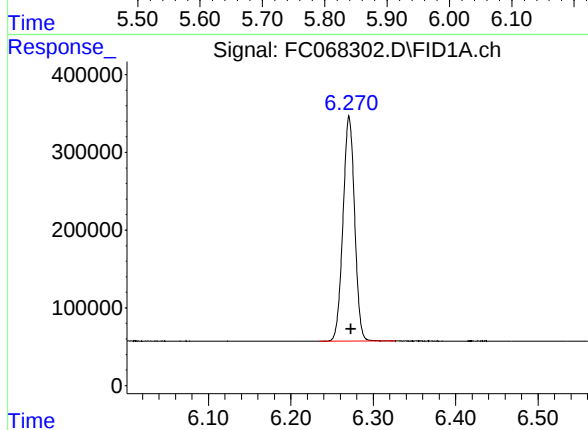
#2 n-Decane (C10)

R.T.: 4.262 min
Delta R.T.: -0.003 min
Response: 2861843
Conc: 20.20 ug/ml



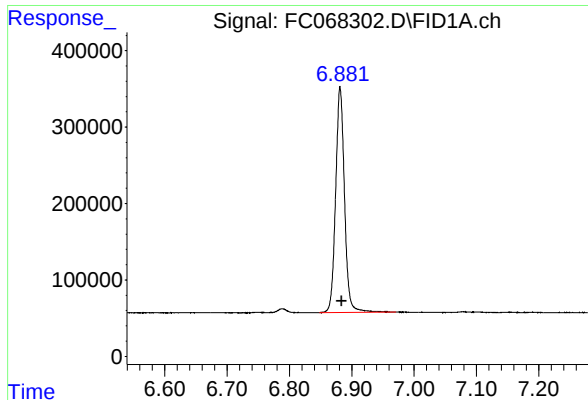
#3 A~Naphthalene (C11.7)

R.T.: 5.829 min
Delta R.T.: -0.002 min
Response: 3090929
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.271 min
Delta R.T.: -0.002 min
Response: 2830875
Conc: 20.11 ug/ml



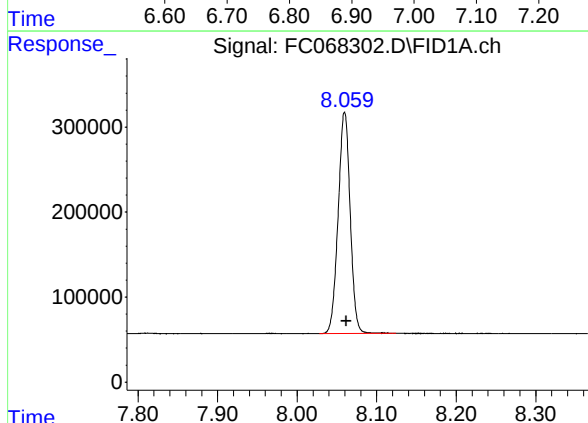
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.881 min
Delta R.T.: -0.003 min
Response: 2921837
Conc: 20.17 ug/ml

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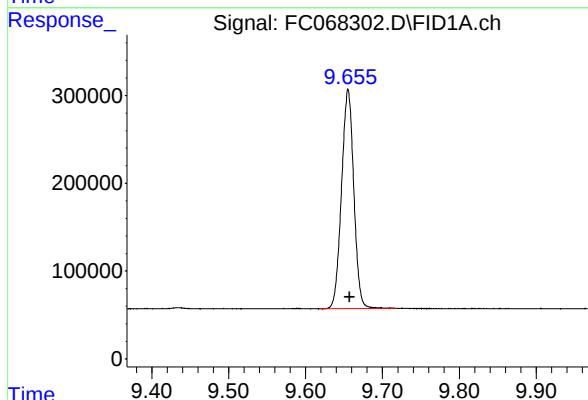
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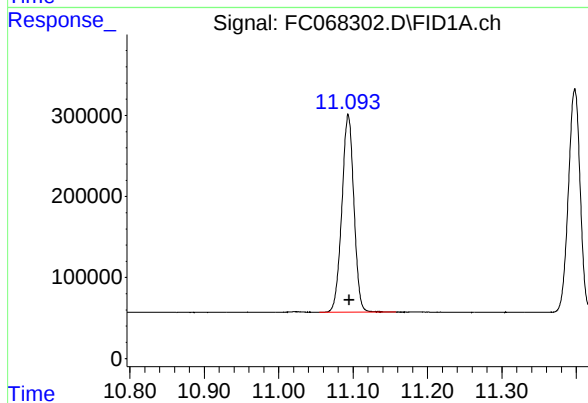
#6 n-Tetradecane (C14)

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 2737289
Conc: 20.08 ug/ml



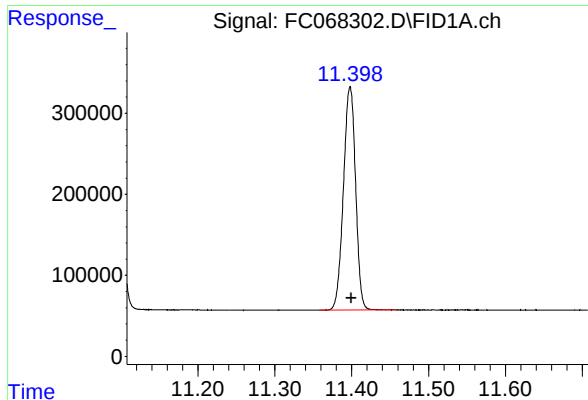
#7 n-Hexadecane (C16)

R.T.: 9.655 min
Delta R.T.: -0.002 min
Response: 2755967
Conc: 20.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.094 min
Delta R.T.: -0.001 min
Response: 2739998
Conc: 20.04 ug/ml



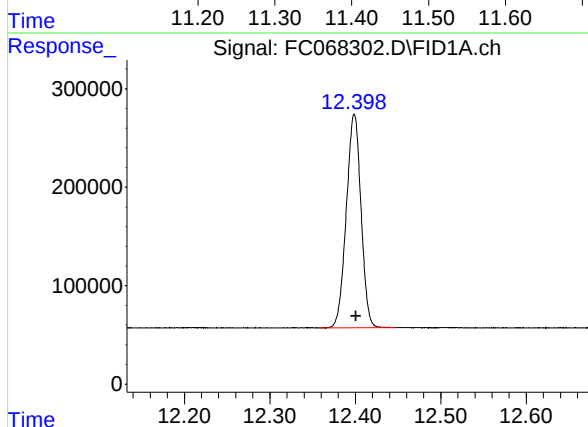
#9 ortho-Terphenyl (SURR)

R.T.: 11.398 min
Delta R.T.: -0.002 min
Response: 3018319
Conc: 19.67 ug/ml

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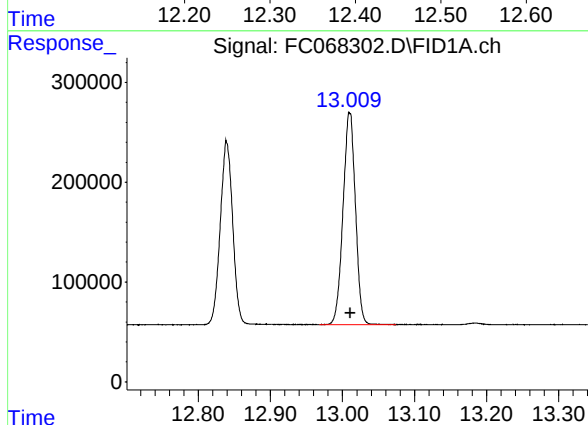
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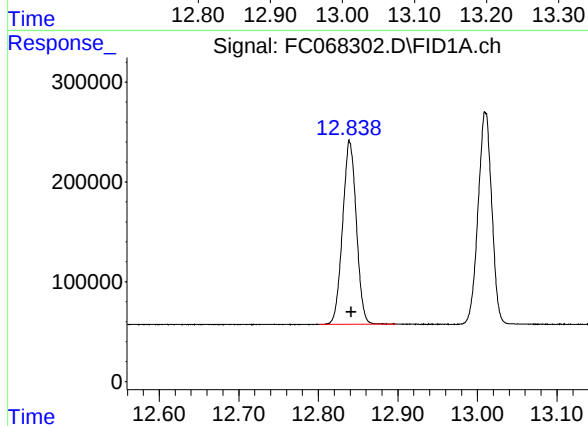
#10 n-Eicosane (C20)

R.T.: 12.399 min
Delta R.T.: -0.002 min
Response: 2595773
Conc: 19.92 ug/ml



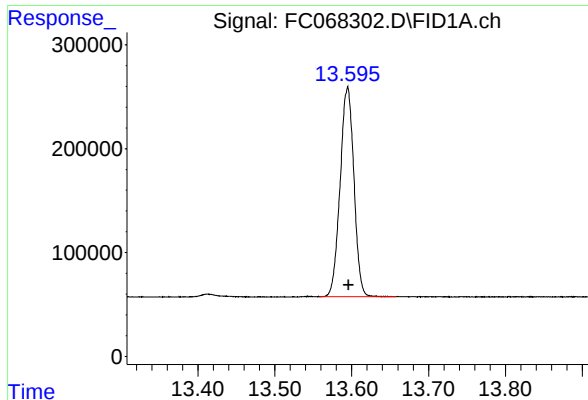
#11 n-Heneicosane (C21)

R.T.: 13.010 min
Delta R.T.: 0.000 min
Response: 2544573
Conc: 19.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 2203488
Conc: 19.59 ug/ml



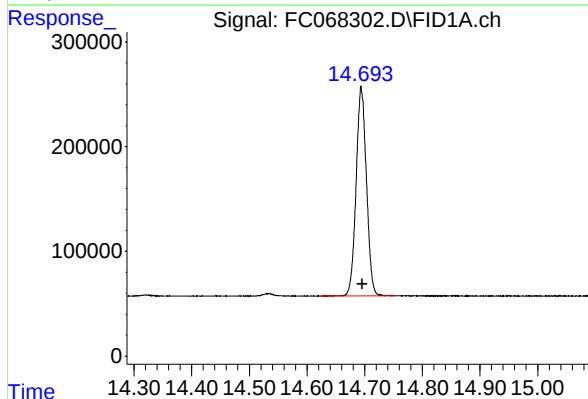
#13 n-Docosane (C22)

R.T.: 13.594 min
Delta R.T.: -0.001 min
Response: 2508336
Conc: 19.90 ug/ml

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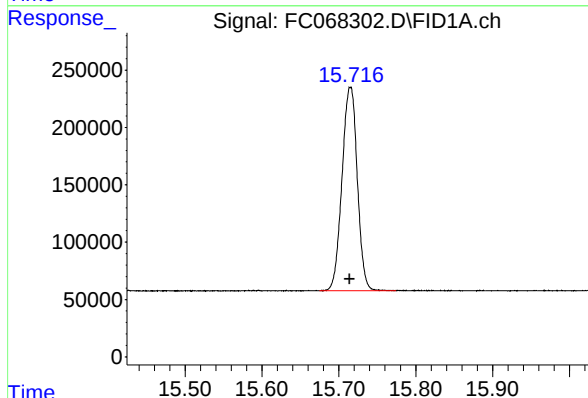
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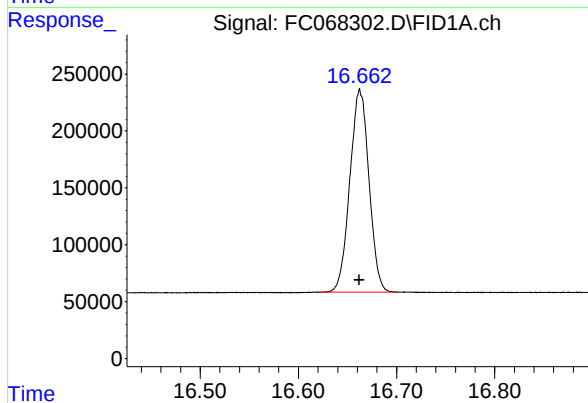
#14 n-Tetracosane (C24)

R.T.: 14.694 min
Delta R.T.: -0.002 min
Response: 2485129
Conc: 19.98 ug/ml



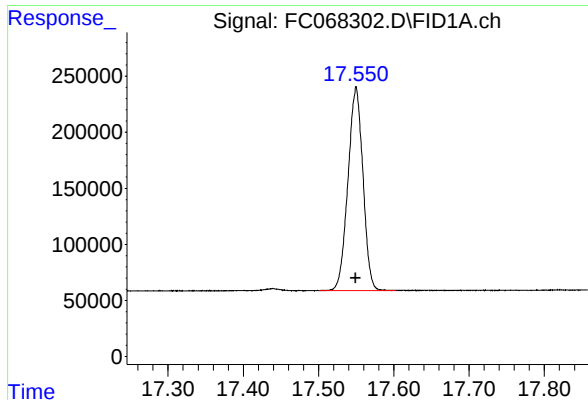
#15 n-Hexacosane (C26)

R.T.: 15.715 min
Delta R.T.: 0.000 min
Response: 2444010
Conc: 20.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.663 min
Delta R.T.: 0.000 min
Response: 2407040
Conc: 20.27 ug/ml



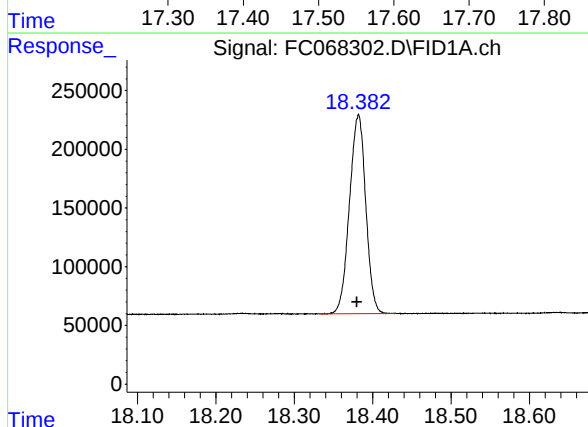
#17 n-Tricontane (C30)

R.T.: 17.550 min
Delta R.T.: 0.000 min
Response: 2507657
Conc: 20.83 ug/ml

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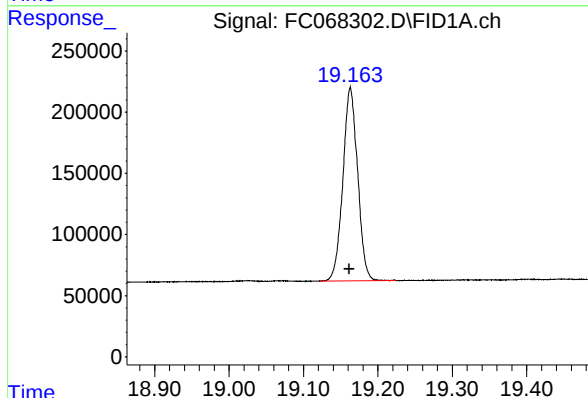
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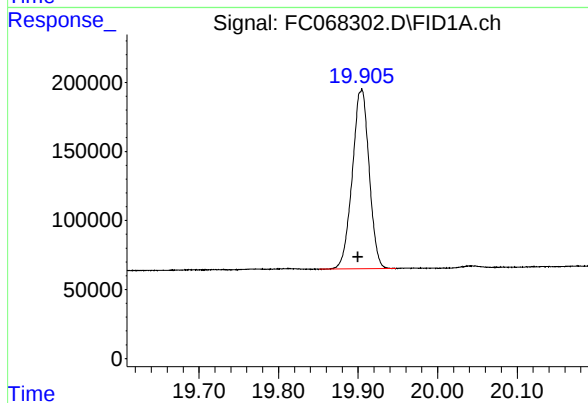
#18 n-Dotriacontane (C32)

R.T.: 18.382 min
Delta R.T.: 0.002 min
Response: 2450408
Conc: 21.11 ug/ml m



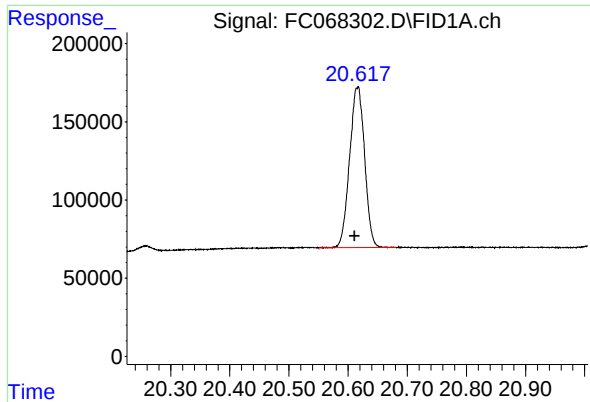
#19 n-Tetratriacontane (C34)

R.T.: 19.163 min
Delta R.T.: 0.002 min
Response: 2175223
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.904 min
Delta R.T.: 0.004 min
Response: 1905099
Conc: 19.81 ug/ml



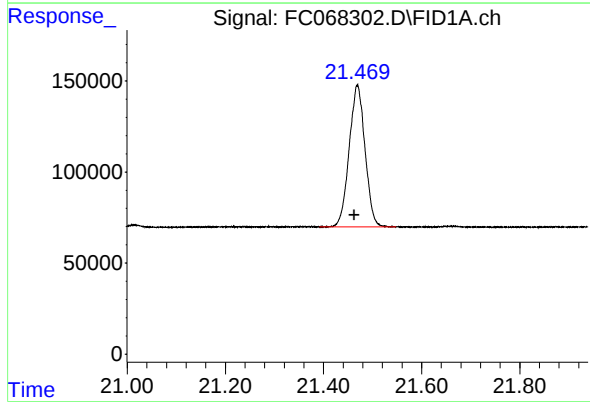
#21 n-Octatriacontane (C38)

R.T.: 20.616 min
Delta R.T.: 0.005 min
Response: 1808938
Conc: 20.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.469 min
Delta R.T.: 0.006 min
Response: 1744750
Conc: 20.17 ug/ml