

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068491.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 19:00
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/03/2025
 Supervised By :mohammad ahmed 04/04/2025

Integration File: autoint1.e
 Quant Time: Apr 03 04:11:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 02 19:03:12 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)	11.713	671418	5.241 ug/ml
Spiked Amount 50.000		Recovery =	10.48%
12) S 1-chlorooctadecane (S...	13.312	558601	5.270 ug/ml
Spiked Amount 50.000		Recovery =	10.54%
Target Compounds			
1) T n-Nonane (C9)	3.449	575716	5.191 ug/ml
2) T n-Decane (C10)	4.457f	666236	5.910 ug/ml
3) T A~Naphthalene (C11.7)	6.121	643451	5.170 ug/ml
4) T n-Dodecane (C12)	6.549	585398	5.201 ug/ml
5) T A~2-methylnaphthalene...	7.178	615511	5.165 ug/ml
6) T n-Tetradecane (C14)	8.345	582110	5.253 ug/ml
7) T n-Hexadecane (C16)	9.947	597037	5.256 ug/ml
8) T n-Octadecane (C18)	11.389	602829	5.292 ug/mlm
10) T n-Eicosane (C20)	12.699	585838	5.397 ug/ml
11) T n-Heneicosane (C21)	13.146	476560	5.220 ug/ml
13) T n-Docosane (C22)	13.897	602914	5.626 ug/ml
14) T n-Tetracosane (C24)	15.002	689645	6.234 ug/ml
15) T n-Hexacosane (C26)	16.024	727762	6.588 ug/ml
16) T n-Octacosane (C28)	16.973	745209	6.804 ug/mlm
17) T n-Tricontane (C30)	17.861	741958	6.733 ug/mlm
18) T n-Dotriacontane (C32)	18.695	682032	6.572 ug/ml
19) T n-Tetratriacontane (C34)	19.479	514685	5.736 ug/ml
20) T n-Hexatriacontane (C36)	20.220	386018	5.169 ug/ml
21) T n-Octatriacontane (C38)	20.992	287493	4.629 ug/ml
22) T n-Tetracontane (C40)	21.968	191044	4.143 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

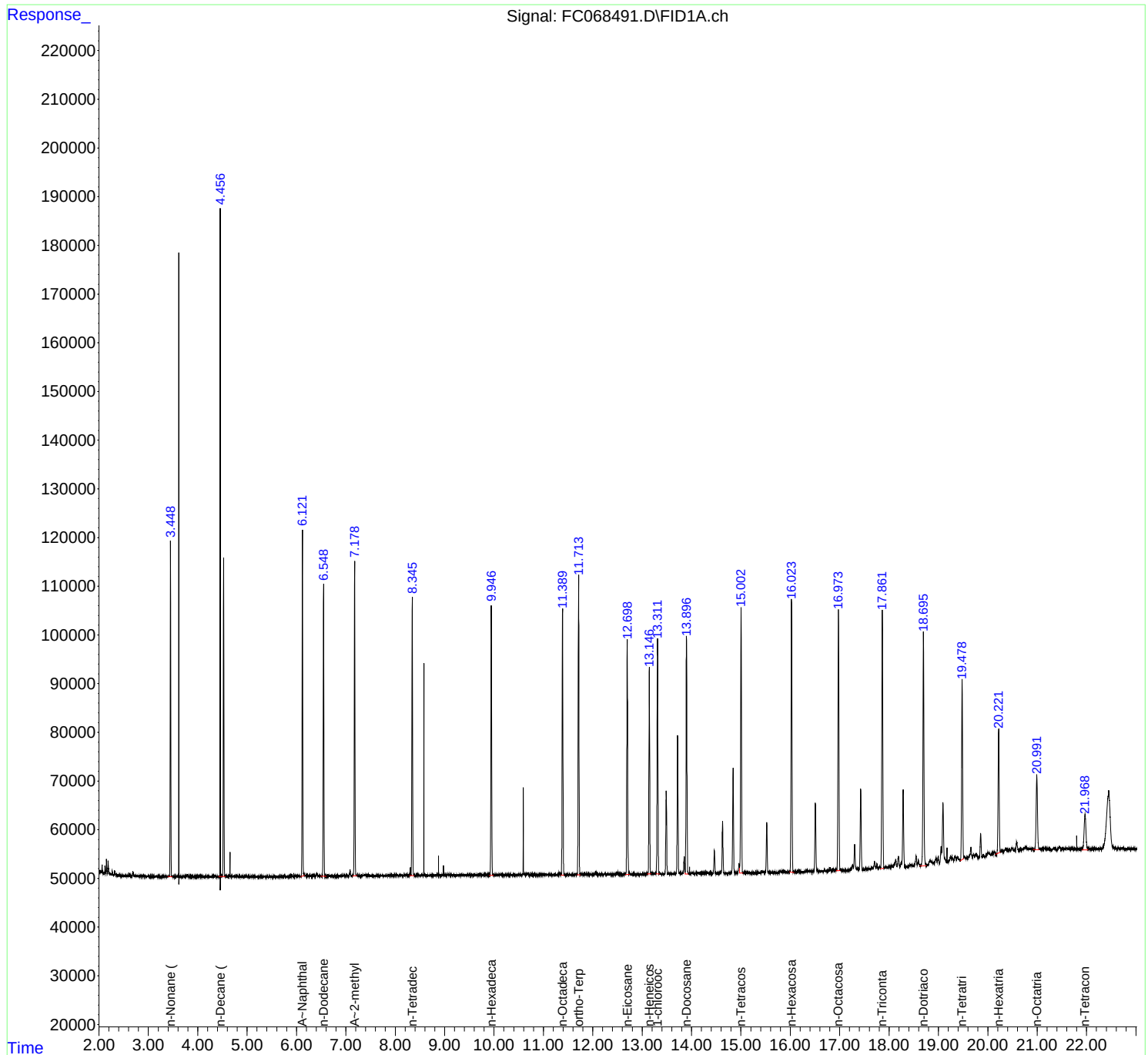
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

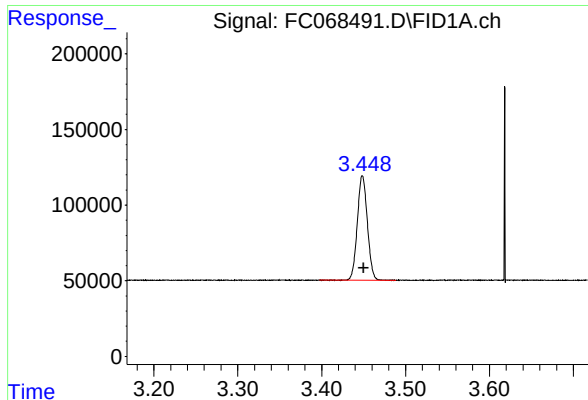
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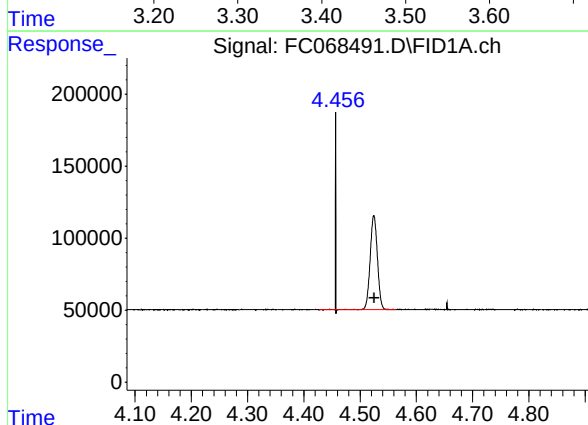
#1 n-Nonane (C9)

R.T.: 3.449 min
Delta R.T.: -0.001 min
Response: 575716
Conc: 5.19 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

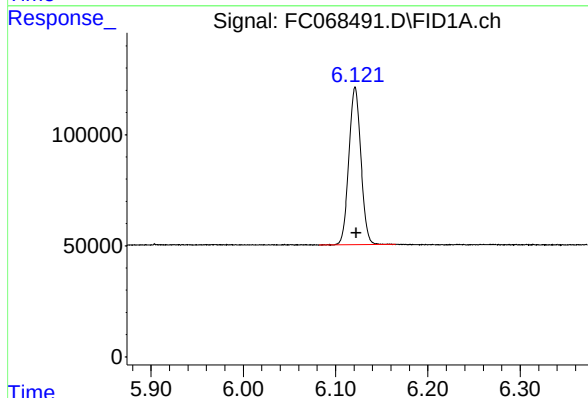
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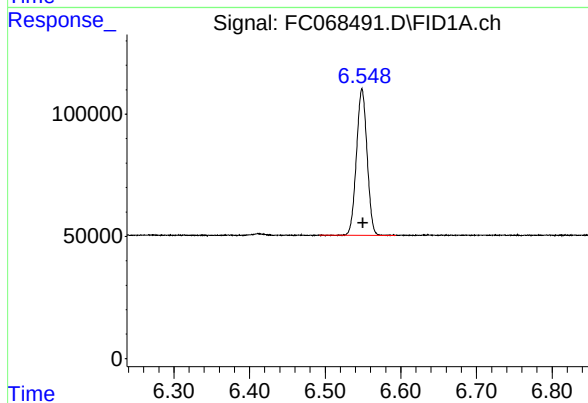
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: -0.009 min
Response: 666236
Conc: 5.91 ug/ml



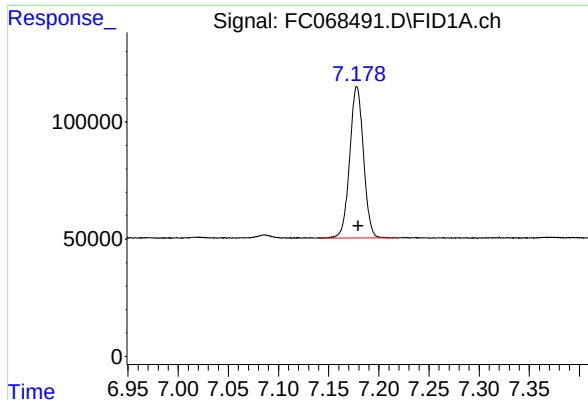
#3 A~Naphthalene (C11.7)

R.T.: 6.121 min
Delta R.T.: -0.001 min
Response: 643451
Conc: 5.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.549 min
Delta R.T.: -0.001 min
Response: 585398
Conc: 5.20 ug/ml



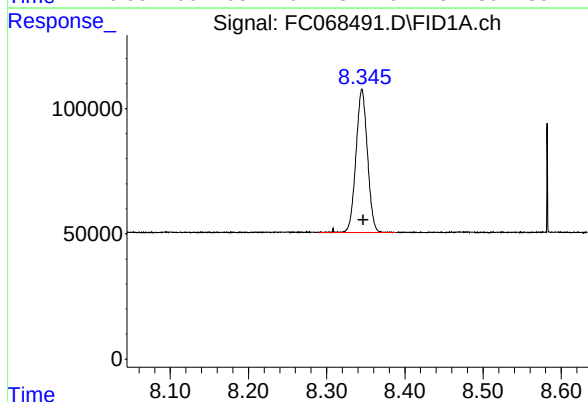
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.178 min
Delta R.T.: -0.002 min
Response: 615511
Conc: 5.16 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

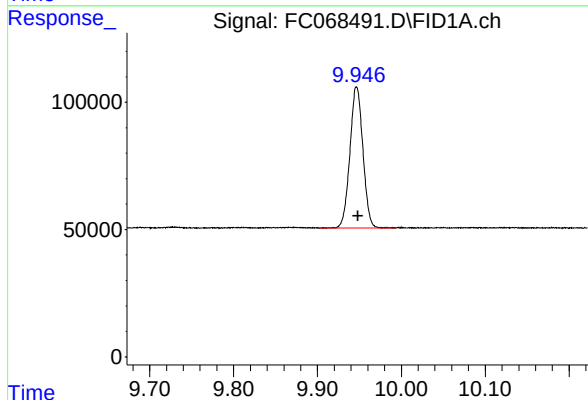
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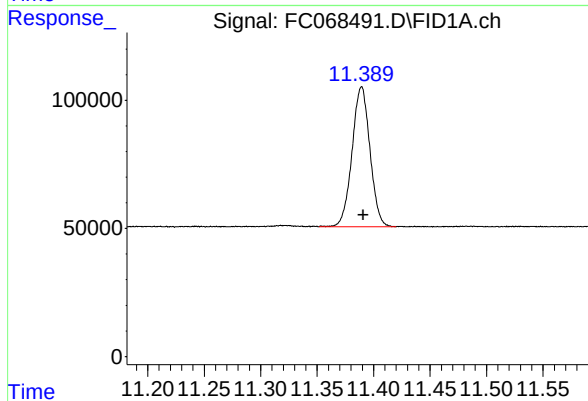
#6 n-Tetradecane (C14)

R.T.: 8.345 min
Delta R.T.: -0.002 min
Response: 582110
Conc: 5.25 ug/ml



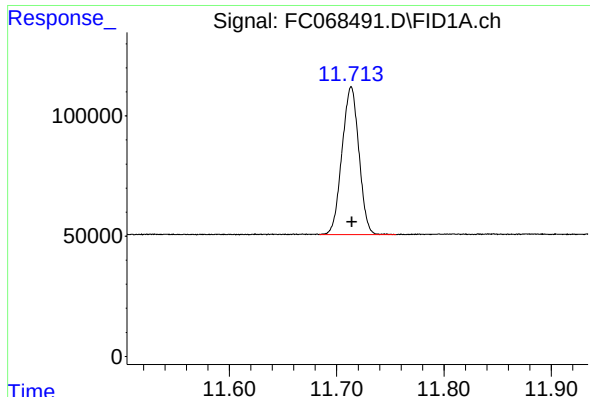
#7 n-Hexadecane (C16)

R.T.: 9.947 min
Delta R.T.: -0.002 min
Response: 597037
Conc: 5.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.389 min
Delta R.T.: -0.002 min
Response: 602829
Conc: 5.29 ug/ml m



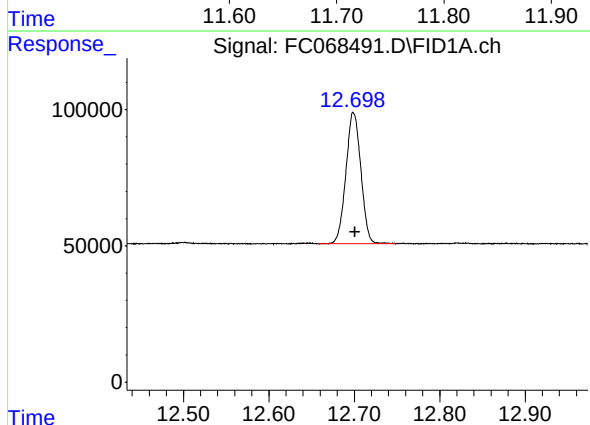
#9 ortho-Terphenyl (SURR)

R.T.: 11.713 min
Delta R.T.: 0.000 min
Response: 671418
Conc: 5.24 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

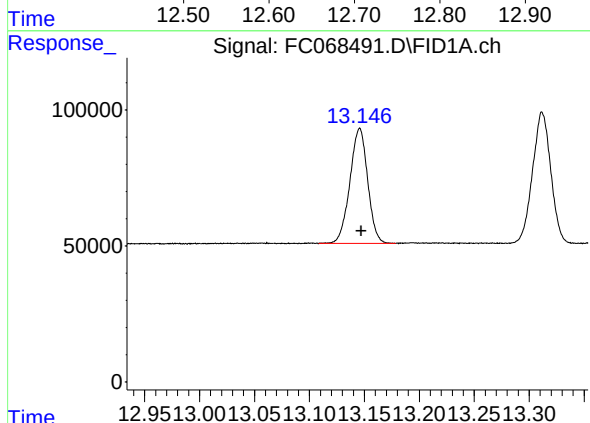
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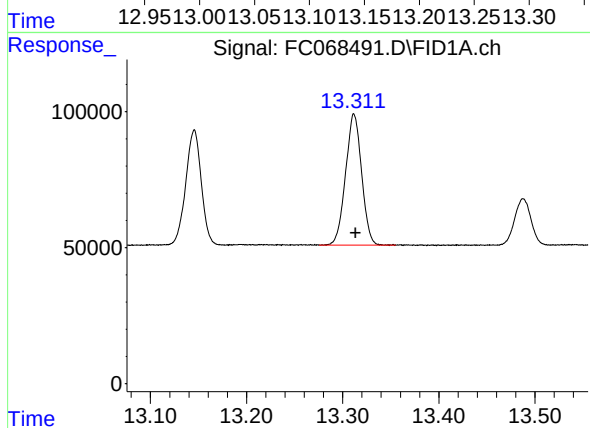
#10 n-Eicosane (C20)

R.T.: 12.699 min
Delta R.T.: -0.002 min
Response: 585838
Conc: 5.40 ug/ml



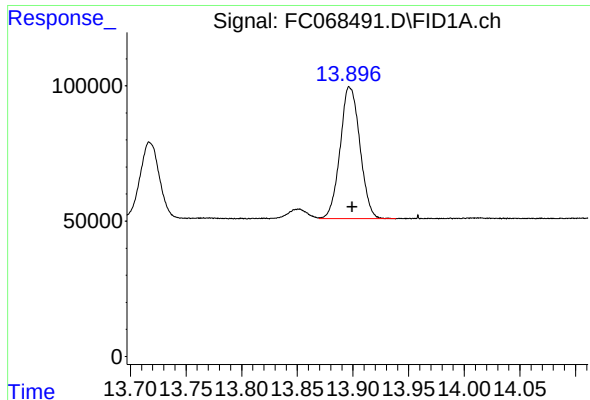
#11 n-Heneicosane (C21)

R.T.: 13.146 min
Delta R.T.: -0.002 min
Response: 476560
Conc: 5.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.002 min
Response: 558601
Conc: 5.27 ug/ml



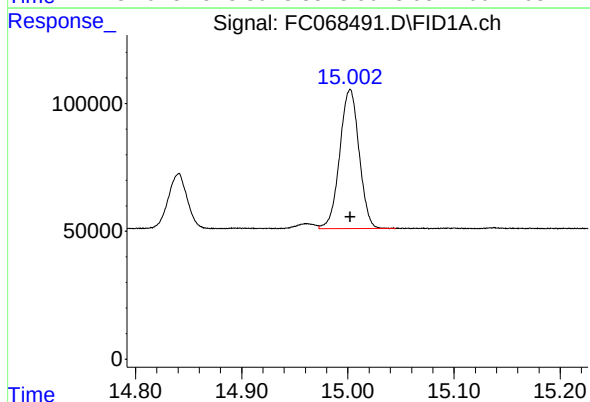
#13 n-Docosane (C22)

R.T.: 13.897 min
Delta R.T.: -0.002 min
Response: 602914
Conc: 5.63 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

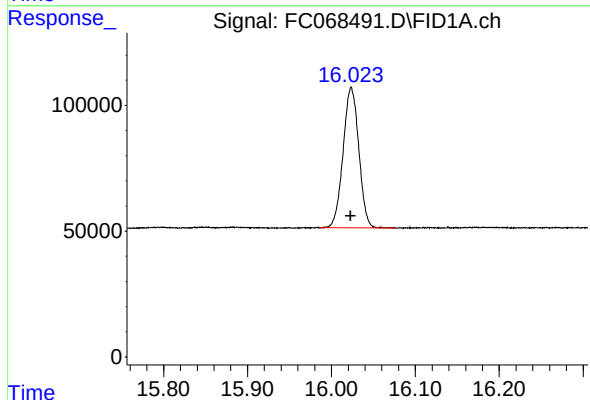
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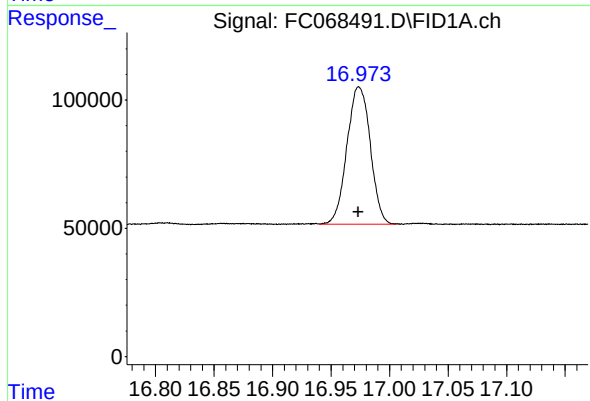
#14 n-Tetracosane (C24)

R.T.: 15.002 min
Delta R.T.: 0.000 min
Response: 689645
Conc: 6.23 ug/ml



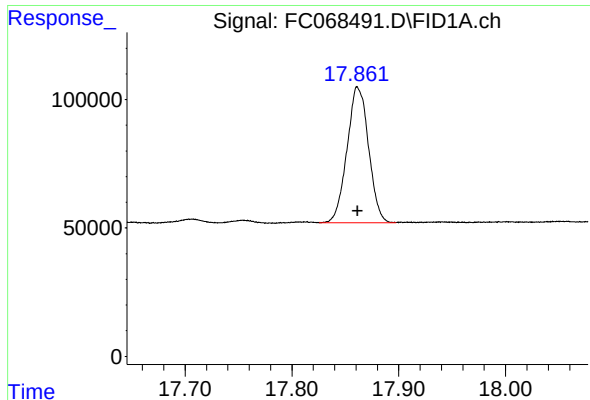
#15 n-Hexacosane (C26)

R.T.: 16.024 min
Delta R.T.: 0.000 min
Response: 727762
Conc: 6.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.973 min
Delta R.T.: 0.000 min
Response: 745209
Conc: 6.80 ug/ml m



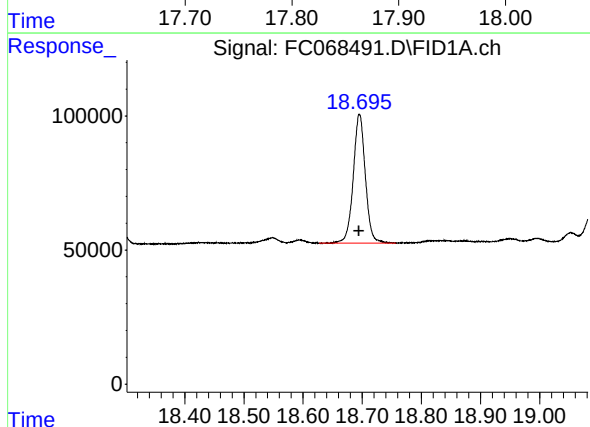
#17 n-Tricontane (C30)

R.T.: 17.861 min
Delta R.T.: 0.000 min
Response: 741958
Conc: 6.73 ug/ml

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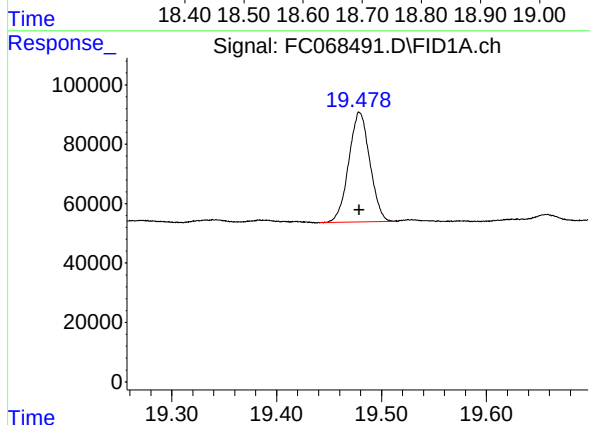
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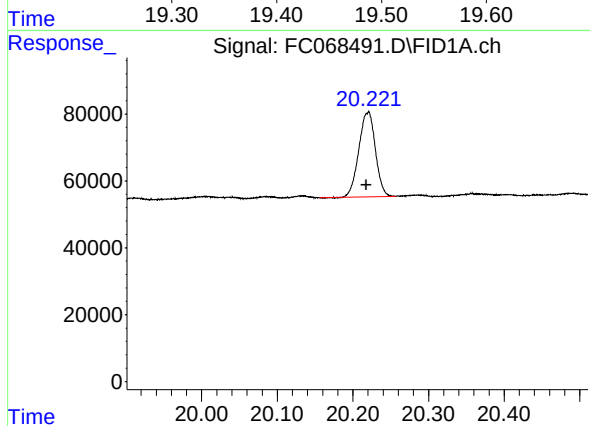
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 682032
Conc: 6.57 ug/ml



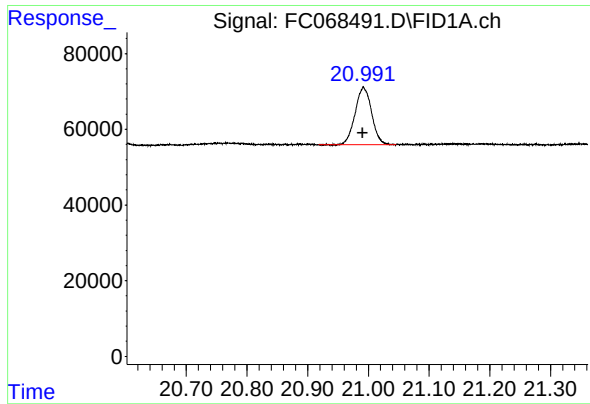
#19 n-Tetratriacontane (C34)

R.T.: 19.479 min
Delta R.T.: 0.000 min
Response: 514685
Conc: 5.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.220 min
Delta R.T.: 0.002 min
Response: 386018
Conc: 5.17 ug/ml



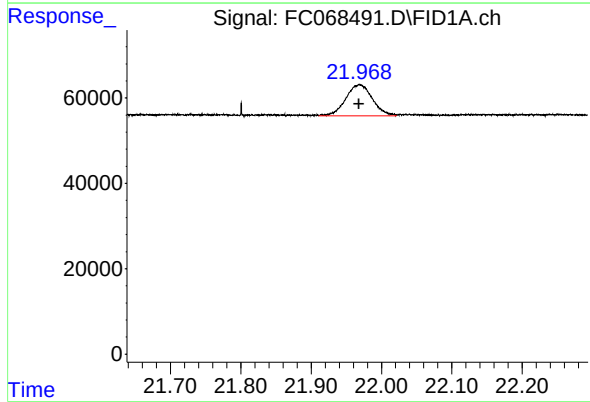
#21 n-Octatriacontane (C38)

R.T.: 20.992 min
Delta R.T.: 0.001 min
Response: 287493
Conc: 4.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: 0.000 min
Response: 191044
Conc: 4.14 ug/ml m