

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020525AL\
 Data File : FC068194.D
 Signal(s) : FID1A.ch
 Acq On : 05 Feb 2025 14:08
 Operator : YP/AJ
 Sample : PB166564BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB166564BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :Ankita Jodhani 02/06/2025

Integration File: autoint1.e

Quant Time: Feb 06 04:11:59 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M

Quant Title : GC Extractables

QLast Update : Sat Jan 25 04:31:18 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)	11.405	5699610	36.474 ug/ml
Spiked Amount 50.000		Recovery =	72.95%
12) S 1-chlorooctadecane (S...	12.845	4467921	38.851 ug/ml
Spiked Amount 50.000		Recovery =	77.70%
Target Compounds			
1) T n-Nonane (C9)	3.226	4810724	35.132 ug/ml
2) T n-Decane (C10)	4.276	5076272	36.564 ug/mlm
3) T A~Naphthalene (C11.7)	5.839	5961720	39.711 ug/ml
4) T n-Dodecane (C12)	6.279	5150451	36.868 ug/ml
5) T A~2-methylnaphthalene...	6.890	5361567	37.328 ug/ml
6) T n-Tetradecane (C14)	8.068	5206607	38.150 ug/ml
7) T n-Hexadecane (C16)	9.662	5110018	36.776 ug/ml
8) T n-Octadecane (C18)	11.100	5040307	36.024 ug/ml
10) T n-Eicosane (C20)	12.445	5432917	40.604 ug/ml
11) T n-Heneicosane (C21)	13.015	4842924	36.873 ug/ml
13) T n-Docosane (C22)	13.599	4773113	36.848 ug/ml
14) T n-Tetracosane (C24)	14.658	9757578	76.002 ug/mlm
15) T n-Hexacosane (C26)	15.719	4527593	35.980 ug/ml
16) T n-Octacosane (C28)	16.665	4451461	35.591 ug/ml
17) T n-Tricontane (C30)	17.553	4370022	33.809 ug/ml
18) T n-Dotriacontane (C32)	18.383	4043558	32.345 ug/ml
19) T n-Tetratriacontane (C34)	19.164	3556049	32.782 ug/ml
20) T n-Hexatriacontane (C36)	19.901	2893667	31.268 ug/mlm
21) T n-Octatriacontane (C38)	20.612	2441874	28.497 ug/mlm
22) T n-Tetracontane (C40)	21.465	2156192	26.666 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 12 Sample Multiplier: 1

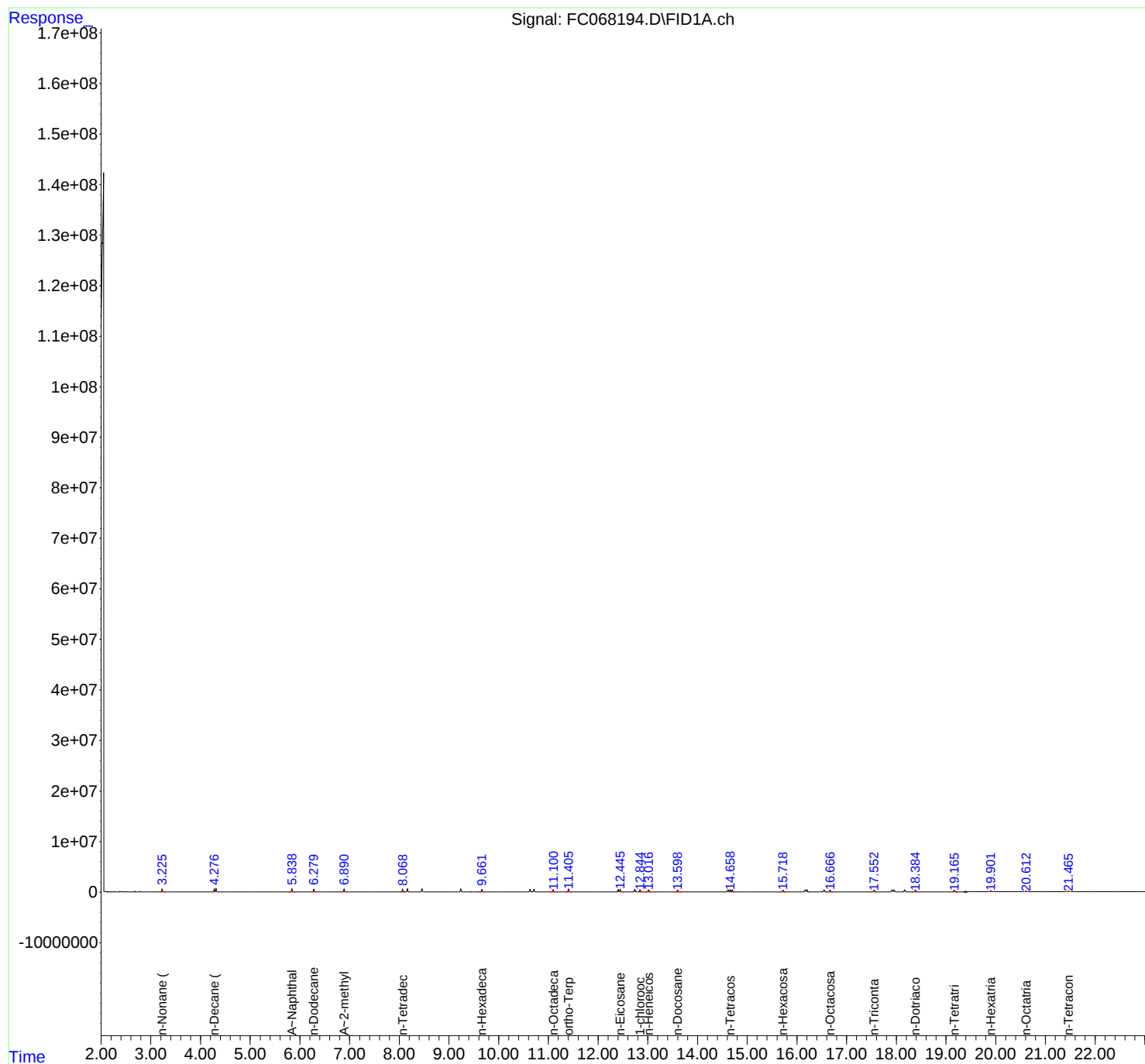
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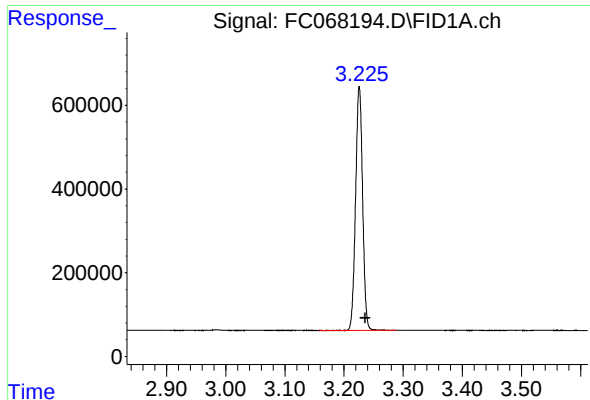
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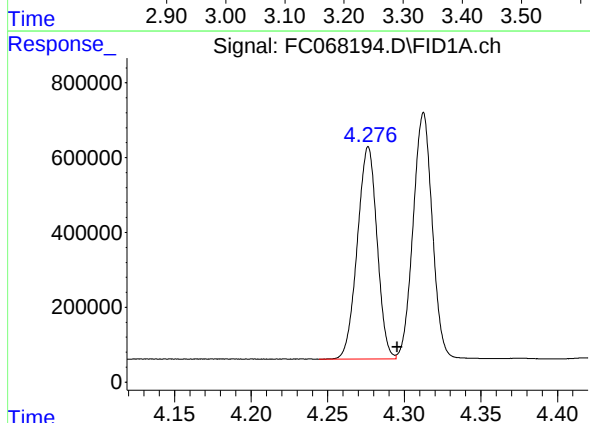
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.010 min
Response: 4810724
Conc: 35.13 ug/ml

Instrument :
FID_C
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PB166564BS

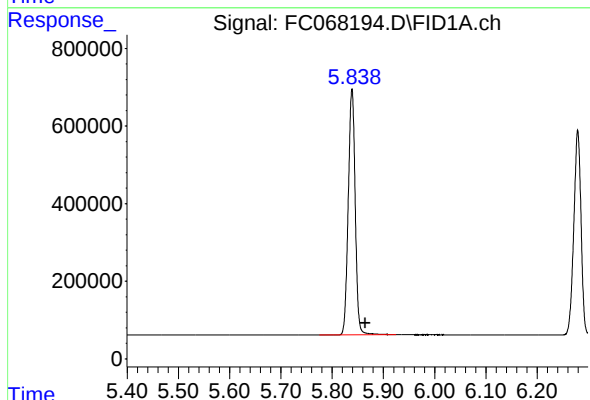
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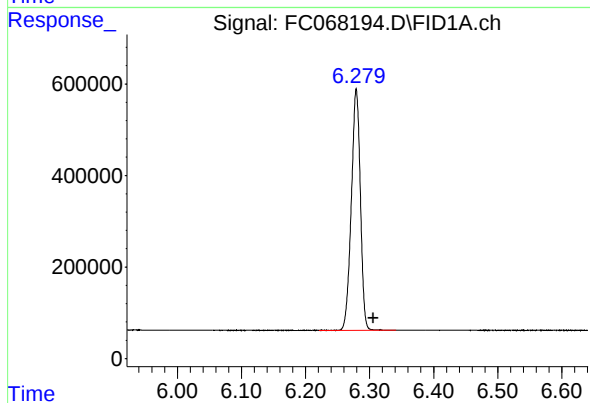
#2 n-Decane (C10)

R.T.: 4.276 min
Delta R.T.: -0.019 min
Response: 5076272
Conc: 36.56 ug/ml



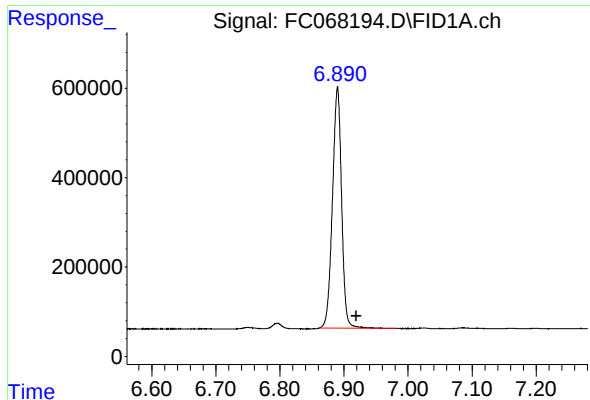
#3 A~Naphthalene (C11.7)

R.T.: 5.839 min
Delta R.T.: -0.026 min
Response: 5961720
Conc: 39.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.279 min
Delta R.T.: -0.026 min
Response: 5150451
Conc: 36.87 ug/ml



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

R.T.: 6.890 min
Delta R.T.: -0.029 min
Response: 5361567
Conc: 37.33 ug/ml

Instrument :

FID_C

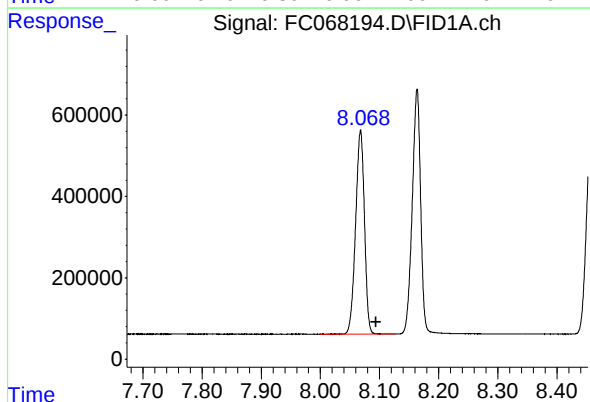
ClientSampleId :

PB166564BS

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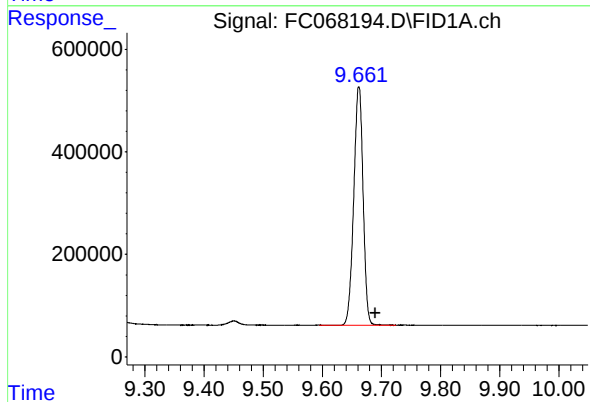
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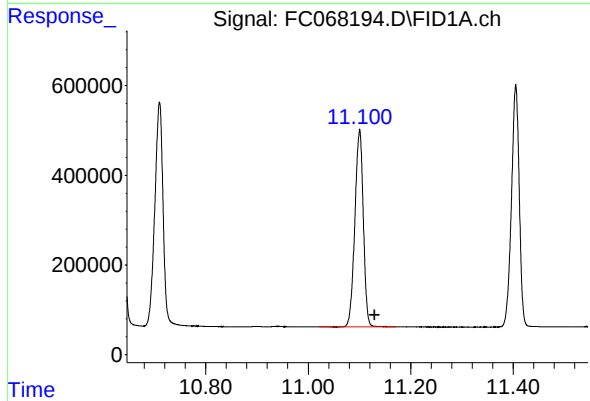
#6 n-Tetradecane (C14)

R.T.: 8.068 min
Delta R.T.: -0.026 min
Response: 5206607
Conc: 38.15 ug/ml



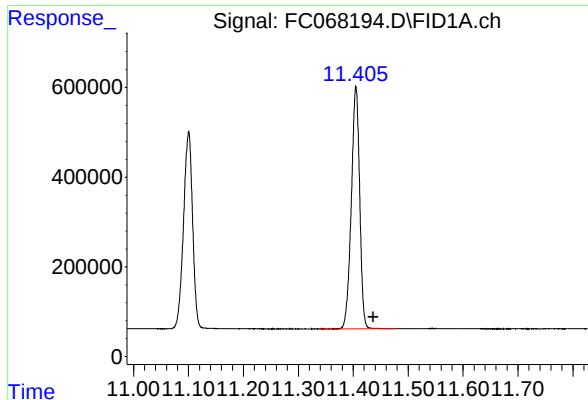
#7 n-Hexadecane (C16)

R.T.: 9.662 min
Delta R.T.: -0.028 min
Response: 5110018
Conc: 36.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.100 min
Delta R.T.: -0.030 min
Response: 5040307
Conc: 36.02 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.405 min
Delta R.T.: -0.032 min
Response: 5699610
Conc: 36.47 ug/ml

Instrument :

FID_C

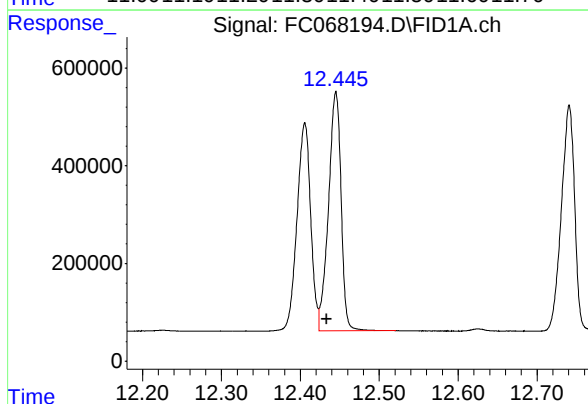
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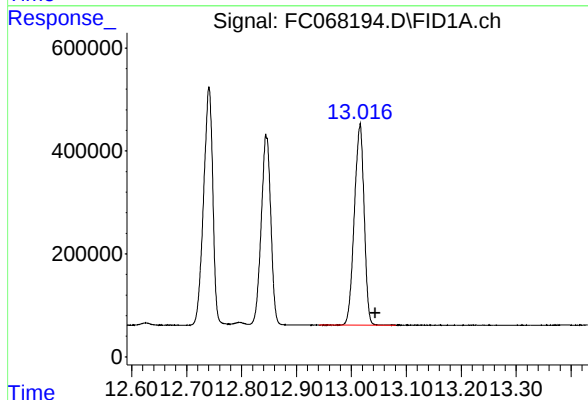
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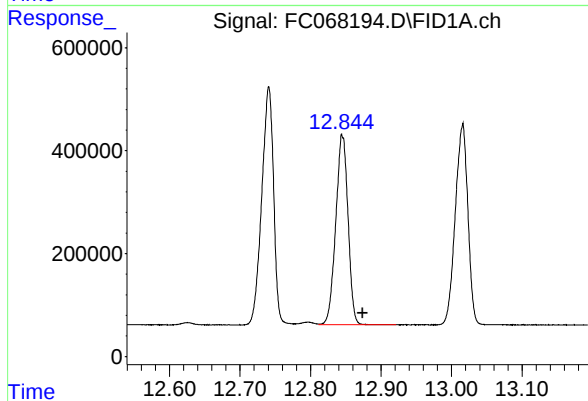
#10 n-Eicosane (C20)

R.T.: 12.445 min
Delta R.T.: 0.011 min
Response: 5432917
Conc: 40.60 ug/ml



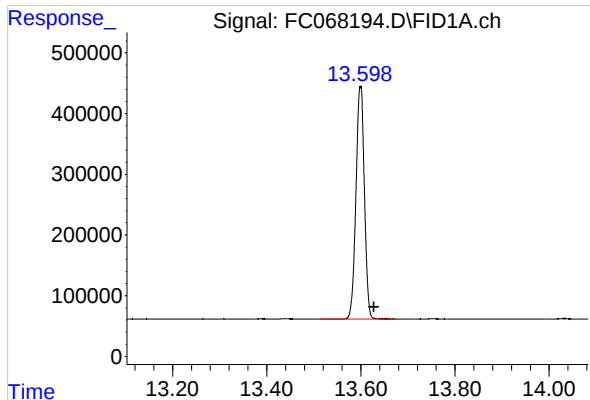
#11 n-Heneicosane (C21)

R.T.: 13.015 min
Delta R.T.: -0.028 min
Response: 4842924
Conc: 36.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.845 min
Delta R.T.: -0.029 min
Response: 4467921
Conc: 38.85 ug/ml



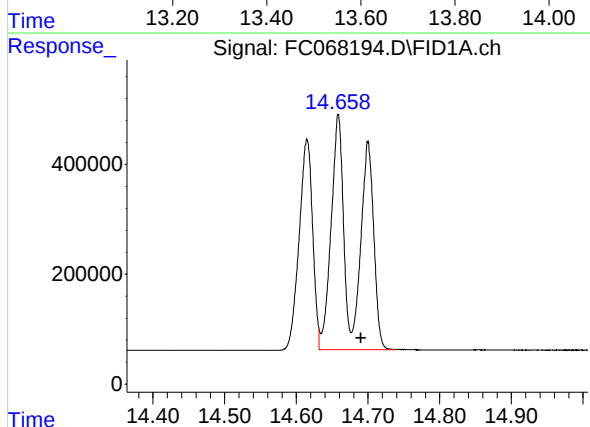
#13 n-Docosane (C22)

R.T.: 13.599 min
Delta R.T.: -0.029 min
Response: 4773113
Conc: 36.85 ug/ml

Instrument :
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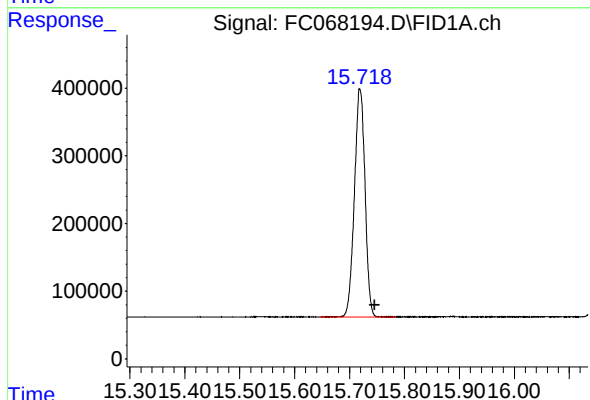
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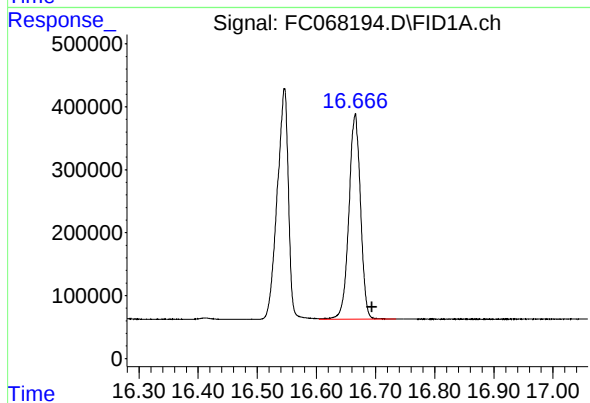
#14 n-Tetracosane (C24)

R.T.: 14.658 min
Delta R.T.: -0.032 min
Response: 9757578
Conc: 76.00 ug/ml m



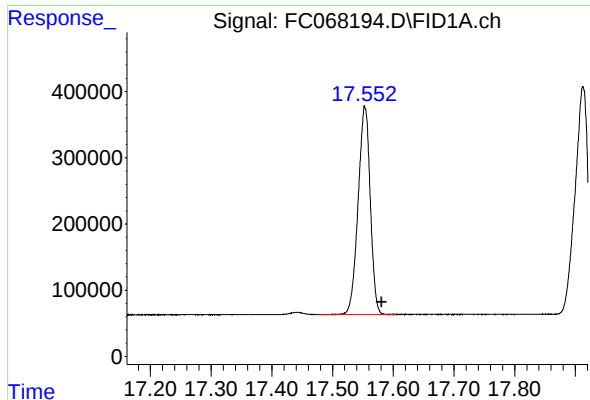
#15 n-Hexacosane (C26)

R.T.: 15.719 min
Delta R.T.: -0.027 min
Response: 4527593
Conc: 35.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.665 min
Delta R.T.: -0.028 min
Response: 4451461
Conc: 35.59 ug/ml



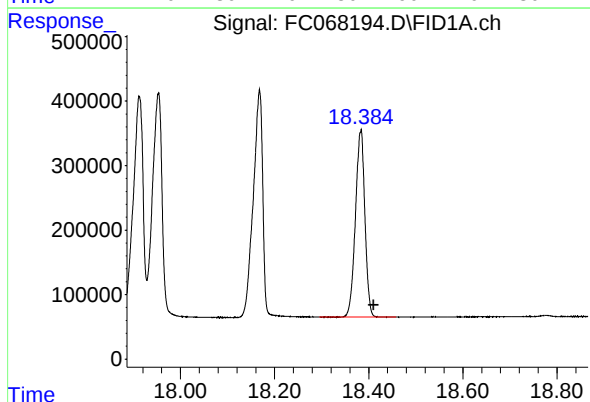
#17 n-Tricontane (C30)

R.T.: 17.553 min
Delta R.T.: -0.027 min
Response: 4370022
Conc: 33.81 ug/ml

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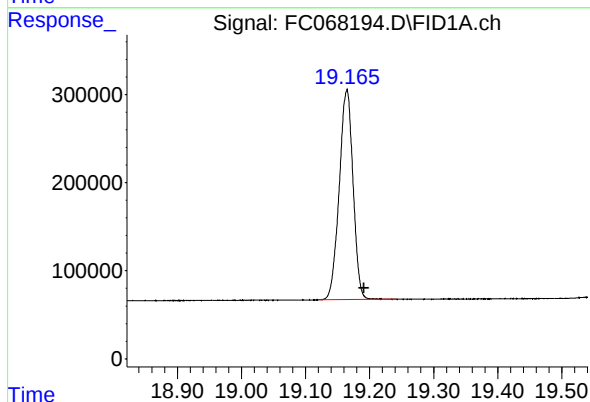
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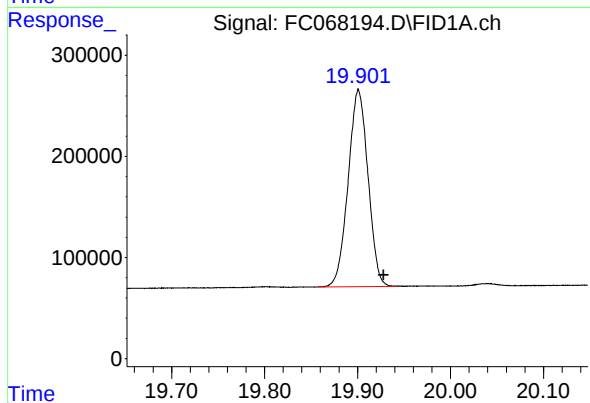
#18 n-Dotriacontane (C32)

R.T.: 18.383 min
Delta R.T.: -0.027 min
Response: 4043558
Conc: 32.35 ug/ml



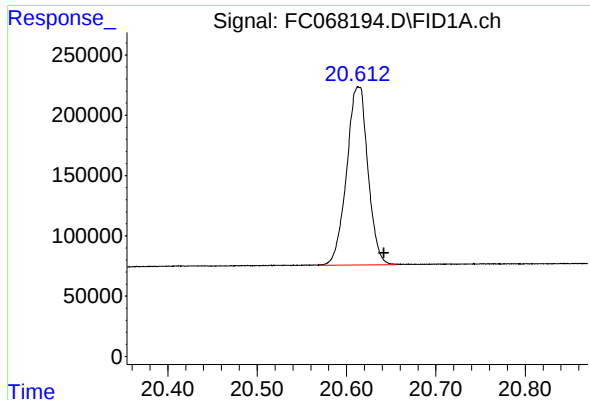
#19 n-Tetratriacontane (C34)

R.T.: 19.164 min
Delta R.T.: -0.027 min
Response: 3556049
Conc: 32.78 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.901 min
Delta R.T.: -0.028 min
Response: 2893667
Conc: 31.27 ug/ml m



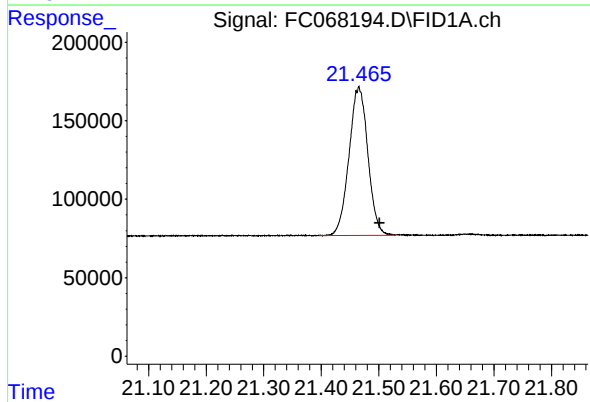
#21 n-Octatriacontane (C38)

R.T.: 20.612 min
Delta R.T.: -0.030 min
Response: 2441874
Conc: 28.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.465 min
Delta R.T.: -0.036 min
Response: 2156192
Conc: 26.67 ug/ml m