

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069142.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 23:02
 Operator : YP/AJ
 Sample : PB168341BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168341BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e

Quant Time: Jun 10 05:25:52 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)	11.680	4791027	38.843 ug/ml
Spiked Amount 50.000		Recovery =	77.69%
12) S 1-chlorooctadecane (S...	13.116	3620229	40.353 ug/ml
Spiked Amount 50.000		Recovery =	80.71%
Target Compounds			
1) T n-Nonane (C9)	3.412	5143611	48.468 ug/ml
2) T n-Decane (C10)	4.484	5459084	51.546 ug/mlm
3) T A~Naphthalene (C11.7)	6.077	6471665	55.966 ug/ml
4) T n-Dodecane (C12)	6.508	5496163	52.284 ug/ml
5) T A~2-methylnaphthalene...	7.136	5899449	52.037 ug/ml
6) T n-Tetradecane (C14)	8.309	5275176	51.463 ug/ml
7) T n-Hexadecane (C16)	9.912	5200958	51.257 ug/ml
8) T n-Octadecane (C18)	11.359	5023917	50.267 ug/ml
10) T n-Eicosane (C20)	12.671	5136712	52.739 ug/ml
11) T n-Heneicosane (C21)	13.284	4923298	51.150 ug/ml
13) T n-Docosane (C22)	13.871	4882973	51.255 ug/ml
14) T n-Tetracosane (C24)	14.968	10651374	113.128 ug/ml
15) T n-Hexacosane (C26)	16.002	4879443	52.557 ug/ml
16) T n-Octacosane (C28)	16.952	4941774	53.165 ug/ml
17) T n-Tricontane (C30)	17.843	4999524	51.671 ug/ml
18) T n-Dotriacontane (C32)	18.677	5071413	51.176 ug/ml
19) T n-Tetratriacontane (C34)	19.463	5285344	54.839 ug/ml
20) T n-Hexatriacontane (C36)	20.204	5223551	55.025 ug/ml
21) T n-Octatriacontane (C38)	20.975	5148515	56.431 ug/ml
22) T n-Tetracontane (C40)	21.947	4459082	50.537 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 17 Sample Multiplier: 1

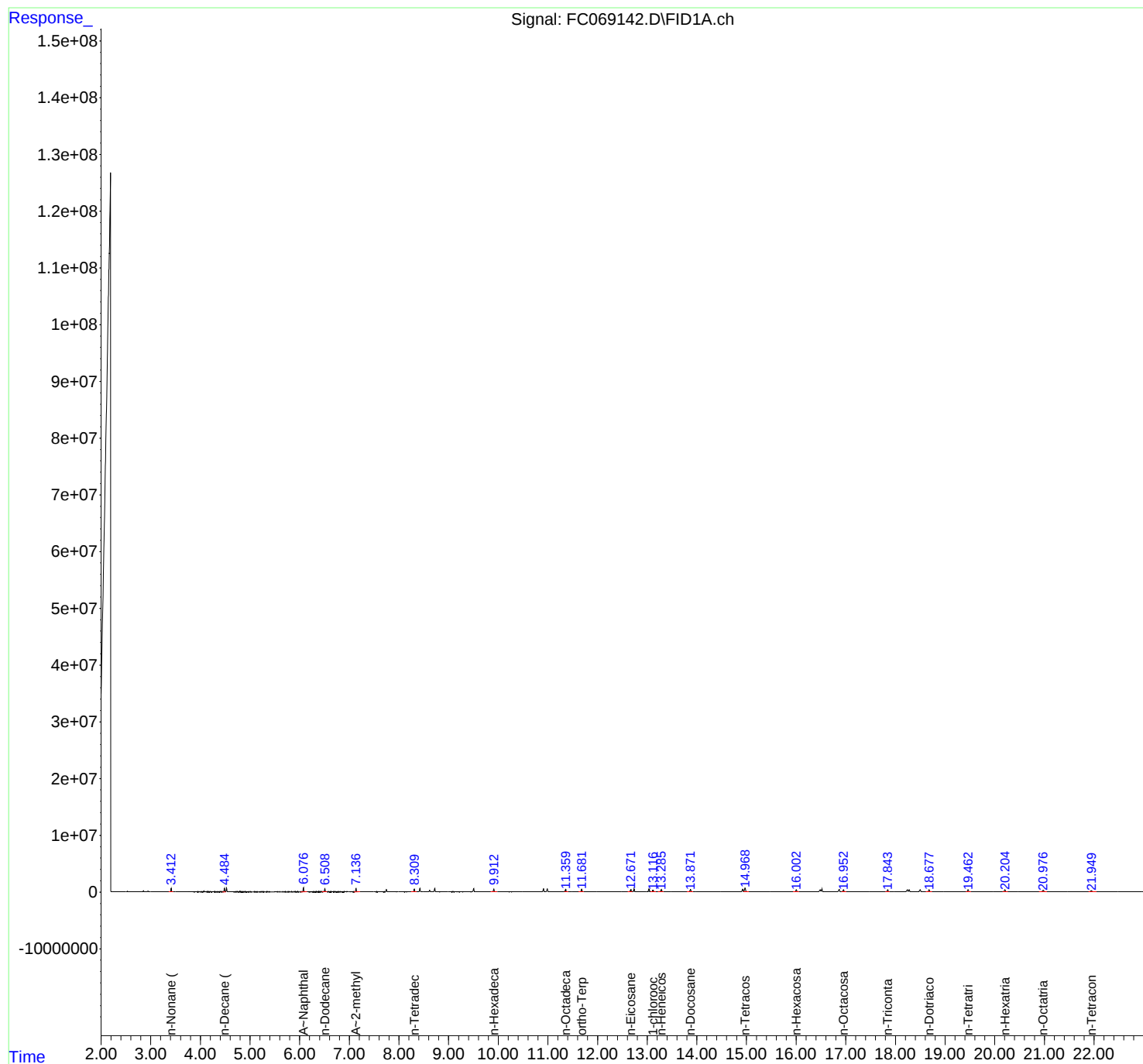
Instrument :
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PB168341BS

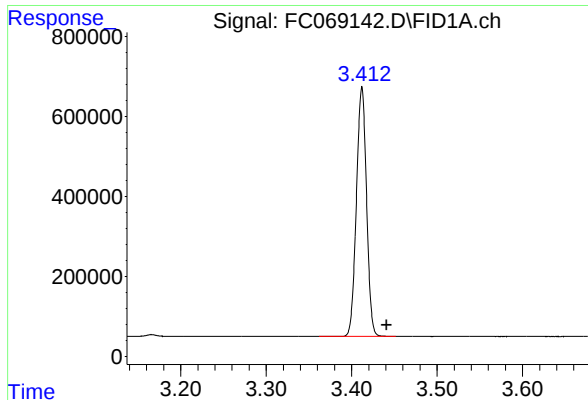
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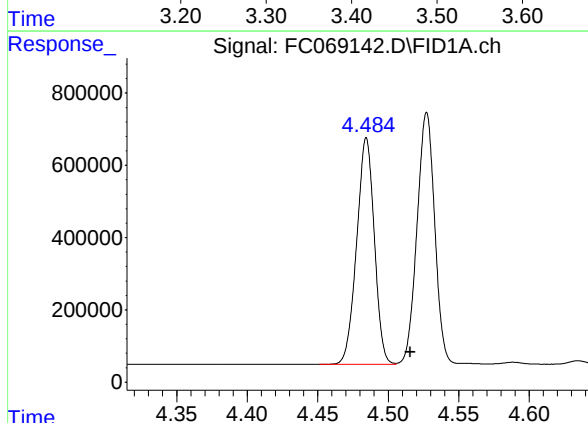
#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.029 min
Response: 5143611
Conc: 48.47 ug/ml

Instrument :
FID_C
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PB168341BS

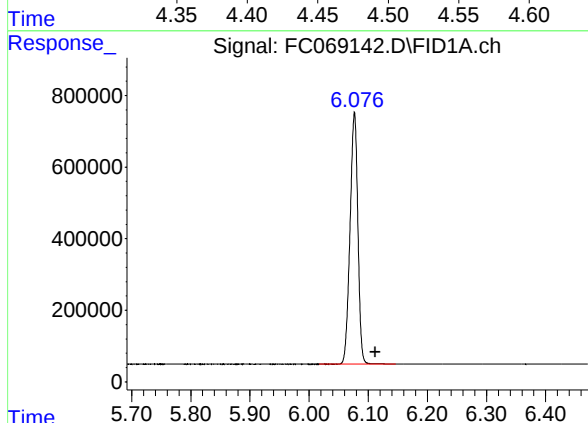
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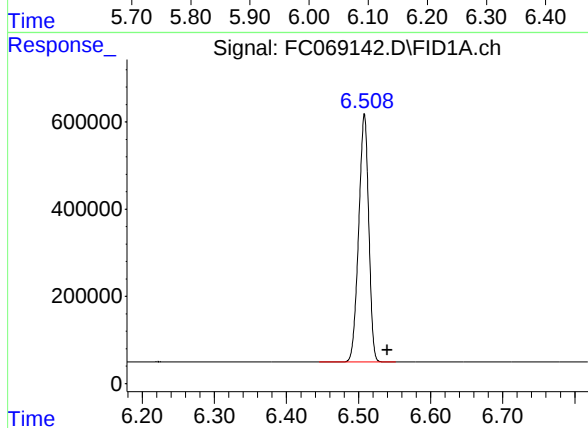
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.031 min
Response: 5459084
Conc: 51.55 ug/ml



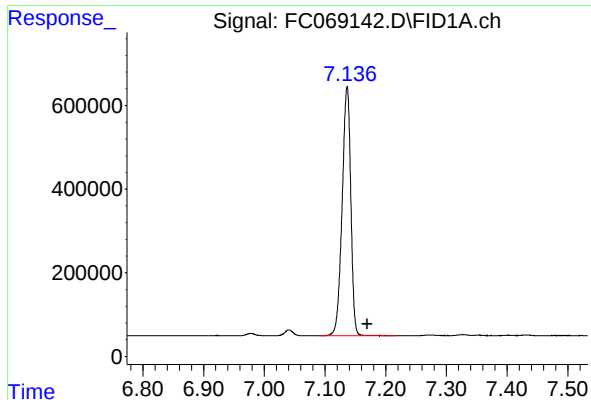
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: -0.035 min
Response: 6471665
Conc: 55.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.508 min
Delta R.T.: -0.032 min
Response: 5496163
Conc: 52.28 ug/ml



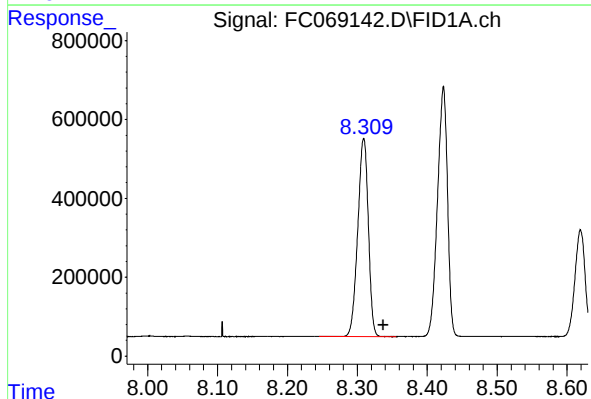
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.136 min
Delta R.T.: -0.034 min
Response: 5899449
Conc: 52.04 ug/ml

Instrument :
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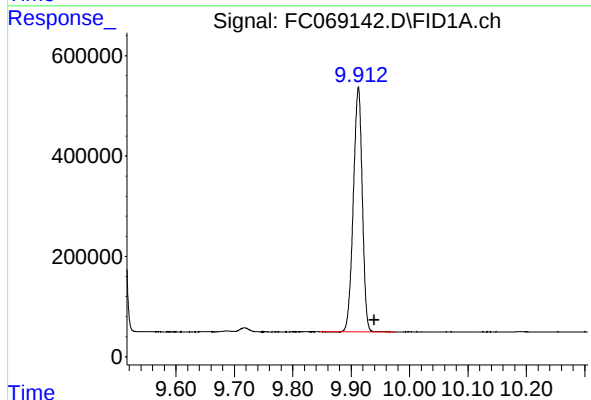
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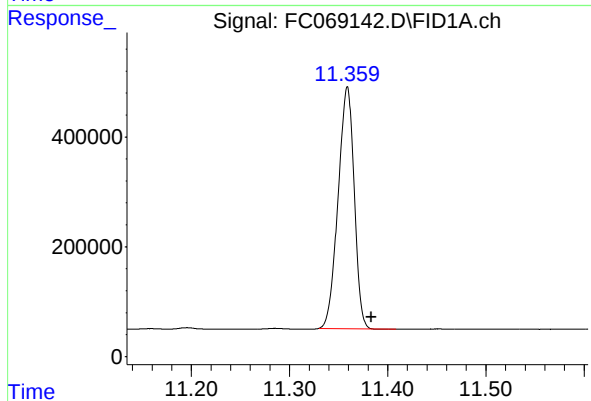
#6 n-Tetradecane (C14)

R.T.: 8.309 min
Delta R.T.: -0.028 min
Response: 5275176
Conc: 51.46 ug/ml



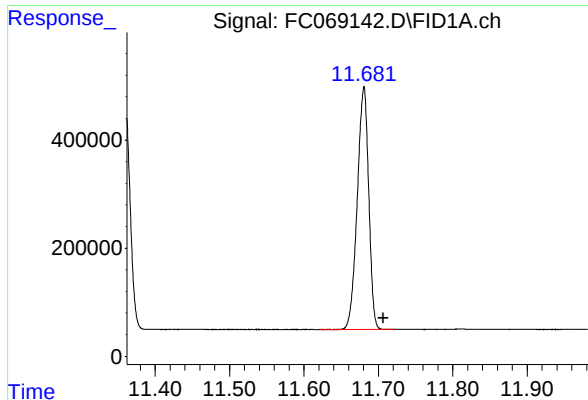
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: -0.028 min
Response: 5200958
Conc: 51.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.359 min
Delta R.T.: -0.024 min
Response: 5023917
Conc: 50.27 ug/ml



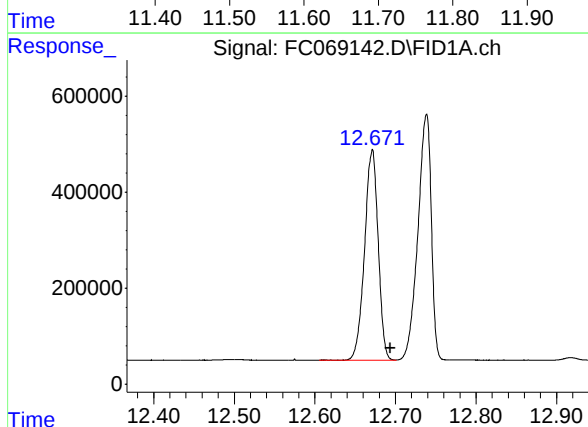
#9 ortho-Terphenyl (SURR)

R.T.: 11.680 min
Delta R.T.: -0.027 min
Response: 4791027
Conc: 38.84 ug/ml

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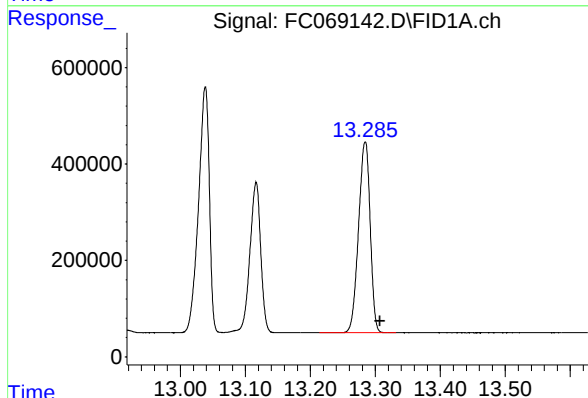
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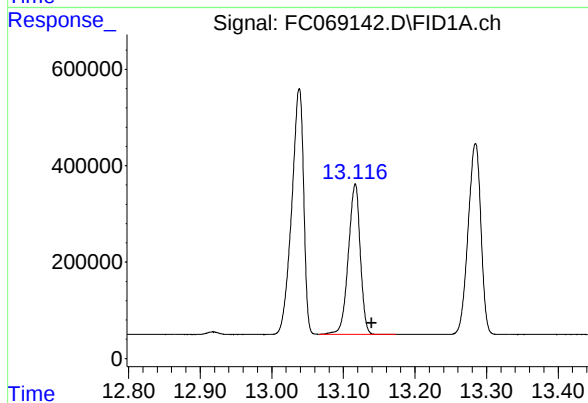
#10 n-Eicosane (C20)

R.T.: 12.671 min
Delta R.T.: -0.023 min
Response: 5136712
Conc: 52.74 ug/ml



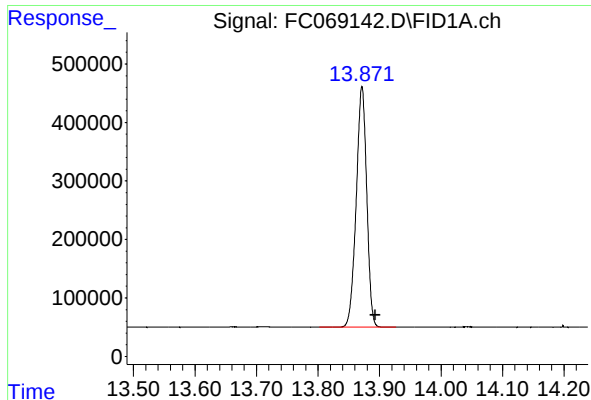
#11 n-Heneicosane (C21)

R.T.: 13.284 min
Delta R.T.: -0.023 min
Response: 4923298
Conc: 51.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: -0.023 min
Response: 3620229
Conc: 40.35 ug/ml



#13 n-Docosane (C22)

R.T.: 13.871 min
Delta R.T.: -0.022 min
Response: 4882973
Conc: 51.25 ug/ml

Instrument :

FID_C

ClientSampleId :

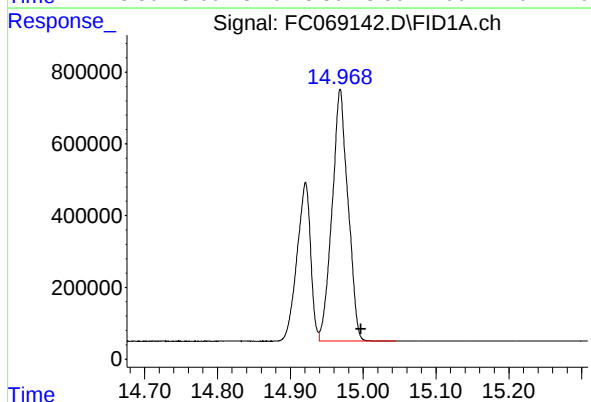
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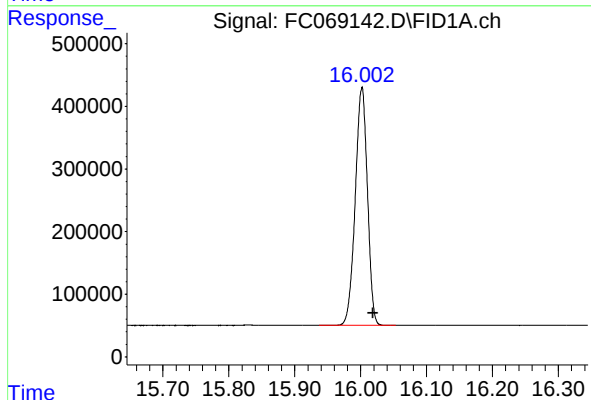
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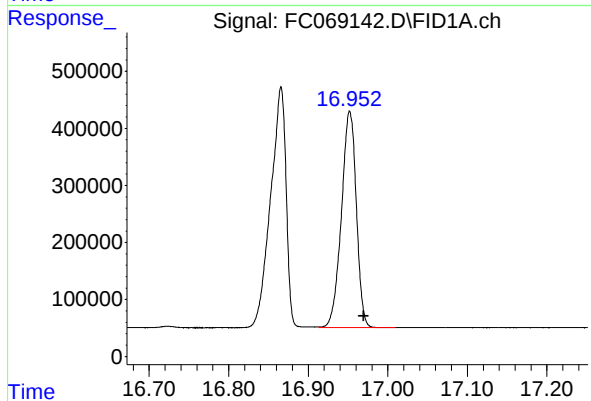
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.029 min
Response: 10651374
Conc: 113.13 ug/ml



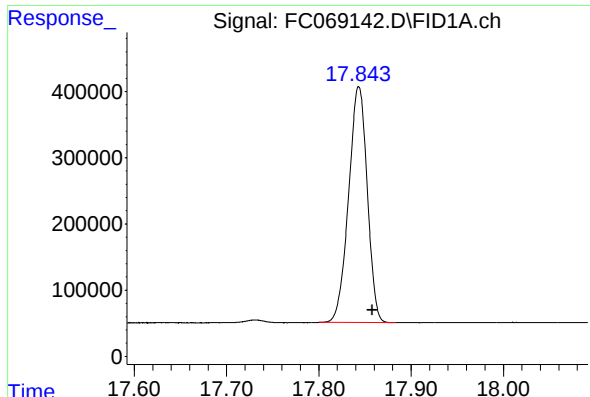
#15 n-Hexacosane (C26)

R.T.: 16.002 min
Delta R.T.: -0.017 min
Response: 4879443
Conc: 52.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.952 min
Delta R.T.: -0.018 min
Response: 4941774
Conc: 53.16 ug/ml



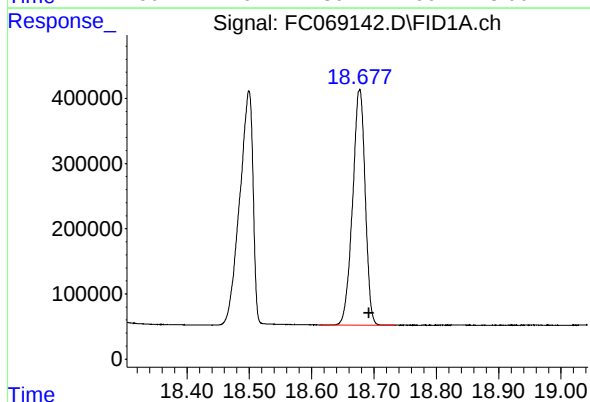
#17 n-Tricontane (C30)

R.T.: 17.843 min
Delta R.T.: -0.014 min
Response: 4999524
Conc: 51.67 ug/ml

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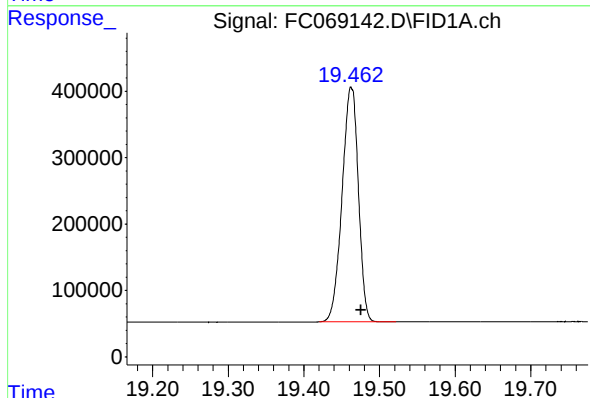
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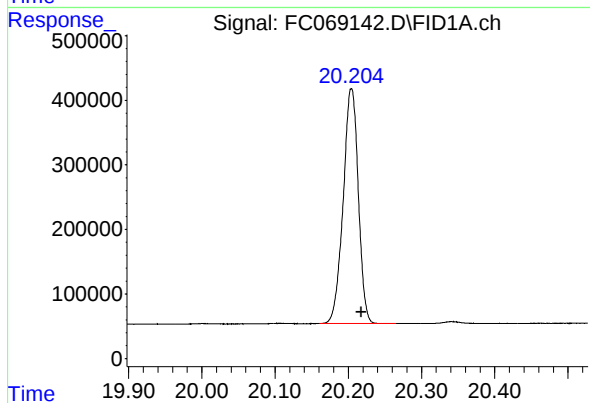
#18 n-Dotriacontane (C32)

R.T.: 18.677 min
Delta R.T.: -0.015 min
Response: 5071413
Conc: 51.18 ug/ml



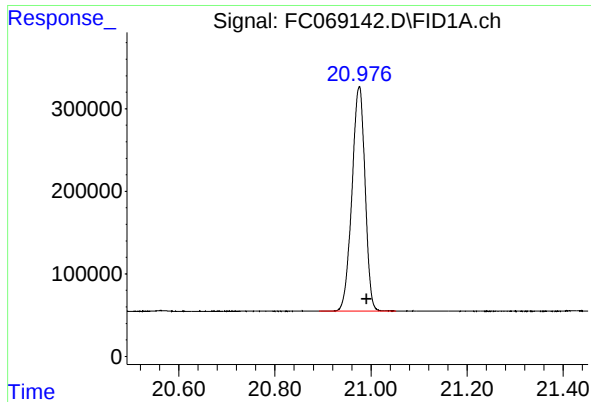
#19 n-Tetatriacontane (C34)

R.T.: 19.463 min
Delta R.T.: -0.013 min
Response: 5285344
Conc: 54.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.204 min
Delta R.T.: -0.014 min
Response: 5223551
Conc: 55.03 ug/ml



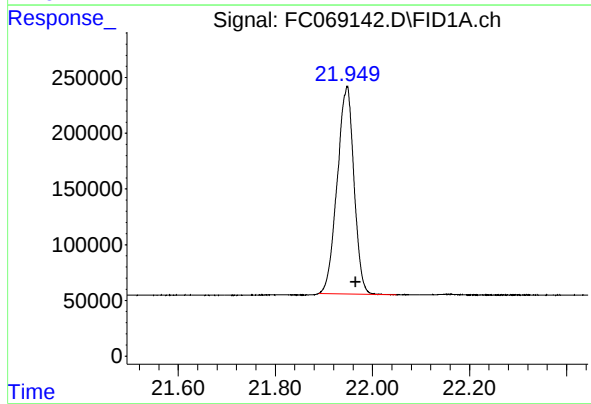
#21 n-Octatriacontane (C38)

R.T.: 20.975 min
Delta R.T.: -0.016 min
Response: 5148515
Conc: 56.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.947 min
Delta R.T.: -0.018 min
Response: 4459082
Conc: 50.54 ug/ml