

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
 Data File : FC068112.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jan 2025 14:12
 Operator : YP/AJ
 Sample : PB166217BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB166217BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 01/27/2025

Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e

Quant Time: Jan 25 04:33:06 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)	11.429	5786690	37.031 ug/ml
Spiked Amount 50.000		Recovery =	74.06%
12) S 1-chlorooctadecane (S...	12.869	4539684	39.475 ug/ml
Spiked Amount 50.000		Recovery =	78.95%
Target Compounds			
1) T n-Nonane (C9)	3.245	5860646	42.799 ug/ml
2) T n-Decane (C10)	4.298	6131522	44.165 ug/ml
3) T A~Naphthalene (C11.7)	5.863	7048009	46.947 ug/ml
4) T n-Dodecane (C12)	6.302	6180420	44.241 ug/ml
5) T A~2-methylnaphthalene...	6.914	6479324	45.110 ug/ml
6) T n-Tetradecane (C14)	8.092	6215991	45.546 ug/ml
7) T n-Hexadecane (C16)	9.685	6090173	43.831 ug/ml
8) T n-Octadecane (C18)	11.123	6011845	42.968 ug/ml
10) T n-Eicosane (C20)	12.429	6108719	45.655 ug/ml
11) T n-Heneicosane (C21)	13.038	5792848	44.106 ug/ml
13) T n-Docosane (C22)	13.624	5713684	44.109 ug/ml
14) T n-Tetracosane (C24)	14.686	11856801	92.353 ug/mlm
15) T n-Hexacosane (C26)	15.743	5430571	43.156 ug/ml
16) T n-Octacosane (C28)	16.688	5295905	42.343 ug/ml
17) T n-Tricontane (C30)	17.576	5297653	40.986 ug/ml
18) T n-Dotriacontane (C32)	18.404	5176278	41.406 ug/ml
19) T n-Tetratriacontane (C34)	19.186	5092565	46.947 ug/ml
20) T n-Hexatriacontane (C36)	19.924	4824236	52.130 ug/ml
21) T n-Octatriacontane (C38)	20.638	4691239	54.748 ug/ml
22) T n-Tetracontane (C40)	21.499	4581310	56.658 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : PB166217BS
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ALS Vial : 22 Sample Multiplier: 1

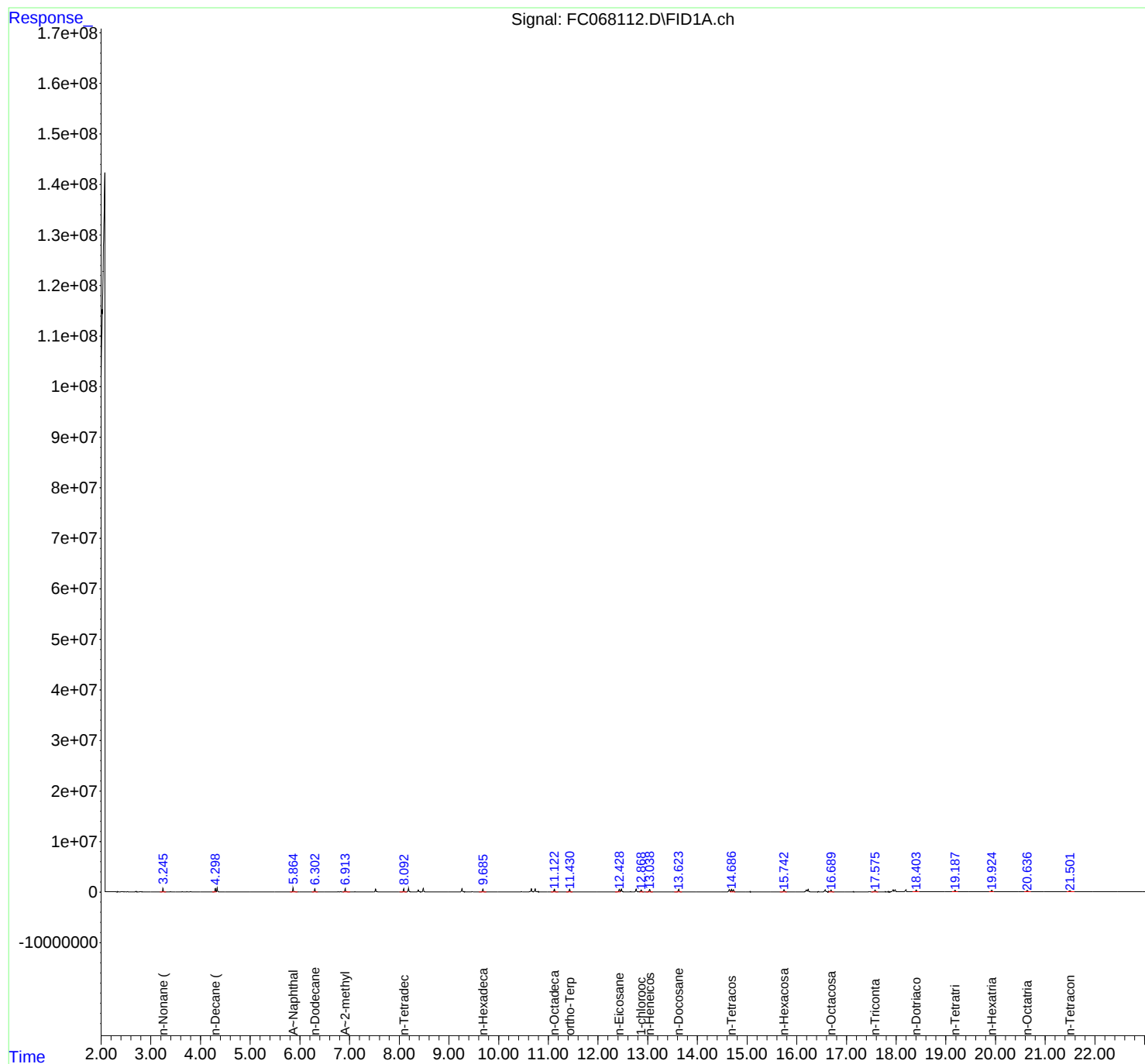
Instrument :
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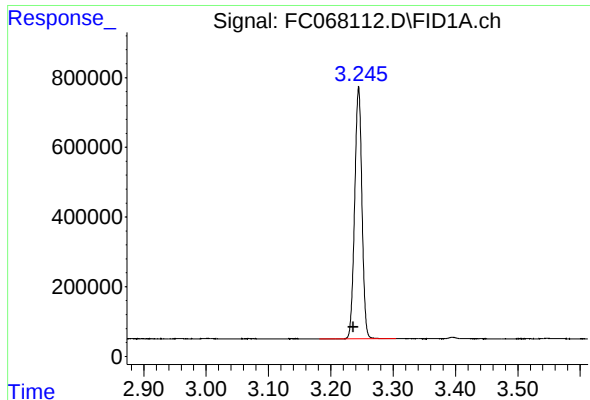
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
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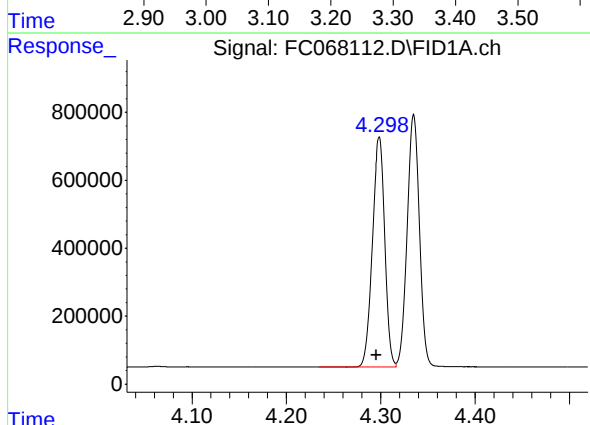
#1 n-Nonane (C9)

R.T.: 3.245 min
Delta R.T.: 0.009 min
Response: 5860646
Conc: 42.80 ug/ml

Instrument :
FID_C
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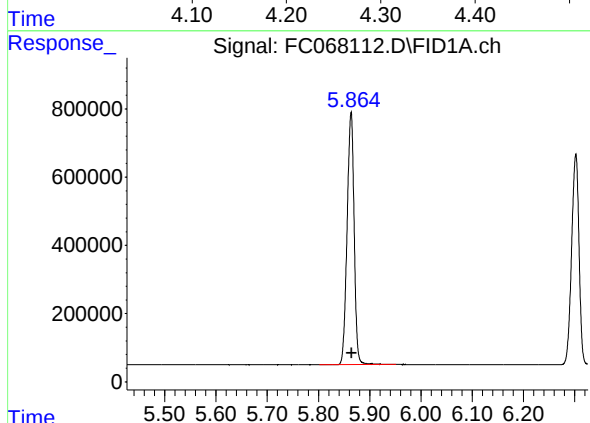
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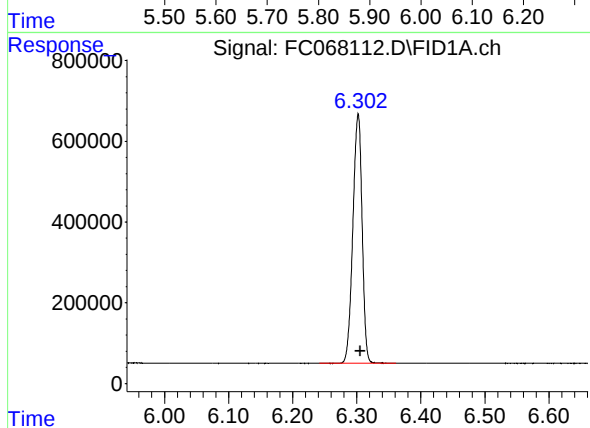
#2 n-Decane (C10)

R.T.: 4.298 min
Delta R.T.: 0.003 min
Response: 6131522
Conc: 44.16 ug/ml



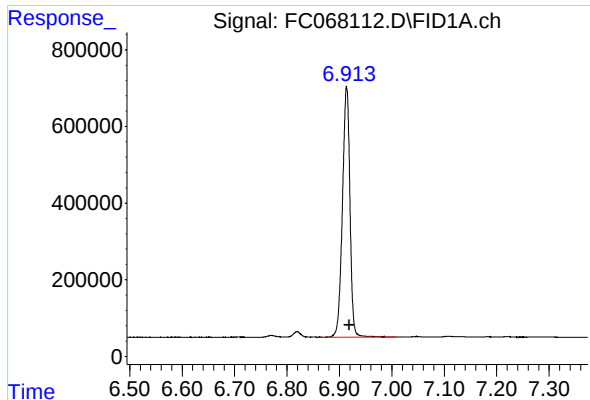
#3 A~Naphthalene (C11.7)

R.T.: 5.863 min
Delta R.T.: -0.002 min
Response: 7048009
Conc: 46.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.302 min
Delta R.T.: -0.004 min
Response: 6180420
Conc: 44.24 ug/ml



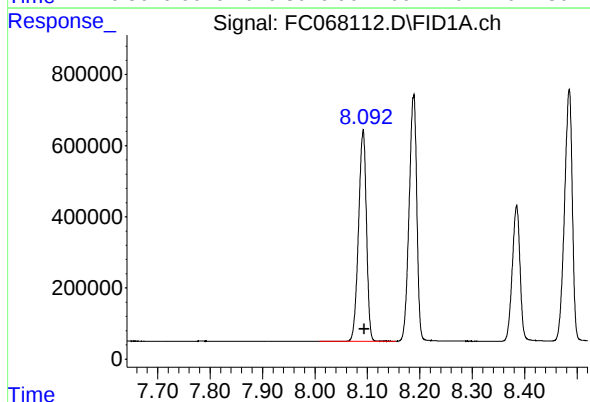
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.914 min
Delta R.T.: -0.006 min
Response: 6479324
Conc: 45.11 ug/ml

Instrument :
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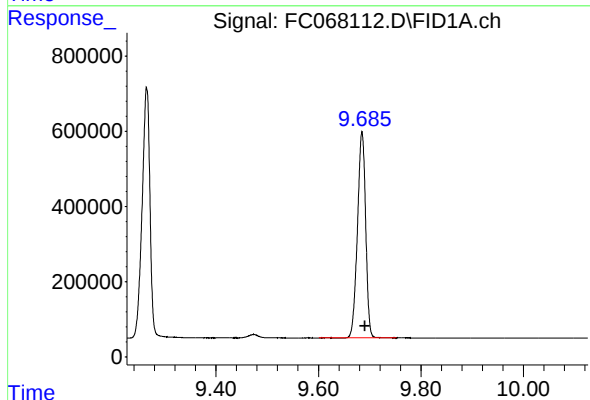
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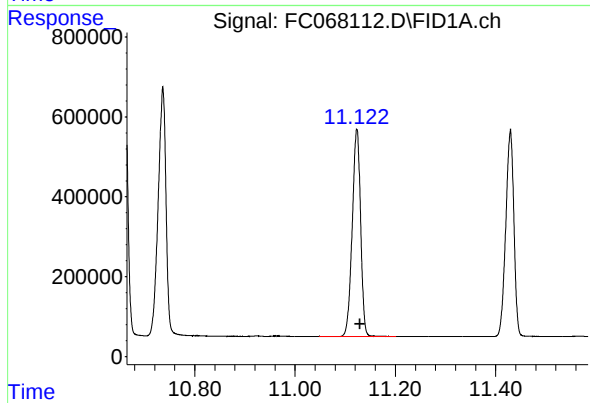
#6 n-Tetradecane (C14)

R.T.: 8.092 min
Delta R.T.: -0.002 min
Response: 6215991
Conc: 45.55 ug/ml



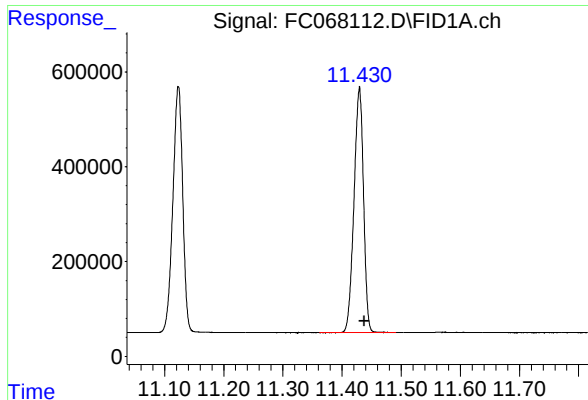
#7 n-Hexadecane (C16)

R.T.: 9.685 min
Delta R.T.: -0.005 min
Response: 6090173
Conc: 43.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.123 min
Delta R.T.: -0.006 min
Response: 6011845
Conc: 42.97 ug/ml



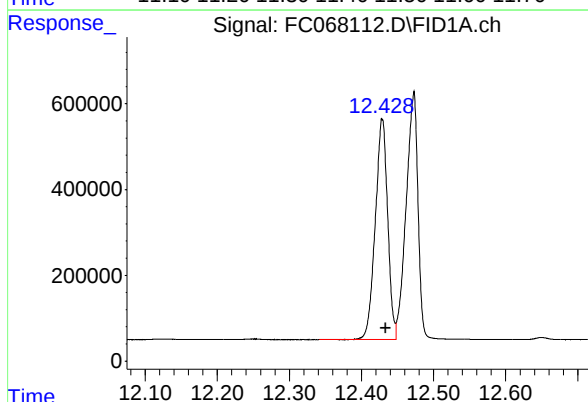
#9 ortho-Terphenyl (SURR)

R.T.: 11.429 min
Delta R.T.: -0.008 min
Response: 5786690
Conc: 37.03 ug/ml

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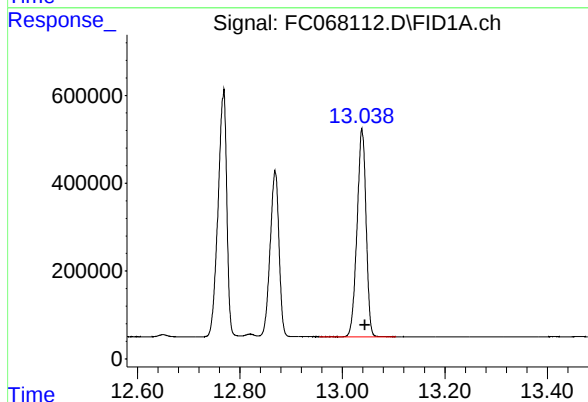
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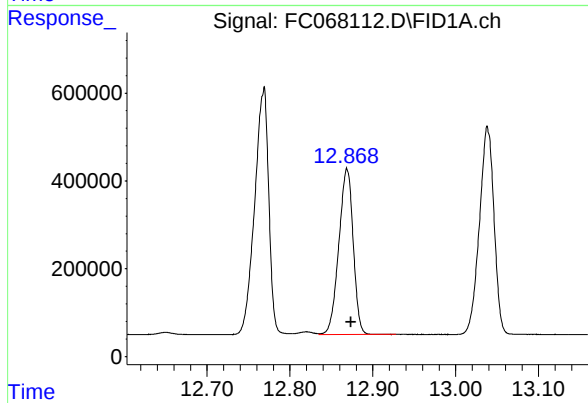
#10 n-Eicosane (C20)

R.T.: 12.429 min
Delta R.T.: -0.005 min
Response: 6108719
Conc: 45.65 ug/ml



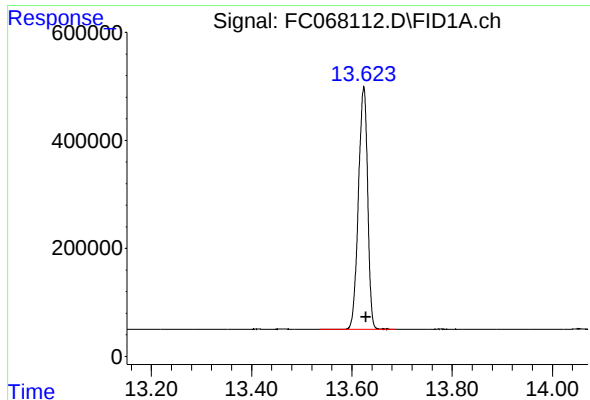
#11 n-Heneicosane (C21)

R.T.: 13.038 min
Delta R.T.: -0.005 min
Response: 5792848
Conc: 44.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.869 min
Delta R.T.: -0.005 min
Response: 4539684
Conc: 39.47 ug/ml



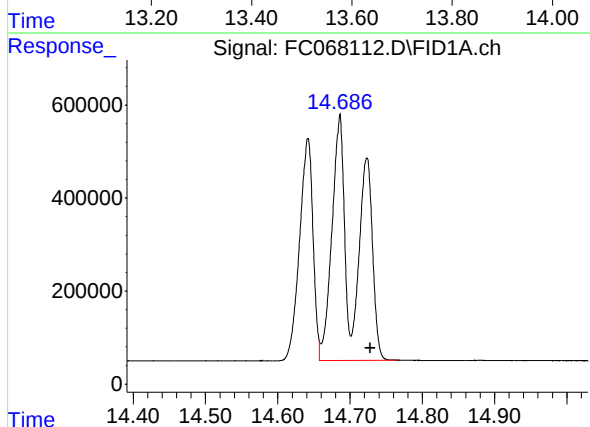
#13 n-Docosane (C22)

R.T.: 13.624 min
Delta R.T.: -0.005 min
Response: 5713684
Conc: 44.11 ug/ml

Instrument :
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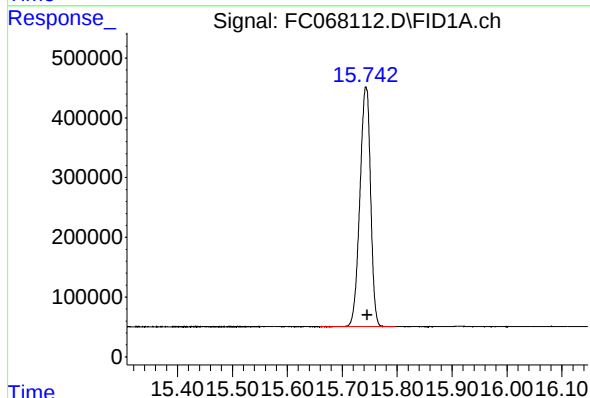
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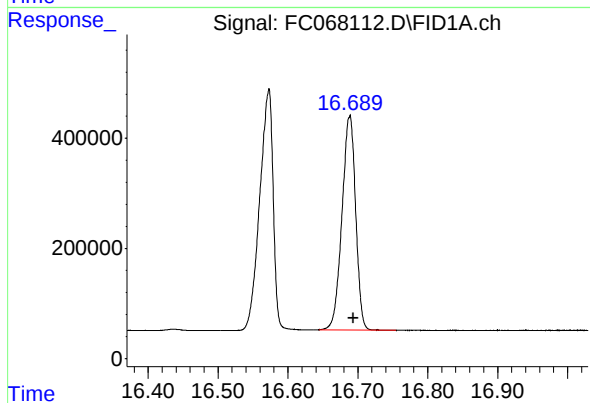
#14 n-Tetracosane (C24)

R.T.: 14.686 min
Delta R.T.: -0.042 min
Response: 11856801
Conc: 92.35 ug/ml



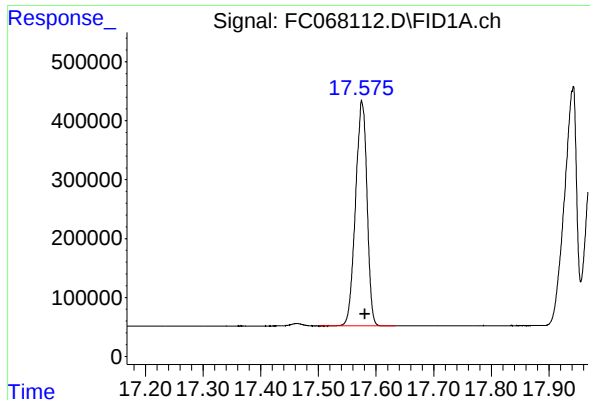
#15 n-Hexacosane (C26)

R.T.: 15.743 min
Delta R.T.: -0.003 min
Response: 5430571
Conc: 43.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.688 min
Delta R.T.: -0.006 min
Response: 5295905
Conc: 42.34 ug/ml



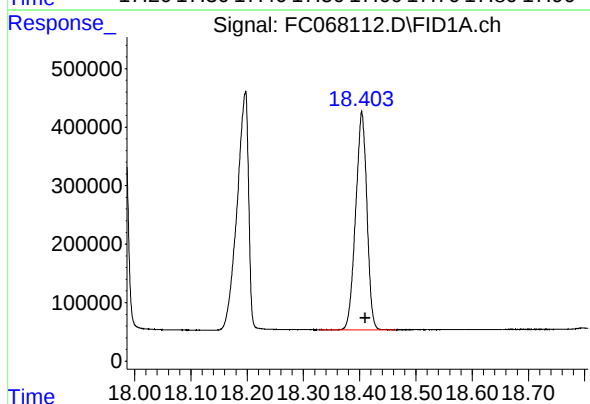
#17 n-Tricontane (C30)

R.T.: 17.576 min
Delta R.T.: -0.005 min
Response: 5297653
Conc: 40.99 ug/ml

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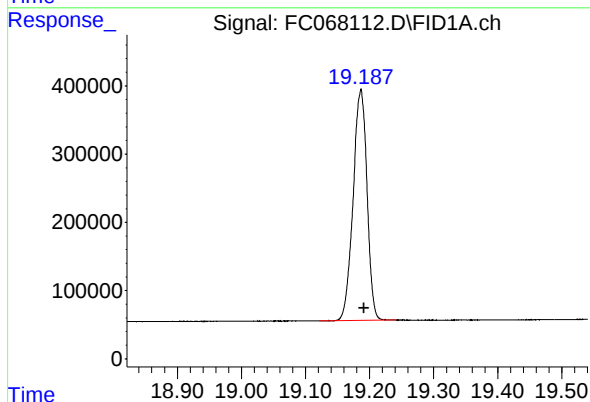
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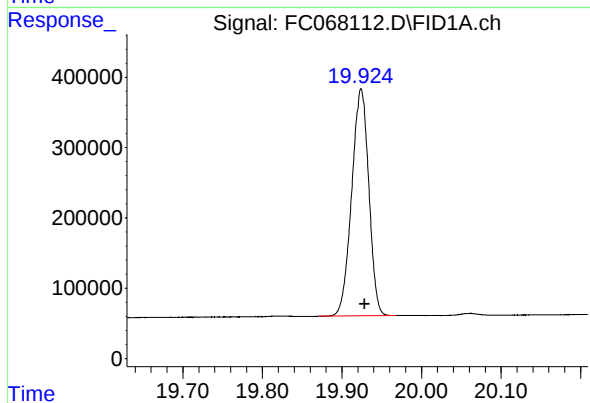
#18 n-Dotriacontane (C32)

R.T.: 18.404 min
Delta R.T.: -0.006 min
Response: 5176278
Conc: 41.41 ug/ml



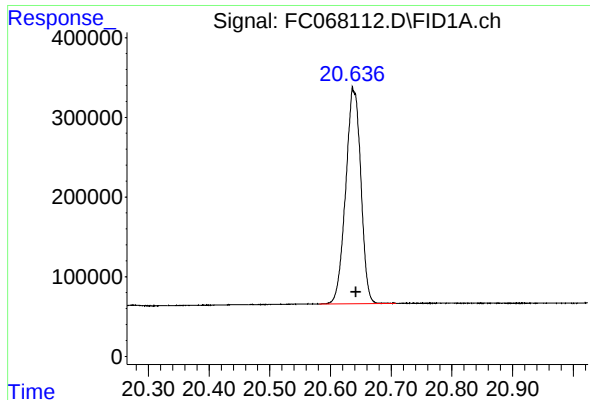
#19 n-Tetratriacontane (C34)

R.T.: 19.186 min
Delta R.T.: -0.005 min
Response: 5092565
Conc: 46.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.924 min
Delta R.T.: -0.004 min
Response: 4824236
Conc: 52.13 ug/ml



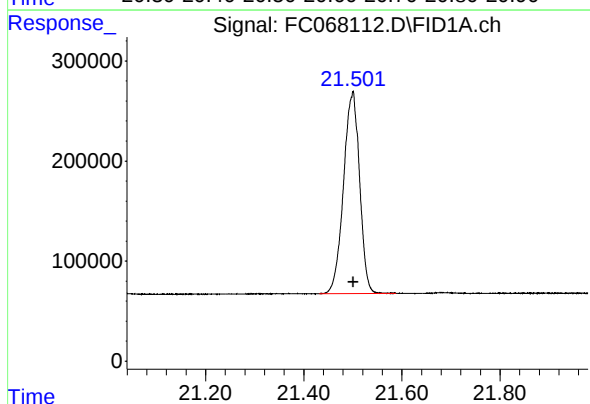
#21 n-Octatriacontane (C38)

R.T.: 20.638 min
Delta R.T.: -0.004 min
Response: 4691239
Conc: 54.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.499 min
Delta R.T.: -0.002 min
Response: 4581310
Conc: 56.66 ug/ml