

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121724AL\
 Data File : FC068033.D
 Signal(s) : FID1A.ch
 Acq On : 18 Dec 2024 03:47
 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 12/18/2024
 Supervised By :Ankita Jodhani 12/18/2024

Integration File: autoint1.e
 Quant Time: Dec 18 04:54:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.440	3250379	18.798 ug/ml
Spiked Amount 50.000		Recovery =	37.60%
12) S 1-chlorooctadecane (S...	12.881	2419183	18.960 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T n-Nonane (C9)	3.228	2897215	18.648 ug/ml
2) T n-Decane (C10)	4.289	2975156	18.768 ug/ml
3) T A~Naphthalene (C11.7)	5.862	3294203	18.869 ug/ml
4) T n-Dodecane (C12)	6.302	3021605	18.766 ug/ml
5) T A~2-methylnaphthalene...	6.917	3177103	18.962 ug/ml
6) T n-Tetradecane (C14)	8.094	2984312	18.770 ug/ml
7) T n-Hexadecane (C16)	9.692	3040298	18.819 ug/ml
8) T n-Octadecane (C18)	11.132	3007698	18.735 ug/ml
10) T n-Eicosane (C20)	12.439	2829631	18.810 ug/ml
11) T n-Heneicosane (C21)	13.050	2751206	18.829 ug/ml
13) T n-Docosane (C22)	13.636	2718636	18.992 ug/ml
14) T n-Tetracosane (C24)	14.736	2675503	19.255 ug/ml
15) T n-Hexacosane (C26)	15.756	2609458	19.513 ug/ml
16) T n-Octacosane (C28)	16.705	2651118	20.439 ug/ml
17) T n-Tricontane (C30)	17.591	2855777	22.045 ug/ml
18) T n-Dotriacontane (C32)	18.423	2840372	22.927 ug/mlm
19) T n-Tetratriacontane (C34)	19.205	2450178	22.448 ug/ml
20) T n-Hexatriacontane (C36)	19.945	2078756	21.972 ug/mlm
21) T n-Octatriacontane (C38)	20.659	1901224	21.017 ug/mlm
22) T n-Tetracontane (C40)	21.529	1799553	20.417 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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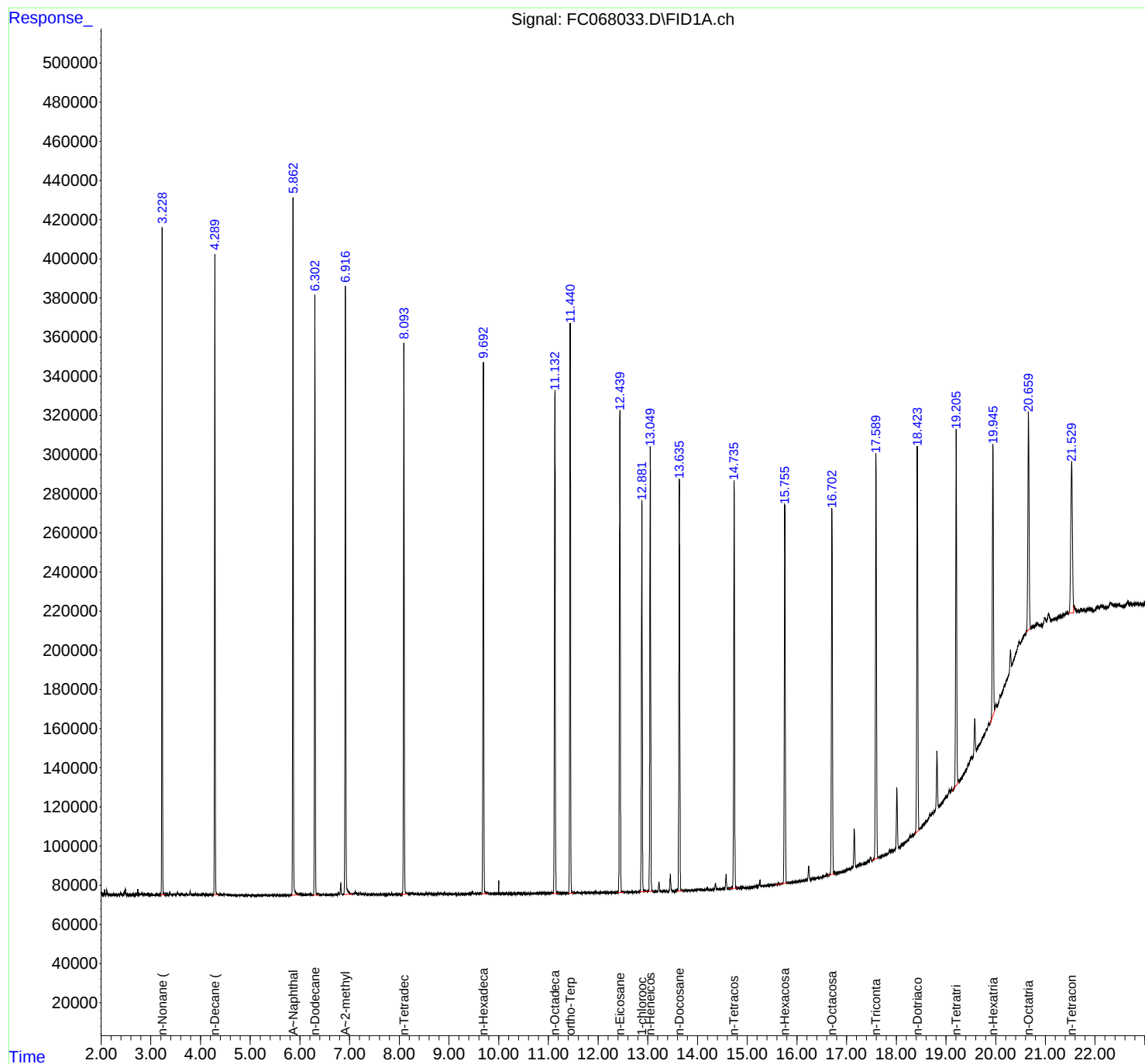
Instrument :
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20 PPM ALIPHATIC HC STD

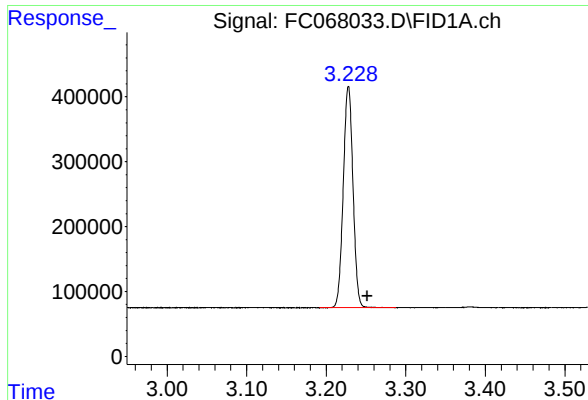
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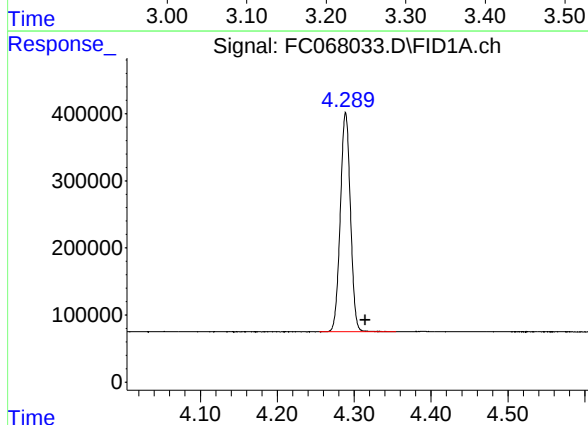
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.024 min
Response: 2897215
Conc: 18.65 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

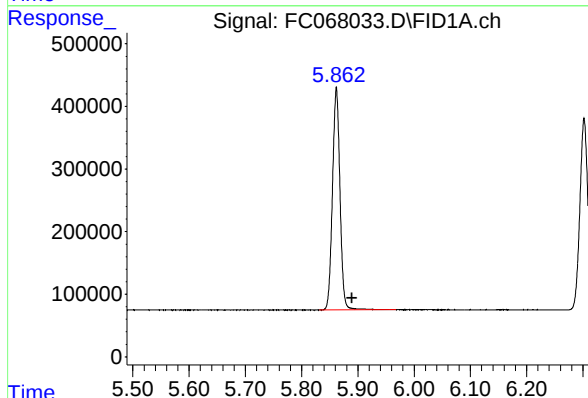
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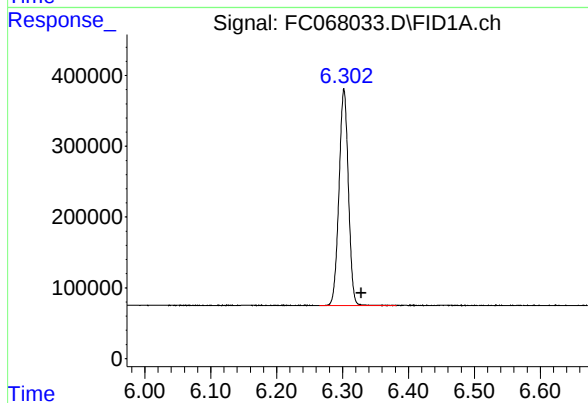
#2 n-Decane (C10)

R.T.: 4.289 min
Delta R.T.: -0.025 min
Response: 2975156
Conc: 18.77 ug/ml



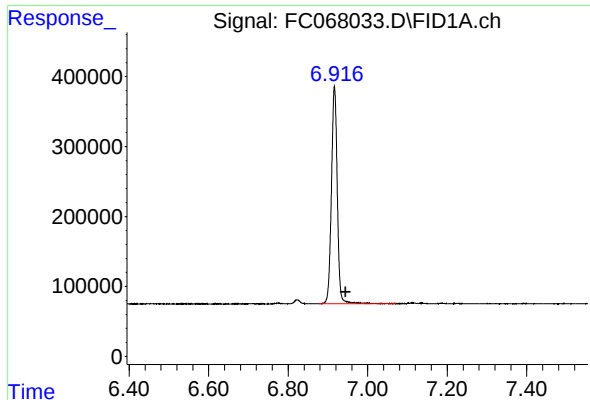
#3 A~Naphthalene (C11.7)

R.T.: 5.862 min
Delta R.T.: -0.028 min
Response: 3294203
Conc: 18.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.302 min
Delta R.T.: -0.026 min
Response: 3021605
Conc: 18.77 ug/ml



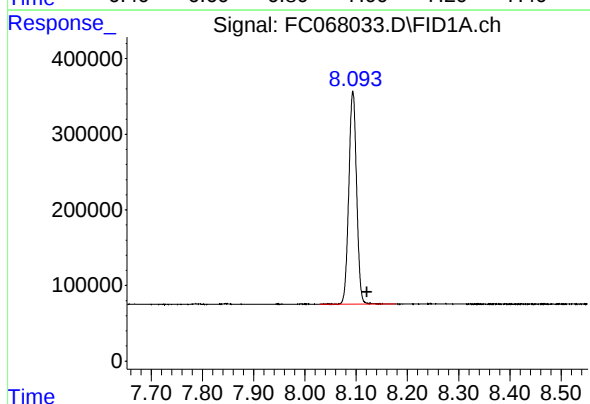
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.917 min
Delta R.T.: -0.028 min
Response: 3177103
Conc: 18.96 ug/ml

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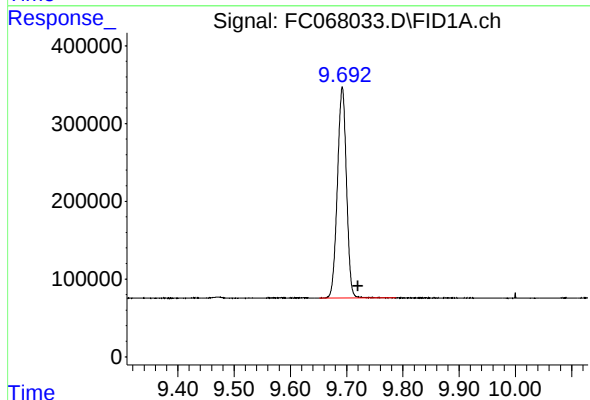
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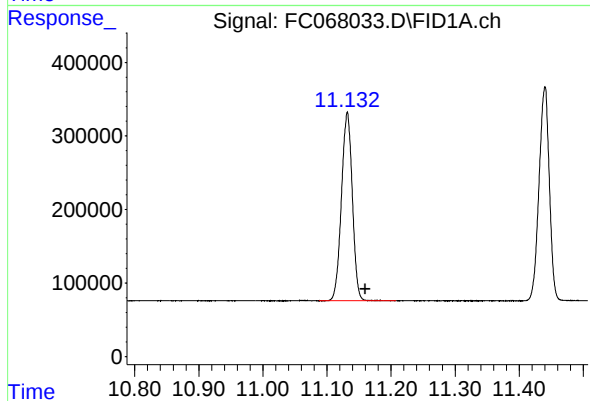
#6 n-Tetradecane (C14)

R.T.: 8.094 min
Delta R.T.: -0.028 min
Response: 2984312
Conc: 18.77 ug/ml



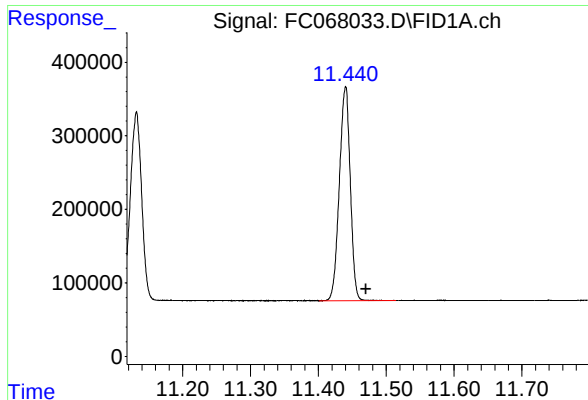
#7 n-Hexadecane (C16)

R.T.: 9.692 min
Delta R.T.: -0.028 min
Response: 3040298
Conc: 18.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.132 min
Delta R.T.: -0.029 min
Response: 3007698
Conc: 18.73 ug/ml



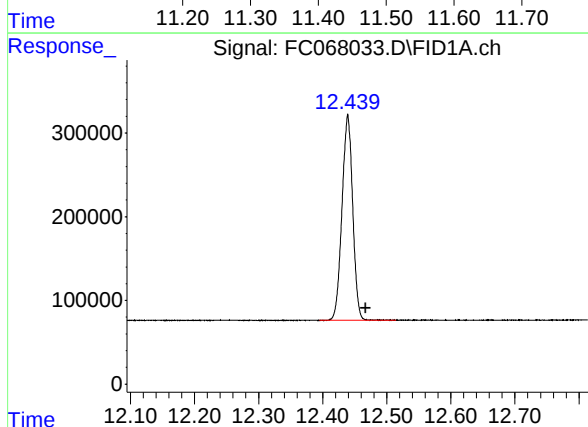
#9 ortho-Terphenyl (SURR)

R.T.: 11.440 min
Delta R.T.: -0.030 min
Response: 3250379
Conc: 18.80 ug/ml

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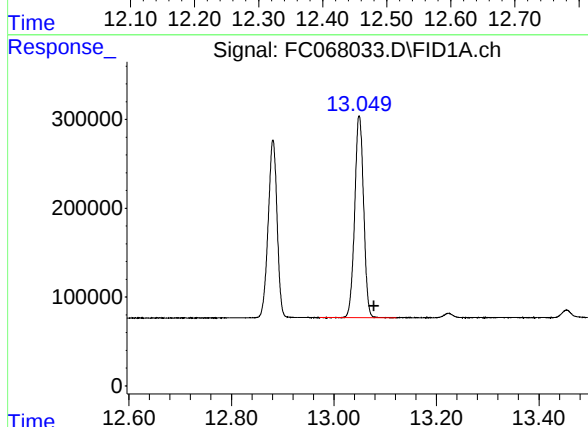
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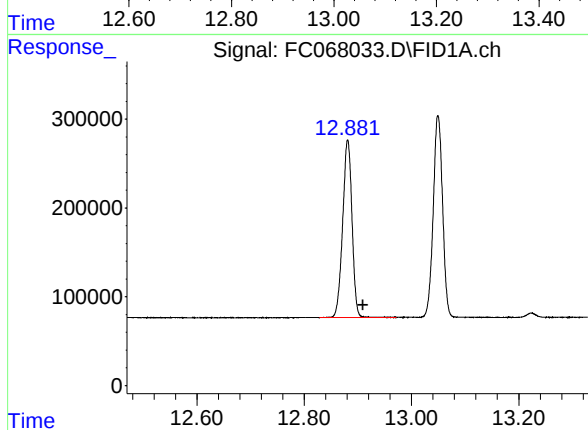
#10 n-Eicosane (C20)

R.T.: 12.439 min
Delta R.T.: -0.028 min
Response: 2829631
Conc: 18.81 ug/ml



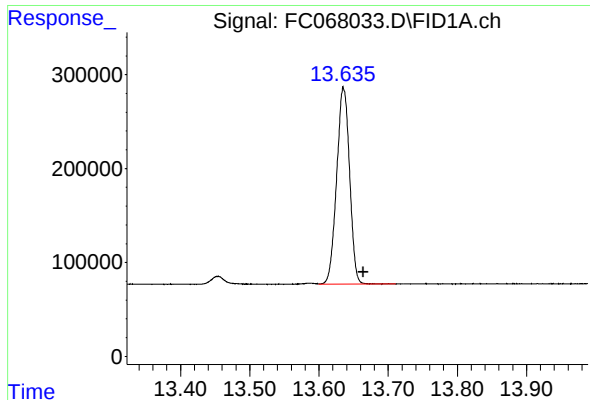
#11 n-Heneicosane (C21)

R.T.: 13.050 min
Delta R.T.: -0.029 min
Response: 2751206
Conc: 18.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.881 min
Delta R.T.: -0.028 min
Response: 2419183
Conc: 18.96 ug/ml



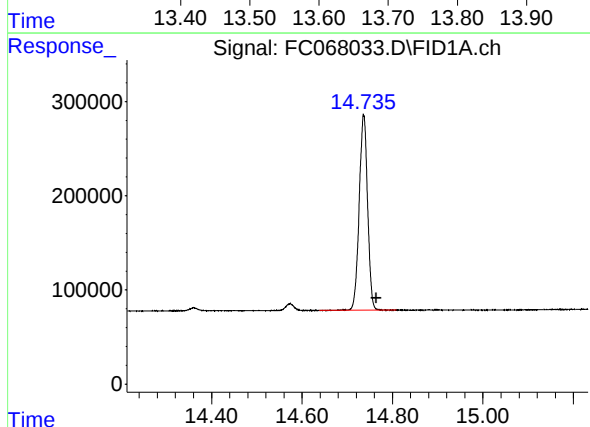
#13 n-Docosane (C22)

R.T.: 13.636 min
Delta R.T.: -0.029 min
Response: 2718636
Conc: 18.99 ug/ml

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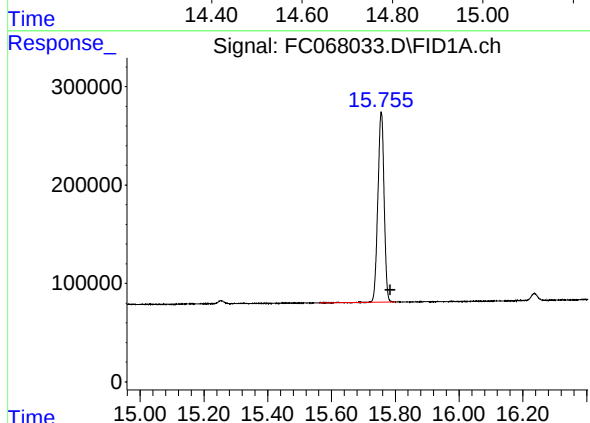
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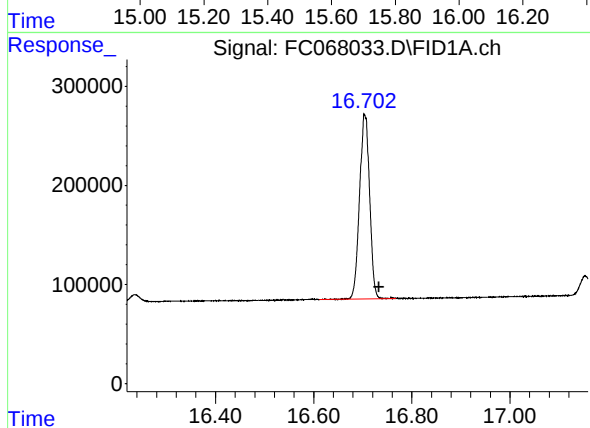
#14 n-Tetracosane (C24)

R.T.: 14.736 min
Delta R.T.: -0.028 min
Response: 2675503
Conc: 19.26 ug/ml



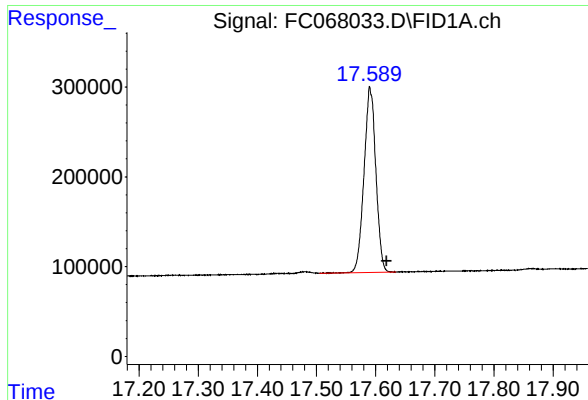
#15 n-Hexacosane (C26)

R.T.: 15.756 min
Delta R.T.: -0.029 min
Response: 2609458
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.705 min
Delta R.T.: -0.028 min
Response: 2651118
Conc: 20.44 ug/ml



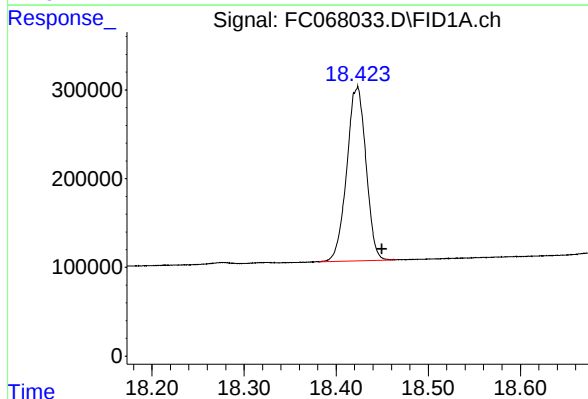
#17 n-Tricontane (C30)

R.T.: 17.591 min
Delta R.T.: -0.028 min
Response: 2855777
Conc: 22.05 ug/ml

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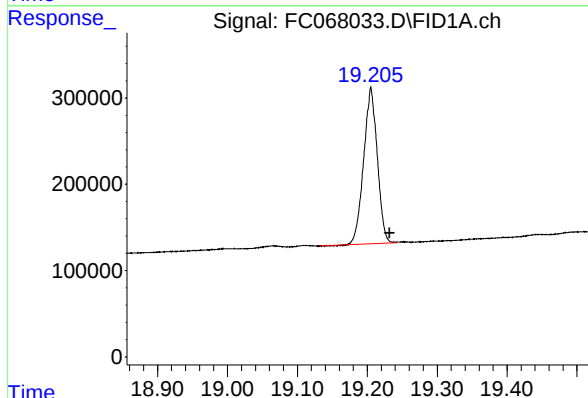
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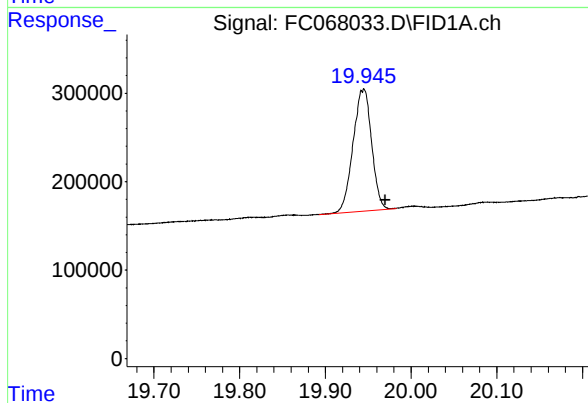
#18 n-Dotriacontane (C32)

R.T.: 18.423 min
Delta R.T.: -0.026 min
Response: 2840372
Conc: 22.93 ug/ml m



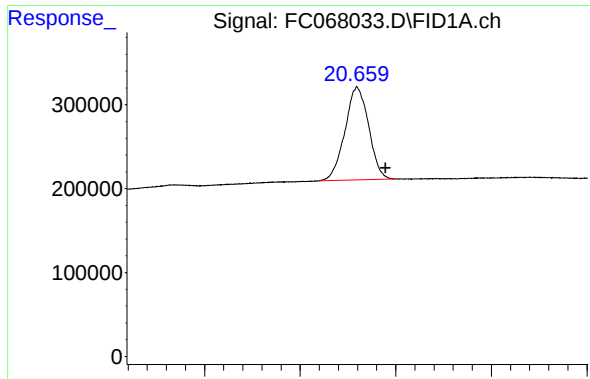
#19 n-Tetratriacontane (C34)

R.T.: 19.205 min
Delta R.T.: -0.027 min
Response: 2450178
Conc: 22.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.945 min
Delta R.T.: -0.025 min
Response: 2078756
Conc: 21.97 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.659 min
Delta R.T.: -0.030 min
Response: 1901224
Conc: 21.02 ug/ml

Instrument :

FID_C

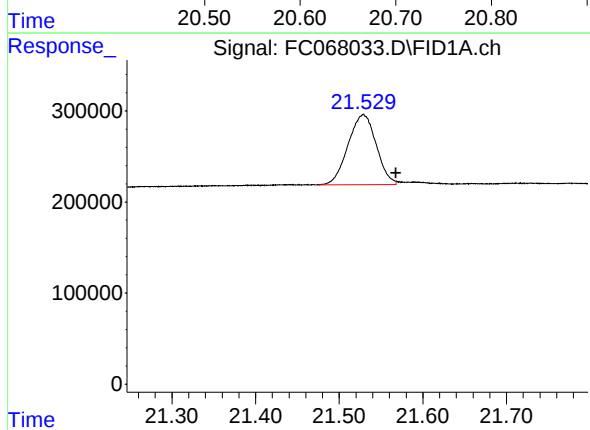
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#22 n-Tetracontane (C40)

R.T.: 21.529 min
Delta R.T.: -0.039 min
Response: 1799553
Conc: 20.42 ug/ml m