

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052623AL\
 Data File : FE042241.D
 Signal(s) : FID1B.ch
 Acq On : 26 May 2023 08:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/30/2023
 Supervised By :Ankita Jodhani 05/30/2023

Integration File: autoint1.e
 Quant Time: May 27 00:26:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 2023
 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)	11.964	3664142	20.751 ug/ml
Spiked Amount 50.000		Recovery =	41.50%
12) S 1-chlorooctadecane (S...	13.400	2678561	20.158 ug/ml
Spiked Amount 50.000		Recovery =	40.32%
Target Compounds			
1) T n-Nonane (C9)	3.347	3058216	21.209 ug/ml
2) T n-Decane (C10)	4.598	3139108	21.205 ug/ml
3) T A~Naphthalene (C11.7)	6.305	3453901	21.169 ug/ml
4) T n-Dodecane (C12)	6.765	3187701	21.258 ug/ml
5) T A~2-methylnaphthalene...	7.402	3326132	20.958 ug/ml
6) T n-Tetradecane (C14)	8.594	3161632	21.105 ug/ml
7) T n-Hexadecane (C16)	10.201	3261891	20.940 ug/ml
8) T n-Octadecane (C18)	11.644	3278649	20.733 ug/ml
10) T n-Eicosane (C20)	12.954	3118124	20.570 ug/ml
11) T n-Heneicosane (C21)	13.567	3033754	20.477 ug/ml
13) T n-Docosane (C22)	14.152	2978815	20.320 ug/ml
14) T n-Tetracosane (C24)	15.255	2923972	20.255 ug/ml
15) T n-Hexacosane (C26)	16.276	2840714	20.511 ug/ml
16) T n-Octacosane (C28)	17.226	2803099	20.937 ug/ml
17) T n-Tricontane (C30)	18.113	2923201	21.655 ug/ml
18) T n-Dotriacontane (C32)	18.945	2905265	21.747 ug/ml
19) T n-Tetratriacontane (C34)	19.729	2766711	21.038 ug/ml
20) T n-Hexatriacontane (C36)	20.469	2685649	20.663 ug/mlm
21) T n-Octatriacontane (C38)	21.220	2692424	19.845 ug/ml
22) T n-Tetracontane (C40)	22.154	2658086	19.107 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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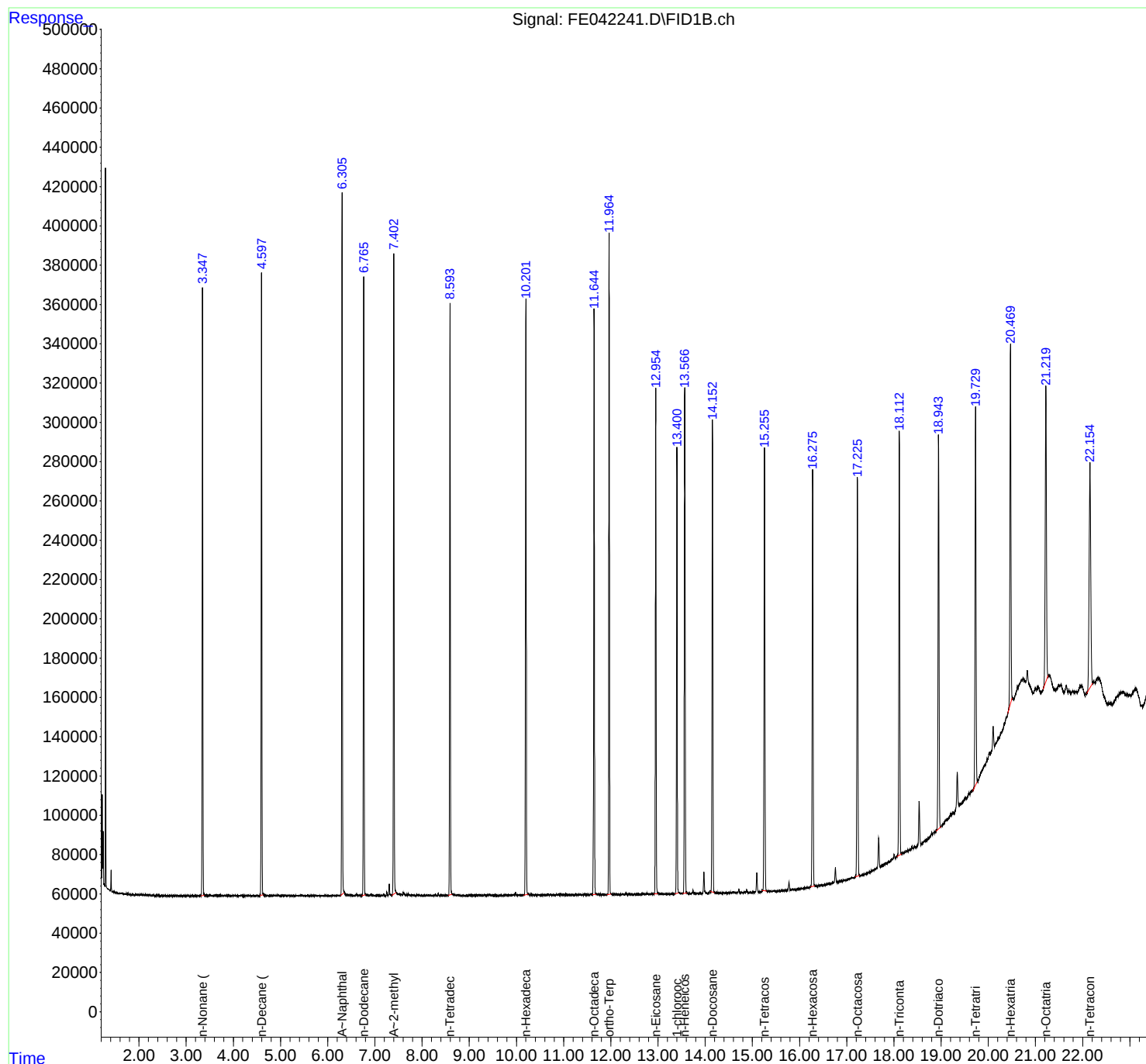
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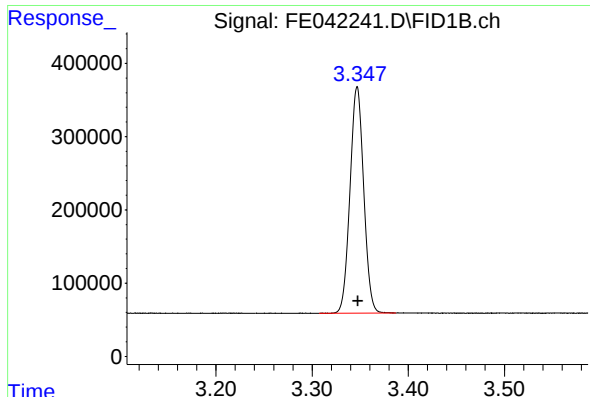
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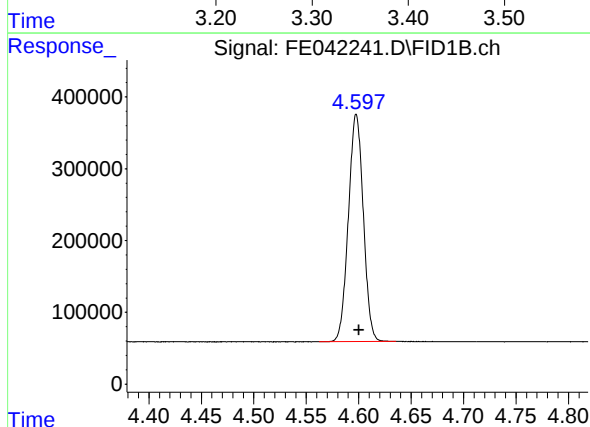
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.001 min
Response: 3058216
Conc: 21.21 ug/ml

Instrument : FID_E
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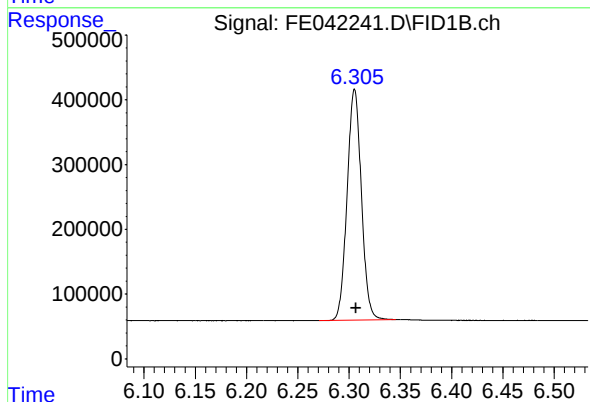
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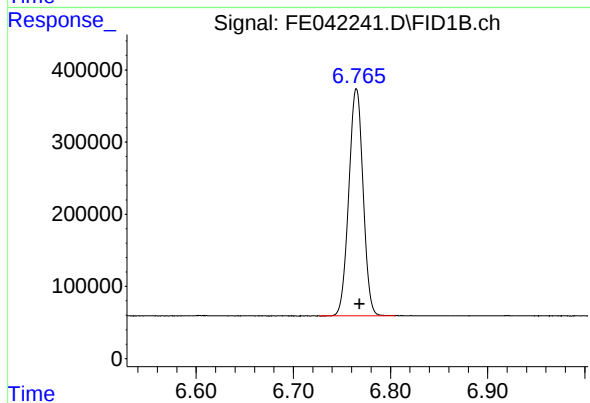
#2 n-Decane (C10)

R.T.: 4.598 min
Delta R.T.: -0.003 min
Response: 3139108
Conc: 21.20 ug/ml



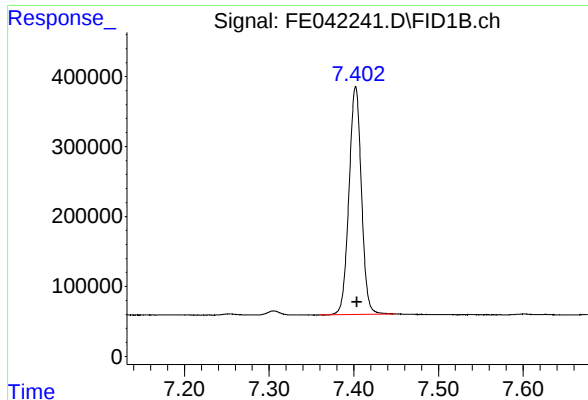
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: -0.001 min
Response: 3453901
Conc: 21.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.765 min
Delta R.T.: -0.003 min
Response: 3187701
Conc: 21.26 ug/ml



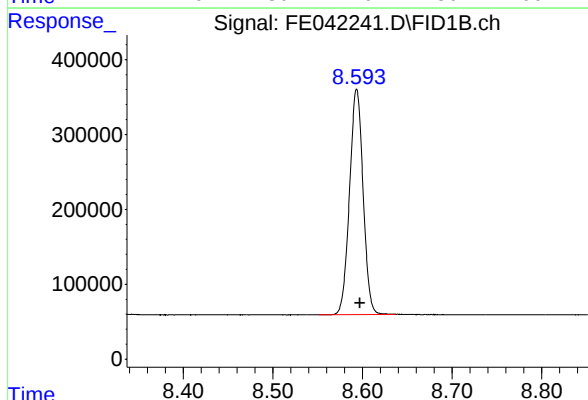
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.402 min
Delta R.T.: -0.001 min
Response: 3326132
Conc: 20.96 ug/ml

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20 PPM ALIPHATIC HC STD

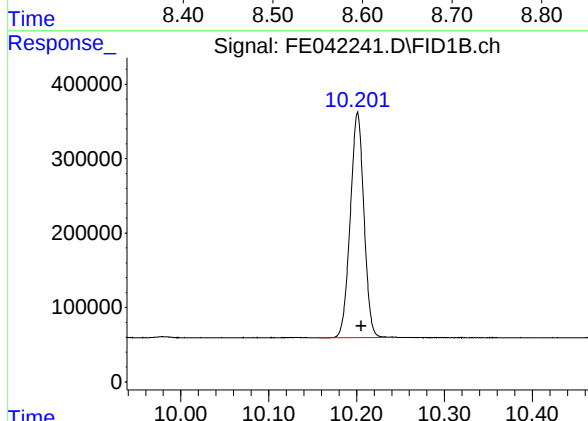
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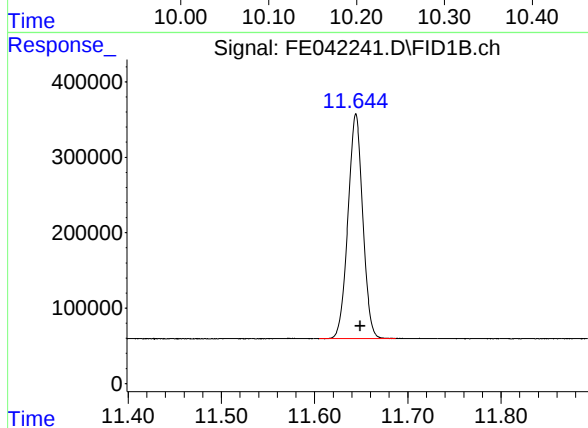
#6 n-Tetradecane (C14)

R.T.: 8.594 min
Delta R.T.: -0.004 min
Response: 3161632
Conc: 21.10 ug/ml



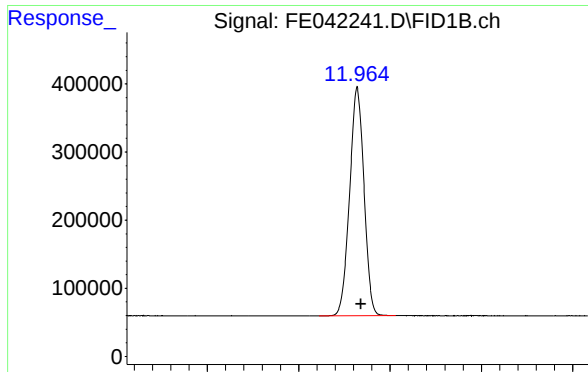
#7 n-Hexadecane (C16)

R.T.: 10.201 min
Delta R.T.: -0.004 min
Response: 3261891
Conc: 20.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.644 min
Delta R.T.: -0.005 min
Response: 3278649
Conc: 20.73 ug/ml



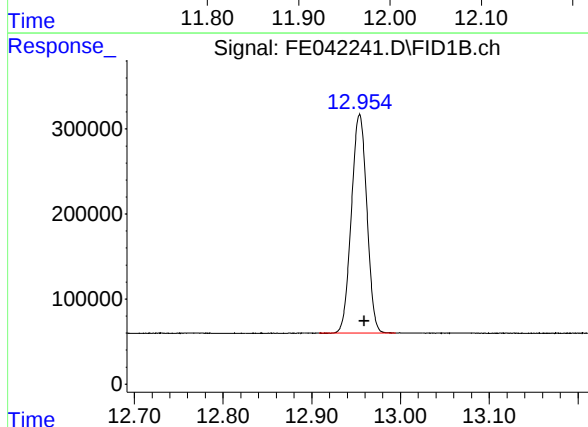
#9 ortho-Terphenyl (SURR)

R.T.: 11.964 min
Delta R.T.: -0.004 min
Response: 3664142
Conc: 20.75 ug/ml

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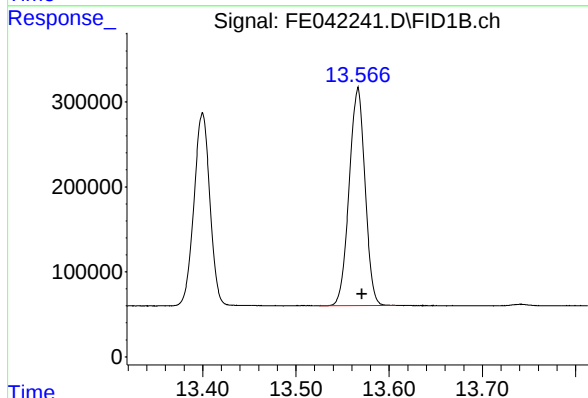
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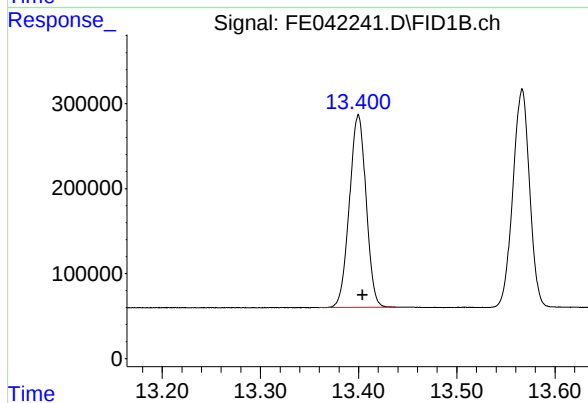
#10 n-Eicosane (C20)

R.T.: 12.954 min
Delta R.T.: -0.005 min
Response: 3118124
Conc: 20.57 ug/ml



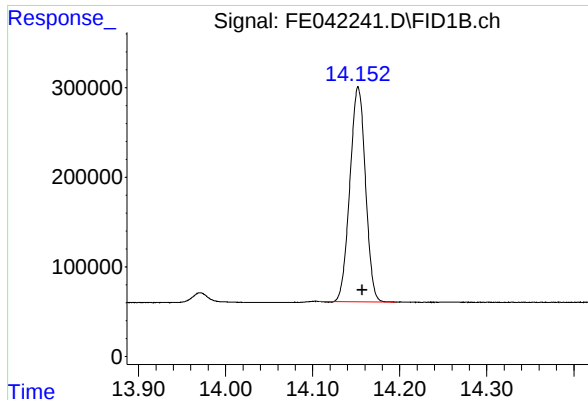
#11 n-Heneicosane (C21)

R.T.: 13.567 min
Delta R.T.: -0.004 min
Response: 3033754
Conc: 20.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.400 min
Delta R.T.: -0.004 min
Response: 2678561
Conc: 20.16 ug/ml



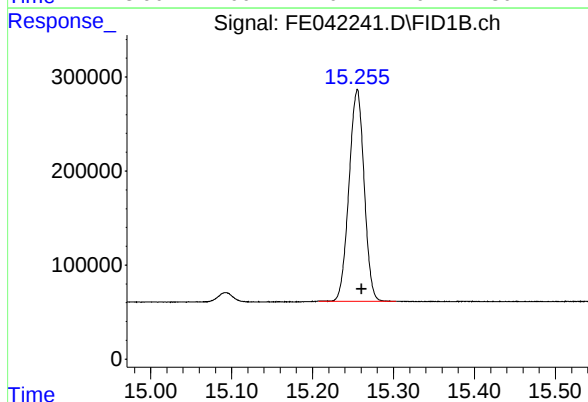
#13 n-Docosane (C22)

R.T.: 14.152 min
Delta R.T.: -0.005 min
Response: 2978815
Conc: 20.32 ug/ml

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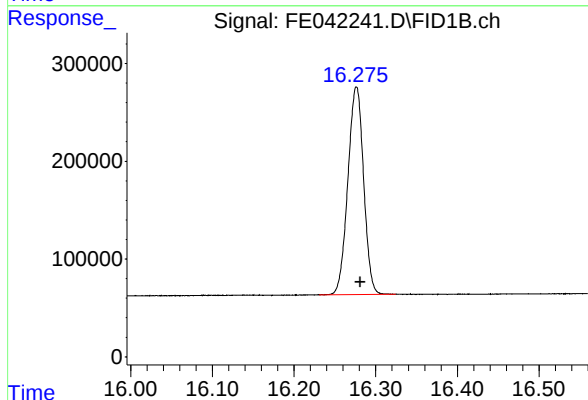
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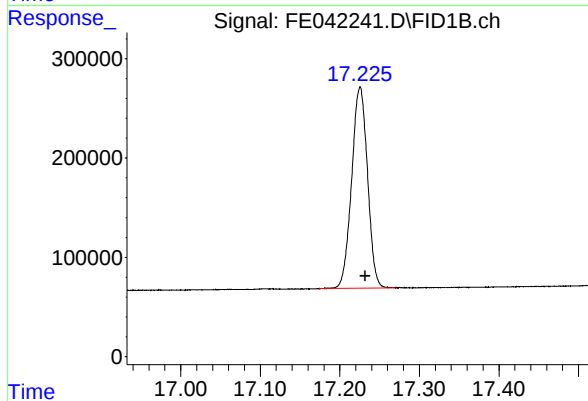
#14 n-Tetracosane (C24)

R.T.: 15.255 min
Delta R.T.: -0.005 min
Response: 2923972
Conc: 20.26 ug/ml



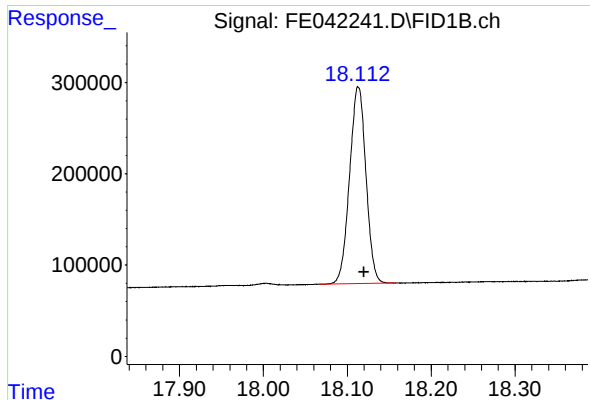
#15 n-Hexacosane (C26)

R.T.: 16.276 min
Delta R.T.: -0.005 min
Response: 2840714
Conc: 20.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.226 min
Delta R.T.: -0.007 min
Response: 2803099
Conc: 20.94 ug/ml



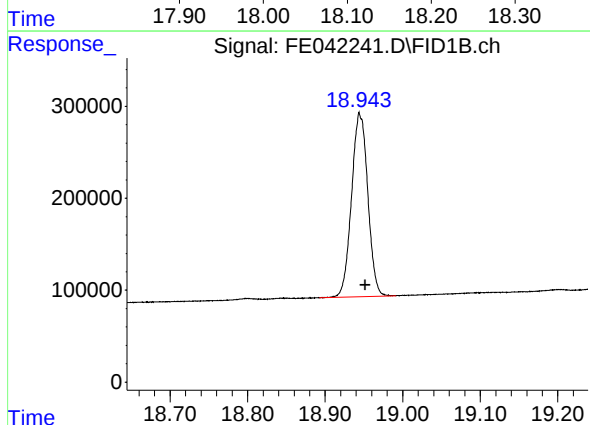
#17 n-Tricontane (C30)

R.T.: 18.113 min
Delta R.T.: -0.007 min
Response: 2923201
Conc: 21.65 ug/ml

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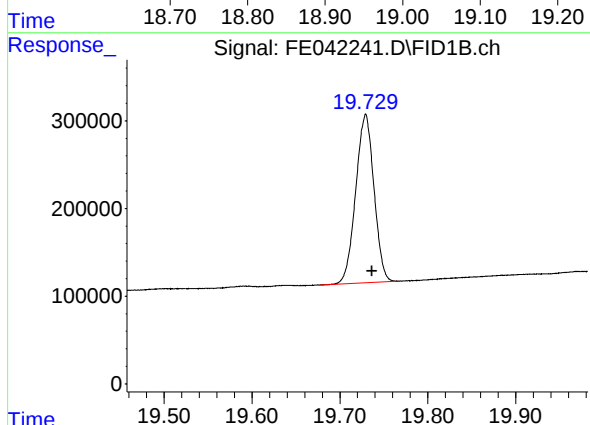
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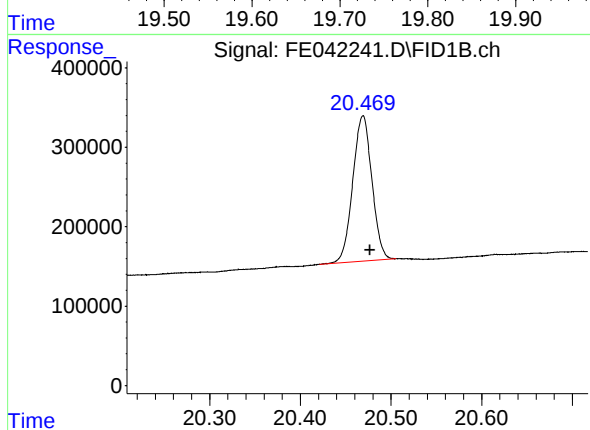
#18 n-Dotriacontane (C32)

R.T.: 18.945 min
Delta R.T.: -0.007 min
Response: 2905265
Conc: 21.75 ug/ml



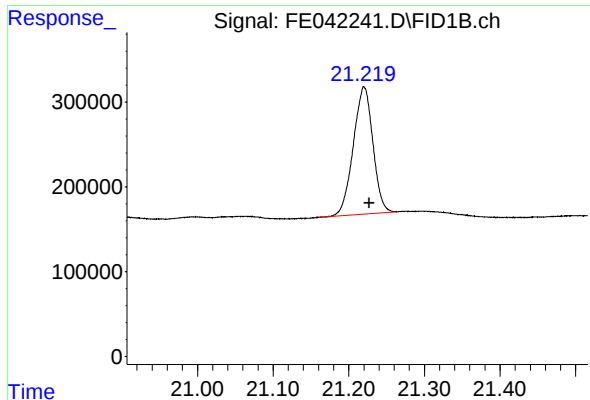
#19 n-Tetatriacontane (C34)

R.T.: 19.729 min
Delta R.T.: -0.007 min
Response: 2766711
Conc: 21.04 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.469 min
Delta R.T.: -0.008 min
Response: 2685649
Conc: 20.66 ug/ml m



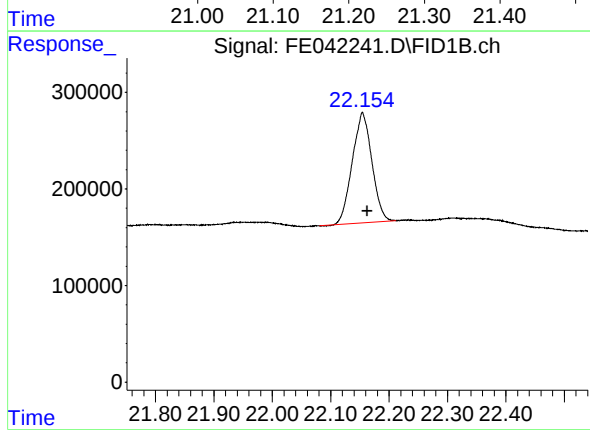
#21 n-Octatriacontane (C38)

R.T.: 21.220 min
Delta R.T.: -0.007 min
Response: 2692424
Conc: 19.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.154 min
Delta R.T.: -0.009 min
Response: 2658086
Conc: 19.11 ug/ml