

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040424AL\
 Data File : FE047480.D
 Signal(s) : FID1B.ch
 Acq On : 04 Apr 2024 23:12
 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 04/05/2024
 Supervised By :Ankita Jodhani 04/05/2024

Integration File: autoint1.e
 Quant Time: Apr 05 01:28:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 040224.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 02 05:28:28 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)	11.979	2998843	17.290 ug/ml
Spiked Amount 50.000		Recovery =	34.58%
12) S 1-chlorooctadecane (S...	13.412	2329062	17.317 ug/ml
Spiked Amount 50.000		Recovery =	34.63%
Target Compounds			
1) T n-Nonane (C9)	3.360	2704187	17.285 ug/mlm
2) T n-Decane (C10)	4.613	2780232	17.299 ug/ml
3) T A~Naphthalene (C11.7)	6.319	2918512	17.213 ug/ml
4) T n-Dodecane (C12)	6.778	2795157	17.221 ug/ml
5) T A~2-methylnaphthalene...	7.414	2822876	17.189 ug/ml
6) T n-Tetradecane (C14)	8.606	2780238	17.282 ug/ml
7) T n-Hexadecane (C16)	10.215	2879156	17.336 ug/ml
8) T n-Octadecane (C18)	11.659	2917296	17.396 ug/mlm
10) T n-Eicosane (C20)	12.967	2816951	17.388 ug/ml
11) T n-Heneicosane (C21)	13.579	2755817	17.368 ug/ml
13) T n-Docosane (C22)	14.166	2800211	17.449 ug/ml
14) T n-Tetracosane (C24)	15.267	2892403	17.523 ug/ml
15) T n-Hexacosane (C26)	16.286	2944328	17.812 ug/ml
16) T n-Octacosane (C28)	17.235	3034960	18.314 ug/ml
17) T n-Tricontane (C30)	18.123	3257327	19.186 ug/ml
18) T n-Dotriacontane (C32)	18.954	3235208	19.401 ug/ml
19) T n-Tetratriacontane (C34)	19.737	2983354	18.601 ug/ml
20) T n-Hexatriacontane (C36)	20.477	2841209	17.813 ug/ml
21) T n-Octatriacontane (C38)	21.218	2813384	17.311 ug/ml
22) T n-Tetracontane (C40)	22.143	2818154	17.213 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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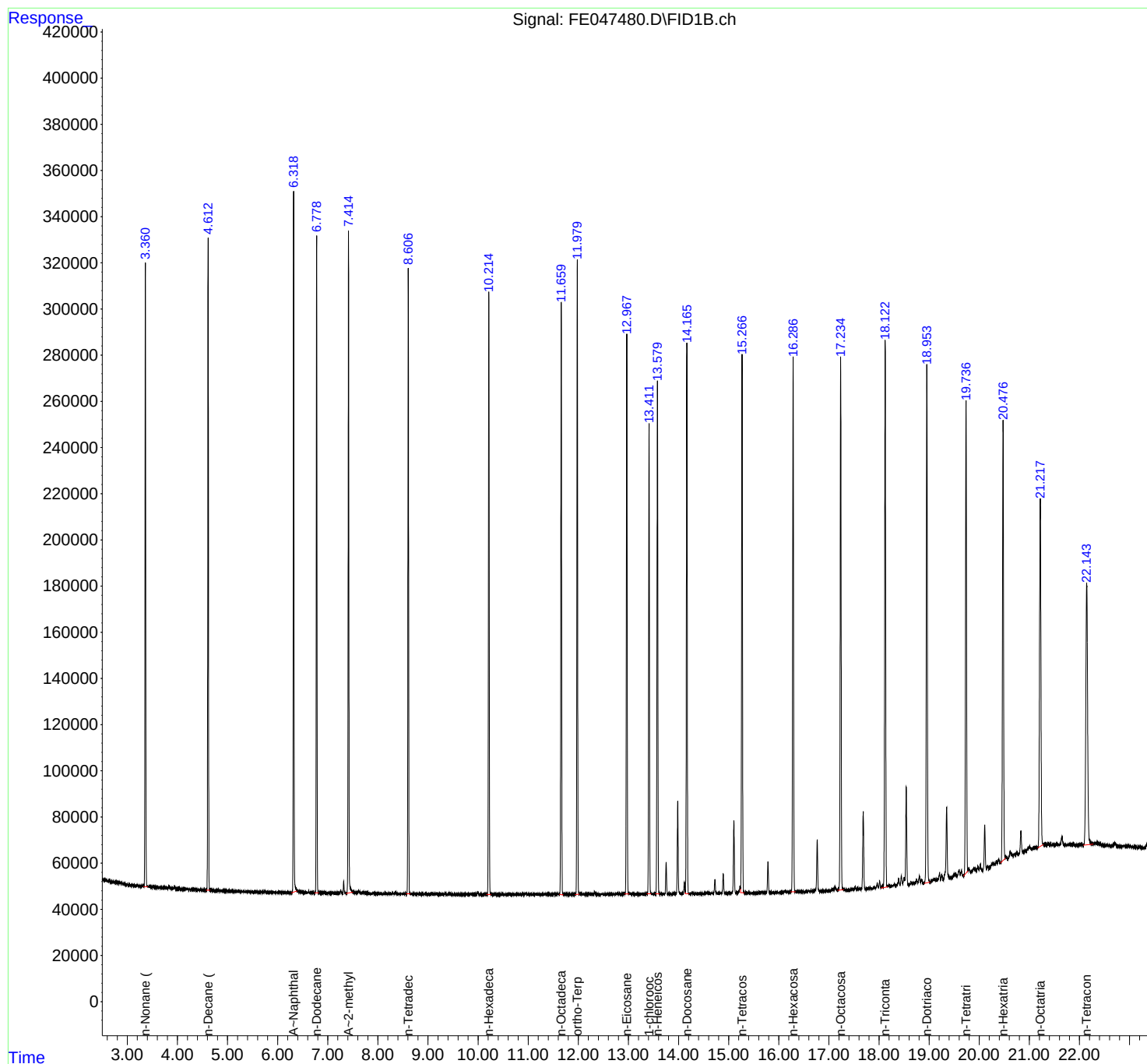
Instrument :
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20 PPM ALIPHATIC HC STD

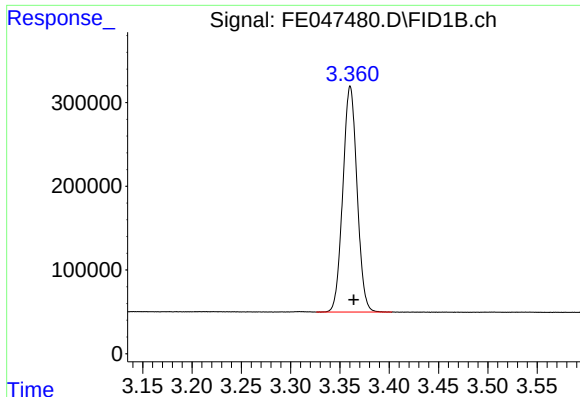
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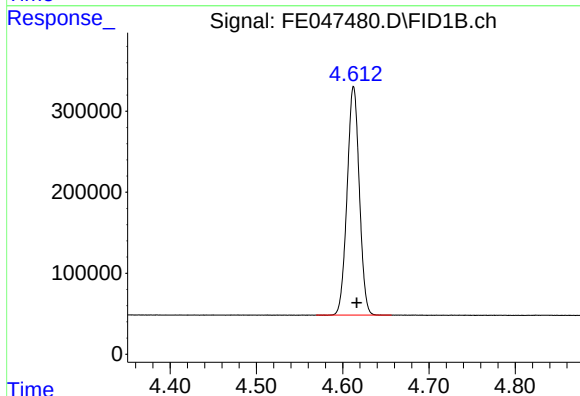
#1 n-Nonane (C9)

R.T.: 3.360 min
Delta R.T.: -0.004 min
Response: 2704187
Conc: 17.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

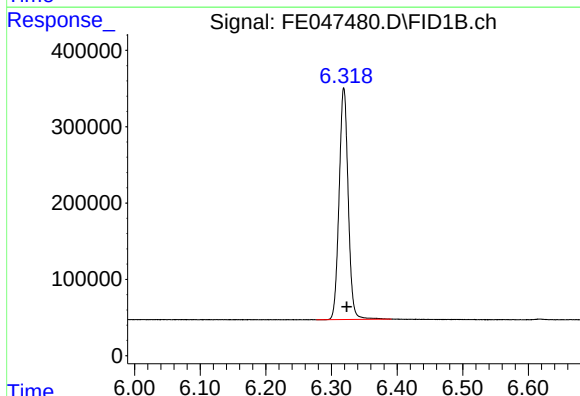
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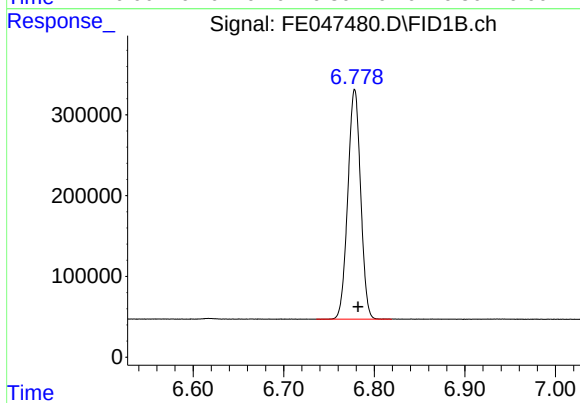
#2 n-Decane (C10)

R.T.: 4.613 min
Delta R.T.: -0.003 min
Response: 2780232
Conc: 17.30 ug/ml



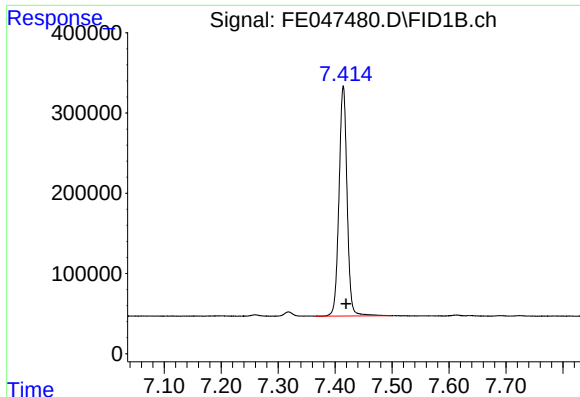
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min
Delta R.T.: -0.005 min
Response: 2918512
Conc: 17.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.778 min
Delta R.T.: -0.004 min
Response: 2795157
Conc: 17.22 ug/ml



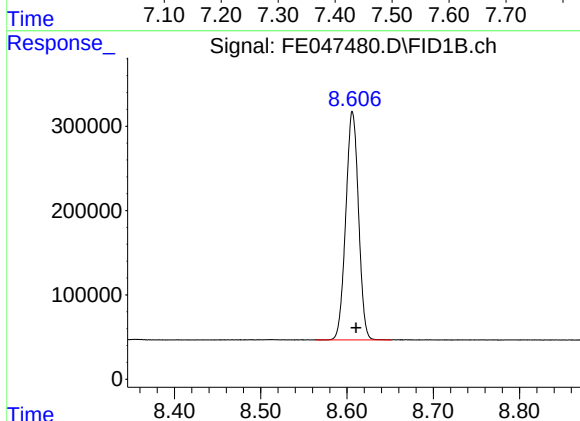
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.414 min
Delta R.T.: -0.005 min
Response: 2822876
Conc: 17.19 ug/ml

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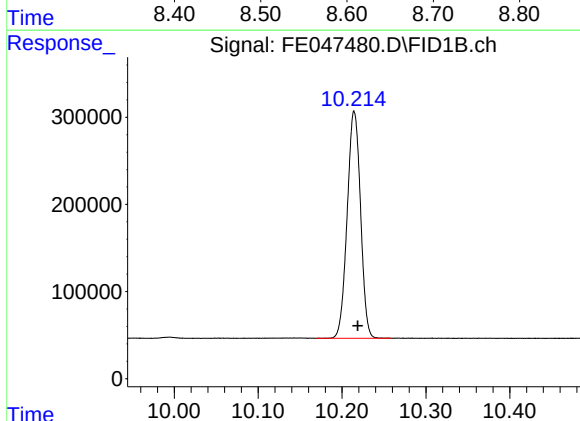
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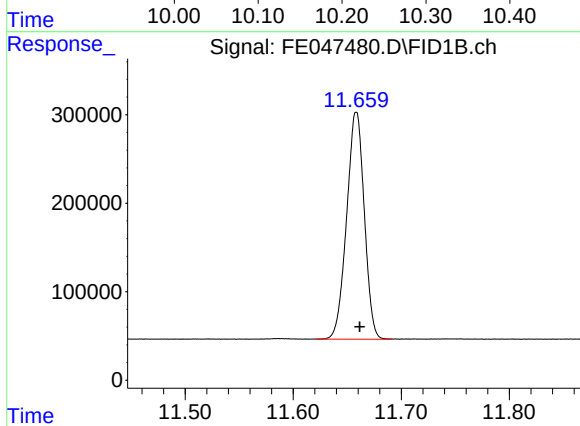
#6 n-Tetradecane (C14)

R.T.: 8.606 min
Delta R.T.: -0.004 min
Response: 2780238
Conc: 17.28 ug/ml



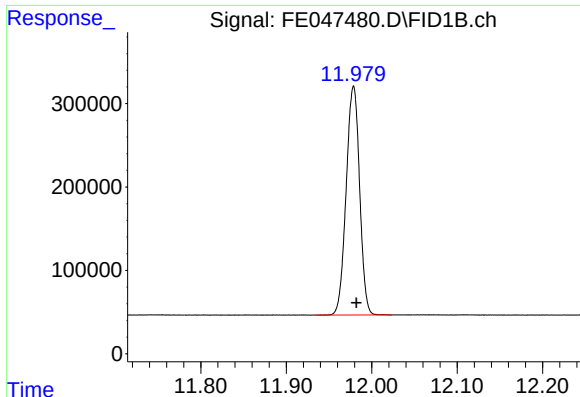
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: -0.004 min
Response: 2879156
Conc: 17.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.659 min
Delta R.T.: -0.003 min
Response: 2917296
Conc: 17.40 ug/ml m



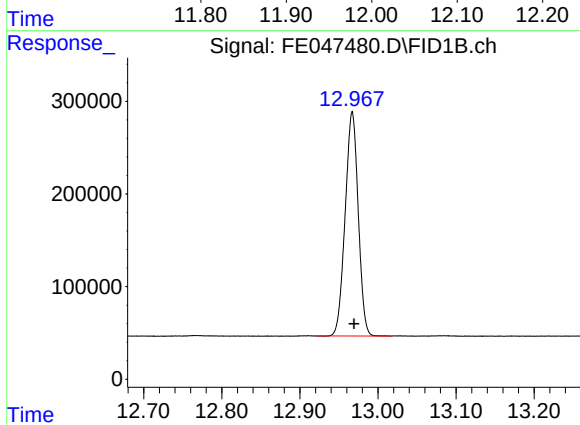
#9 ortho-Terphenyl (SURR)

R.T.: 11.979 min
Delta R.T.: -0.003 min
Response: 2998843
Conc: 17.29 ug/ml

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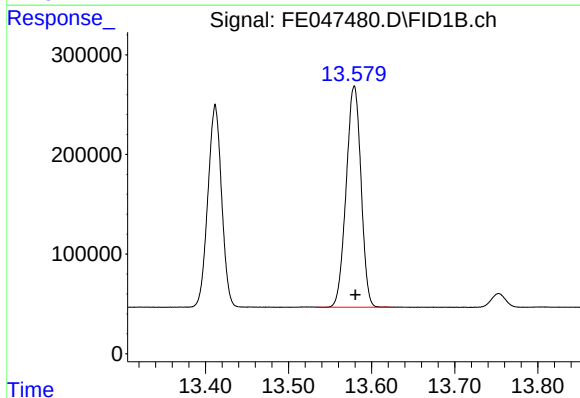
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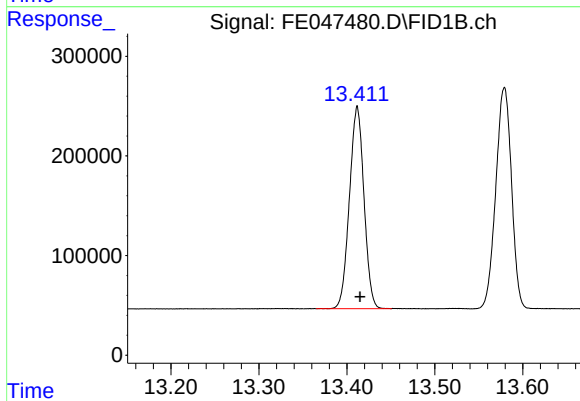
#10 n-Eicosane (C20)

R.T.: 12.967 min
Delta R.T.: -0.002 min
Response: 2816951
Conc: 17.39 ug/ml



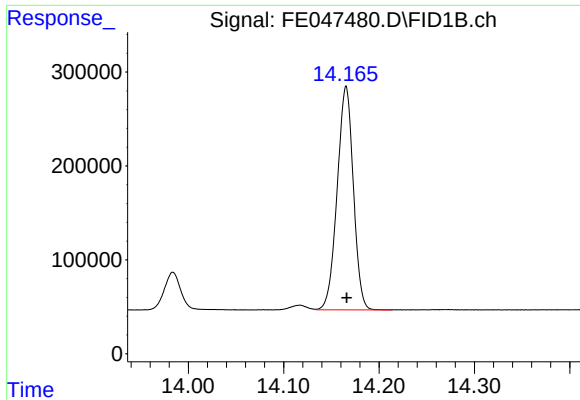
#11 n-Heneicosane (C21)

R.T.: 13.579 min
Delta R.T.: -0.001 min
Response: 2755817
Conc: 17.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.412 min
Delta R.T.: -0.003 min
Response: 2329062
Conc: 17.32 ug/ml



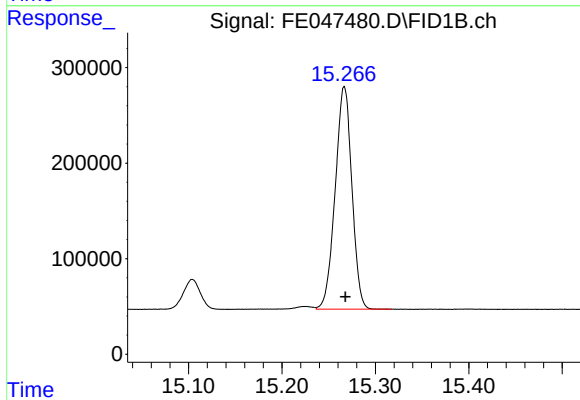
#13 n-Docosane (C22)

R.T.: 14.166 min
Delta R.T.: 0.000 min
Response: 2800211
Conc: 17.45 ug/ml

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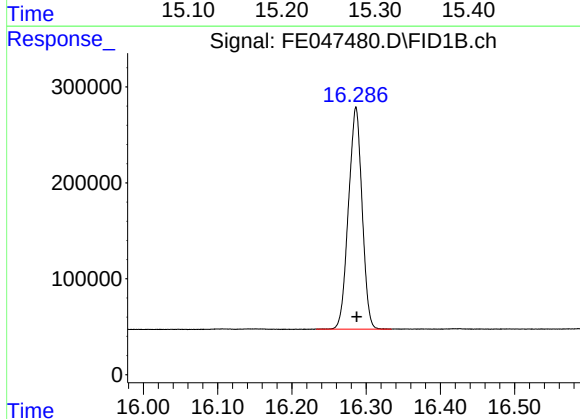
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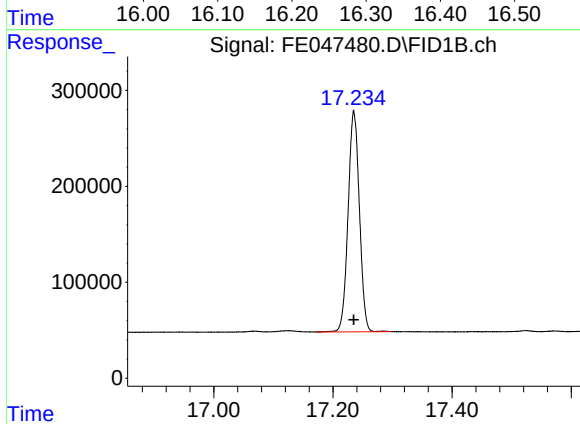
#14 n-Tetracosane (C24)

R.T.: 15.267 min
Delta R.T.: 0.000 min
Response: 2892403
Conc: 17.52 ug/ml



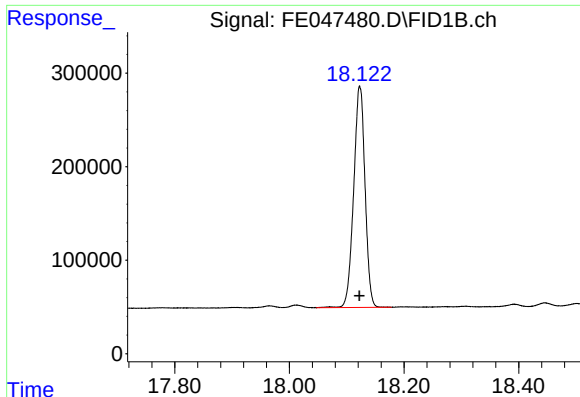
#15 n-Hexacosane (C26)

R.T.: 16.286 min
Delta R.T.: 0.000 min
Response: 2944328
Conc: 17.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.235 min
Delta R.T.: 0.000 min
Response: 3034960
Conc: 18.31 ug/ml



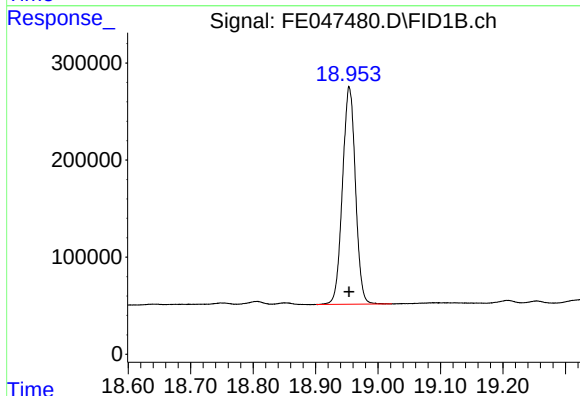
#17 n-Tricontane (C30)

R.T.: 18.123 min
Delta R.T.: 0.000 min
Response: 3257327
Conc: 19.19 ug/ml

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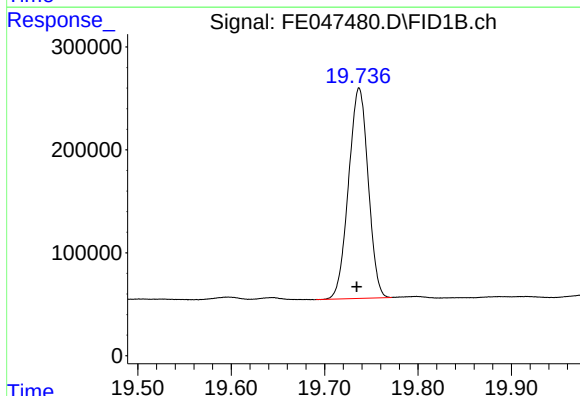
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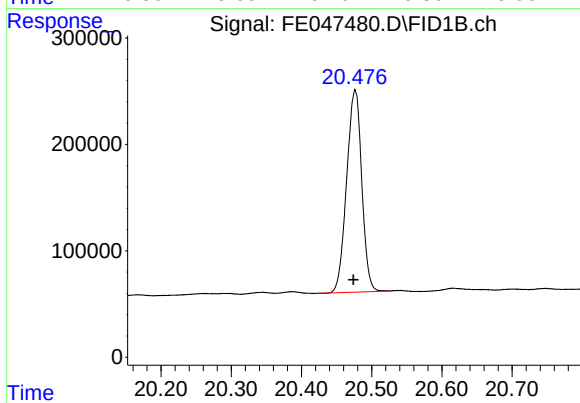
#18 n-Dotriacontane (C32)

R.T.: 18.954 min
Delta R.T.: 0.000 min
Response: 3235208
Conc: 19.40 ug/ml



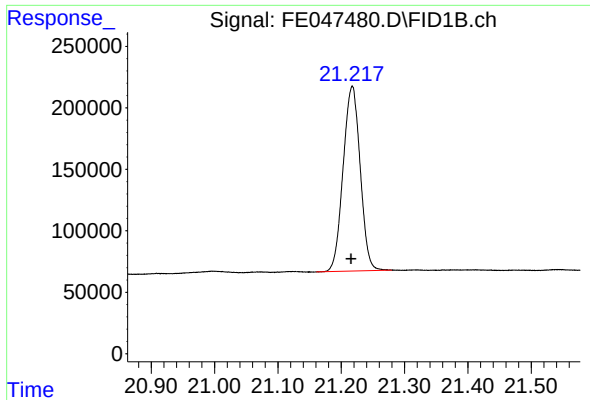
#19 n-Tetratriacontane (C34)

R.T.: 19.737 min
Delta R.T.: 0.003 min
Response: 2983354
Conc: 18.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.477 min
Delta R.T.: 0.003 min
Response: 2841209
Conc: 17.81 ug/ml



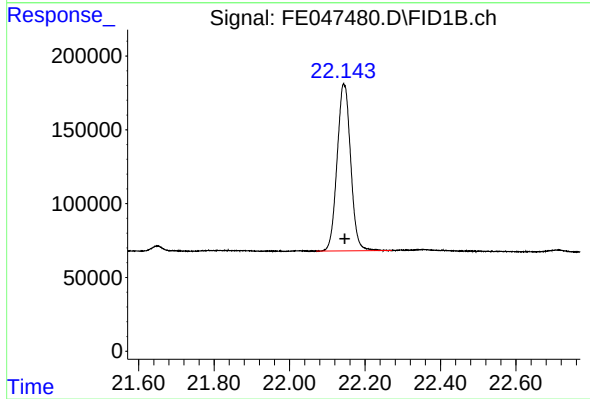
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: 0.002 min
Response: 2813384
Conc: 17.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.143 min
Delta R.T.: -0.002 min
Response: 2818154
Conc: 17.21 ug/ml