

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050323AL\
 Data File : FE041720.D
 Signal(s) : FID1B.ch
 Acq On : 04 May 2023 01:57
 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 05/04/2023
 Supervised By :Ankita Jodhani 05/04/2023

Integration File: autoint1.e
 Quant Time: May 04 02:52:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.981	3772514	20.108 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
12) S 1-chlorooctadecane (S...	13.417	2781749	19.691 ug/ml
Spiked Amount 50.000		Recovery =	39.38%
Target Compounds			
1) T n-Nonane (C9)	3.354	3027582	20.596 ug/ml
2) T n-Decane (C10)	4.608	3143294	20.958 ug/ml
3) T A~Naphthalene (C11.7)	6.316	3471449	20.977 ug/ml
4) T n-Dodecane (C12)	6.778	3188972	20.974 ug/ml
5) T A~2-methylnaphthalene...	7.413	3390315	21.026 ug/ml
6) T n-Tetradecane (C14)	8.607	3197809	21.052 ug/ml
7) T n-Hexadecane (C16)	10.216	3326096	20.842 ug/ml
8) T n-Octadecane (C18)	11.660	3368607	20.551 ug/ml
10) T n-Eicosane (C20)	12.971	3229412	20.078 ug/ml
11) T n-Heneicosane (C21)	13.584	3159777	19.827 ug/ml
13) T n-Docosane (C22)	14.170	3133830	19.669 ug/ml
14) T n-Tetracosane (C24)	15.274	3101192	19.236 ug/ml
15) T n-Hexacosane (C26)	16.297	2985507	18.884 ug/ml
16) T n-Octacosane (C28)	17.248	2917718	18.962 ug/ml
17) T n-Tricontane (C30)	18.135	3037082	19.941 ug/ml
18) T n-Dotriacontane (C32)	18.967	2970784	19.941 ug/mlm
19) T n-Tetratriacontane (C34)	19.752	2846184	20.203 ug/ml
20) T n-Hexatriacontane (C36)	20.491	2811260	21.022 ug/mlm
21) T n-Octatriacontane (C38)	21.247	2908983	22.015 ug/mlm
22) T n-Tetracontane (C40)	22.192	2903232	22.930 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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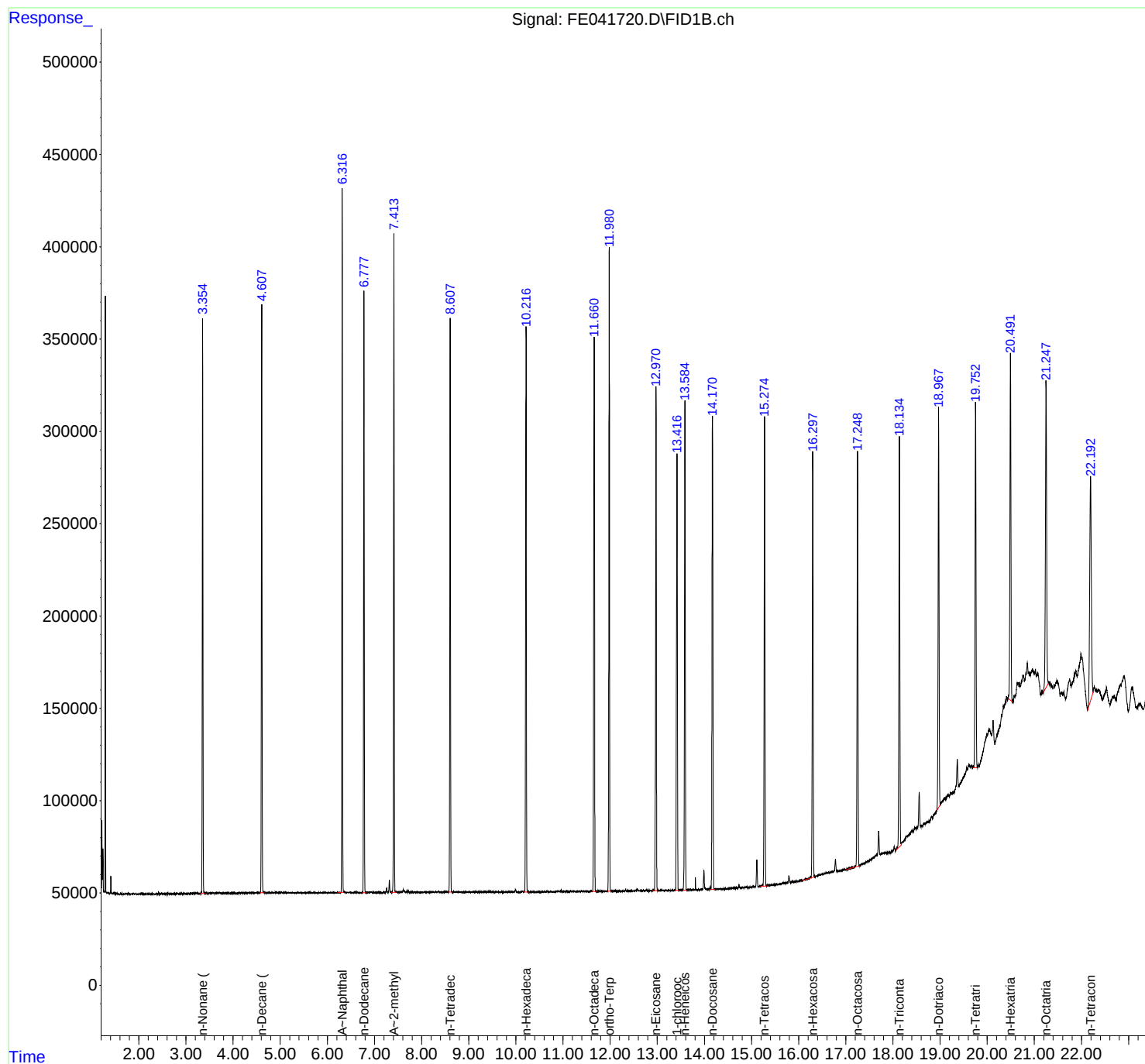
Instrument :
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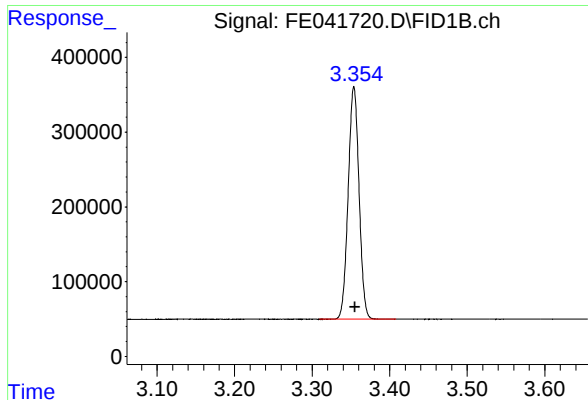
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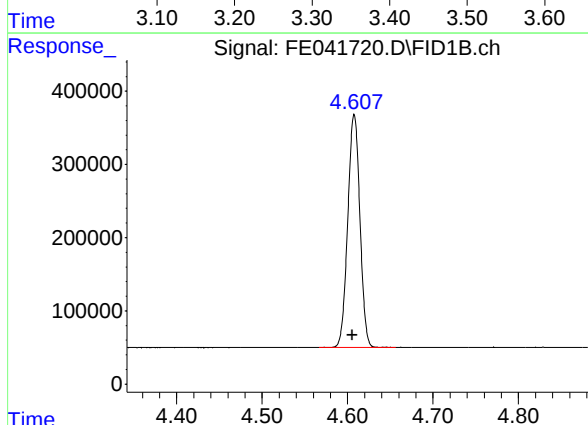
#1 n-Nonane (C9)

R.T.: 3.354 min
Delta R.T.: -0.001 min
Response: 3027582
Conc: 20.60 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

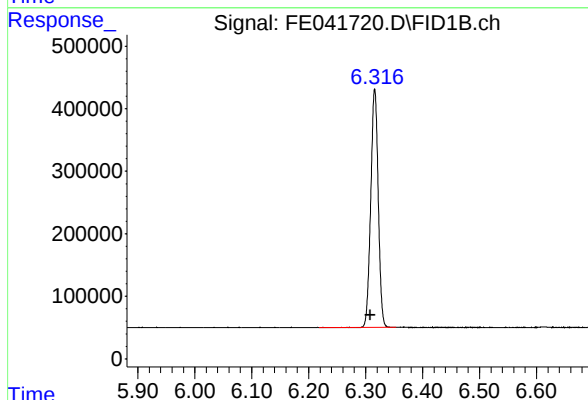
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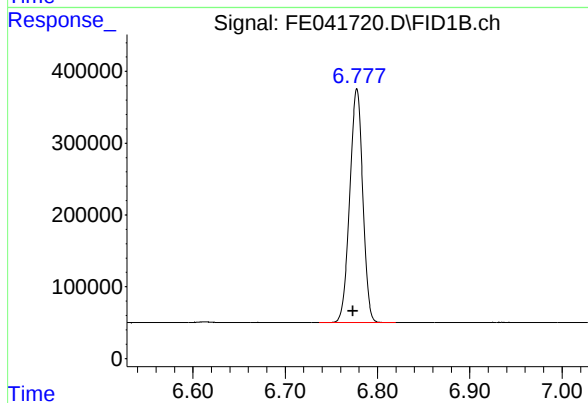
#2 n-Decane (C10)

R.T.: 4.608 min
Delta R.T.: 0.002 min
Response: 3143294
Conc: 20.96 ug/ml



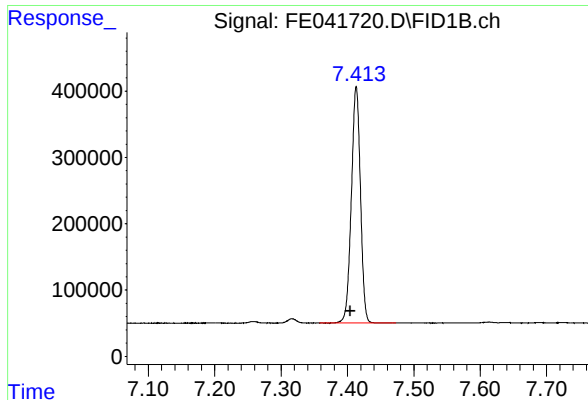
#3 A~Naphthalene (C11.7)

R.T.: 6.316 min
Delta R.T.: 0.008 min
Response: 3471449
Conc: 20.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.778 min
Delta R.T.: 0.004 min
Response: 3188972
Conc: 20.97 ug/ml



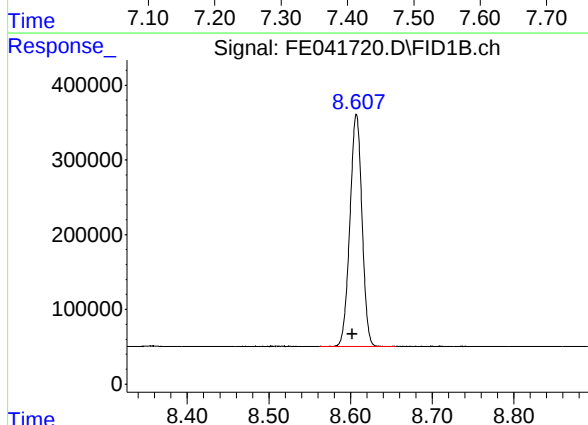
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.413 min
Delta R.T.: 0.009 min
Response: 3390315
Conc: 21.03 ug/ml

Instrument : FID_E
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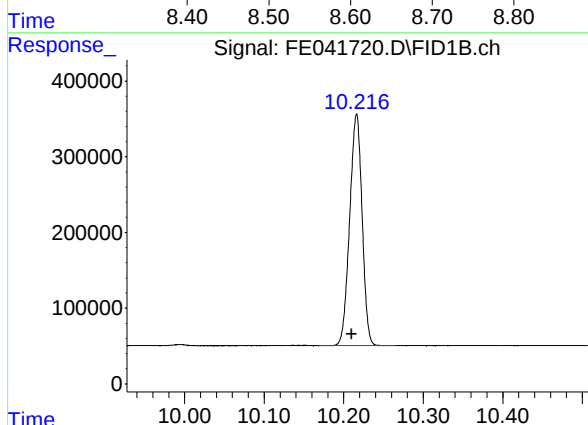
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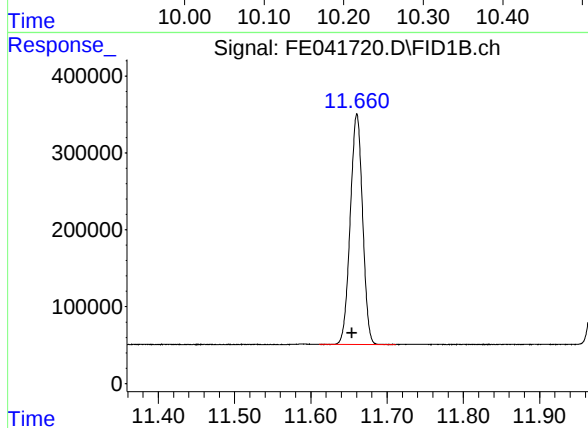
#6 n-Tetradecane (C14)

R.T.: 8.607 min
Delta R.T.: 0.005 min
Response: 3197809
Conc: 21.05 ug/ml



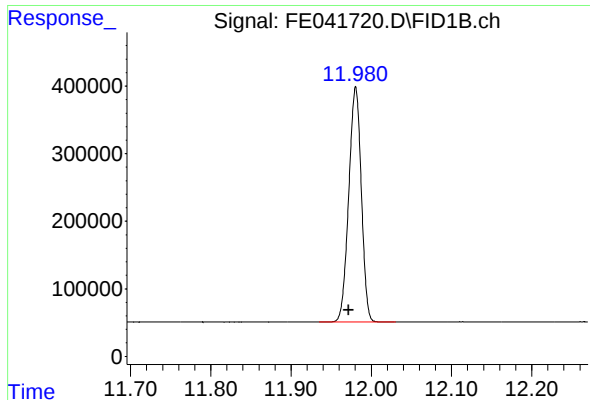
#7 n-Hexadecane (C16)

R.T.: 10.216 min
Delta R.T.: 0.006 min
Response: 3326096
Conc: 20.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.660 min
Delta R.T.: 0.007 min
Response: 3368607
Conc: 20.55 ug/ml



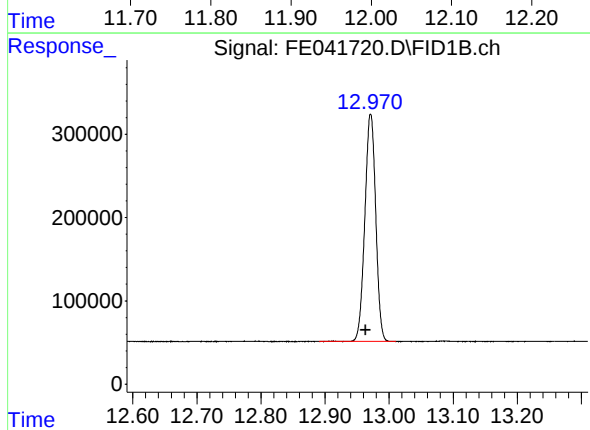
#9 ortho-Terphenyl (SURR)

R.T.: 11.981 min
Delta R.T.: 0.009 min
Response: 3772514
Conc: 20.11 ug/ml

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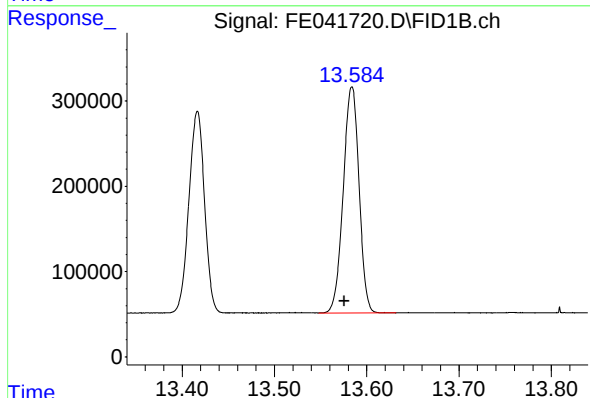
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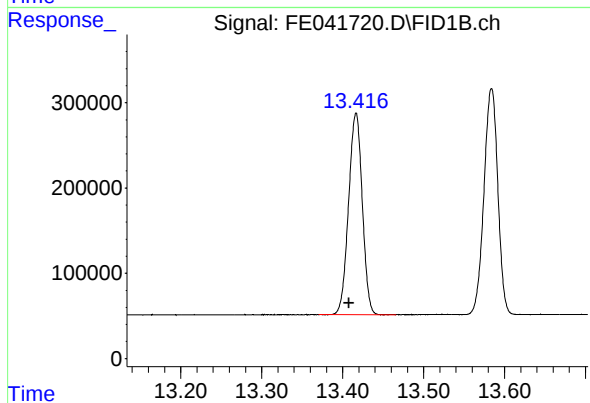
#10 n-Eicosane (C20)

R.T.: 12.971 min
Delta R.T.: 0.007 min
Response: 3229412
Conc: 20.08 ug/ml



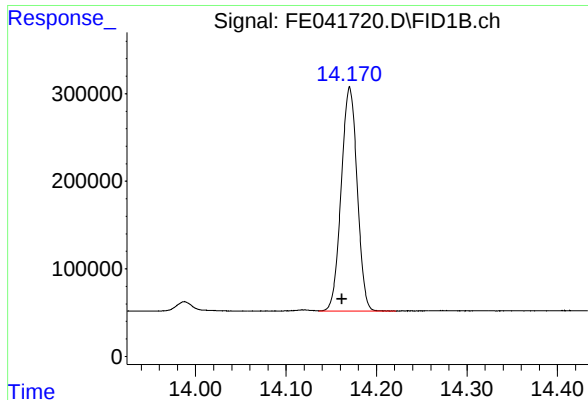
#11 n-Heneicosane (C21)

R.T.: 13.584 min
Delta R.T.: 0.008 min
Response: 3159777
Conc: 19.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.417 min
Delta R.T.: 0.009 min
Response: 2781749
Conc: 19.69 ug/ml



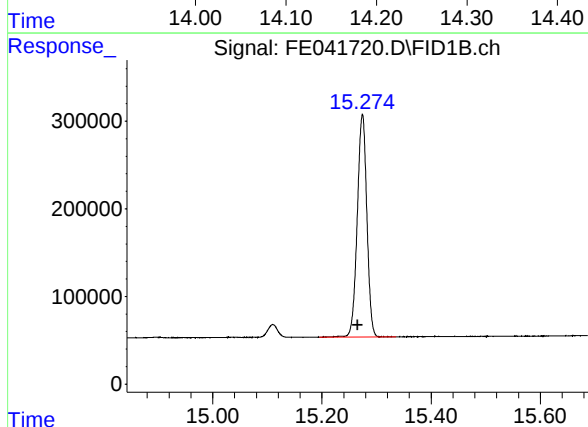
#13 n-Docosane (C22)

R.T.: 14.170 min
Delta R.T.: 0.008 min
Response: 3133830
Conc: 19.67 ug/ml

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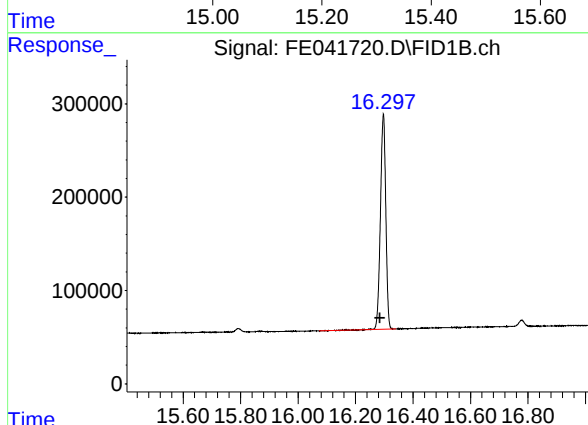
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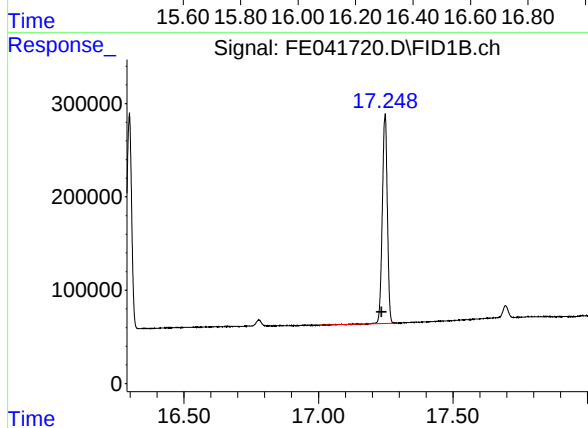
#14 n-Tetracosane (C24)

R.T.: 15.274 min
Delta R.T.: 0.009 min
Response: 3101192
Conc: 19.24 ug/ml



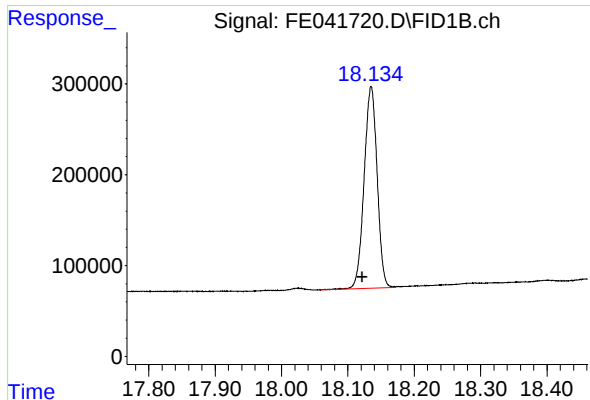
#15 n-Hexacosane (C26)

R.T.: 16.297 min
Delta R.T.: 0.012 min
Response: 2985507
Conc: 18.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.248 min
Delta R.T.: 0.014 min
Response: 2917718
Conc: 18.96 ug/ml



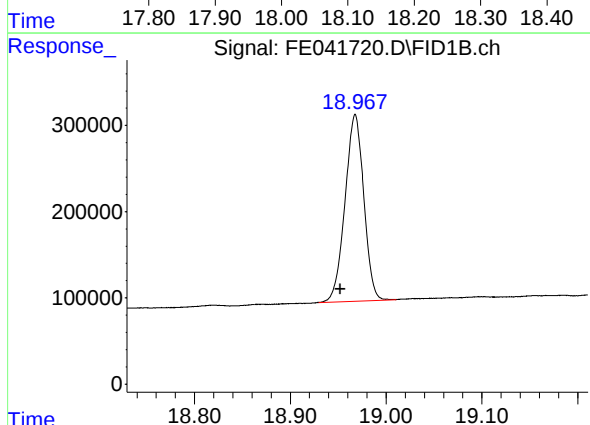
#17 n-Tricontane (C30)

R.T.: 18.135 min
Delta R.T.: 0.014 min
Response: 3037082
Conc: 19.94 ug/ml

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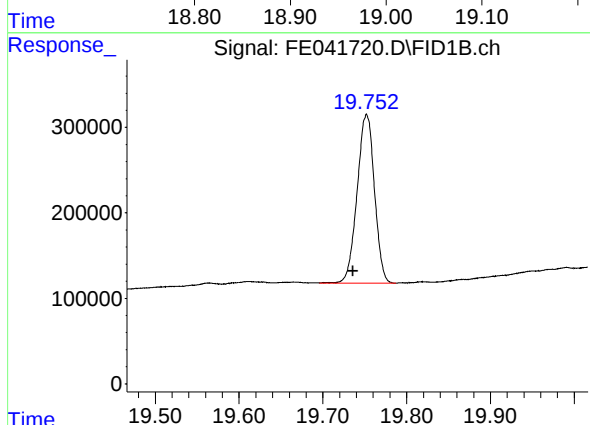
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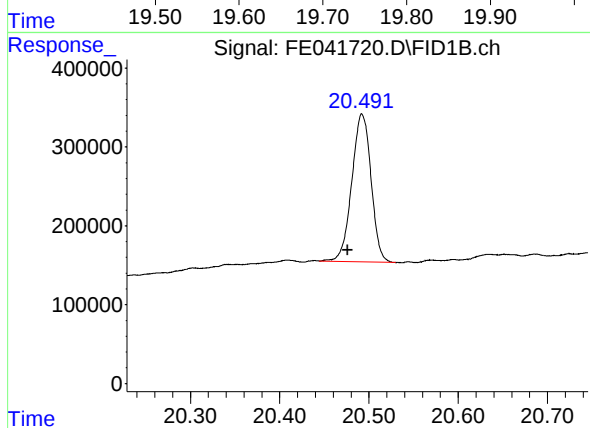
#18 n-Dotriacontane (C32)

R.T.: 18.967 min
Delta R.T.: 0.015 min
Response: 2970784
Conc: 19.94 ug/ml m



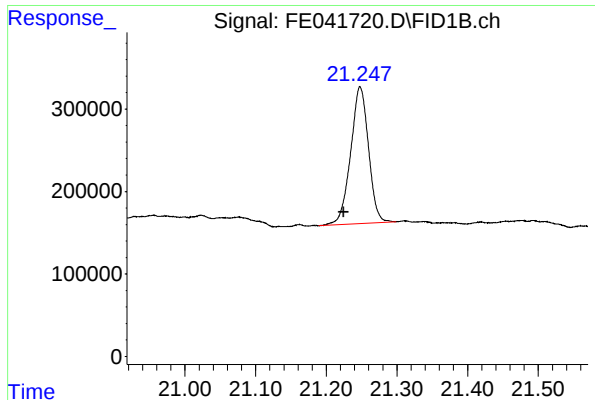
#19 n-Tetratriacontane (C34)

R.T.: 19.752 min
Delta R.T.: 0.016 min
Response: 2846184
Conc: 20.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.491 min
Delta R.T.: 0.015 min
Response: 2811260
Conc: 21.02 ug/ml m



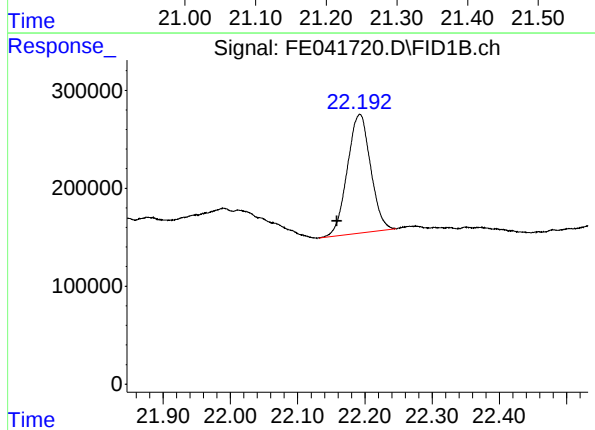
#21 n-Octatriacontane (C38)

R.T.: 21.247 min
Delta R.T.: 0.022 min
Response: 2908983
Conc: 22.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.192 min
Delta R.T.: 0.033 min
Response: 2903232
Conc: 22.93 ug/ml m