

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092623AL\
 Data File : FE044448.D
 Signal(s) : FID1B.ch
 Acq On : 26 Sep 2023 13:23
 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 09/27/2023
 Supervised By :Ankita Jodhani 09/27/2023

Integration File: autoint1.e
 Quant Time: Sep 27 00:30:55 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 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)	11.923	3785558	20.164 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
12) S 1-chlorooctadecane (S...	13.362	2763516	20.313 ug/ml
Spiked Amount 50.000		Recovery =	40.63%
Target Compounds			
1) T n-Nonane (C9)	3.312	3260161	20.081 ug/ml
2) T n-Decane (C10)	4.563	3319167	20.044 ug/ml
3) T A~Naphthalene (C11.7)	6.264	3595872	20.113 ug/ml
4) T n-Dodecane (C12)	6.727	3337825	20.067 ug/ml
5) T A~2-methylnaphthalene...	7.359	3452159	20.178 ug/ml
6) T n-Tetradecane (C14)	8.553	3297277	20.085 ug/ml
7) T n-Hexadecane (C16)	10.162	3402577	20.085 ug/ml
8) T n-Octadecane (C18)	11.606	3415446	20.116 ug/ml
10) T n-Eicosane (C20)	12.917	3238095	20.126 ug/ml
11) T n-Heneicosane (C21)	13.529	3151323	20.125 ug/ml
13) T n-Docosane (C22)	14.116	3099984	20.099 ug/ml
14) T n-Tetracosane (C24)	15.220	3043221	20.132 ug/ml
15) T n-Hexacosane (C26)	16.242	2966891	20.170 ug/ml
16) T n-Octacosane (C28)	17.193	2903145	20.242 ug/ml
17) T n-Tricontane (C30)	18.080	3041934	20.521 ug/ml
18) T n-Dotriacontane (C32)	18.914	3070089	20.739 ug/ml
19) T n-Tetratriacontane (C34)	19.700	3017702	20.649 ug/ml
20) T n-Hexatriacontane (C36)	20.441	2958534	20.396 ug/ml
21) T n-Octatriacontane (C38)	21.181	3051972	20.375 ug/mlm
22) T n-Tetracontane (C40)	22.102	3264110	20.684 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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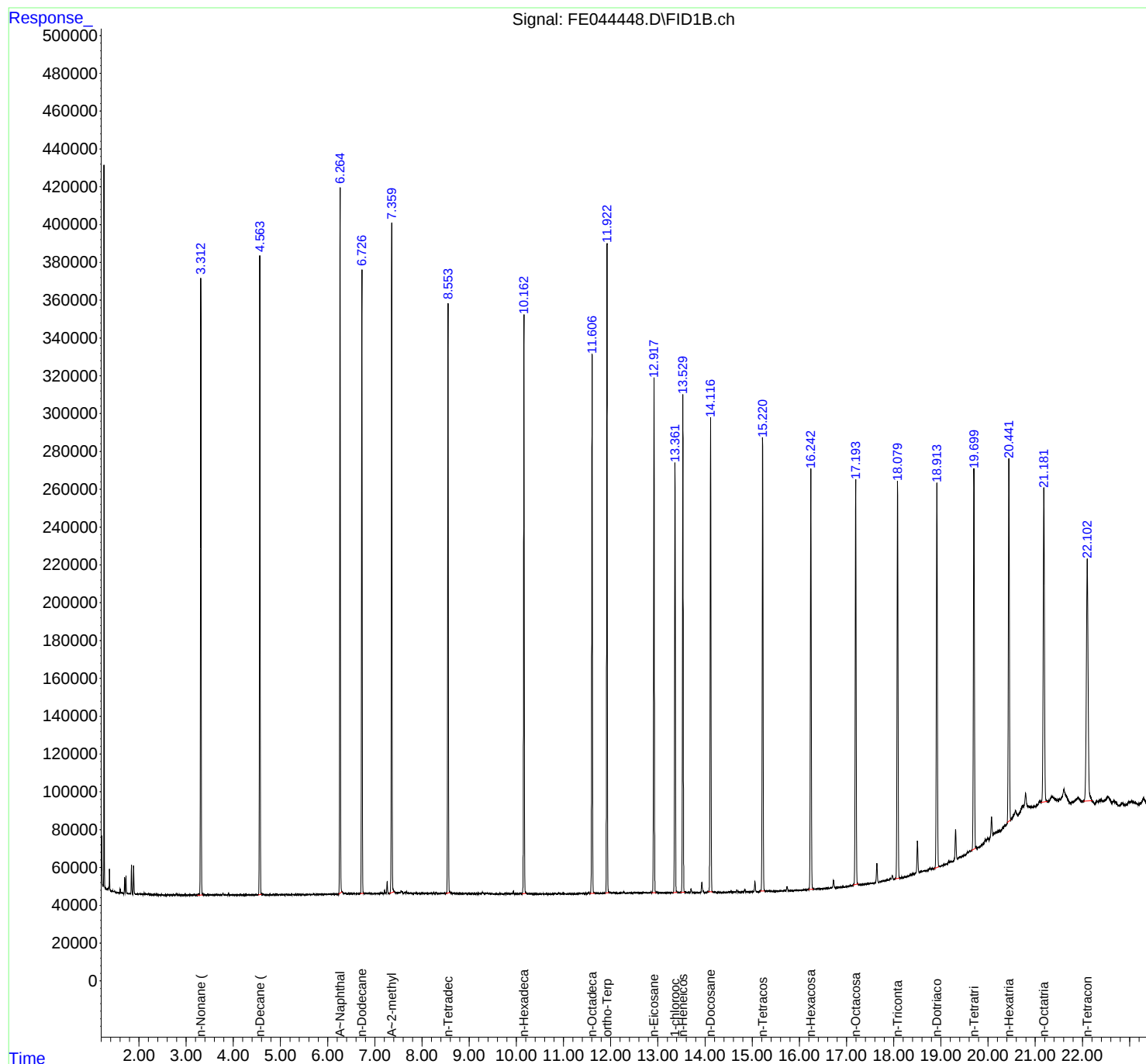
Instrument :
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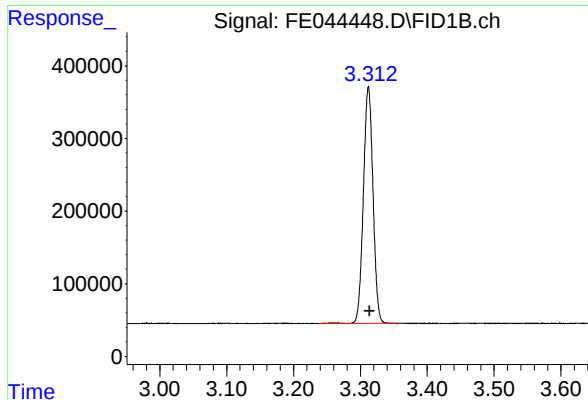
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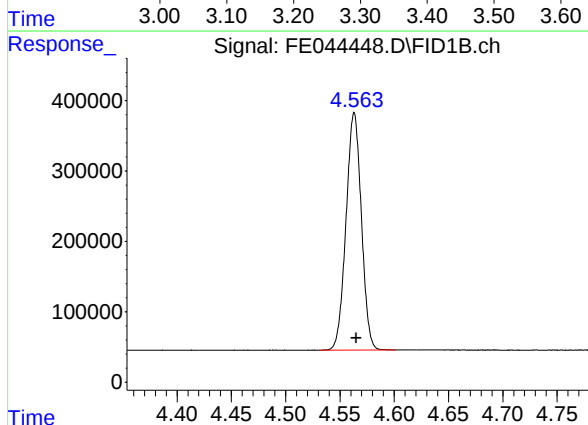
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: -0.002 min
Response: 3260161
Conc: 20.08 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

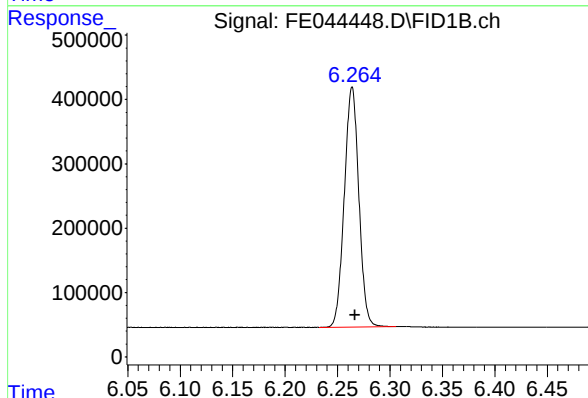
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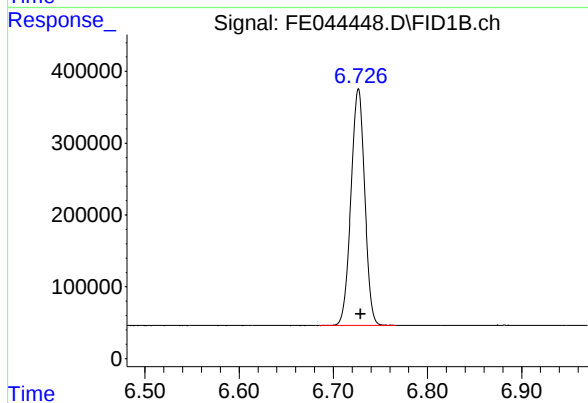
#2 n-Decane (C10)

R.T.: 4.563 min
Delta R.T.: -0.002 min
Response: 3319167
Conc: 20.04 ug/ml



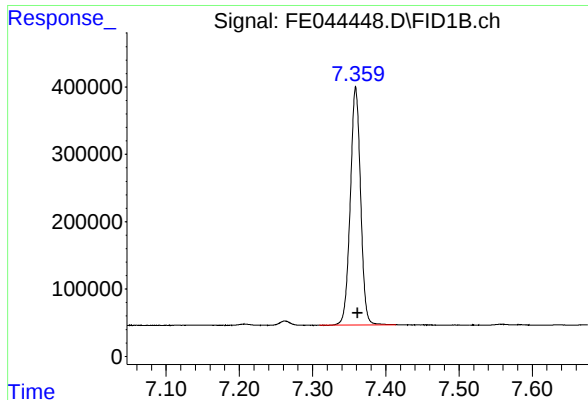
#3 A~Naphthalene (C11.7)

R.T.: 6.264 min
Delta R.T.: -0.003 min
Response: 3595872
Conc: 20.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.727 min
Delta R.T.: -0.002 min
Response: 3337825
Conc: 20.07 ug/ml



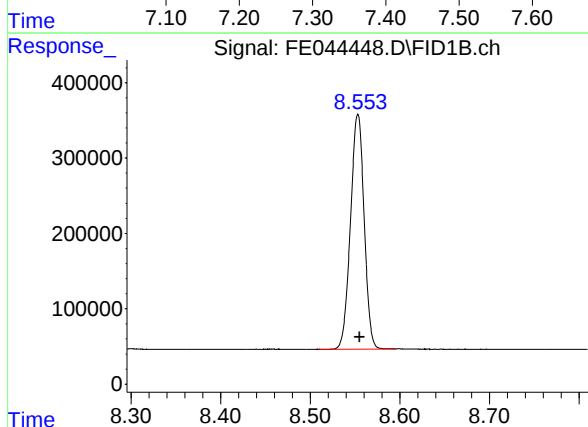
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.359 min
Delta R.T.: -0.003 min
Response: 3452159
Conc: 20.18 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

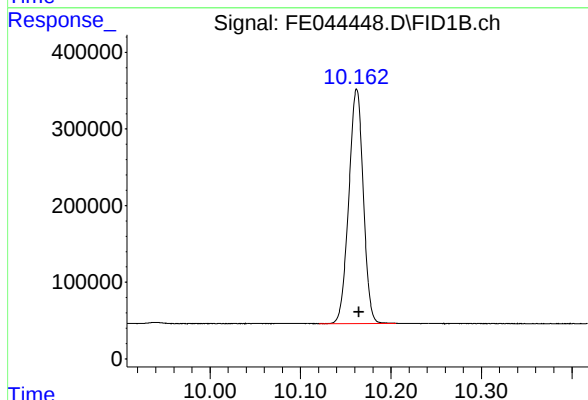
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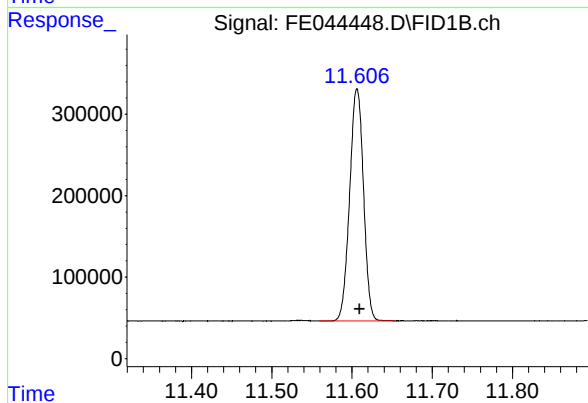
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.002 min
Response: 3297277
Conc: 20.08 ug/ml



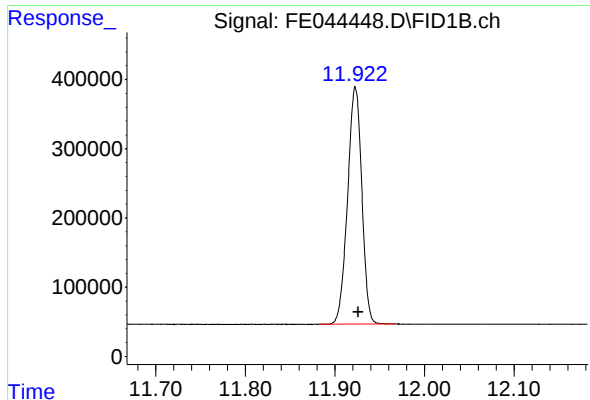
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.002 min
Response: 3402577
Conc: 20.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min
Delta R.T.: -0.003 min
Response: 3415446
Conc: 20.12 ug/ml



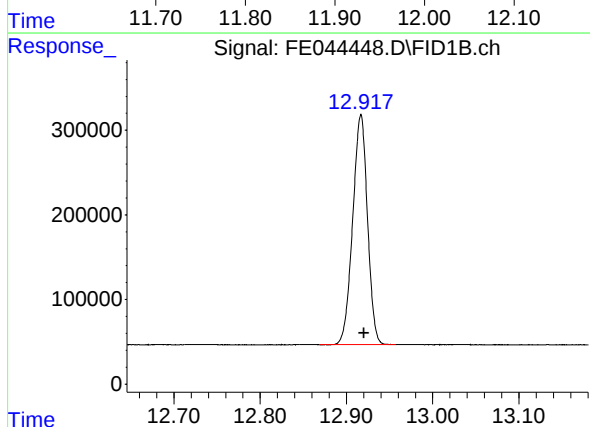
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.003 min
Response: 3785558
Conc: 20.16 ug/ml

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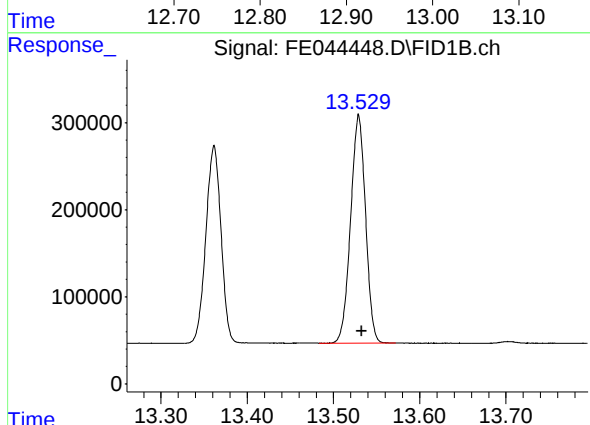
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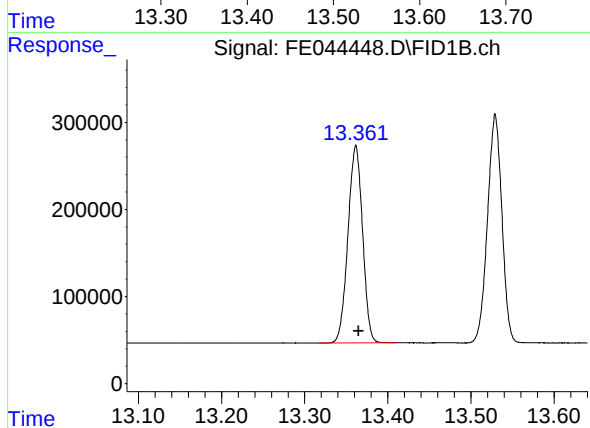
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.003 min
Response: 3238095
Conc: 20.13 ug/ml



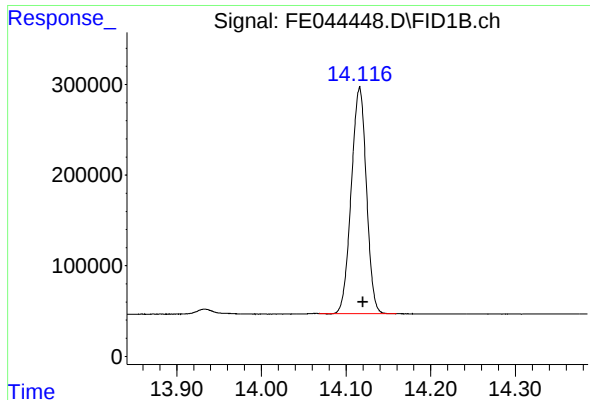
#11 n-Heneicosane (C21)

R.T.: 13.529 min
Delta R.T.: -0.003 min
Response: 3151323
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.003 min
Response: 2763516
Conc: 20.31 ug/ml



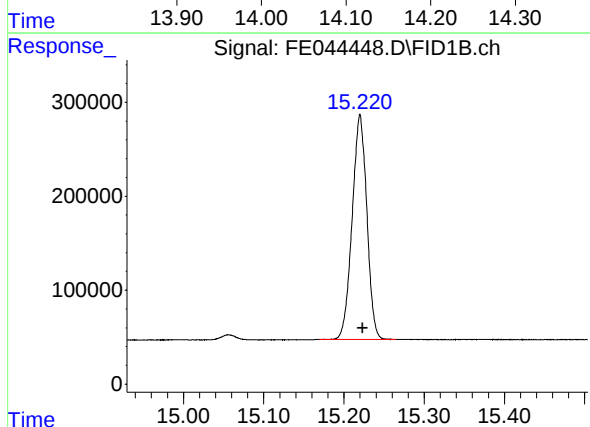
#13 n-Docosane (C22)

R.T.: 14.116 min
Delta R.T.: -0.004 min
Response: 3099984
Conc: 20.10 ug/ml

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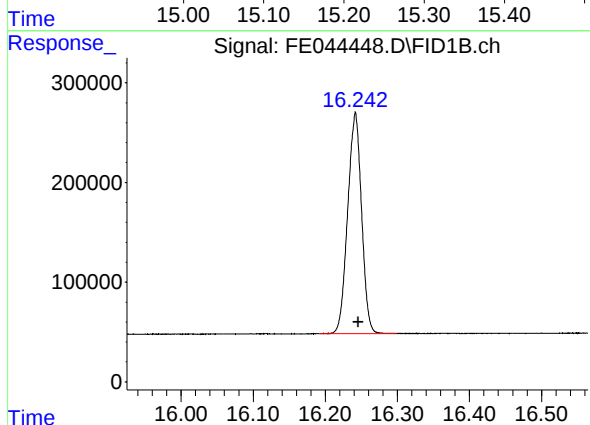
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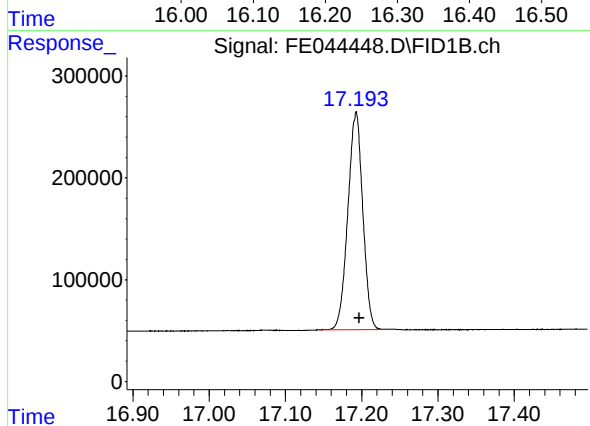
#14 n-Tetracosane (C24)

R.T.: 15.220 min
Delta R.T.: -0.003 min
Response: 3043221
Conc: 20.13 ug/ml



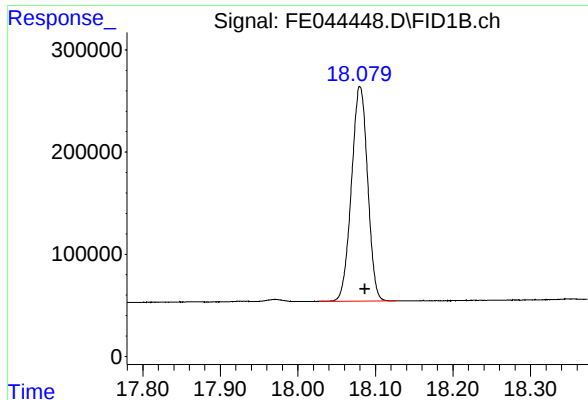
#15 n-Hexacosane (C26)

R.T.: 16.242 min
Delta R.T.: -0.004 min
Response: 2966891
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: -0.004 min
Response: 2903145
Conc: 20.24 ug/ml



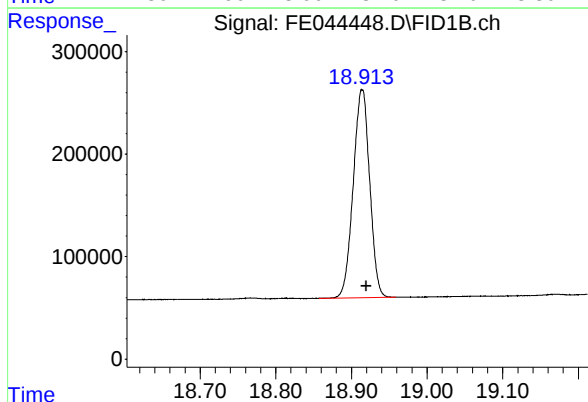
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: -0.006 min
Response: 3041934
Conc: 20.52 ug/ml

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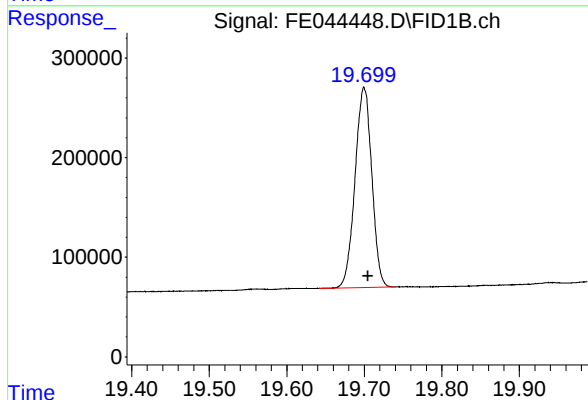
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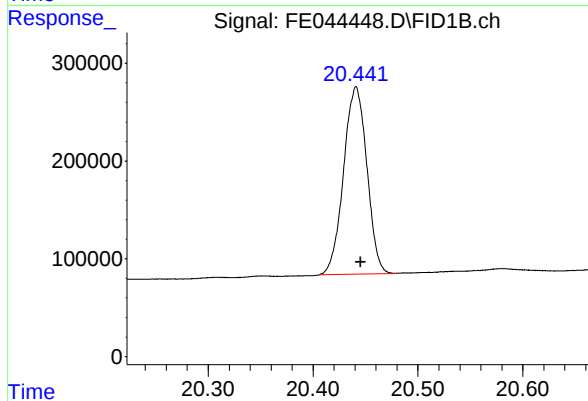
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: -0.006 min
Response: 3070089
Conc: 20.74 ug/ml



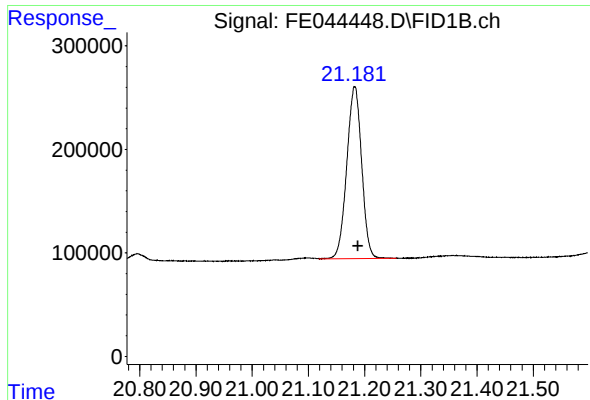
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.005 min
Response: 3017702
Conc: 20.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min
Delta R.T.: -0.004 min
Response: 2958534
Conc: 20.40 ug/ml



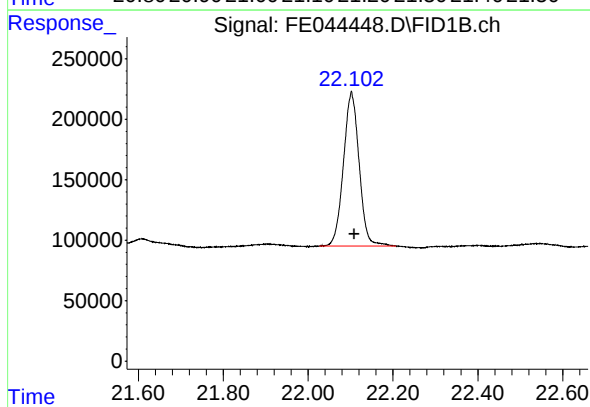
#21 n-Octatriacontane (C38)

R.T.: 21.181 min
Delta R.T.: -0.007 min
Response: 3051972
Conc: 20.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.102 min
Delta R.T.: -0.007 min
Response: 3264110
Conc: 20.68 ug/ml m