

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080524AL\
 Data File : FE049465.D
 Signal(s) : FID1B.ch
 Acq On : 05 Aug 2024 22:30
 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 08/06/2024
 Supervised By :Ankita Jodhani 08/06/2024

Integration File: autoint1.e
 Quant Time: Aug 06 02:04:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.893	3040387	19.602 ug/ml
Spiked Amount 50.000		Recovery =	39.20%
12) S 1-chlorooctadecane (S...	13.327	2305064	19.729 ug/ml
Spiked Amount 50.000		Recovery =	39.46%
Target Compounds			
1) T n-Nonane (C9)	3.282	2866379	19.060 ug/ml
2) T n-Decane (C10)	4.532	2962775	19.182 ug/ml
3) T A~Naphthalene (C11.7)	6.238	3022353	19.399 ug/ml
4) T n-Dodecane (C12)	6.699	2967005	19.269 ug/ml
5) T A~2-methylnaphthalene...	7.334	2814966	19.343 ug/mlm
6) T n-Tetradecane (C14)	8.527	2948089	19.424 ug/ml
7) T n-Hexadecane (C16)	10.133	2953224	19.473 ug/ml
8) T n-Octadecane (C18)	11.575	2961313	19.504 ug/ml
10) T n-Eicosane (C20)	12.883	2808926	19.425 ug/ml
11) T n-Heneicosane (C21)	13.494	2756229	19.436 ug/ml
13) T n-Docosane (C22)	14.079	2743159	19.525 ug/ml
14) T n-Tetracosane (C24)	15.181	2752178	19.637 ug/ml
15) T n-Hexacosane (C26)	16.201	2739476	19.537 ug/ml
16) T n-Octacosane (C28)	17.150	2730785	19.510 ug/ml
17) T n-Tricontane (C30)	18.037	2821668	19.343 ug/ml
18) T n-Dotriacontane (C32)	18.867	2828804	19.239 ug/ml
19) T n-Tetratriacontane (C34)	19.650	2851601	19.522 ug/ml
20) T n-Hexatriacontane (C36)	20.390	2886869	20.026 ug/ml
21) T n-Octatriacontane (C38)	21.119	2934796	19.606 ug/ml
22) T n-Tetracontane (C40)	22.014	2917073	19.331 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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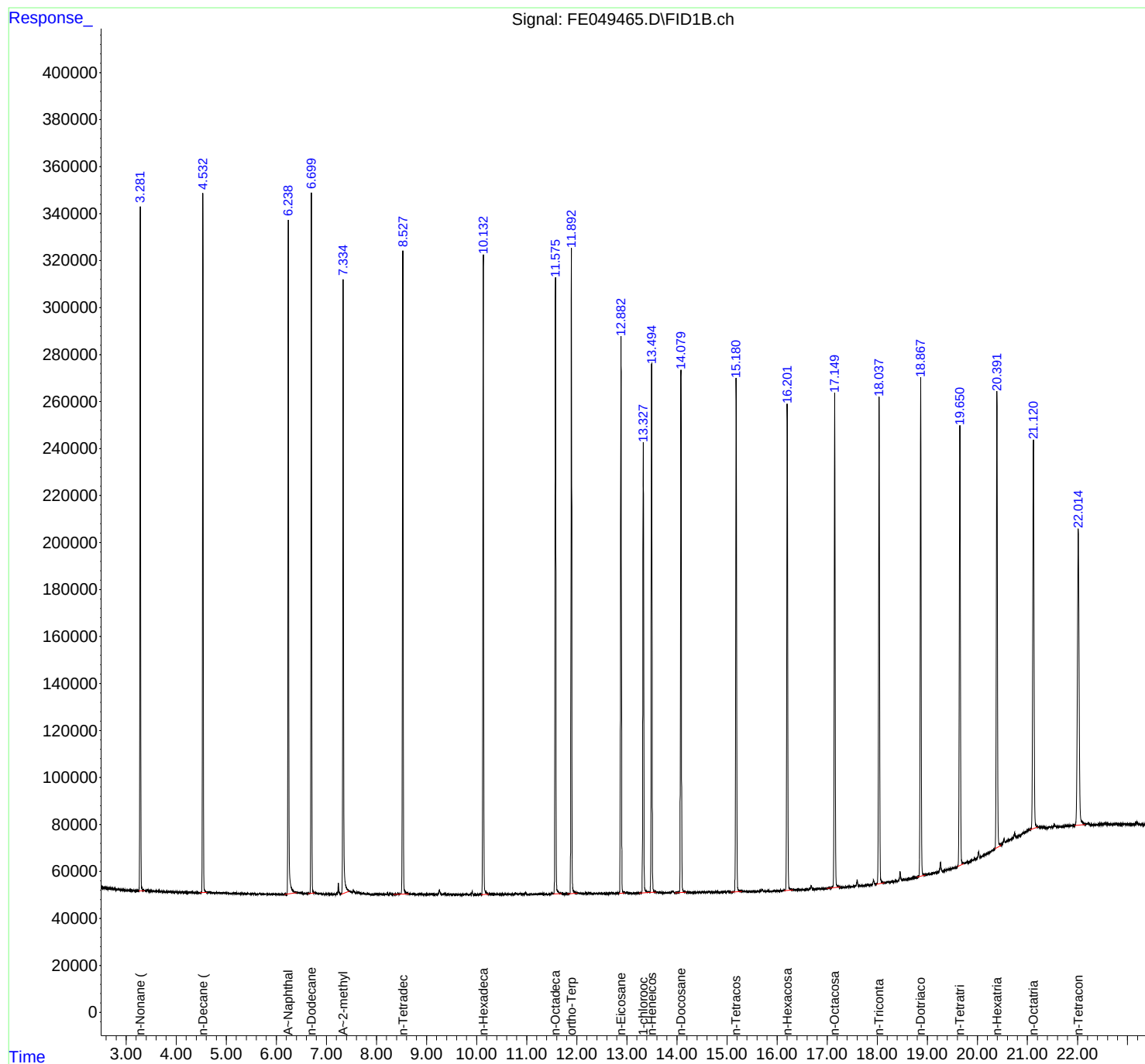
Instrument :
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20 PPM ALIPHATIC HC STD

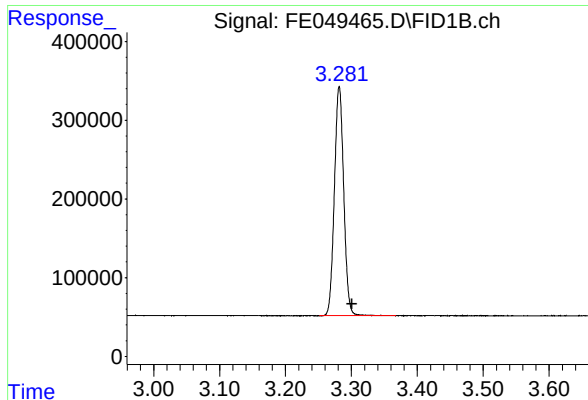
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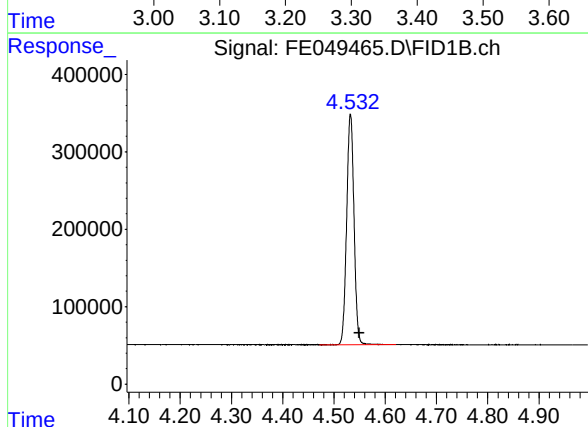
#1 n-Nonane (C9)

R.T.: 3.282 min
Delta R.T.: -0.019 min
Response: 2866379
Conc: 19.06 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

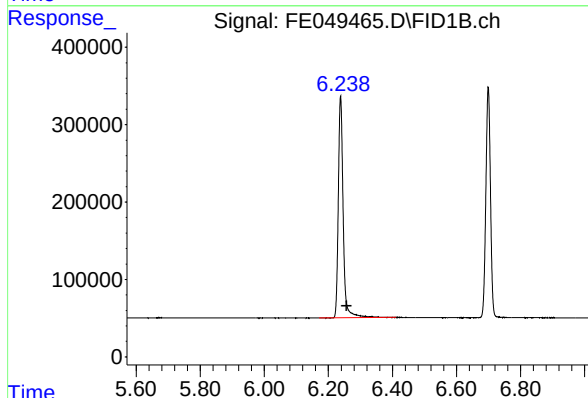
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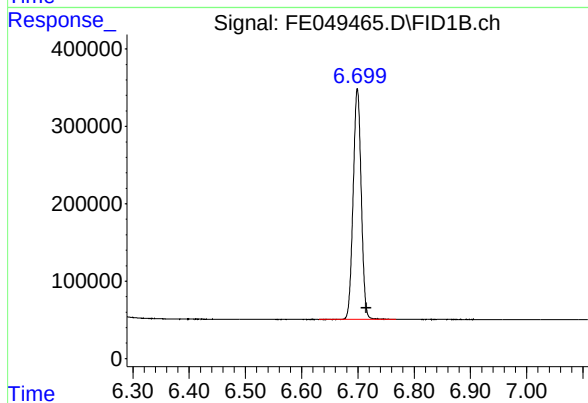
#2 n-Decane (C10)

R.T.: 4.532 min
Delta R.T.: -0.018 min
Response: 2962775
Conc: 19.18 ug/ml



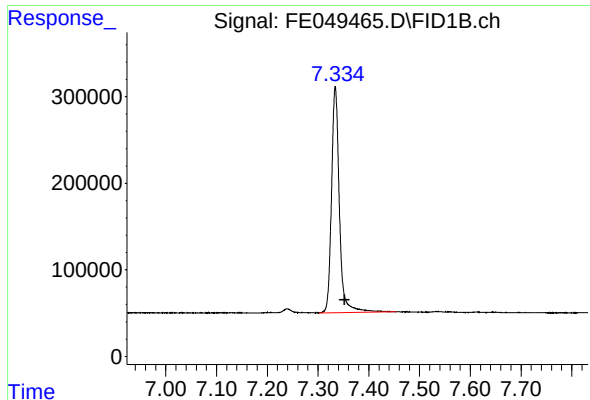
#3 A~Naphthalene (C11.7)

R.T.: 6.238 min
Delta R.T.: -0.018 min
Response: 3022353
Conc: 19.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.699 min
Delta R.T.: -0.016 min
Response: 2967005
Conc: 19.27 ug/ml



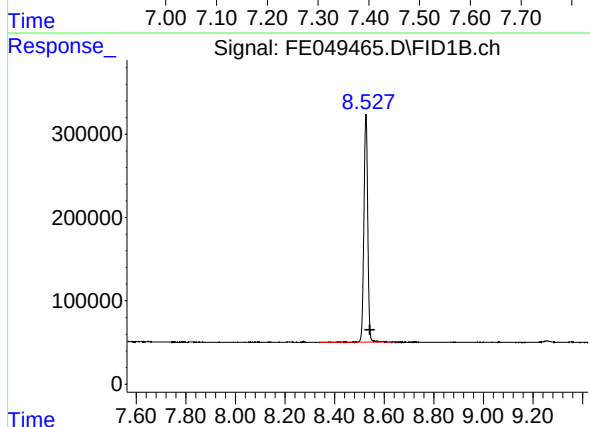
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.019 min
Response: 2814966
Conc: 19.34 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

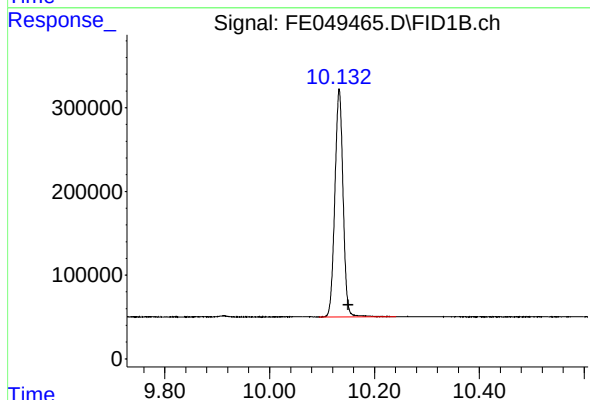
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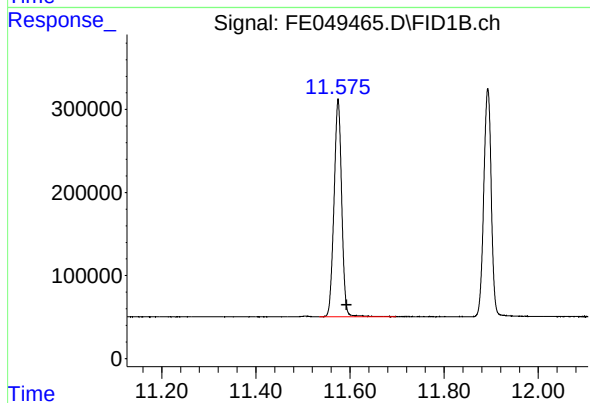
#6 n-Tetradecane (C14)

R.T.: 8.527 min
Delta R.T.: -0.017 min
Response: 2948089
Conc: 19.42 ug/ml



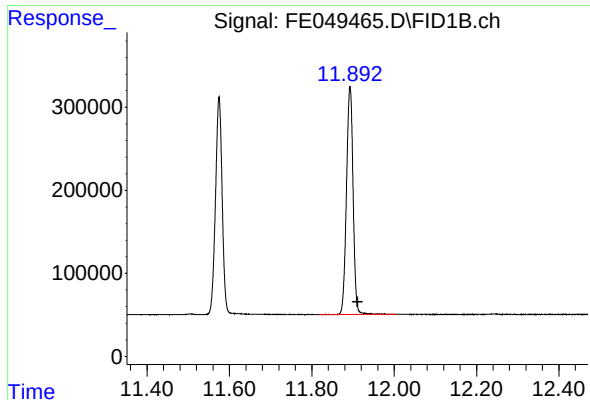
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: -0.017 min
Response: 2953224
Conc: 19.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.018 min
Response: 2961313
Conc: 19.50 ug/ml



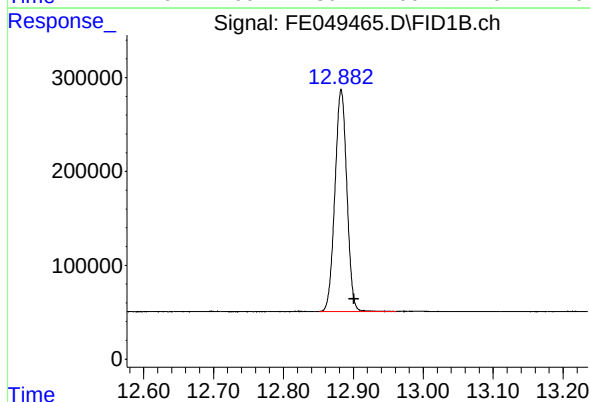
#9 ortho-Terphenyl (SURR)

R.T.: 11.893 min
Delta R.T.: -0.018 min
Response: 3040387
Conc: 19.60 ug/ml

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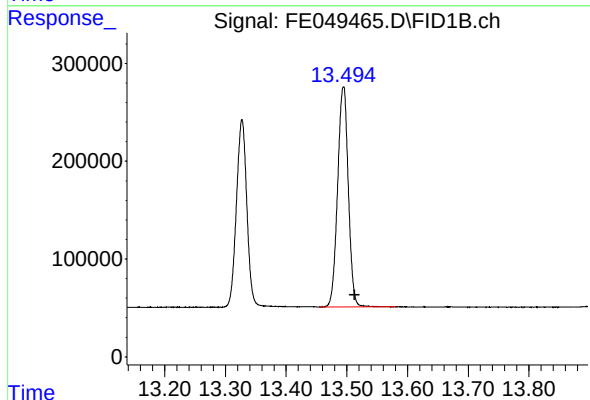
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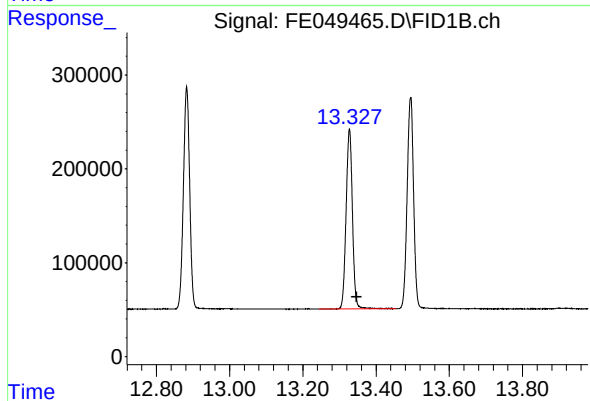
#10 n-Eicosane (C20)

R.T.: 12.883 min
Delta R.T.: -0.018 min
Response: 2808926
Conc: 19.42 ug/ml



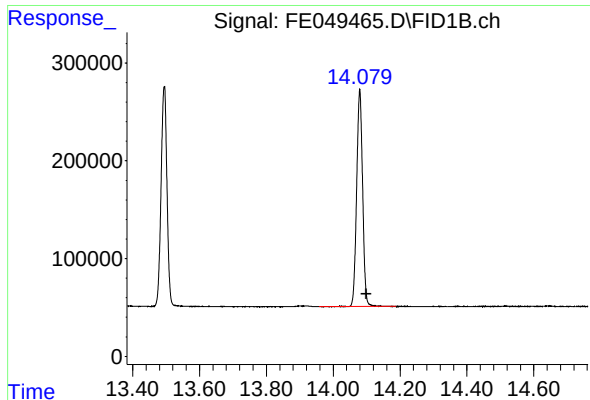
#11 n-Heneicosane (C21)

R.T.: 13.494 min
Delta R.T.: -0.019 min
Response: 2756229
Conc: 19.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.327 min
Delta R.T.: -0.019 min
Response: 2305064
Conc: 19.73 ug/ml



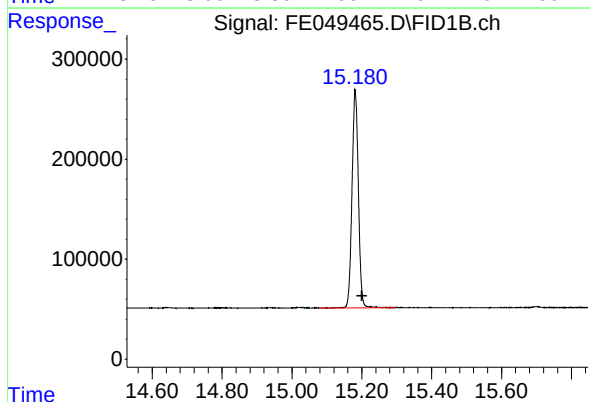
#13 n-Docosane (C22)

R.T.: 14.079 min
Delta R.T.: -0.020 min
Response: 2743159
Conc: 19.53 ug/ml

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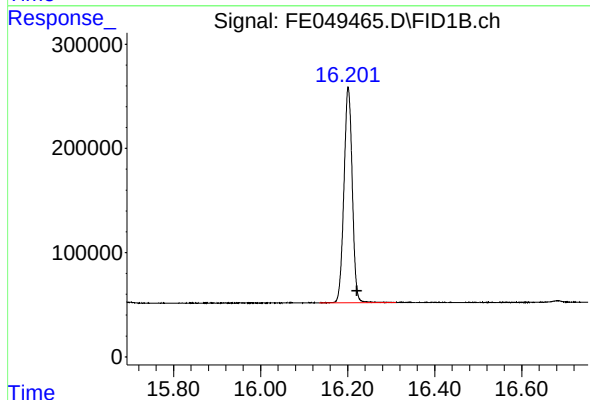
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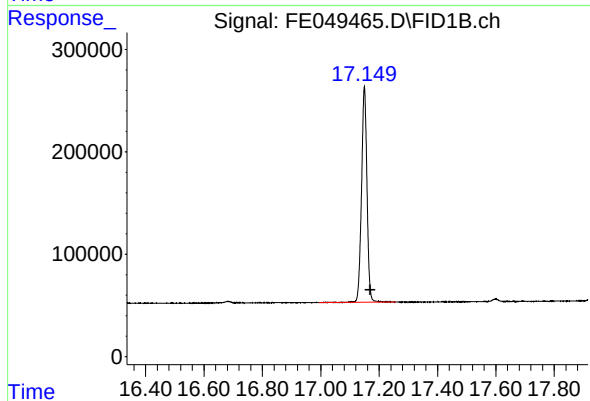
#14 n-Tetracosane (C24)

R.T.: 15.181 min
Delta R.T.: -0.019 min
Response: 2752178
Conc: 19.64 ug/ml



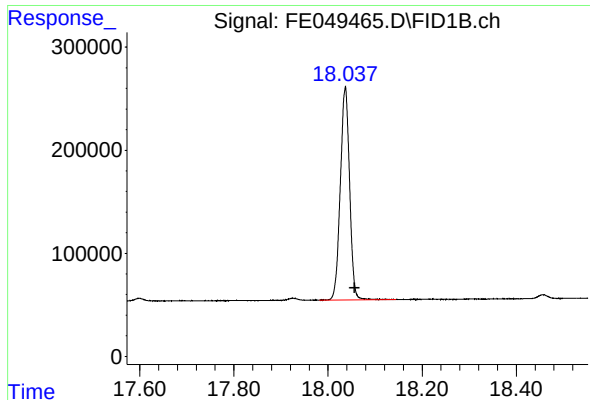
#15 n-Hexacosane (C26)

R.T.: 16.201 min
Delta R.T.: -0.019 min
Response: 2739476
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 2730785
Conc: 19.51 ug/ml



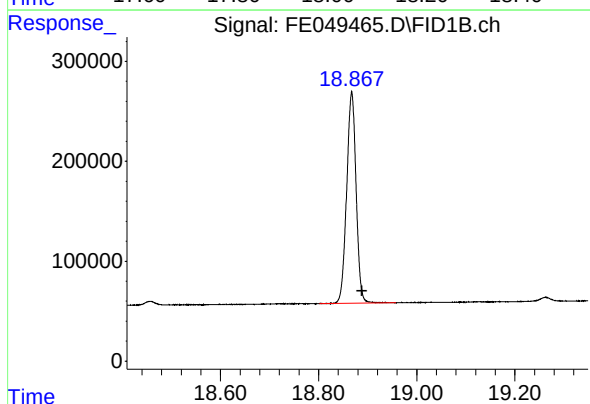
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.020 min
Response: 2821668
Conc: 19.34 ug/ml

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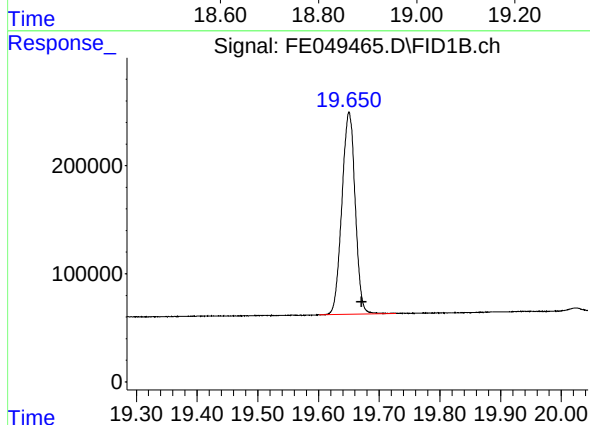
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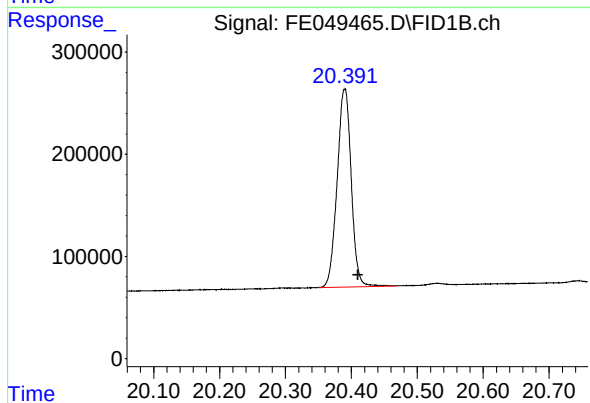
#18 n-Dotriacontane (C32)

R.T.: 18.867 min
Delta R.T.: -0.021 min
Response: 2828804
Conc: 19.24 ug/ml



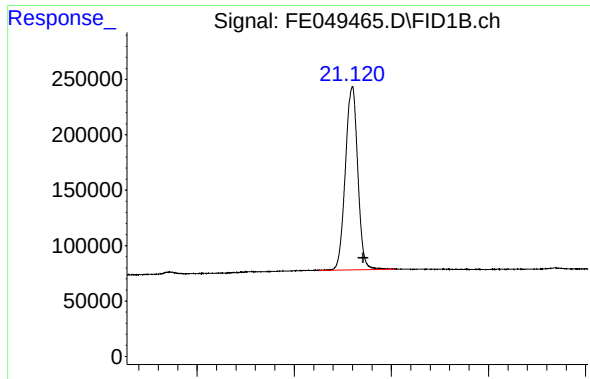
#19 n-Tetratriacontane (C34)

R.T.: 19.650 min
Delta R.T.: -0.021 min
Response: 2851601
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.390 min
Delta R.T.: -0.021 min
Response: 2886869
Conc: 20.03 ug/ml



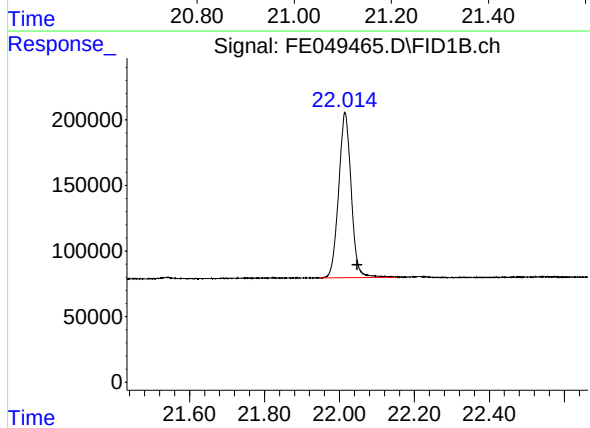
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: -0.023 min
Response: 2934796
Conc: 19.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.014 min
Delta R.T.: -0.033 min
Response: 2917073
Conc: 19.33 ug/ml m