

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121422AL\
 Data File : FE039296.D
 Signal(s) : FID1B.ch
 Acq On : 14 Dec 2022 10:08
 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 12/15/2022
 Supervised By :Ankita Jodhani 12/15/2022

Integration File: autoint1.e
 Quant Time: Dec 14 16:40:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.943	3172681	20.281 ug/ml
Spiked Amount 50.000		Recovery =	40.56%
12) S 1-chlorooctadecane (S...	13.377	2441240	20.219 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
Target Compounds			
1) T n-Nonane (C9)	3.334	2726900	19.238 ug/ml
2) T n-Decane (C10)	4.584	2676021	19.200 ug/ml
3) T A~Naphthalene (C11.7)	6.288	3070748	19.306 ug/ml
4) T n-Dodecane (C12)	6.748	2729893	19.367 ug/ml
5) T A~2-methylnaphthalene...	7.383	2892654	19.327 ug/ml
6) T n-Tetradecane (C14)	8.574	2798727	19.596 ug/ml
7) T n-Hexadecane (C16)	10.181	2908683	19.894 ug/ml
8) T n-Octadecane (C18)	11.624	2964476	20.146 ug/ml
10) T n-Eicosane (C20)	12.933	2888063	20.344 ug/ml
11) T n-Heneicosane (C21)	13.545	2879622	20.265 ug/ml
13) T n-Docosane (C22)	14.131	2854093	20.417 ug/ml
14) T n-Tetracosane (C24)	15.234	2814057	20.376 ug/ml
15) T n-Hexacosane (C26)	16.256	2738185	20.386 ug/ml
16) T n-Octacosane (C28)	17.205	2696974	20.309 ug/ml
17) T n-Tricontane (C30)	18.093	2685368	20.334 ug/ml
18) T n-Dotriacontane (C32)	18.927	2678445	20.083 ug/ml
19) T n-Tetratriacontane (C34)	19.710	2607998	19.709 ug/ml
20) T n-Hexatriacontane (C36)	20.451	2539198	19.765 ug/ml
21) T n-Octatriacontane (C38)	21.192	2506609	19.129 ug/ml
22) T n-Tetracontane (C40)	22.109	2509513	18.430 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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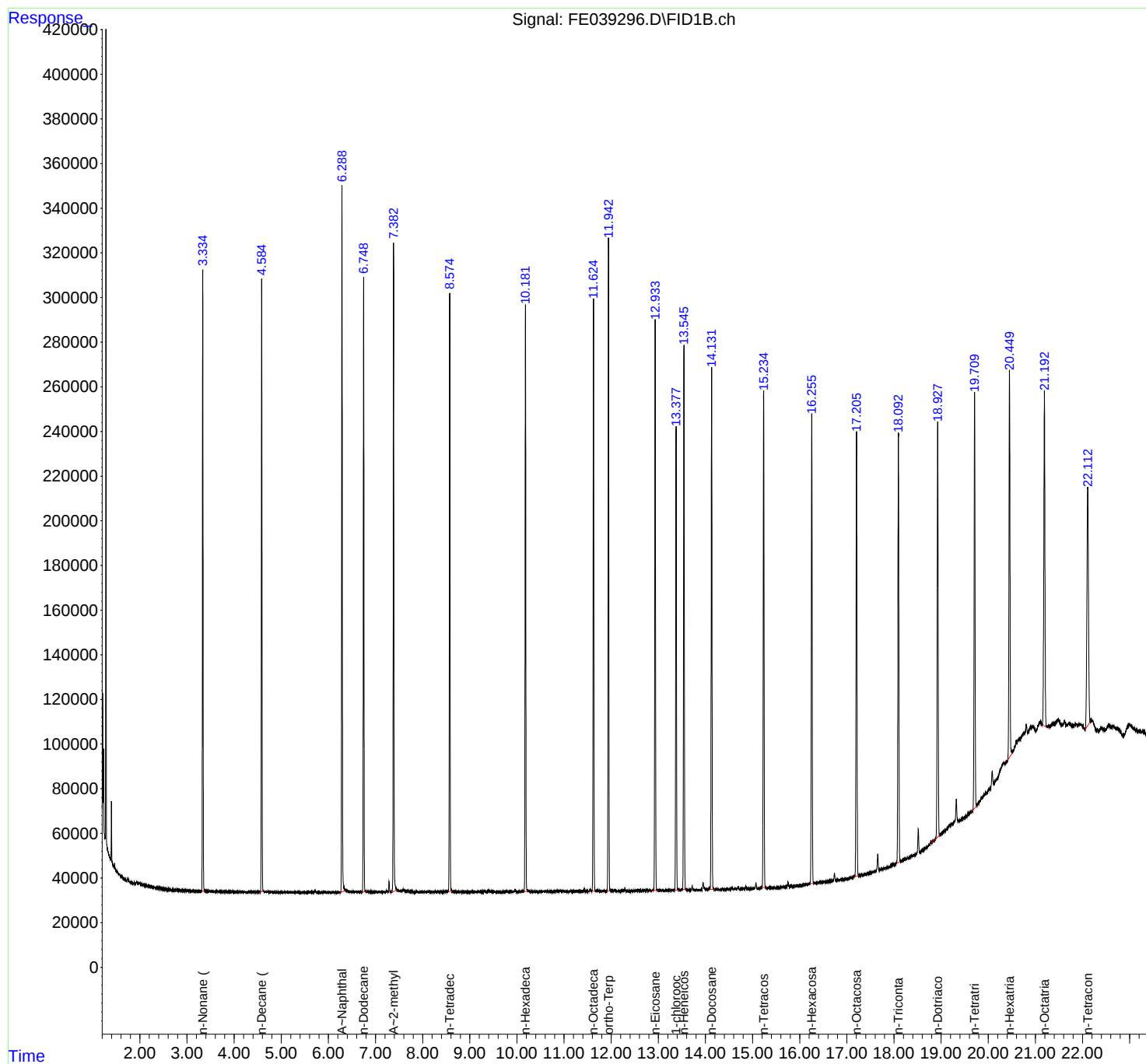
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20 PPM ALIPHATIC HC STD

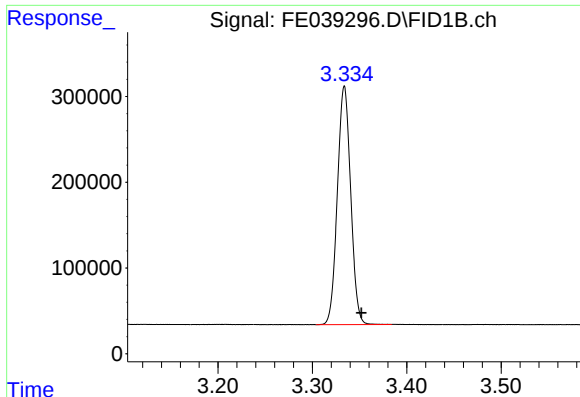
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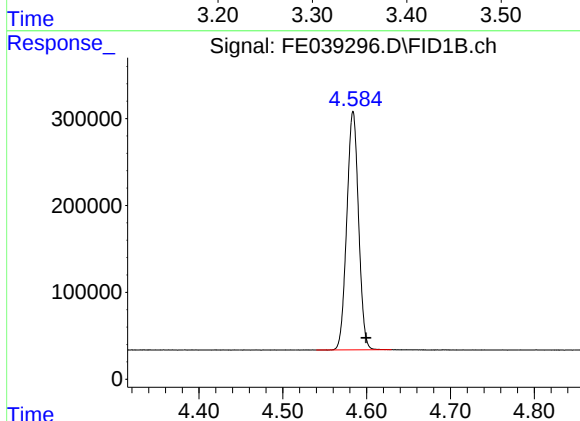
#1 n-Nonane (C9)

R.T.: 3.334 min
Delta R.T.: -0.018 min
Response: 2726900
Conc: 19.24 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

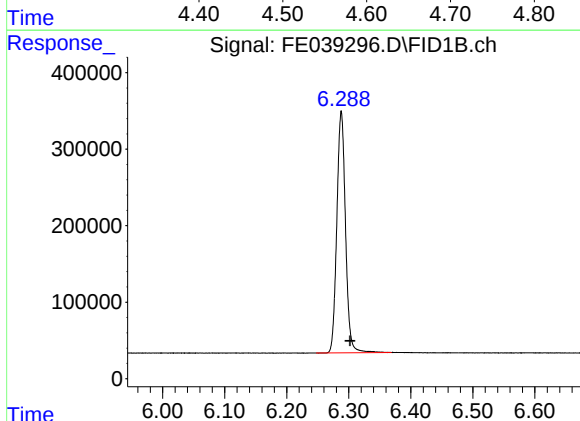
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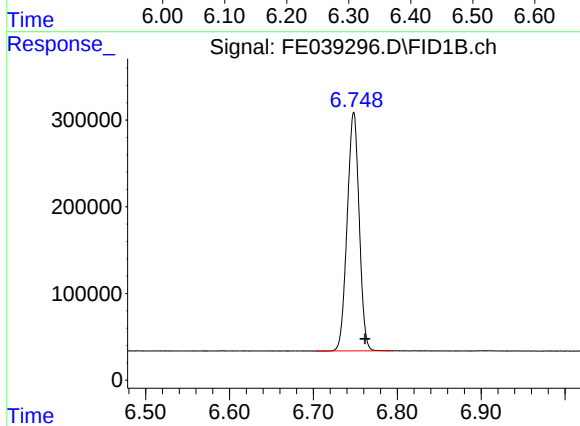
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: -0.016 min
Response: 2676021
Conc: 19.20 ug/ml



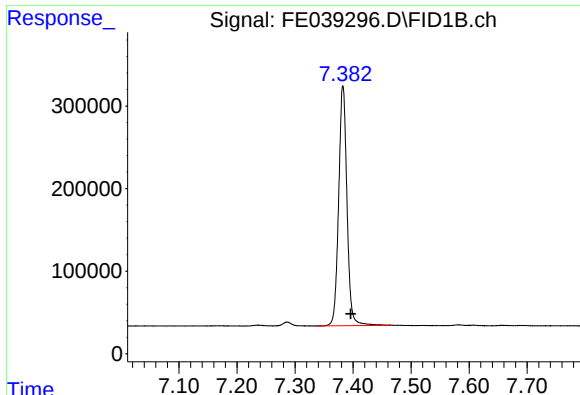
#3 A~Naphthalene (C11.7)

R.T.: 6.288 min
Delta R.T.: -0.014 min
Response: 3070748
Conc: 19.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.748 min
Delta R.T.: -0.013 min
Response: 2729893
Conc: 19.37 ug/ml



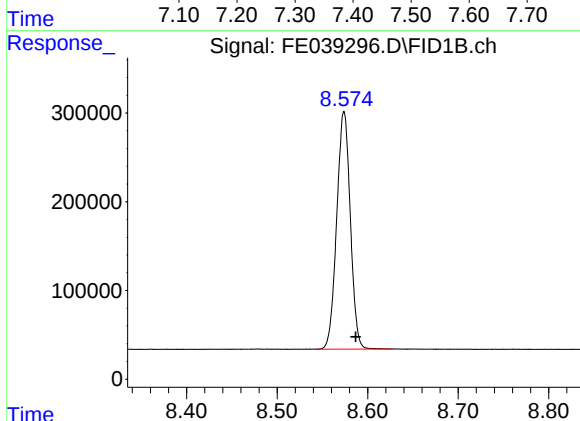
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.013 min
Response: 2892654
Conc: 19.33 ug/ml

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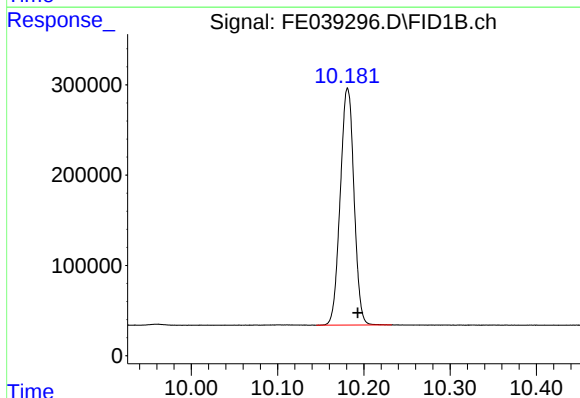
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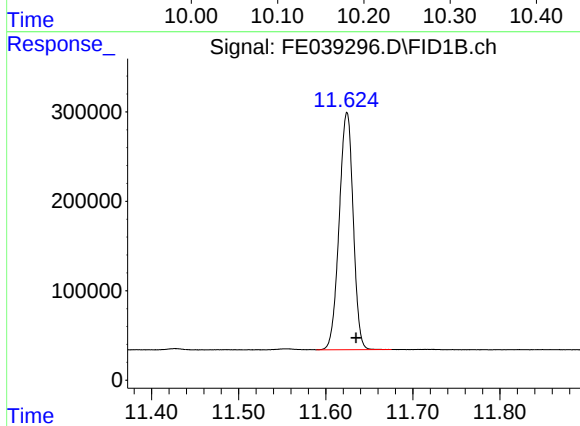
#6 n-Tetradecane (C14)

R.T.: 8.574 min
Delta R.T.: -0.013 min
Response: 2798727
Conc: 19.60 ug/ml



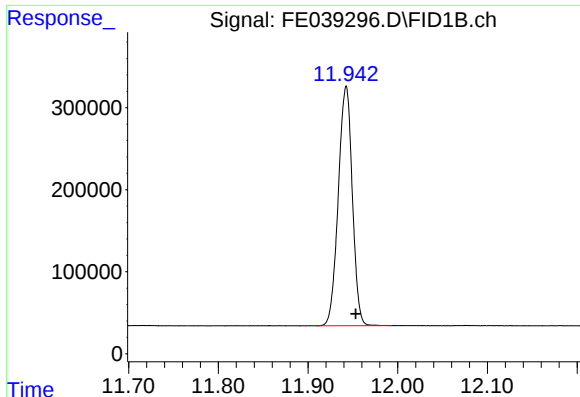
#7 n-Hexadecane (C16)

R.T.: 10.181 min
Delta R.T.: -0.012 min
Response: 2908683
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.010 min
Response: 2964476
Conc: 20.15 ug/ml



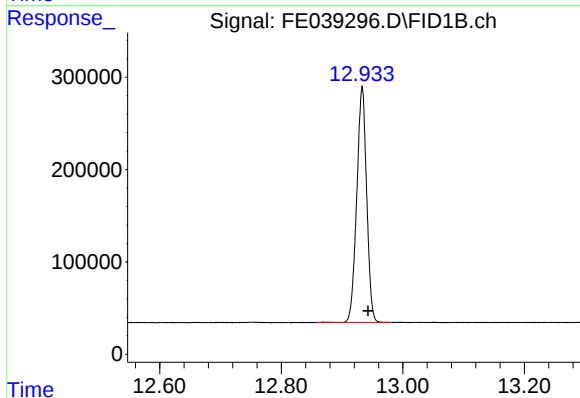
#9 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.011 min
Response: 3172681
Conc: 20.28 ug/ml

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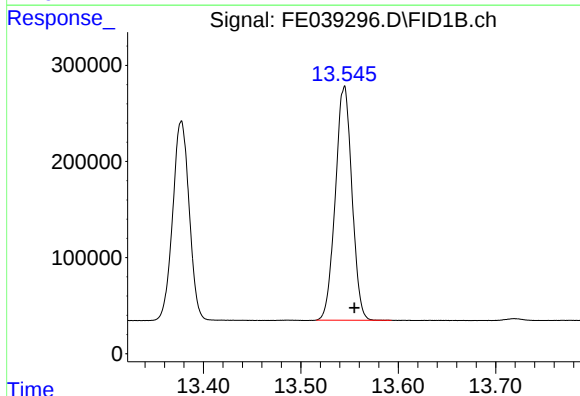
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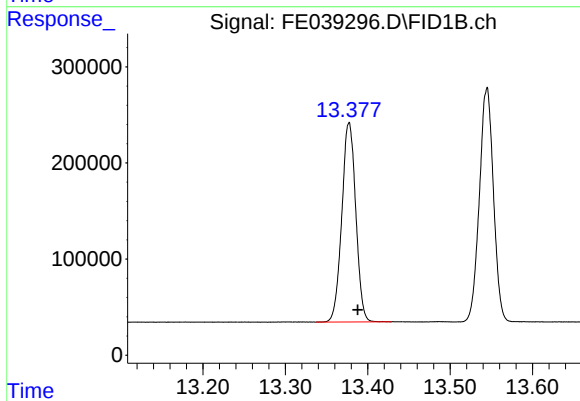
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.010 min
Response: 2888063
Conc: 20.34 ug/ml



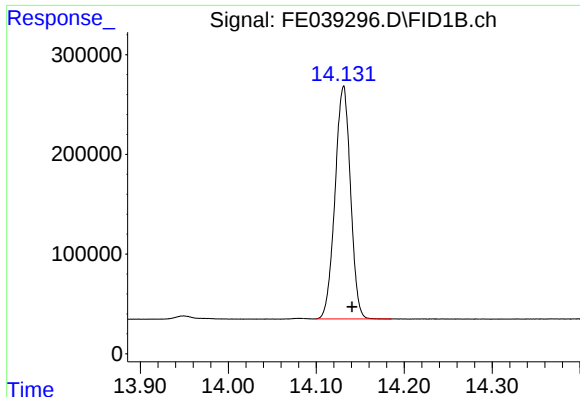
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.010 min
Response: 2879622
Conc: 20.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.011 min
Response: 2441240
Conc: 20.22 ug/ml



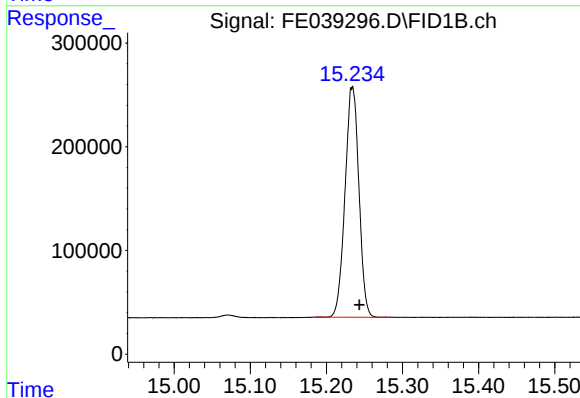
#13 n-Docosane (C22)

R.T.: 14.131 min
Delta R.T.: -0.010 min
Response: 2854093
Conc: 20.42 ug/ml

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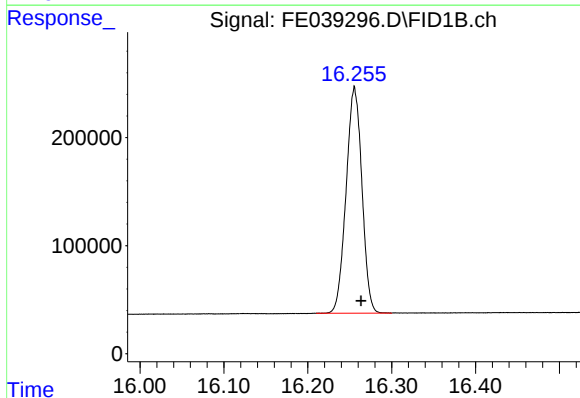
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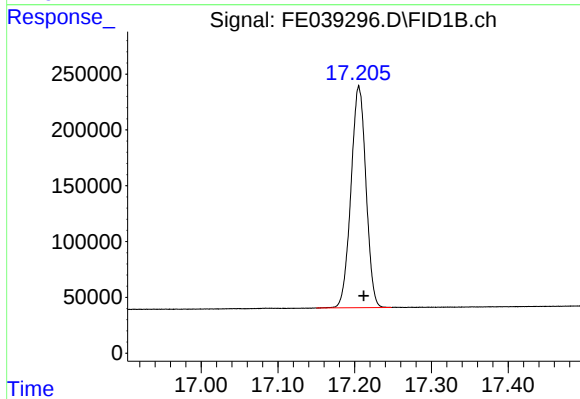
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: -0.009 min
Response: 2814057
Conc: 20.38 ug/ml



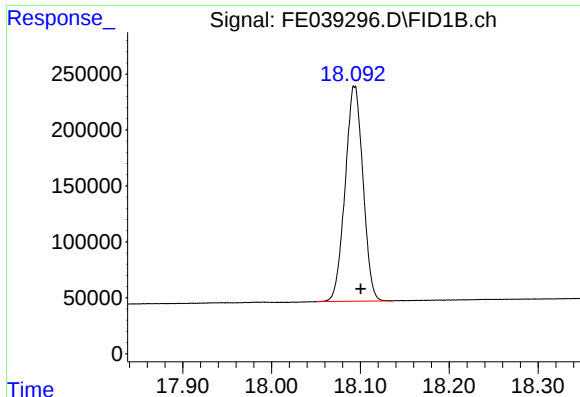
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: -0.008 min
Response: 2738185
Conc: 20.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: -0.006 min
Response: 2696974
Conc: 20.31 ug/ml



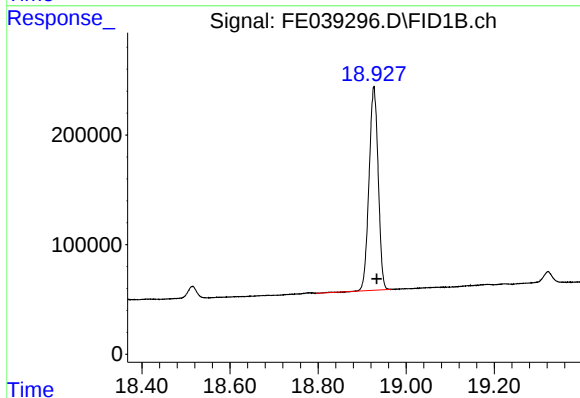
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.007 min
Response: 2685368
Conc: 20.33 ug/ml

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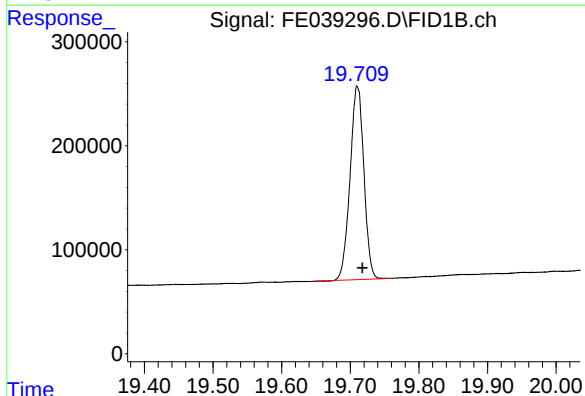
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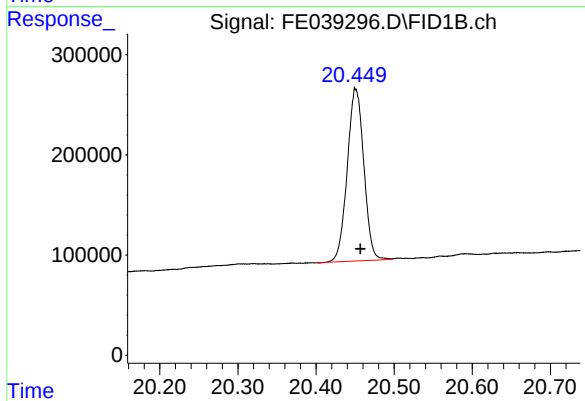
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.007 min
Response: 2678445
Conc: 20.08 ug/ml



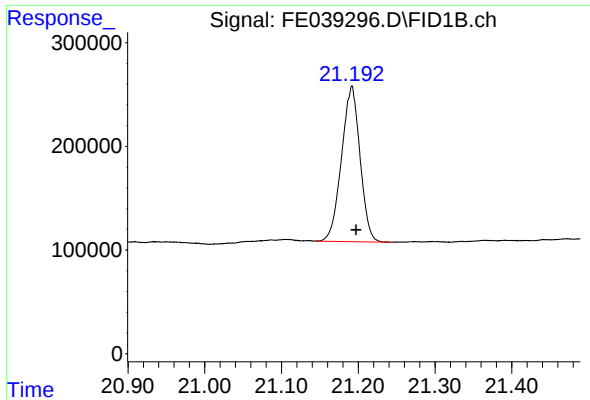
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.007 min
Response: 2607998
Conc: 19.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.006 min
Response: 2539198
Conc: 19.76 ug/ml



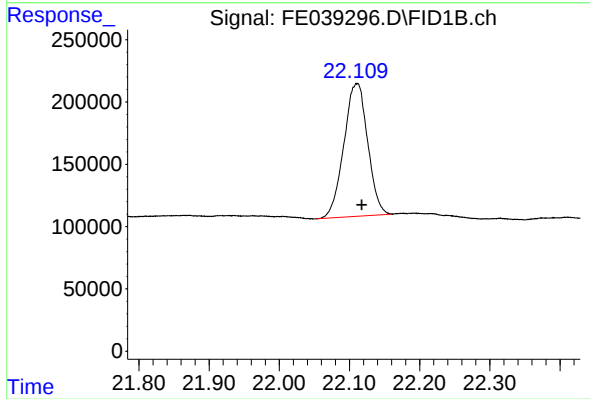
#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: -0.005 min
Response: 2506609
Conc: 19.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: -0.008 min
Response: 2509513
Conc: 18.43 ug/ml m