

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
 Data File : FE050932.D
 Signal(s) : FID1B.ch
 Acq On : 31 Oct 2024 09:00
 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 11/01/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 09:30:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.856	3182246	20.185 ug/ml
Spiked Amount 50.000		Recovery =	40.37%
12) S 1-chlorooctadecane (S...	13.289	2463537	20.826 ug/ml
Spiked Amount 50.000		Recovery =	41.65%
Target Compounds			
1) T n-Nonane (C9)	3.245	2807276	19.869 ug/ml
2) T n-Decane (C10)	4.495	2905239	20.249 ug/ml
3) T A~Naphthalene (C11.7)	6.207	2848724	19.922 ug/ml
4) T n-Dodecane (C12)	6.662	2943495	20.450 ug/ml
5) T A~2-methylnaphthalene...	7.302	2621093	19.785 ug/ml
6) T n-Tetradecane (C14)	8.489	2925001	20.445 ug/ml
7) T n-Hexadecane (C16)	10.094	3042175	20.671 ug/ml
8) T n-Octadecane (C18)	11.535	3081986	20.633 ug/ml
10) T n-Eicosane (C20)	12.842	2962018	20.656 ug/ml
11) T n-Heneicosane (C21)	13.453	2904408	20.682 ug/ml
13) T n-Docosane (C22)	14.038	2899866	20.670 ug/mlm
14) T n-Tetracosane (C24)	15.140	2885921	20.427 ug/ml
15) T n-Hexacosane (C26)	16.159	2922801	20.771 ug/ml
16) T n-Octacosane (C28)	17.108	3156059	21.568 ug/ml
17) T n-Tricontane (C30)	17.995	3614427	22.732 ug/ml
18) T n-Dotriacontane (C32)	18.826	3817650	23.549 ug/ml
19) T n-Tetratriacontane (C34)	19.609	3411096	23.222 ug/ml
20) T n-Hexatriacontane (C36)	20.347	2859936	22.552 ug/mlm
21) T n-Octatriacontane (C38)	21.072	2518045	20.365 ug/ml
22) T n-Tetracontane (C40)	21.955	2100786	18.866 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

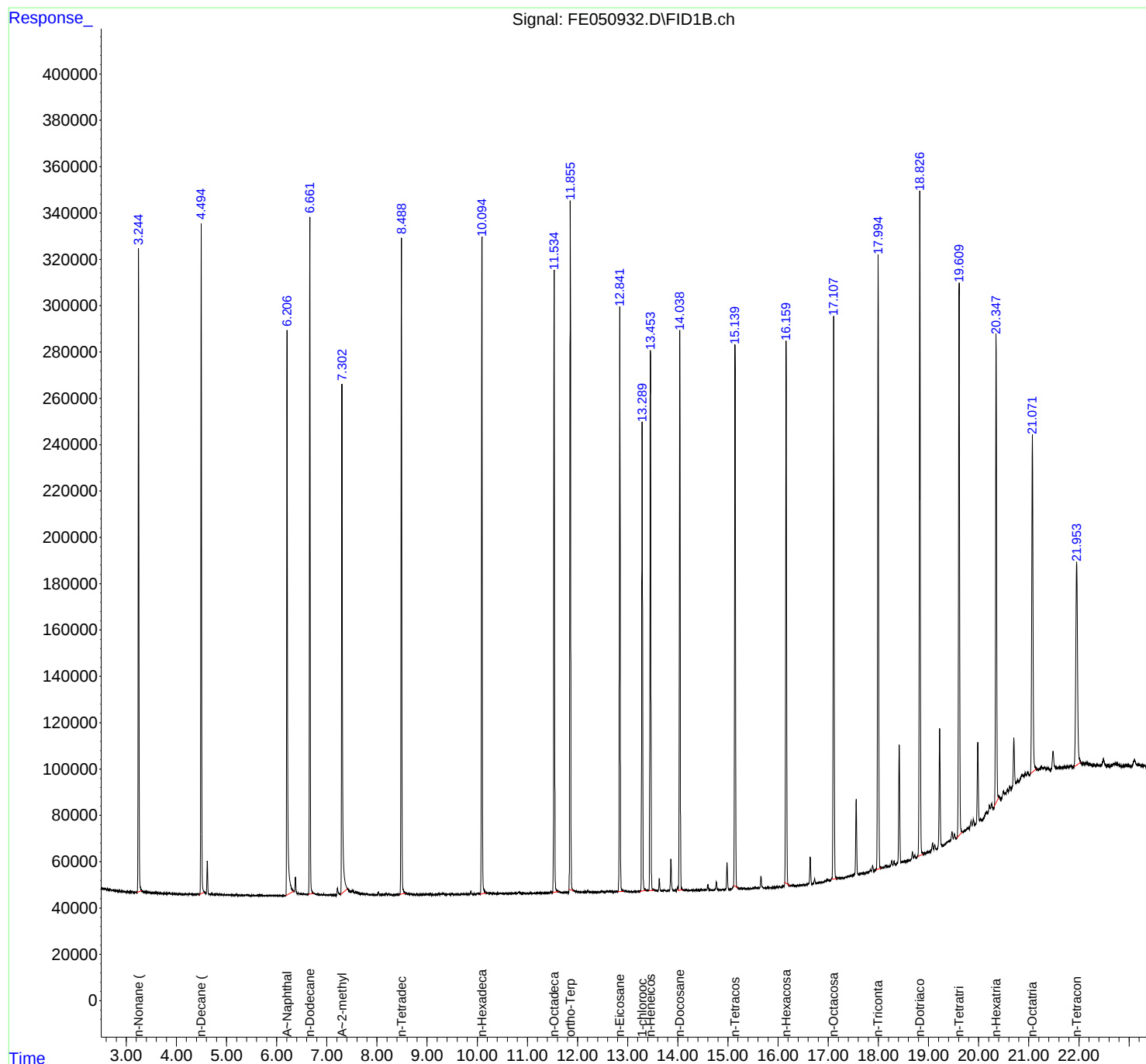
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

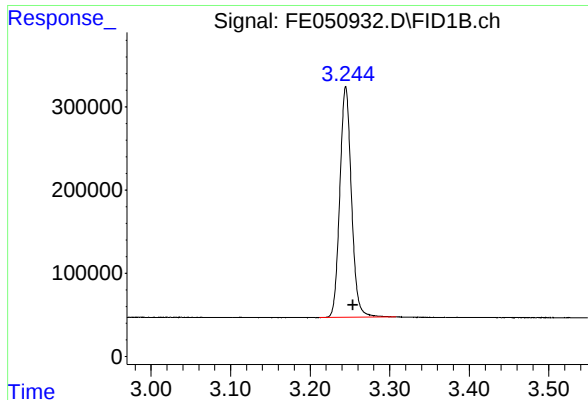
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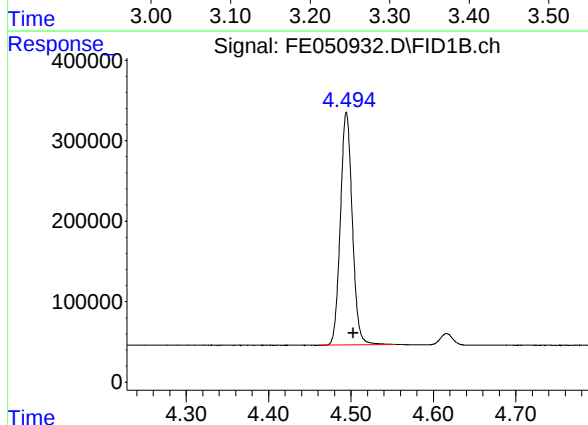
#1 n-Nonane (C9)

R.T.: 3.245 min
Delta R.T.: -0.009 min
Response: 2807276
Conc: 19.87 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

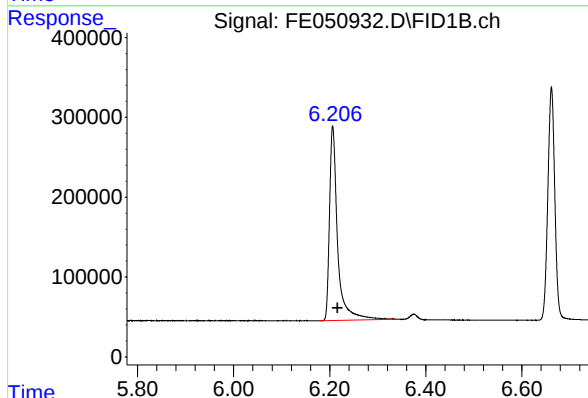
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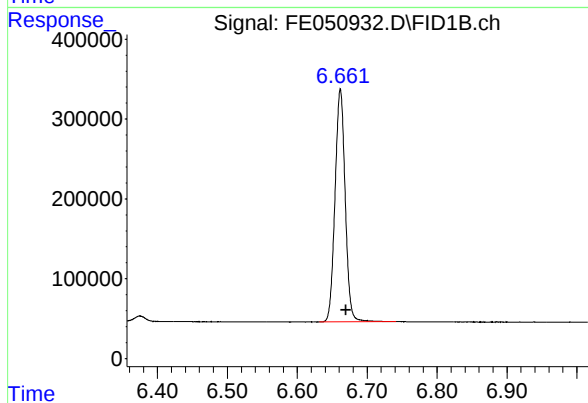
#2 n-Decane (C10)

R.T.: 4.495 min
Delta R.T.: -0.008 min
Response: 2905239
Conc: 20.25 ug/ml



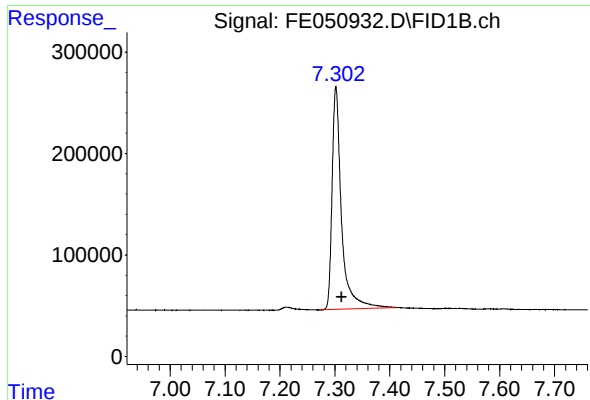
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: -0.010 min
Response: 2848724
Conc: 19.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.662 min
Delta R.T.: -0.008 min
Response: 2943495
Conc: 20.45 ug/ml



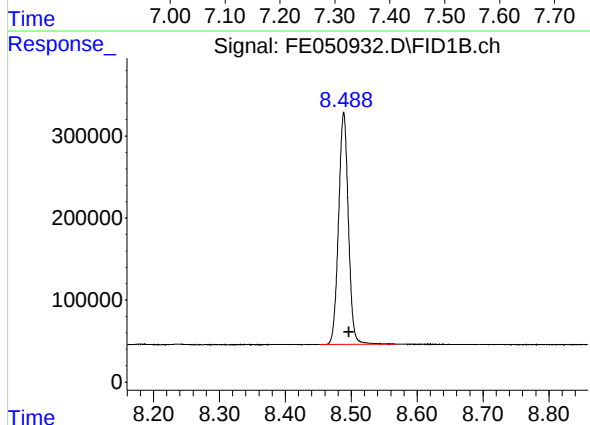
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.302 min
Delta R.T.: -0.011 min
Response: 2621093
Conc: 19.78 ug/ml

Instrument :
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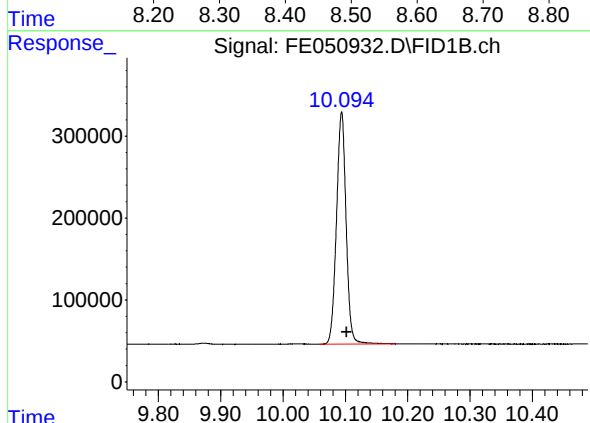
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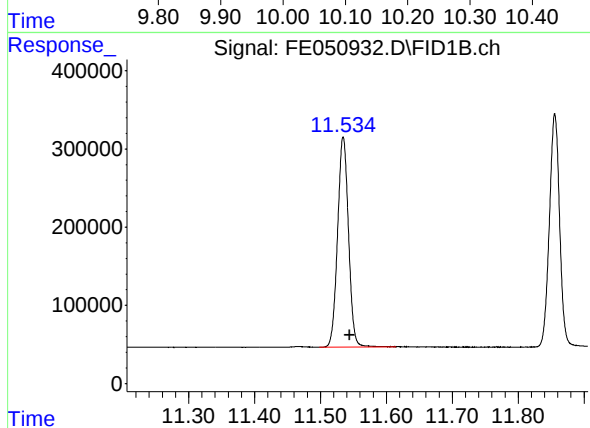
#6 n-Tetradecane (C14)

R.T.: 8.489 min
Delta R.T.: -0.008 min
Response: 2925001
Conc: 20.44 ug/ml



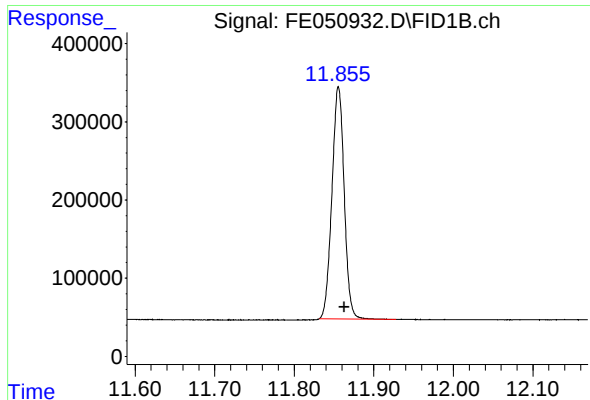
#7 n-Hexadecane (C16)

R.T.: 10.094 min
Delta R.T.: -0.008 min
Response: 3042175
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: -0.009 min
Response: 3081986
Conc: 20.63 ug/ml



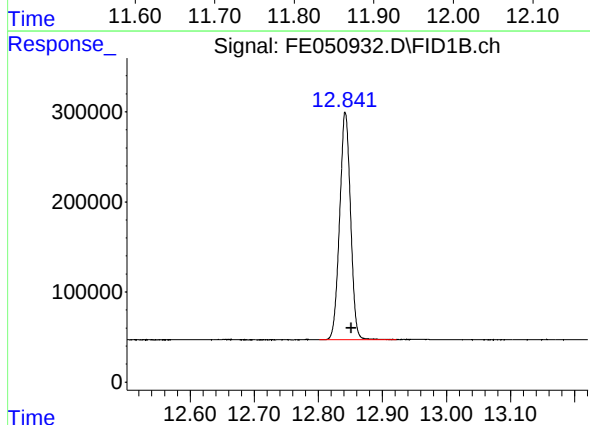
#9 ortho-Terphenyl (SURR)

R.T.: 11.856 min
Delta R.T.: -0.008 min
Response: 3182246
Conc: 20.18 ug/ml

Instrument :
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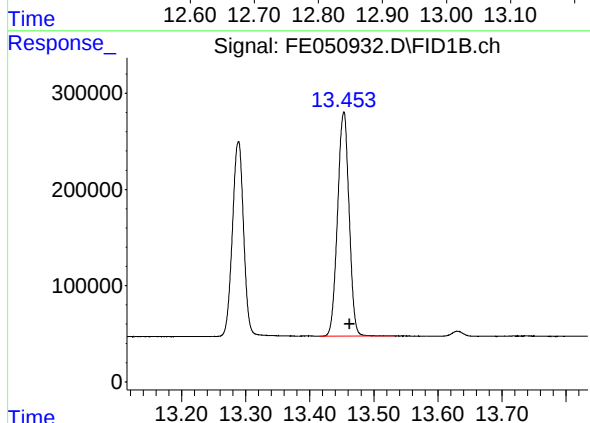
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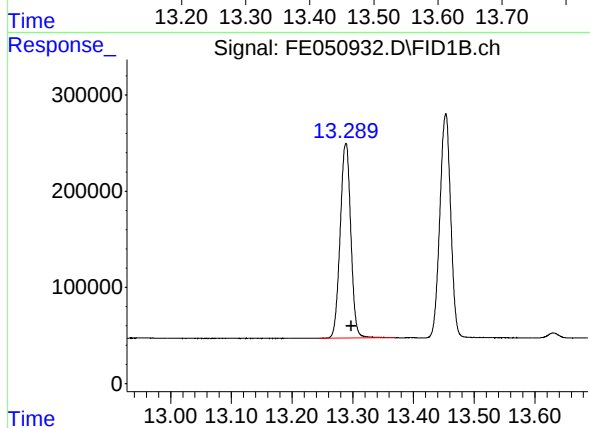
#10 n-Eicosane (C20)

R.T.: 12.842 min
Delta R.T.: -0.009 min
Response: 2962018
Conc: 20.66 ug/ml



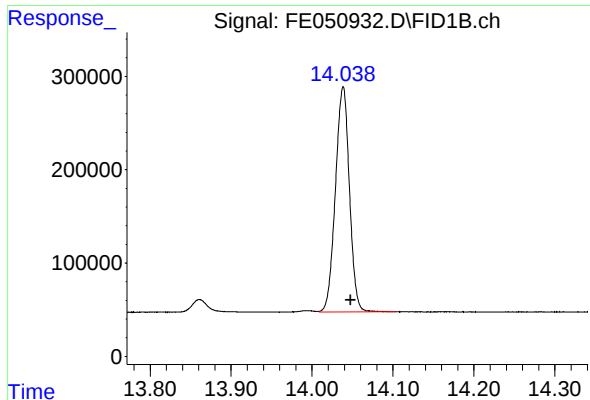
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.010 min
Response: 2904408
Conc: 20.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.009 min
Response: 2463537
Conc: 20.83 ug/ml



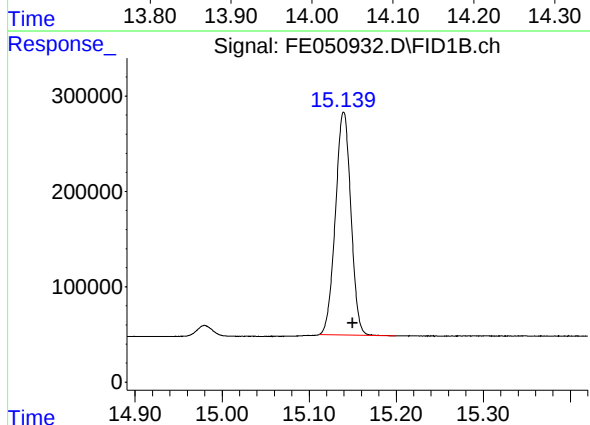
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.010 min
Response: 2899866
Conc: 20.67 ug/ml

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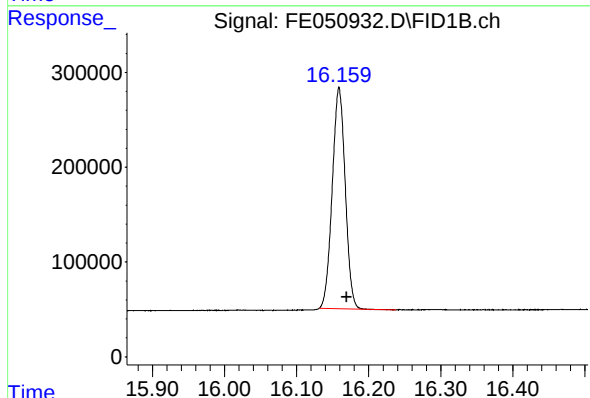
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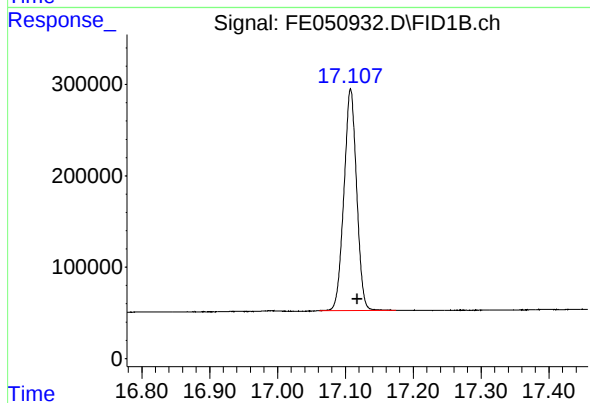
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.010 min
Response: 2885921
Conc: 20.43 ug/ml



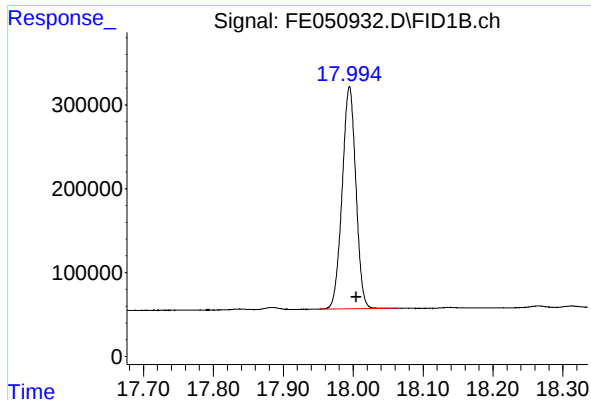
#15 n-Hexacosane (C26)

R.T.: 16.159 min
Delta R.T.: -0.010 min
Response: 2922801
Conc: 20.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.010 min
Response: 3156059
Conc: 21.57 ug/ml



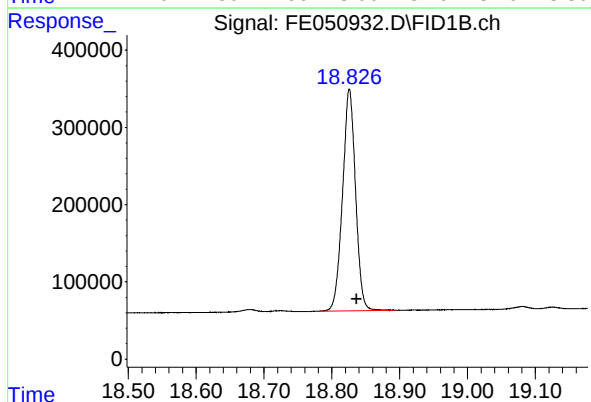
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.010 min
Response: 3614427
Conc: 22.73 ug/ml

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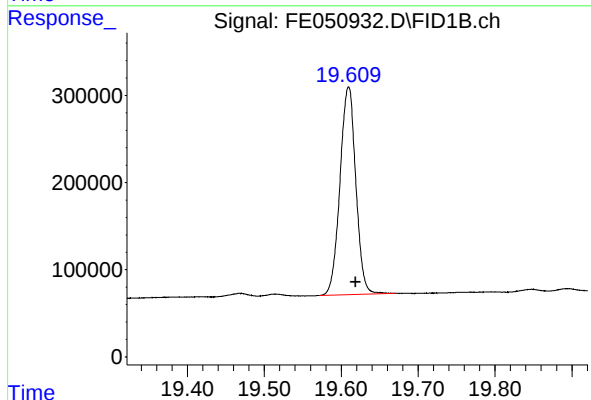
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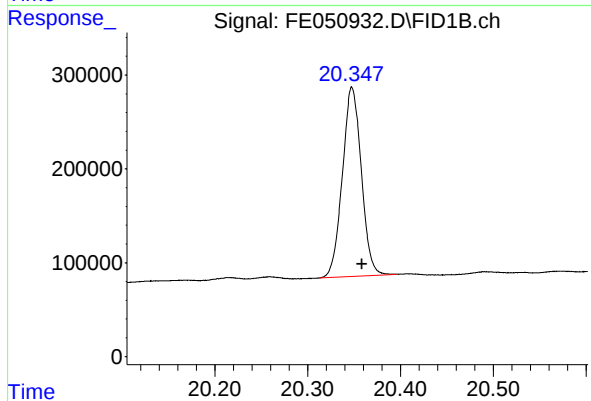
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.011 min
Response: 3817650
Conc: 23.55 ug/ml



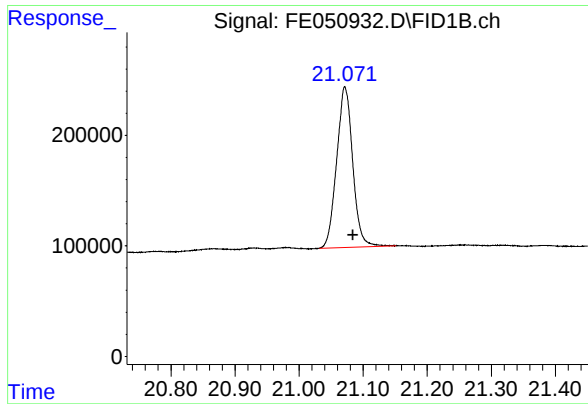
#19 n-Tetratriacontane (C34)

R.T.: 19.609 min
Delta R.T.: -0.009 min
Response: 3411096
Conc: 23.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.011 min
Response: 2859936
Conc: 22.55 ug/ml m



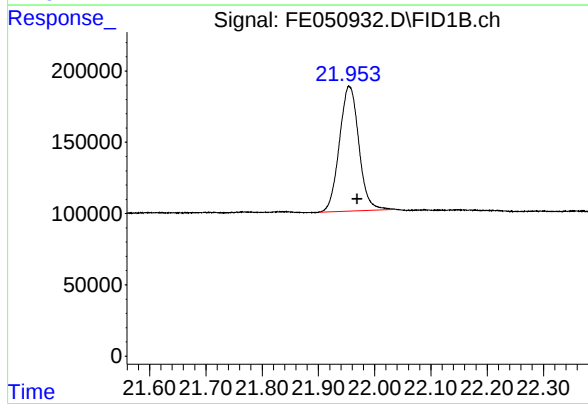
#21 n-Octatriacontane (C38)

R.T.: 21.072 min
Delta R.T.: -0.012 min
Response: 2518045
Conc: 20.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.955 min
Delta R.T.: -0.014 min
Response: 2100786
Conc: 18.87 ug/ml