

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041923AL\
 Data File : FE041445.D
 Signal(s) : FID1B.ch
 Acq On : 20 Apr 2023 00:12
 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 04/20/2023
 Supervised By :Ankita Jodhani 04/20/2023

Integration File: autoint1.e
 Quant Time: Apr 20 02:31:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.830	3611310	19.215 ug/ml
Spiked Amount 50.000		Recovery =	38.43%
12) S 1-chlorooctadecane (S...	13.270	2864133	19.906 ug/ml
Spiked Amount 50.000		Recovery =	39.81%
Target Compounds			
1) T n-Nonane (C9)	3.231	3309170	19.072 ug/ml
2) T n-Decane (C10)	4.477	3287692	19.315 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3616960	19.775 ug/ml
4) T n-Dodecane (C12)	6.641	3348656	19.305 ug/ml
5) T A~2-methylnaphthalene...	7.276	3369848	20.348 ug/ml
6) T n-Tetradecane (C14)	8.468	3381834	19.395 ug/ml
7) T n-Hexadecane (C16)	10.074	3462600	19.469 ug/ml
8) T n-Octadecane (C18)	11.516	3494966	19.574 ug/ml
10) T n-Eicosane (C20)	12.825	3355175	19.670 ug/ml
11) T n-Heneicosane (C21)	13.438	3307008	19.547 ug/ml
13) T n-Docosane (C22)	14.024	3259546	19.697 ug/ml
14) T n-Tetracosane (C24)	15.128	3349364	20.702 ug/ml
15) T n-Hexacosane (C26)	16.150	3127315	20.174 ug/ml
16) T n-Octacosane (C28)	17.101	3128476	20.423 ug/ml
17) T n-Tricontane (C30)	17.991	3198978	20.928 ug/ml
18) T n-Dotriacontane (C32)	18.825	3279057	21.002 ug/ml
19) T n-Tetratriacontane (C34)	19.611	3249615	20.970 ug/ml
20) T n-Hexatriacontane (C36)	20.352	3154336	20.766 ug/mlm
21) T n-Octatriacontane (C38)	21.076	3275312	20.966 ug/ml
22) T n-Tetracontane (C40)	21.955	3393163	21.260 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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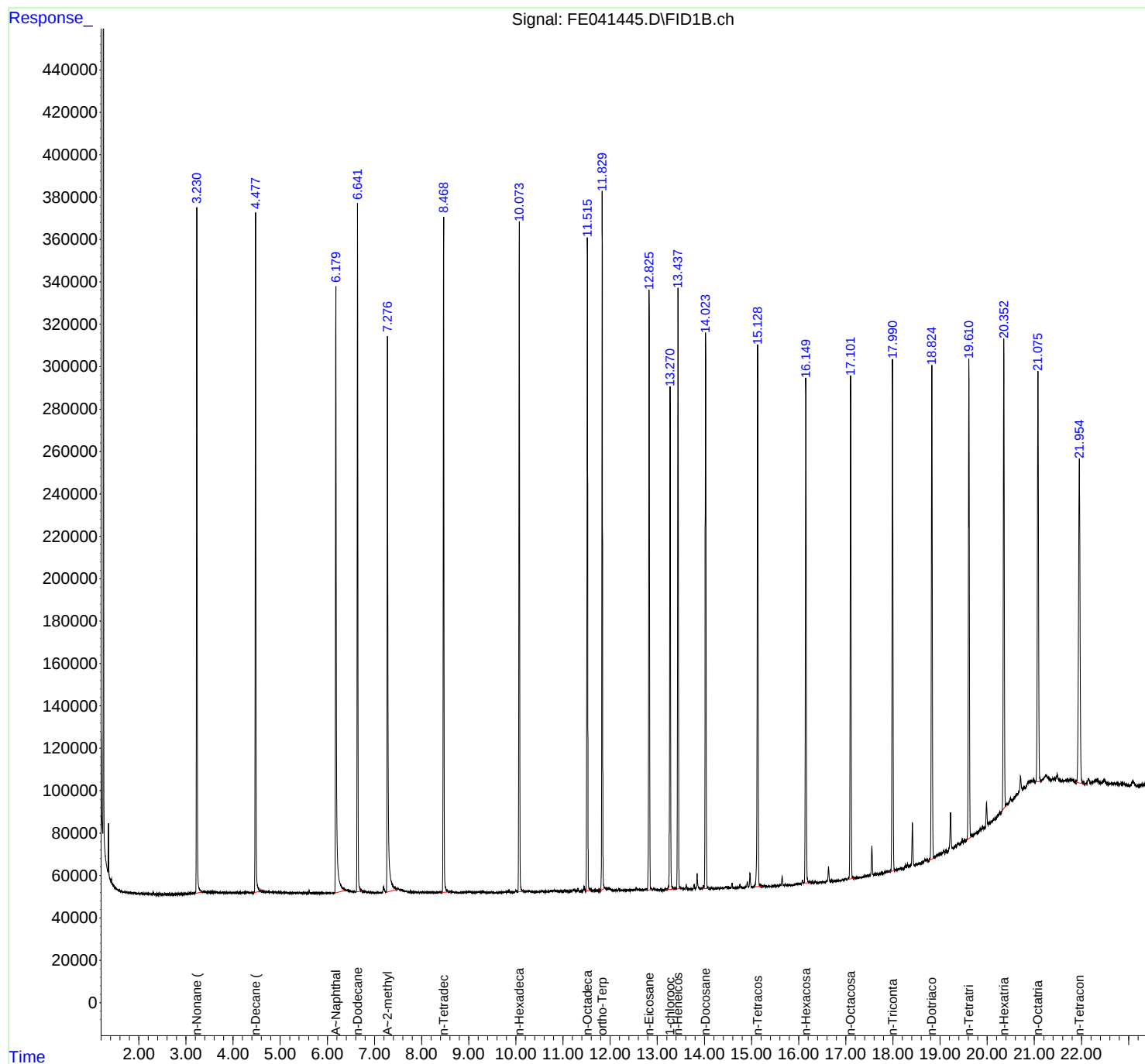
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20 PPM ALIPHATIC HC STD

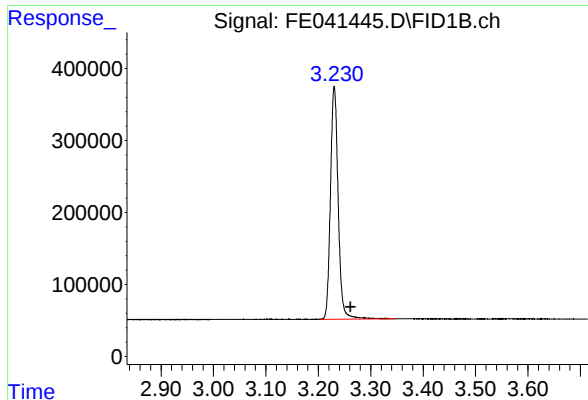
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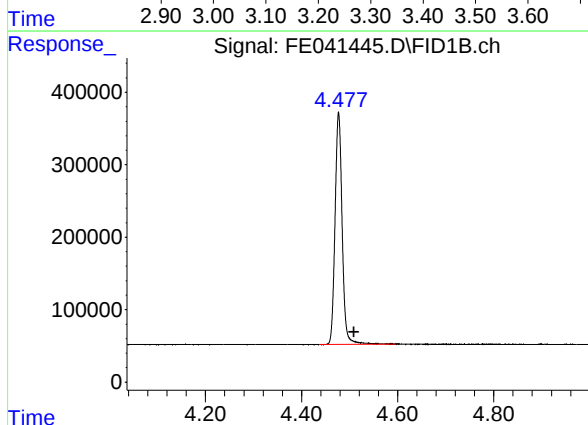
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: -0.031 min
Response: 3309170
Conc: 19.07 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

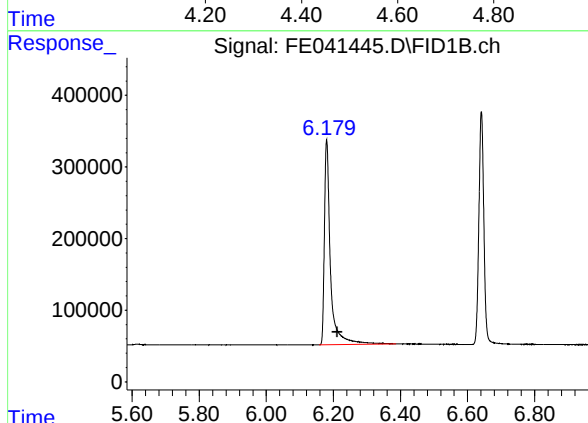
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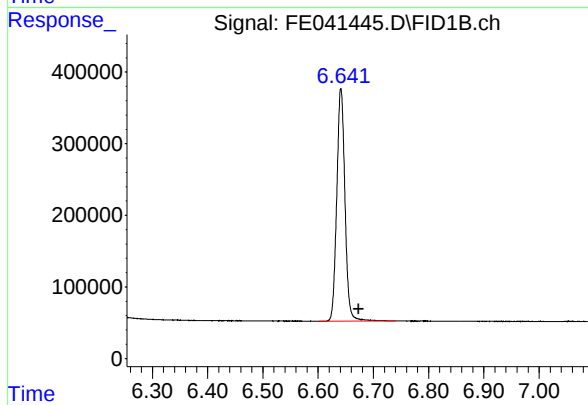
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.032 min
Response: 3287692
Conc: 19.31 ug/ml



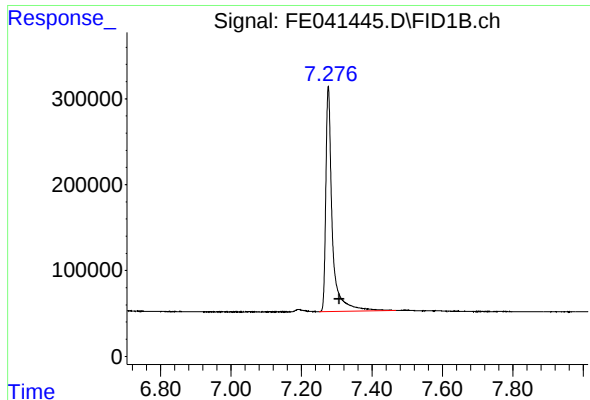
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.032 min
Response: 3616960
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.032 min
Response: 3348656
Conc: 19.30 ug/ml



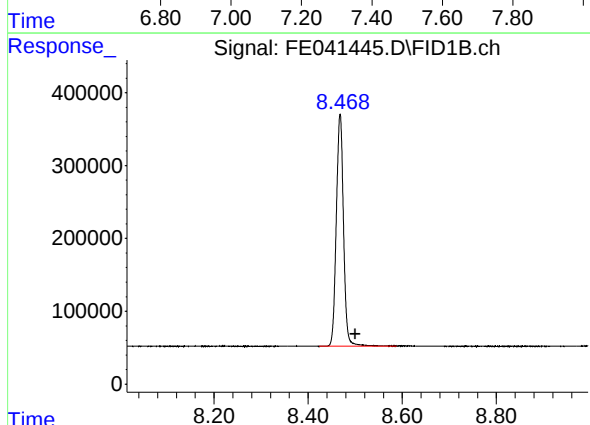
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.031 min
Response: 3369848
Conc: 20.35 ug/ml

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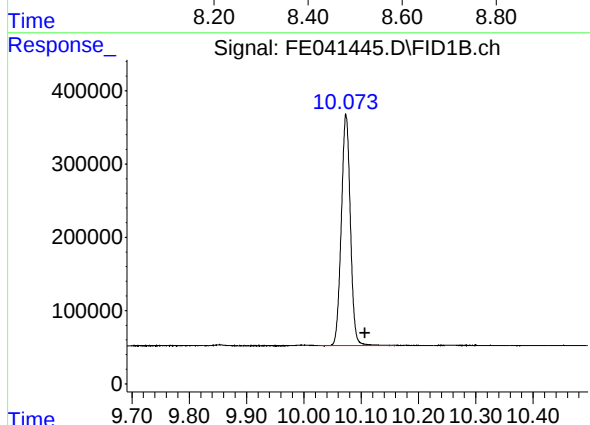
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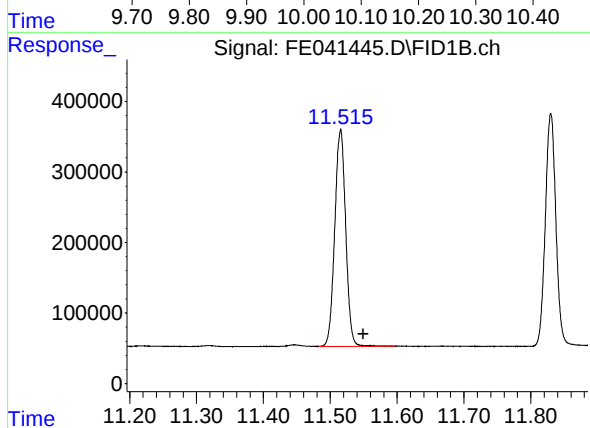
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.032 min
Response: 3381834
Conc: 19.40 ug/ml



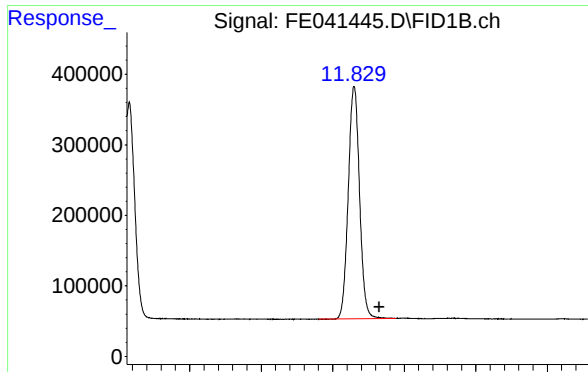
#7 n-Hexadecane (C16)

R.T.: 10.074 min
Delta R.T.: -0.033 min
Response: 3462600
Conc: 19.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.516 min
Delta R.T.: -0.034 min
Response: 3494966
Conc: 19.57 ug/ml



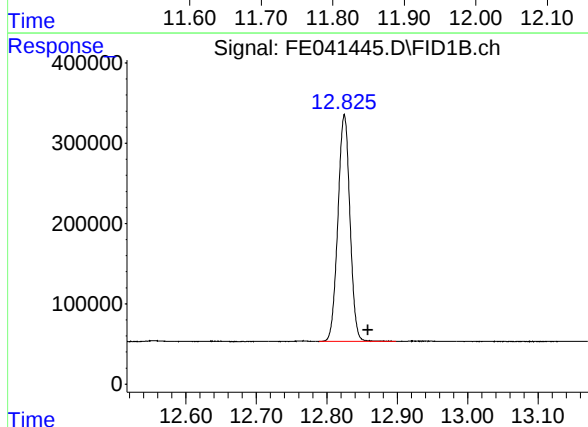
#9 ortho-Terphenyl (SURR)

R.T.: 11.830 min
Delta R.T.: -0.035 min
Response: 3611310
Conc: 19.22 ug/ml

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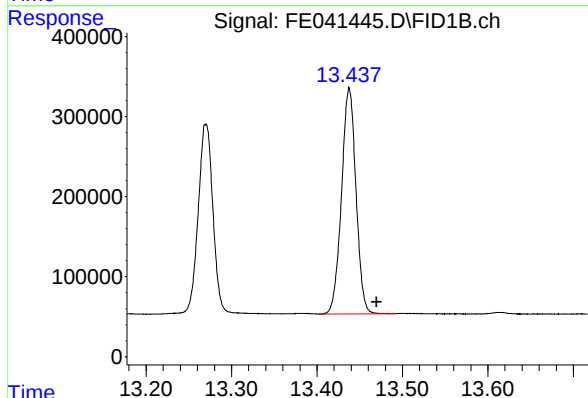
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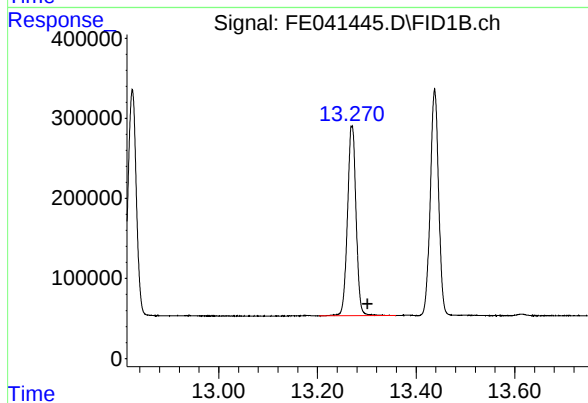
#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.033 min
Response: 3355175
Conc: 19.67 ug/ml



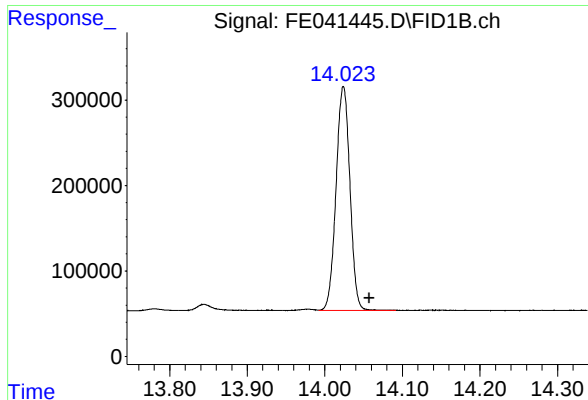
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.032 min
Response: 3307008
Conc: 19.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.032 min
Response: 2864133
Conc: 19.91 ug/ml



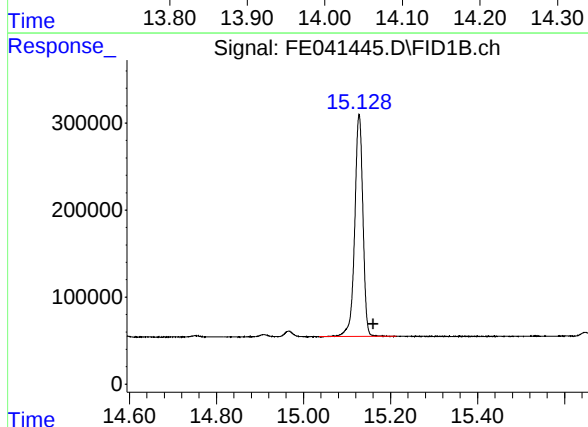
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.033 min
Response: 3259546
Conc: 19.70 ug/ml

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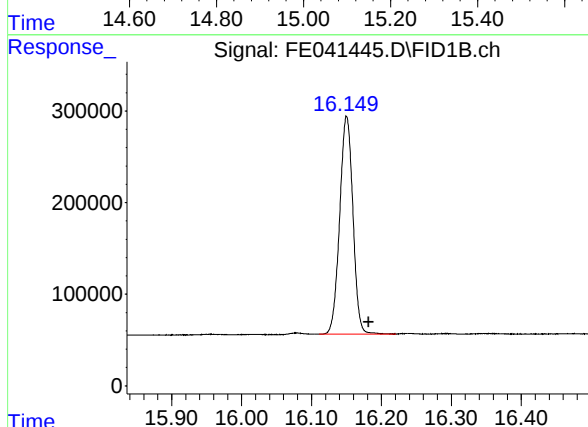
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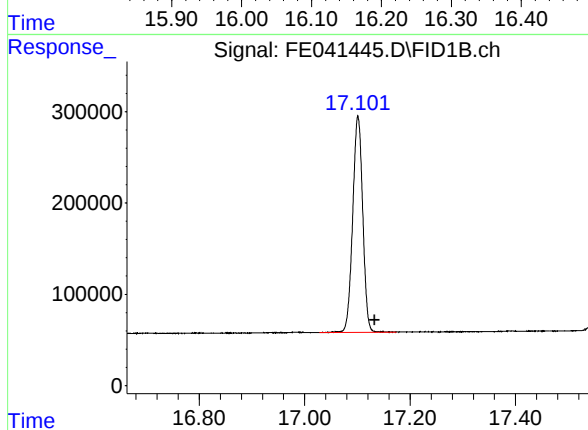
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.033 min
Response: 3349364
Conc: 20.70 ug/ml



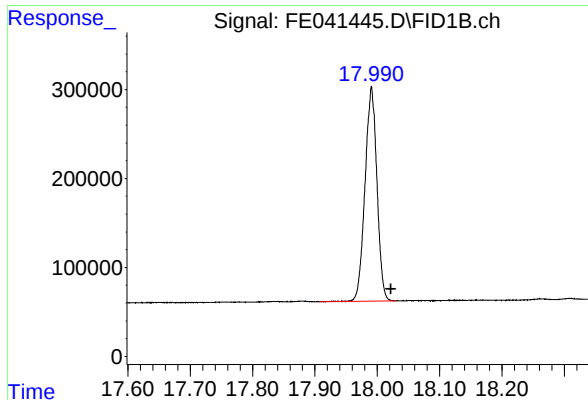
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.032 min
Response: 3127315
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.032 min
Response: 3128476
Conc: 20.42 ug/ml



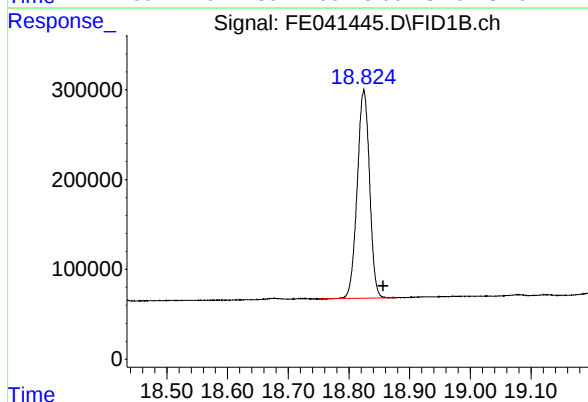
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.032 min
Response: 3198978
Conc: 20.93 ug/ml

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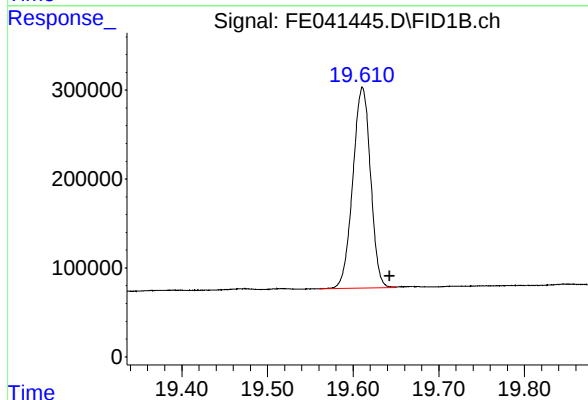
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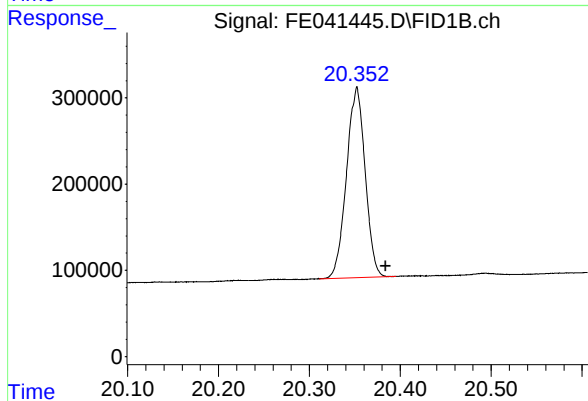
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.032 min
Response: 3279057
Conc: 21.00 ug/ml



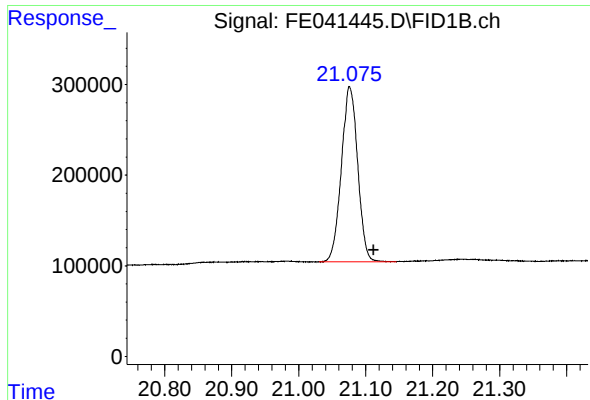
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.031 min
Response: 3249615
Conc: 20.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.032 min
Response: 3154336
Conc: 20.77 ug/ml m



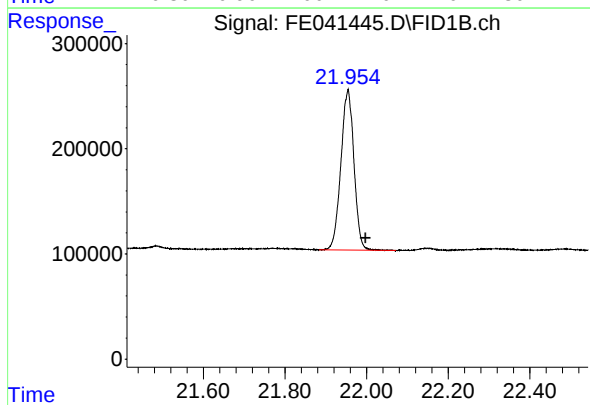
#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.036 min
Response: 3275312
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.955 min
Delta R.T.: -0.043 min
Response: 3393163
Conc: 21.26 ug/ml