

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041319.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 08:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 01:09:43 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)	11.836	3524128	18.751 ug/ml
Spiked Amount 50.000		Recovery =	37.50%
12) S 1-chlorooctadecane (S...	13.276	2724212	18.934 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
Target Compounds			
1) T n-Nonane (C9)	3.236	3007129	17.331 ug/ml
2) T n-Decane (C10)	4.482	3061465	17.986 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3333048	18.222 ug/ml
4) T n-Dodecane (C12)	6.647	3150206	18.161 ug/ml
5) T A~2-methylnaphthalene...	7.281	3131167	18.906 ug/ml
6) T n-Tetradecane (C14)	8.474	3202728	18.368 ug/ml
7) T n-Hexadecane (C16)	10.080	3299738	18.553 ug/ml
8) T n-Octadecane (C18)	11.522	3368374	18.865 ug/ml
10) T n-Eicosane (C20)	12.831	3276892	19.211 ug/ml
11) T n-Heneicosane (C21)	13.443	3245332	19.182 ug/ml
13) T n-Docosane (C22)	14.030	3280106	19.821 ug/ml
14) T n-Tetracosane (C24)	15.133	3357668	20.754 ug/ml
15) T n-Hexacosane (C26)	16.156	3355822	21.648 ug/ml
16) T n-Octacosane (C28)	17.108	3485617	22.755 ug/ml
17) T n-Tricontane (C30)	17.995	3706360	24.248 ug/ml
18) T n-Dotriacontane (C32)	18.829	3840051	24.596 ug/mlm
19) T n-Tetratriacontane (C34)	19.615	3599928	23.230 ug/mlm
20) T n-Hexatriacontane (C36)	20.358	3372167	22.200 ug/ml
21) T n-Octatriacontane (C38)	21.080	3248455	20.794 ug/mlm
22) T n-Tetracontane (C40)	21.960	3250478	20.366 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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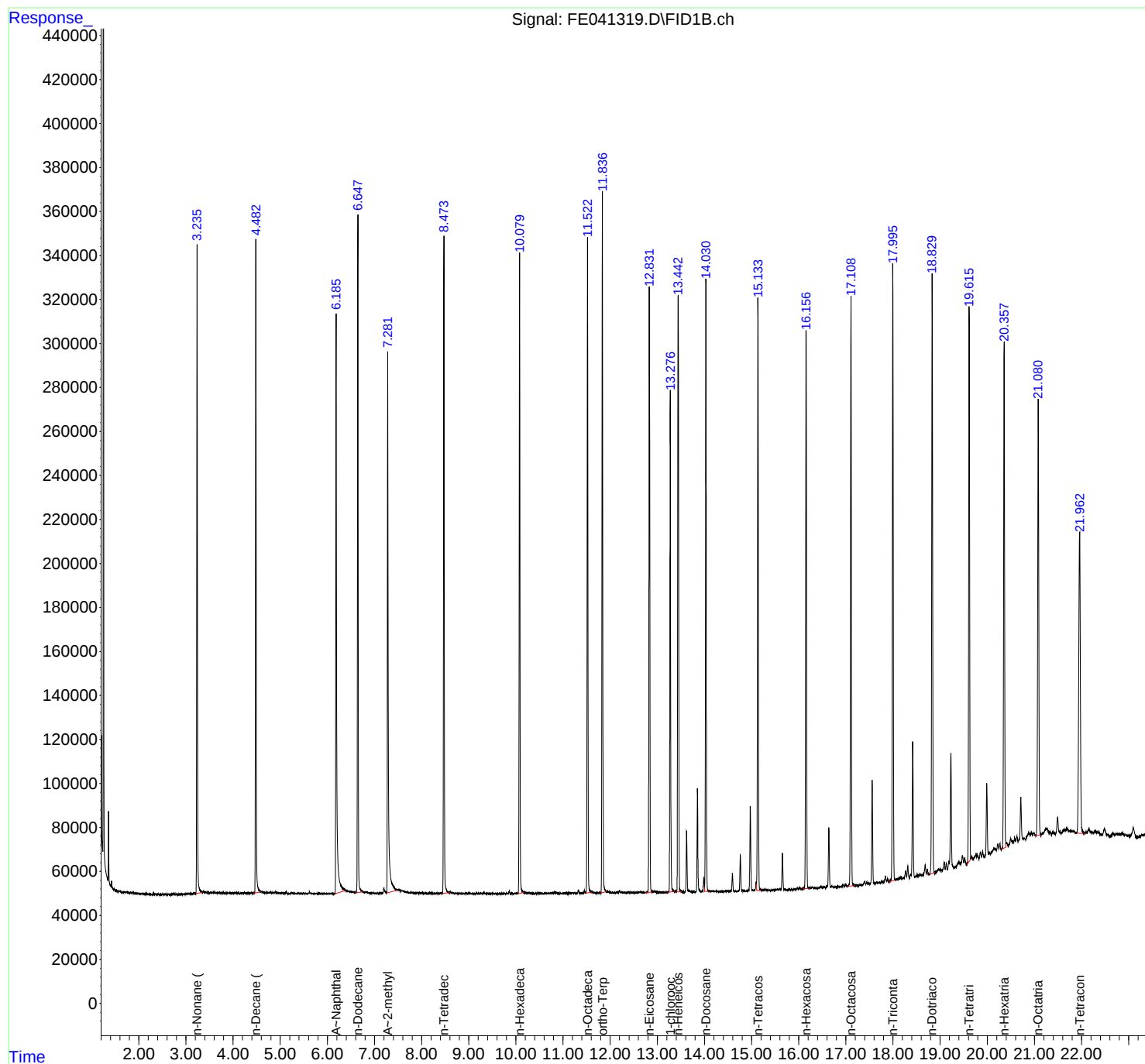
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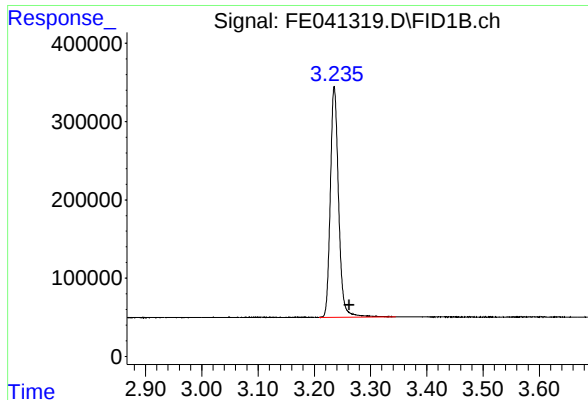
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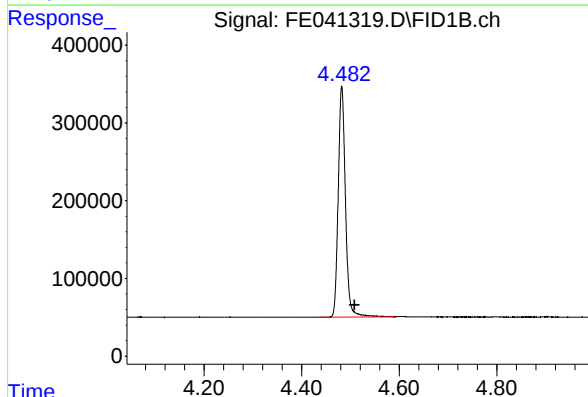
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3007129
Conc: 17.33 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

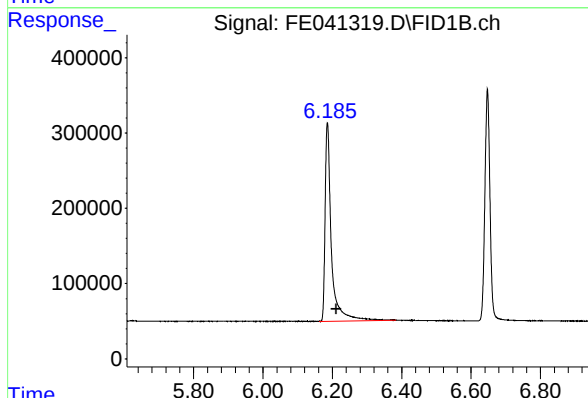
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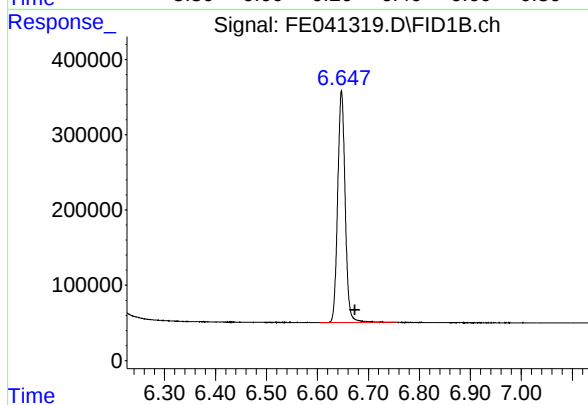
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.026 min
Response: 3061465
Conc: 17.99 ug/ml



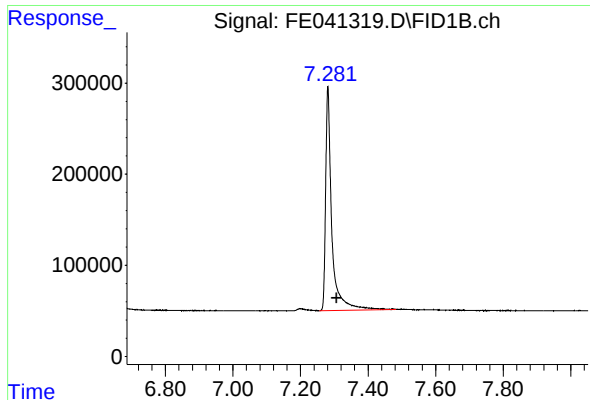
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3333048
Conc: 18.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 3150206
Conc: 18.16 ug/ml



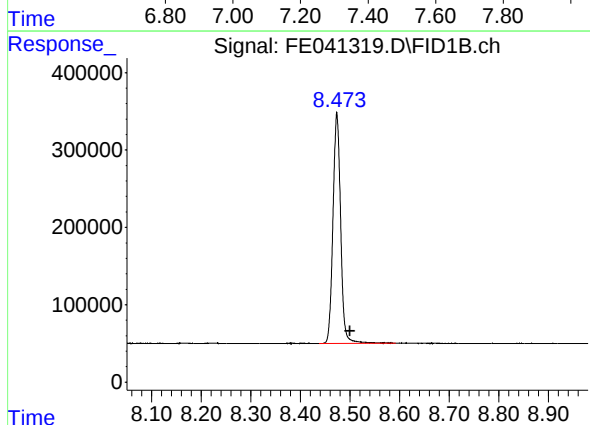
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: -0.026 min
Response: 3131167
Conc: 18.91 ug/ml

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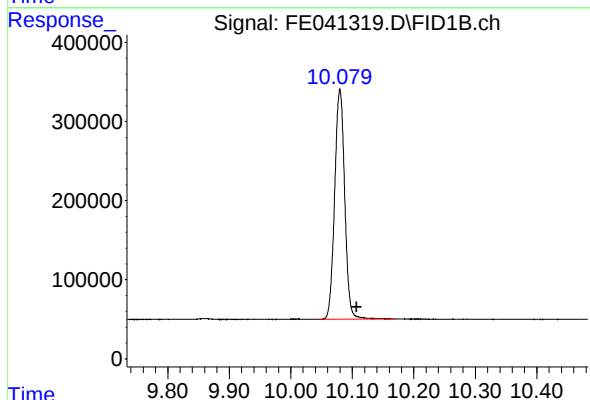
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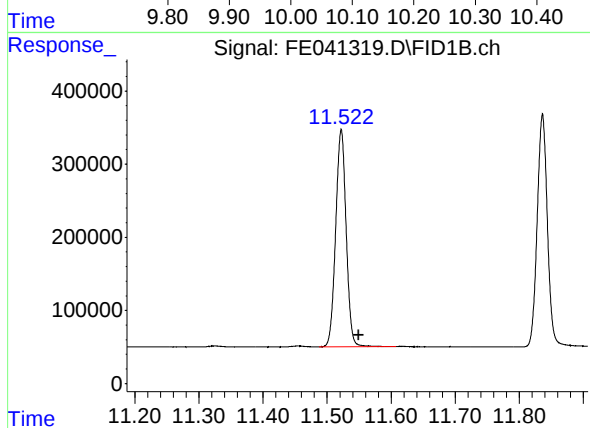
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.027 min
Response: 3202728
Conc: 18.37 ug/ml



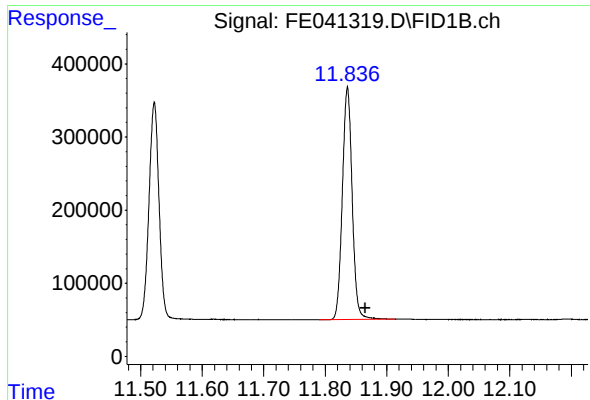
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 3299738
Conc: 18.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.522 min
Delta R.T.: -0.027 min
Response: 3368374
Conc: 18.86 ug/ml



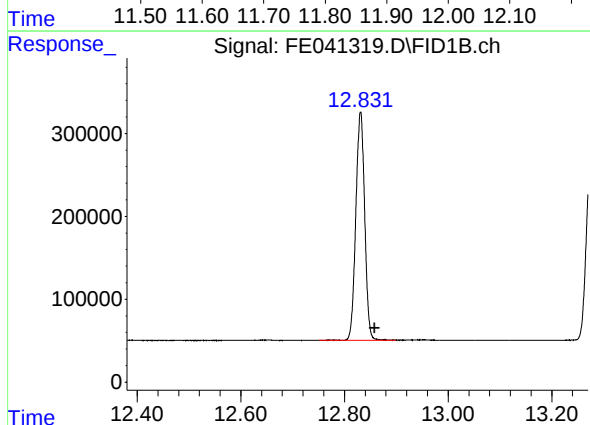
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.029 min
Response: 3524128
Conc: 18.75 ug/ml

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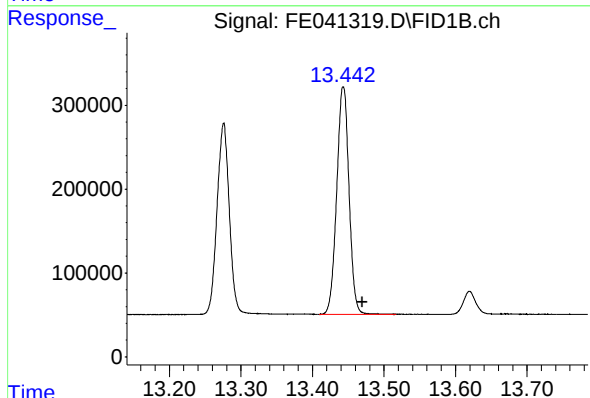
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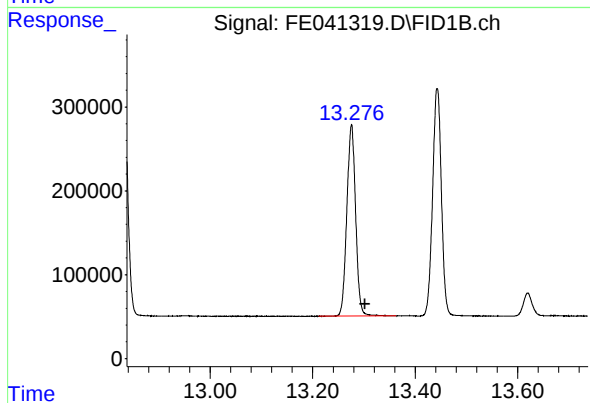
#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.027 min
Response: 3276892
Conc: 19.21 ug/ml



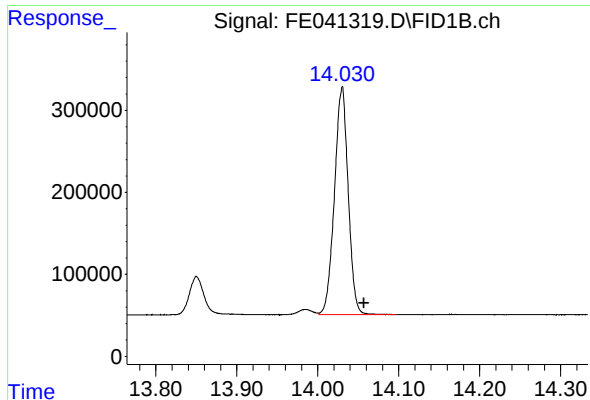
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.027 min
Response: 3245332
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.276 min
Delta R.T.: -0.026 min
Response: 2724212
Conc: 18.93 ug/ml



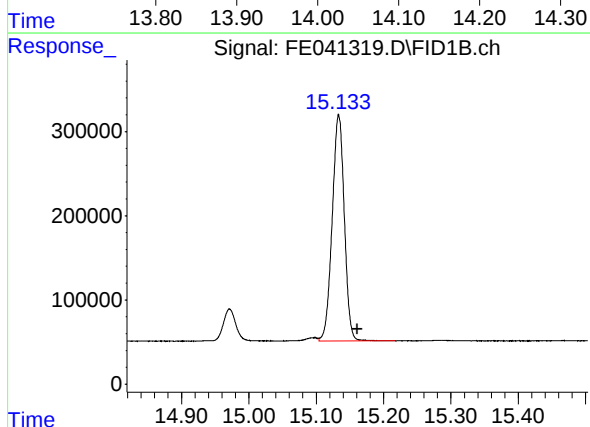
#13 n-Docosane (C22)

R.T.: 14.030 min
Delta R.T.: -0.027 min
Response: 3280106
Conc: 19.82 ug/ml

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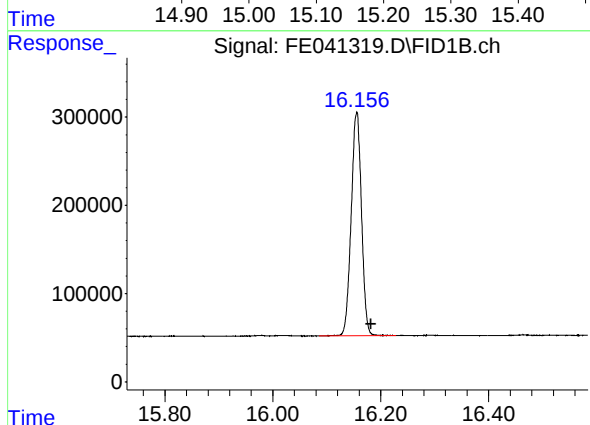
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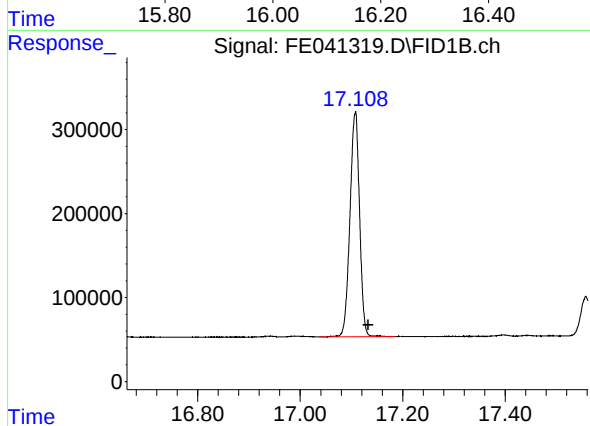
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.027 min
Response: 3357668
Conc: 20.75 ug/ml



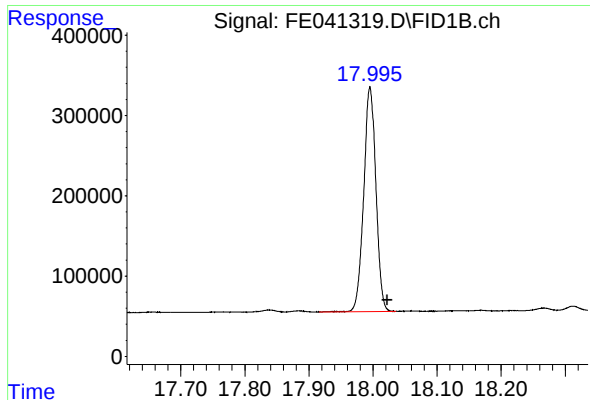
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.026 min
Response: 3355822
Conc: 21.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.026 min
Response: 3485617
Conc: 22.75 ug/ml



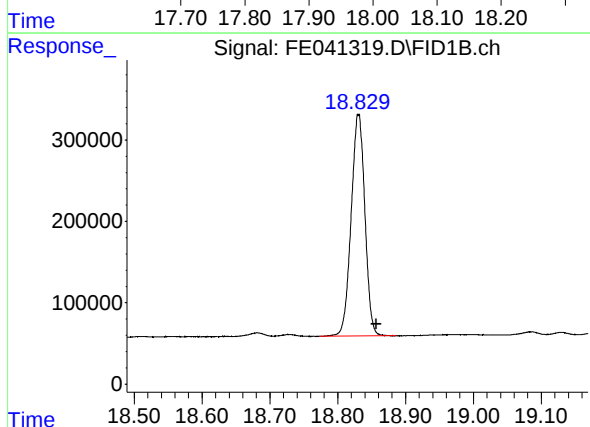
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.027 min
Response: 3706360
Conc: 24.25 ug/ml

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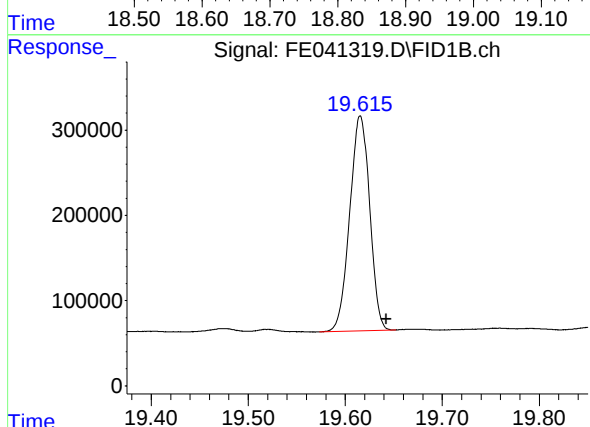
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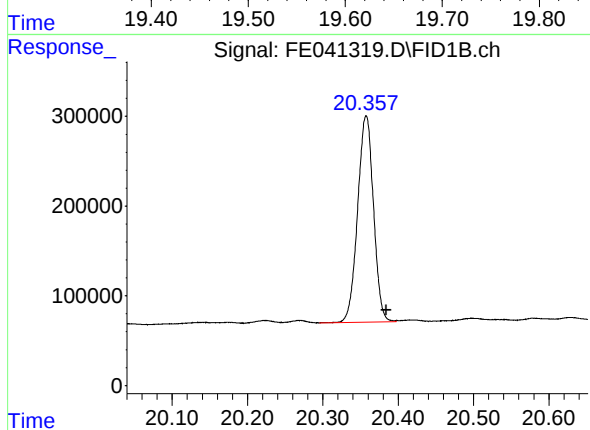
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.028 min
Response: 3840051
Conc: 24.60 ug/ml



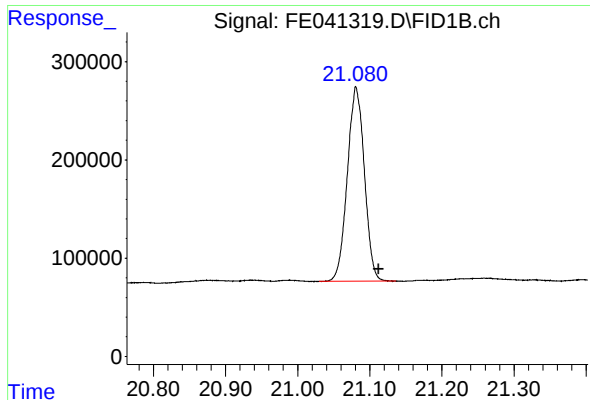
#19 n-Tetratriacontane (C34)

R.T.: 19.615 min
Delta R.T.: -0.027 min
Response: 3599928
Conc: 23.23 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: -0.027 min
Response: 3372167
Conc: 22.20 ug/ml



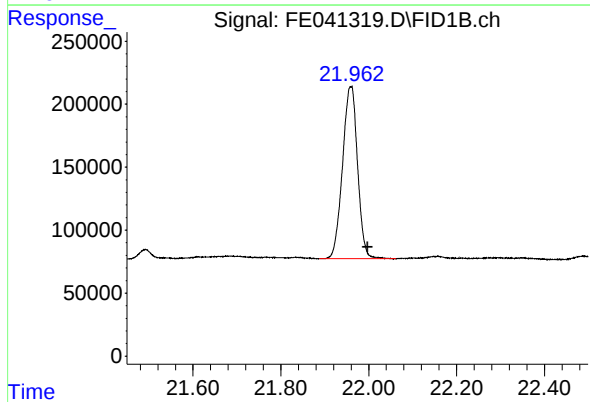
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.032 min
Response: 3248455
Conc: 20.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.038 min
Response: 3250478
Conc: 20.37 ug/ml