

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041323AL\
 Data File : FE041352.D
 Signal(s) : FID1B.ch
 Acq On : 13 Apr 2023 20:30
 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 04/14/2023
 Supervised By :Ankita Jodhani 04/14/2023

Integration File: autoint1.e
 Quant Time: Apr 14 01:05:55 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)	11.838	3484907	18.543 ug/ml
Spiked Amount 50.000		Recovery =	37.09%
12) S 1-chlorooctadecane (S...	13.277	2682524	18.644 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
Target Compounds			
1) T n-Nonane (C9)	3.235	3171145	18.276 ug/ml
2) T n-Decane (C10)	4.483	3124956	18.359 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3408229	18.633 ug/ml
4) T n-Dodecane (C12)	6.647	3201631	18.457 ug/ml
5) T A~2-methylnaphthalene...	7.282	3183266	19.221 ug/ml
6) T n-Tetradecane (C14)	8.474	3235485	18.556 ug/ml
7) T n-Hexadecane (C16)	10.081	3302747	18.570 ug/ml
8) T n-Octadecane (C18)	11.523	3316353	18.574 ug/ml
10) T n-Eicosane (C20)	12.832	3188651	18.694 ug/ml
11) T n-Heneicosane (C21)	13.445	3163259	18.697 ug/ml
13) T n-Docosane (C22)	14.031	3102679	18.749 ug/ml
14) T n-Tetracosane (C24)	15.135	3038604	18.782 ug/ml
15) T n-Hexacosane (C26)	16.157	2933324	18.923 ug/ml
16) T n-Octacosane (C28)	17.108	2902580	18.949 ug/ml
17) T n-Tricontane (C30)	17.998	2858667	18.702 ug/ml
18) T n-Dotriacontane (C32)	18.831	2961587	18.969 ug/ml
19) T n-Tetratriacontane (C34)	19.616	2983646	19.253 ug/ml
20) T n-Hexatriacontane (C36)	20.358	2909969	19.157 ug/mlm
21) T n-Octatriacontane (C38)	21.082	3124809	20.003 ug/ml
22) T n-Tetracontane (C40)	21.959	3379862	21.176 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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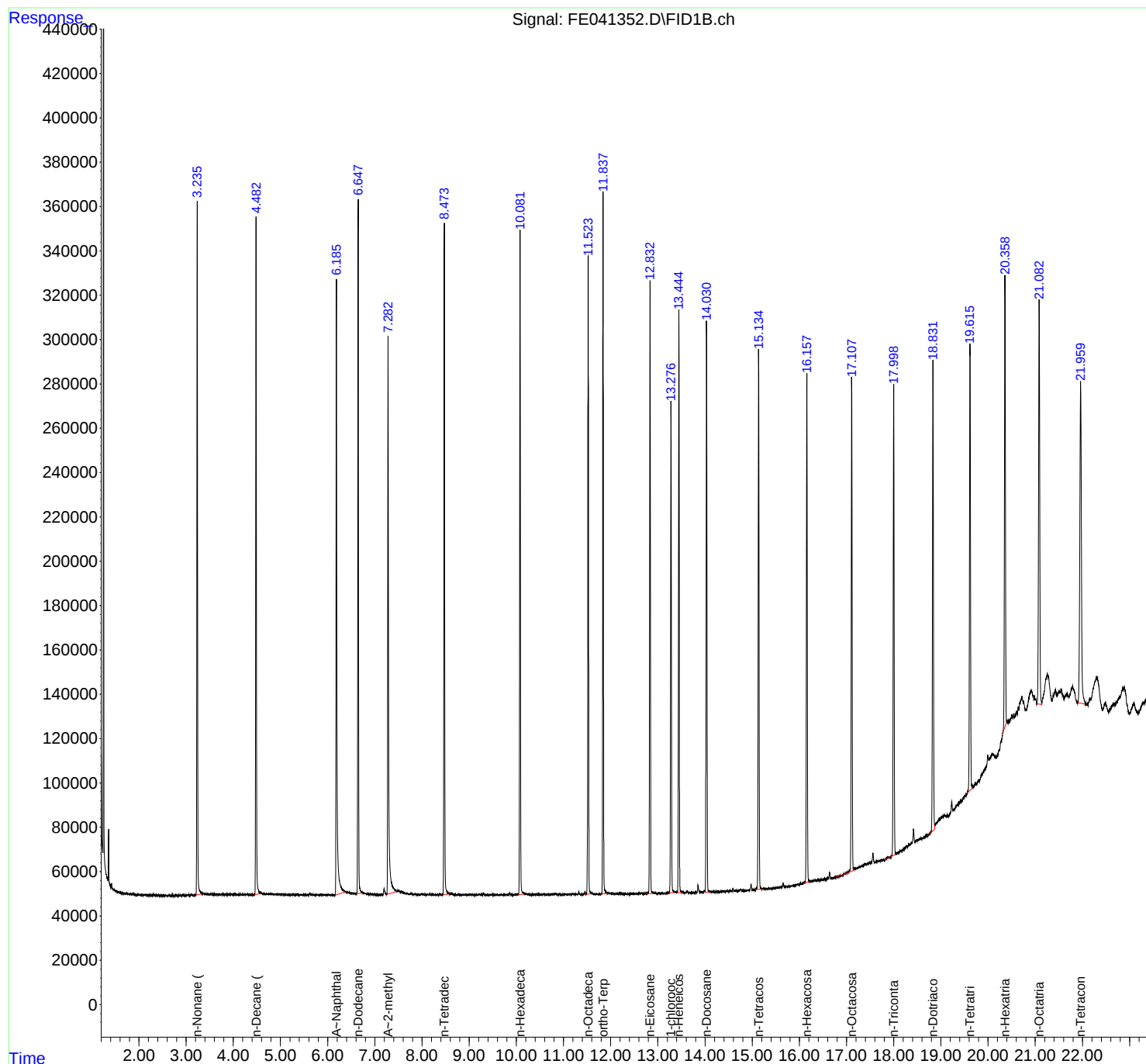
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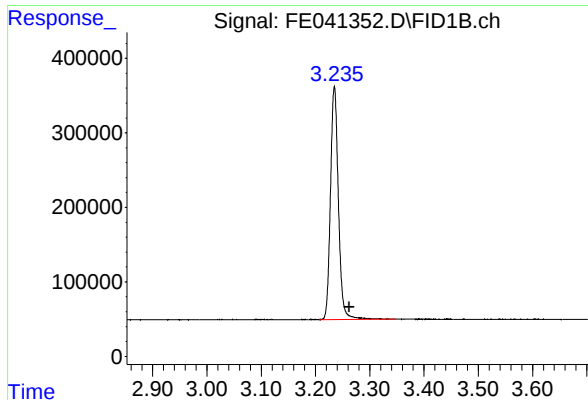
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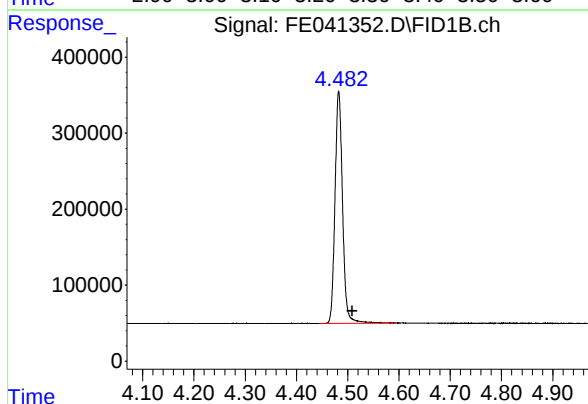
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.027 min
Response: 3171145
Conc: 18.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

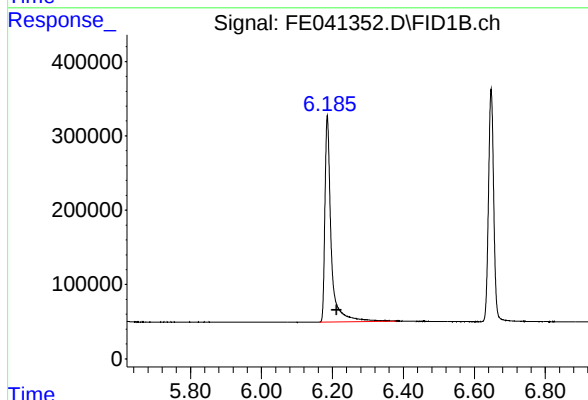
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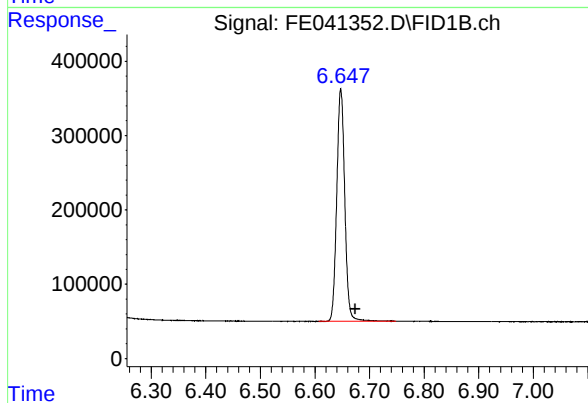
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.026 min
Response: 3124956
Conc: 18.36 ug/ml



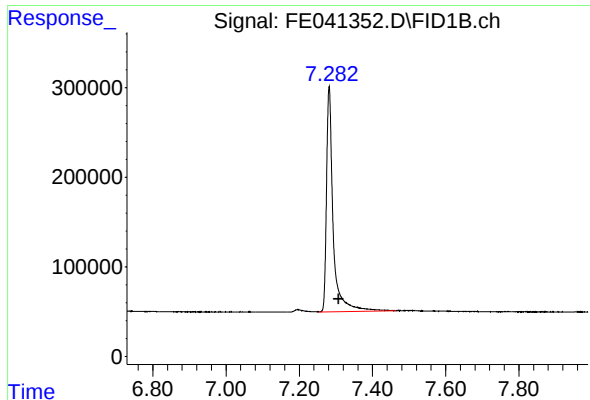
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3408229
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 3201631
Conc: 18.46 ug/ml



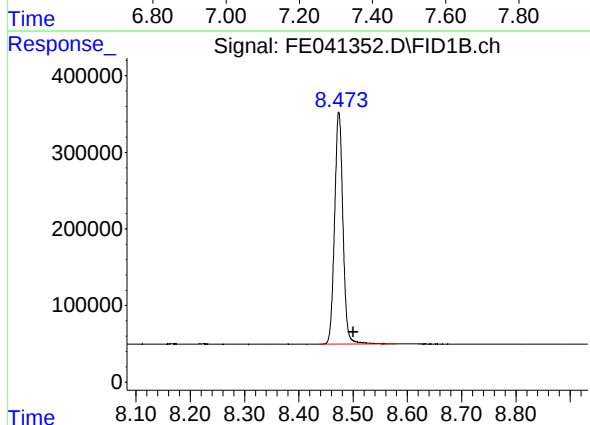
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.026 min
Response: 3183266
Conc: 19.22 ug/ml

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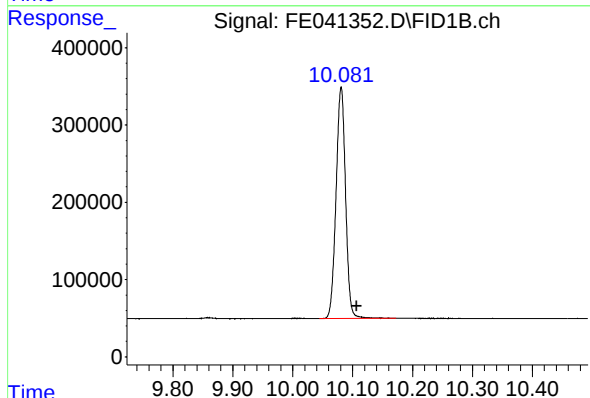
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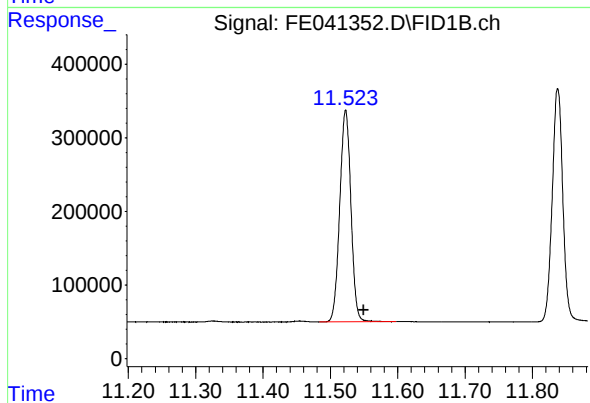
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 3235485
Conc: 18.56 ug/ml



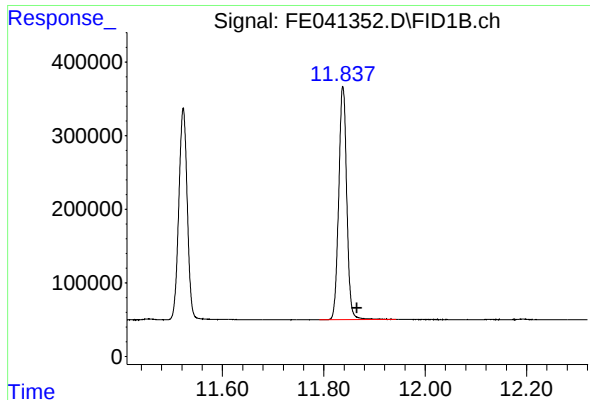
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.026 min
Response: 3302747
Conc: 18.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.523 min
Delta R.T.: -0.027 min
Response: 3316353
Conc: 18.57 ug/ml



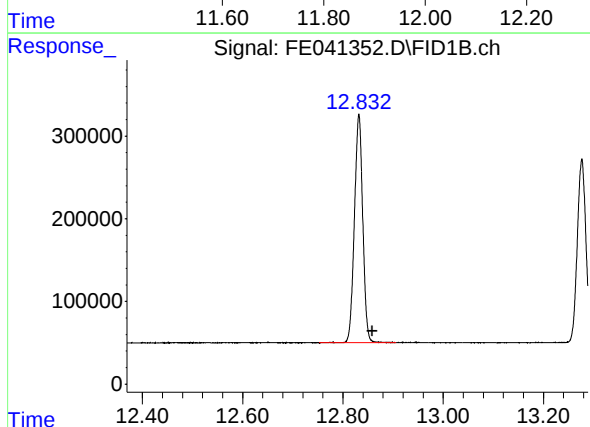
#9 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: -0.027 min
Response: 3484907
Conc: 18.54 ug/ml

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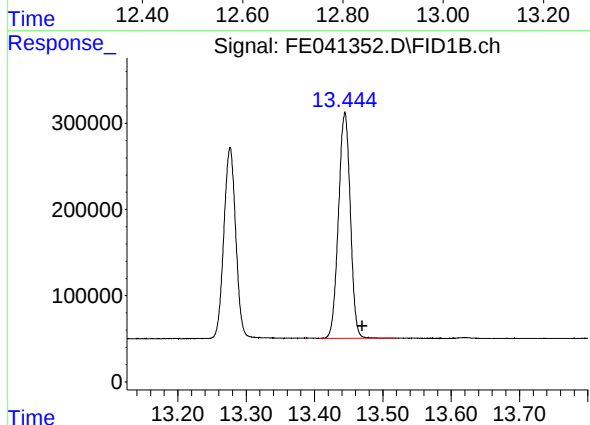
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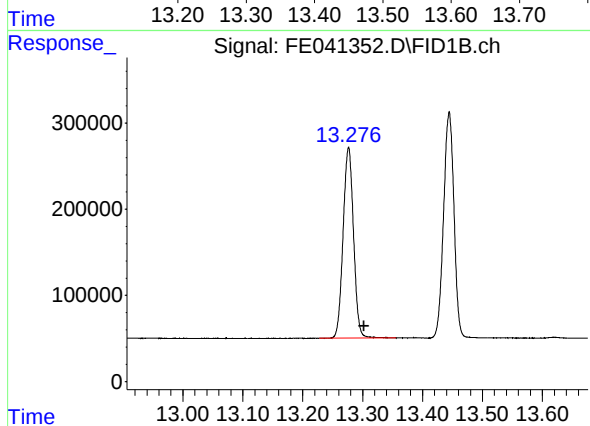
#10 n-Eicosane (C20)

R.T.: 12.832 min
Delta R.T.: -0.026 min
Response: 3188651
Conc: 18.69 ug/ml



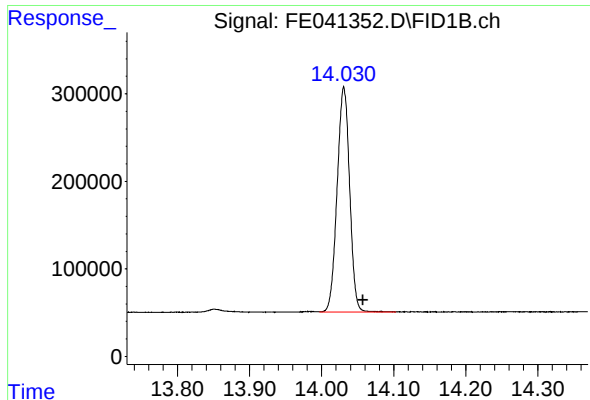
#11 n-Heneicosane (C21)

R.T.: 13.445 min
Delta R.T.: -0.025 min
Response: 3163259
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 2682524
Conc: 18.64 ug/ml



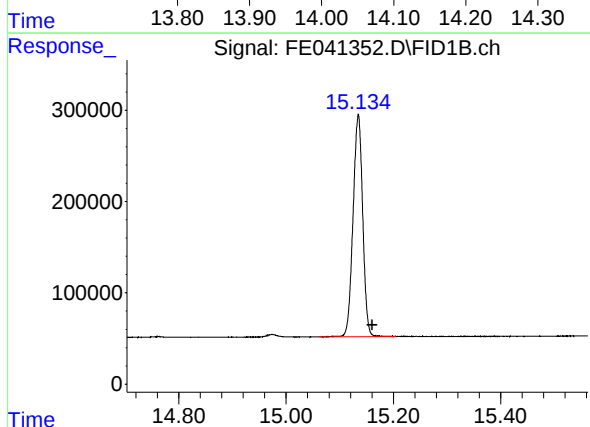
#13 n-Docosane (C22)

R.T.: 14.031 min
Delta R.T.: -0.026 min
Response: 3102679
Conc: 18.75 ug/ml

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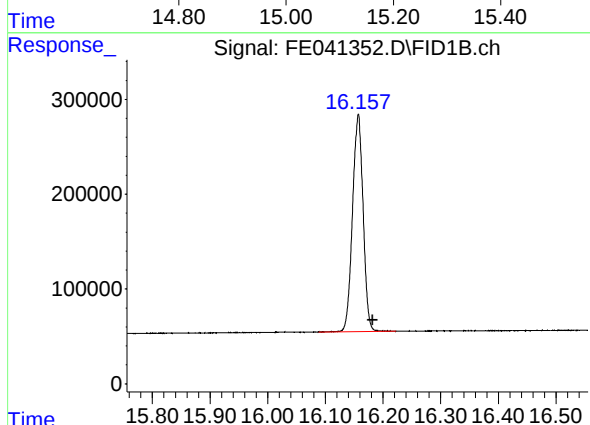
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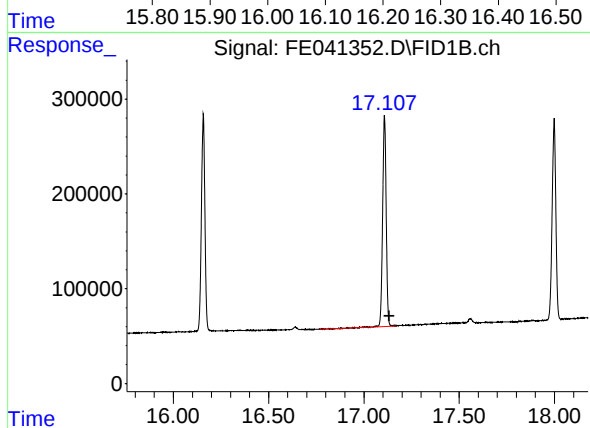
#14 n-Tetracosane (C24)

R.T.: 15.135 min
Delta R.T.: -0.026 min
Response: 3038604
Conc: 18.78 ug/ml



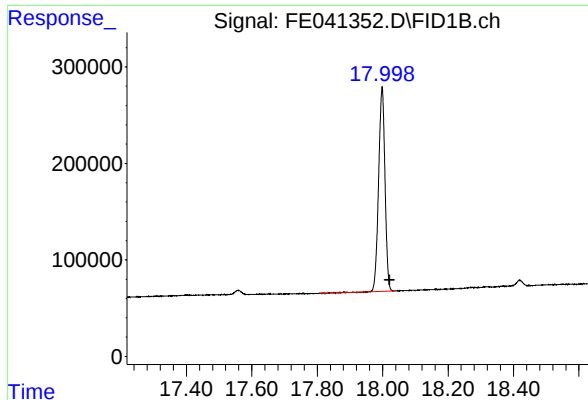
#15 n-Hexacosane (C26)

R.T.: 16.157 min
Delta R.T.: -0.025 min
Response: 2933324
Conc: 18.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.025 min
Response: 2902580
Conc: 18.95 ug/ml



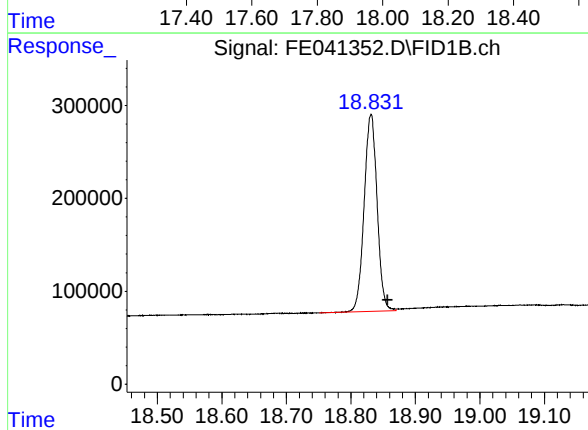
#17 n-Tricontane (C30)

R.T.: 17.998 min
Delta R.T.: -0.024 min
Response: 2858667
Conc: 18.70 ug/ml

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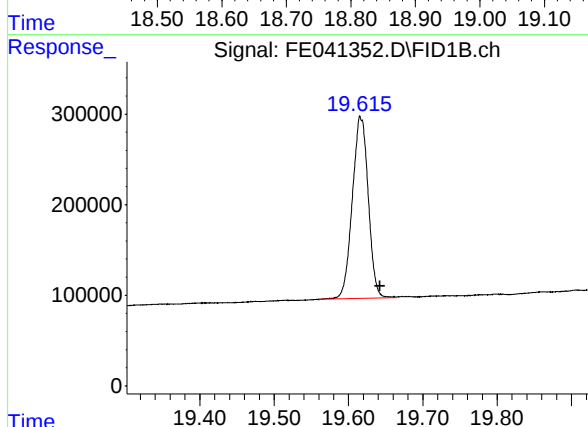
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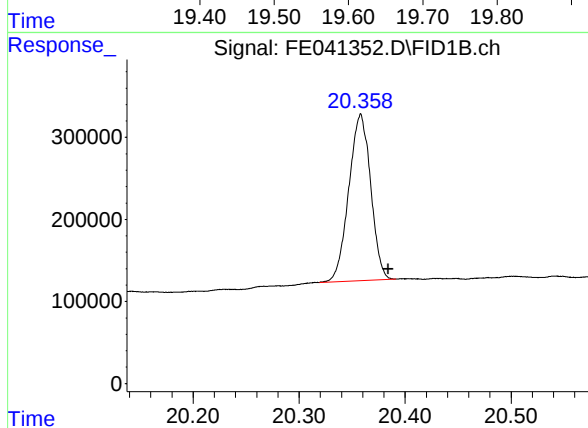
#18 n-Dotriacontane (C32)

R.T.: 18.831 min
Delta R.T.: -0.025 min
Response: 2961587
Conc: 18.97 ug/ml



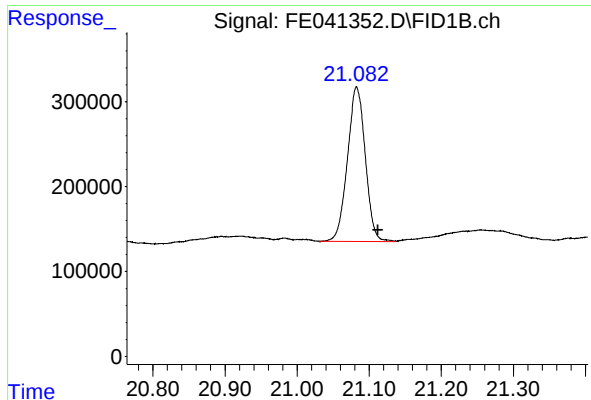
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.026 min
Response: 2983646
Conc: 19.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: -0.026 min
Response: 2909969
Conc: 19.16 ug/ml m



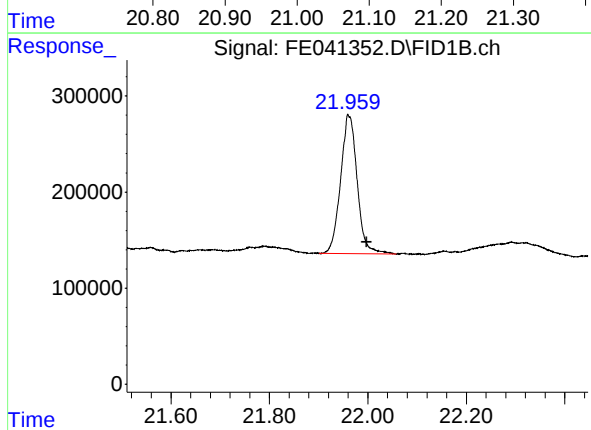
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.030 min
Response: 3124809
Conc: 20.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.039 min
Response: 3379862
Conc: 21.18 ug/ml m