

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041324.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 11:50
 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 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 01:10:17 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	3437433	18.290 ug/ml
Spiked Amount 50.000		Recovery =	36.58%
12) S 1-chlorooctadecane (S...	13.275	2641403	18.358 ug/ml
Spiked Amount 50.000		Recovery =	36.72%
Target Compounds			
1) T n-Nonane (C9)	3.235	3081158	17.757 ug/ml
2) T n-Decane (C10)	4.482	3023066	17.760 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3309436	18.093 ug/ml
4) T n-Dodecane (C12)	6.647	3096825	17.853 ug/ml
5) T A~2-methylnaphthalene...	7.282	3060672	18.481 ug/ml
6) T n-Tetradecane (C14)	8.473	3124351	17.918 ug/ml
7) T n-Hexadecane (C16)	10.080	3201674	18.002 ug/ml
8) T n-Octadecane (C18)	11.521	3245620	18.177 ug/ml
10) T n-Eicosane (C20)	12.830	3141651	18.418 ug/ml
11) T n-Heneicosane (C21)	13.443	3132555	18.516 ug/ml
13) T n-Docosane (C22)	14.029	3068039	18.540 ug/ml
14) T n-Tetracosane (C24)	15.132	2999676	18.541 ug/ml
15) T n-Hexacosane (C26)	16.153	2890565	18.647 ug/ml
16) T n-Octacosane (C28)	17.105	2830151	18.476 ug/ml
17) T n-Tricontane (C30)	17.993	2777399	18.170 ug/ml
18) T n-Dotriacontane (C32)	18.827	2794738	17.900 ug/mlm
19) T n-Tetratriacontane (C34)	19.611	2824969	18.229 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	2760780	18.175 ug/ml
21) T n-Octatriacontane (C38)	21.078	2908348	18.617 ug/mlm
22) T n-Tetracontane (C40)	21.955	3081187	19.305 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

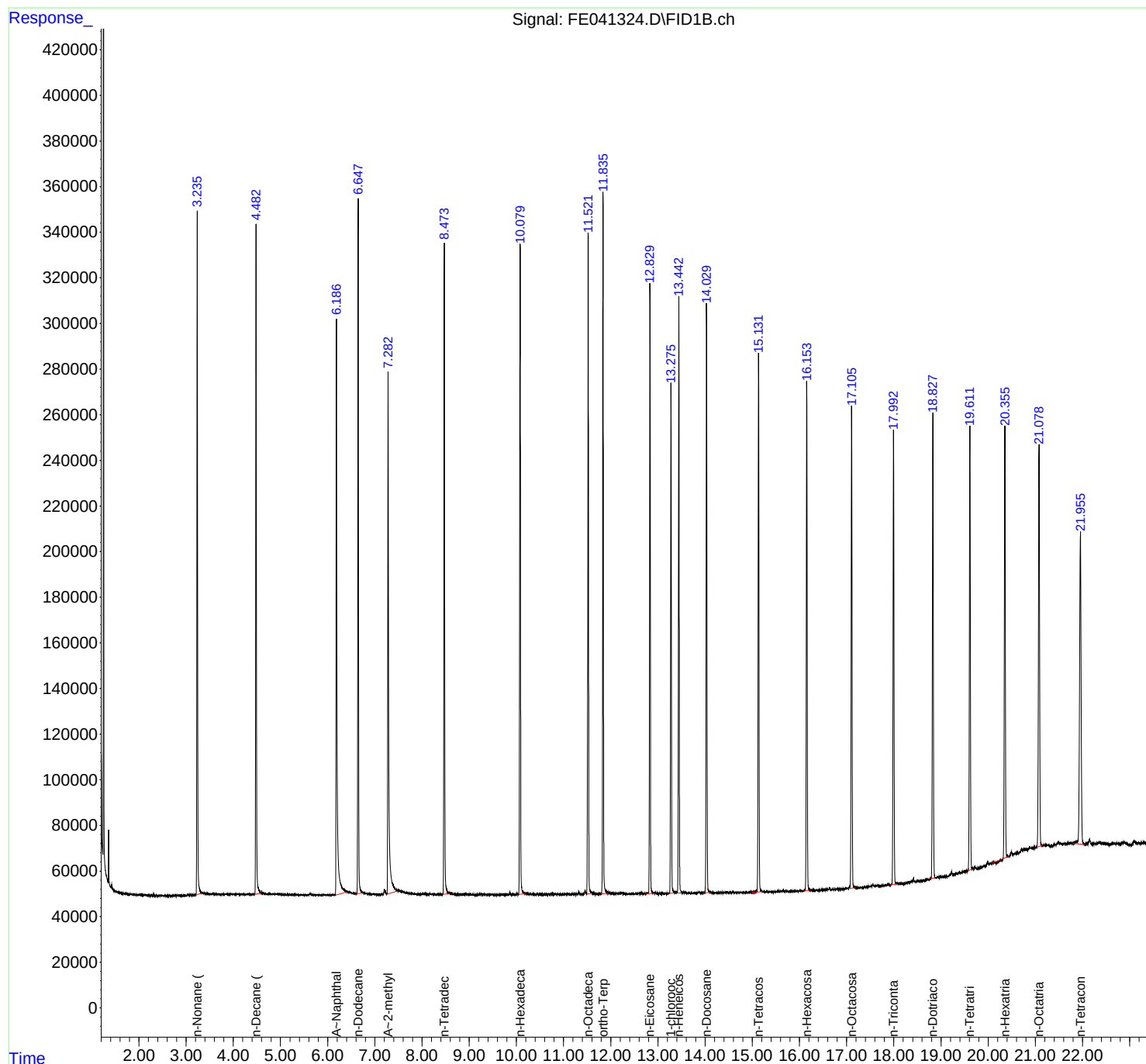
Instrument :
FID_E
ClientSampleId :
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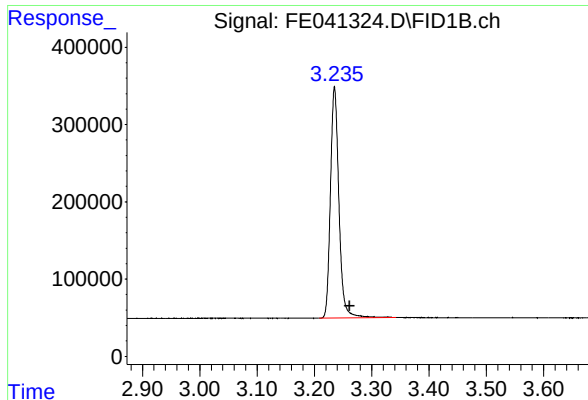
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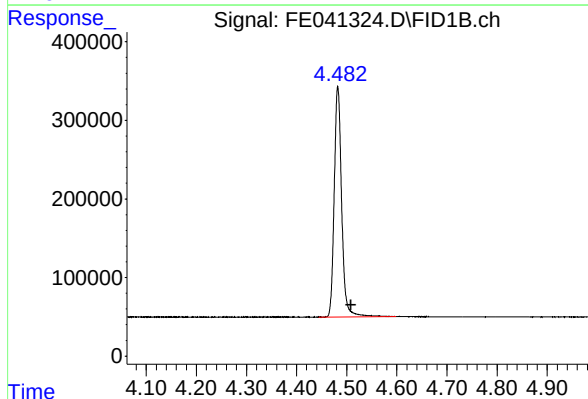
#1 n-Nonane (C9)

R.T.: 3.235 min
Delta R.T.: -0.027 min
Response: 3081158
Conc: 17.76 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

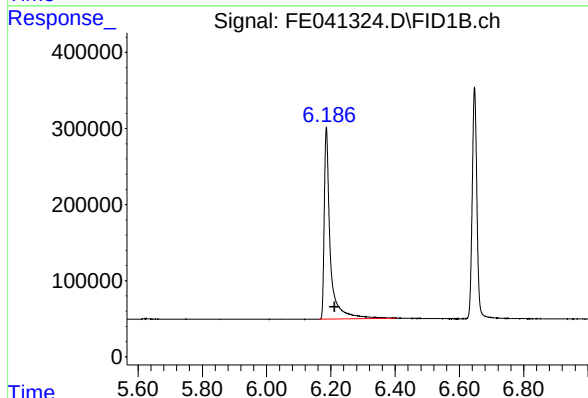
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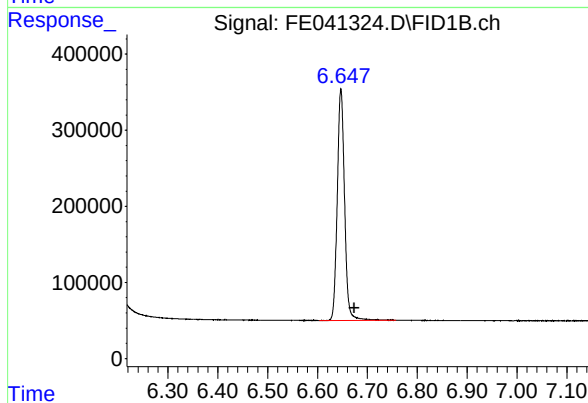
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.027 min
Response: 3023066
Conc: 17.76 ug/ml



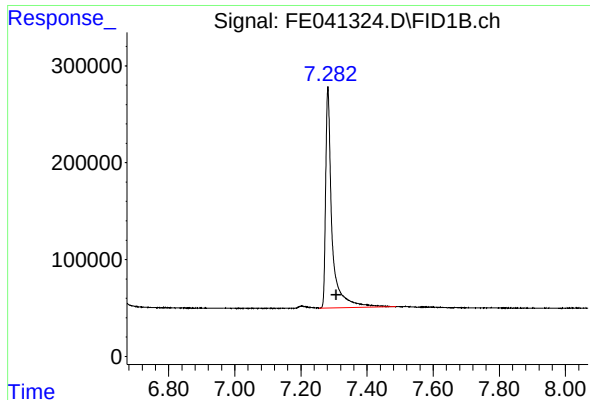
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3309436
Conc: 18.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.027 min
Response: 3096825
Conc: 17.85 ug/ml



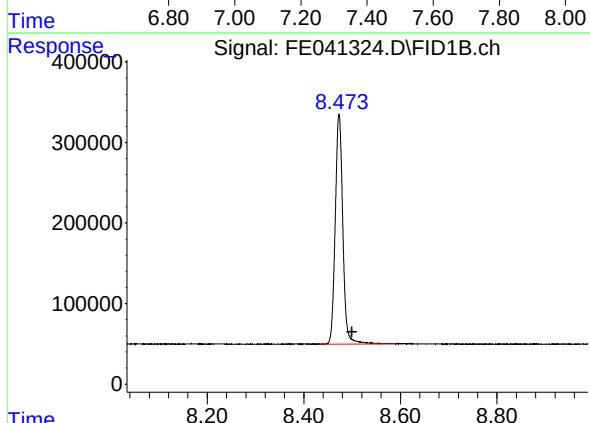
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.026 min
Response: 3060672
Conc: 18.48 ug/ml

Instrument : FID_E
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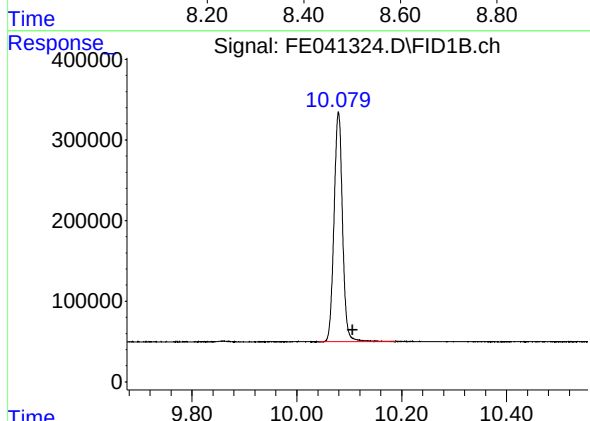
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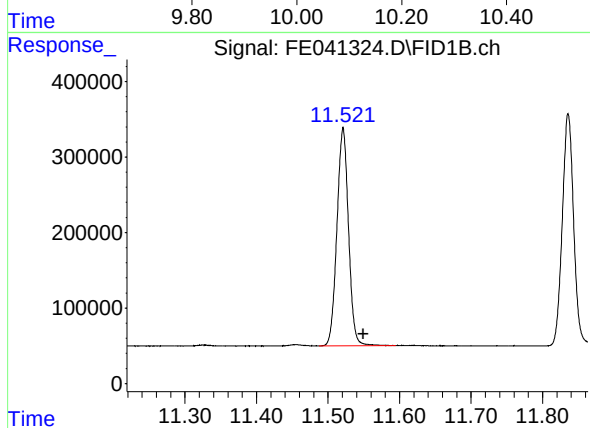
#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 3124351
Conc: 17.92 ug/ml



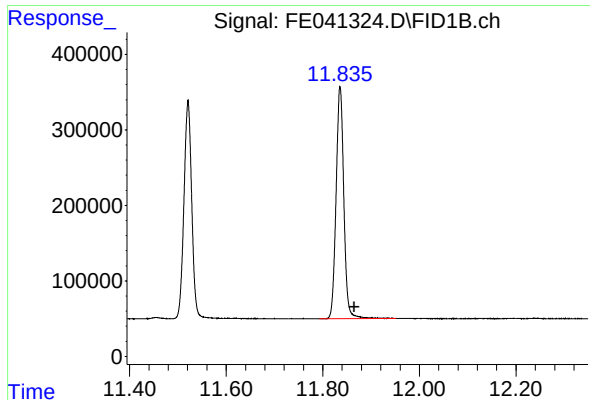
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 3201674
Conc: 18.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 3245620
Conc: 18.18 ug/ml



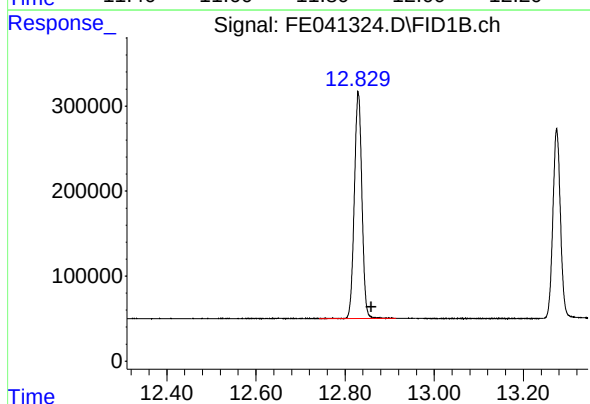
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.029 min
Response: 3437433
Conc: 18.29 ug/ml

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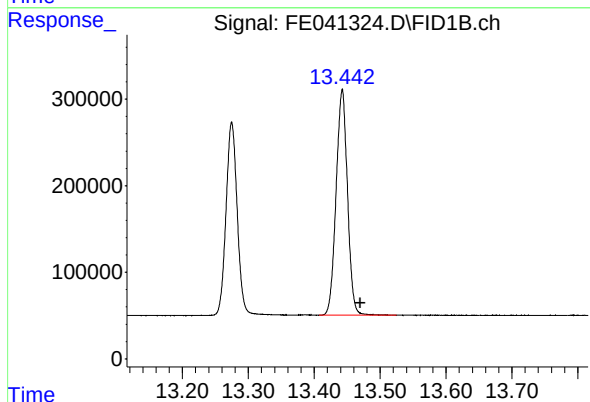
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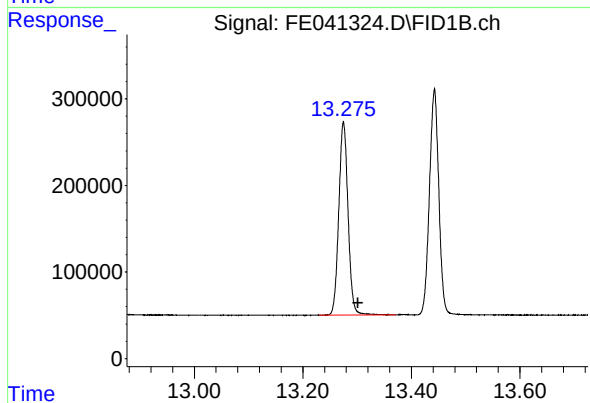
#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.029 min
Response: 3141651
Conc: 18.42 ug/ml



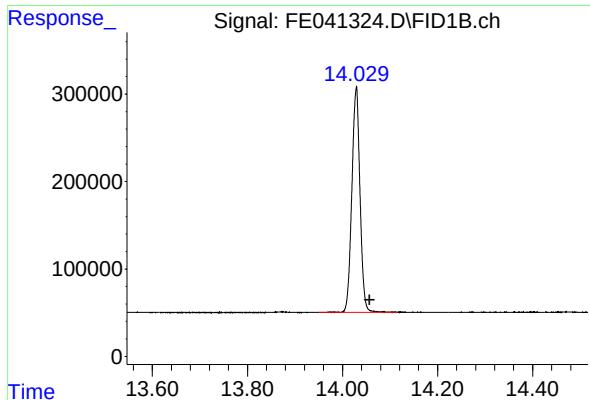
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.027 min
Response: 3132555
Conc: 18.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.027 min
Response: 2641403
Conc: 18.36 ug/ml



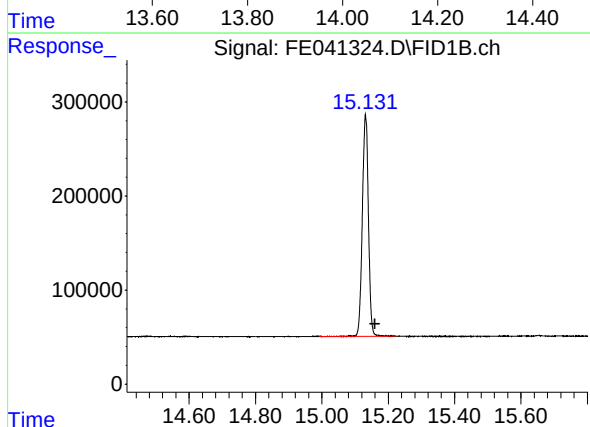
#13 n-Docosane (C22)

R.T.: 14.029 min
Delta R.T.: -0.028 min
Response: 3068039
Conc: 18.54 ug/ml

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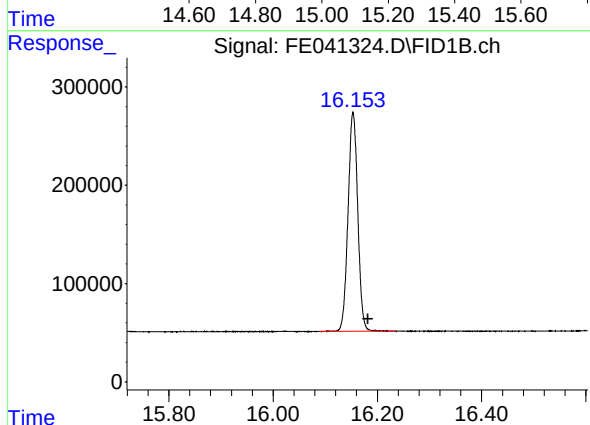
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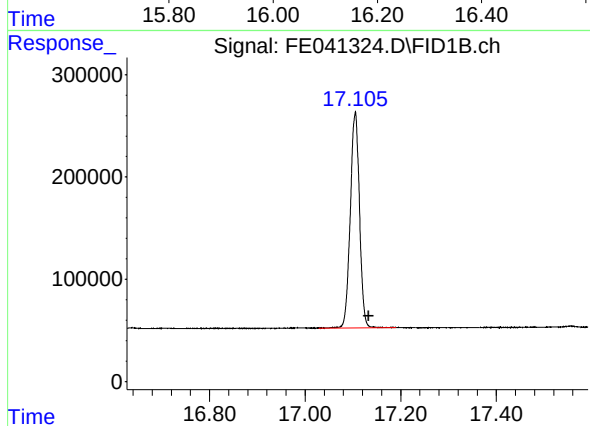
#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.029 min
Response: 2999676
Conc: 18.54 ug/ml



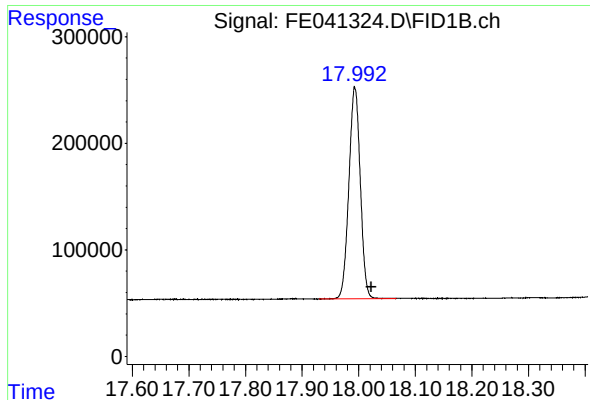
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 2890565
Conc: 18.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.028 min
Response: 2830151
Conc: 18.48 ug/ml



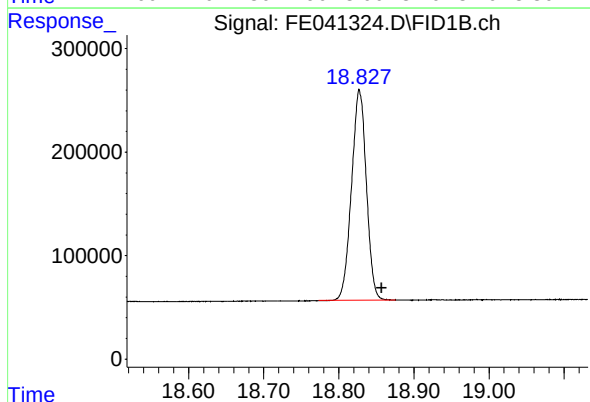
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.029 min
Response: 2777399
Conc: 18.17 ug/ml

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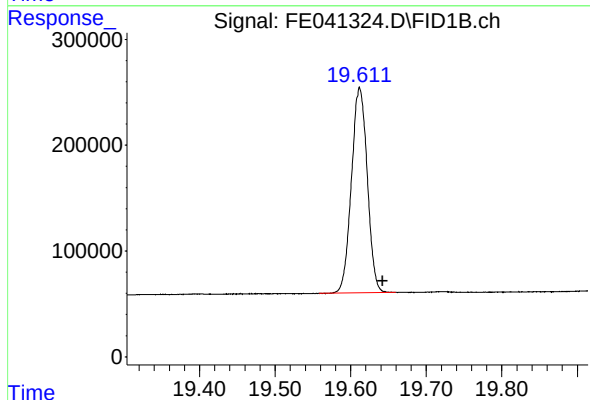
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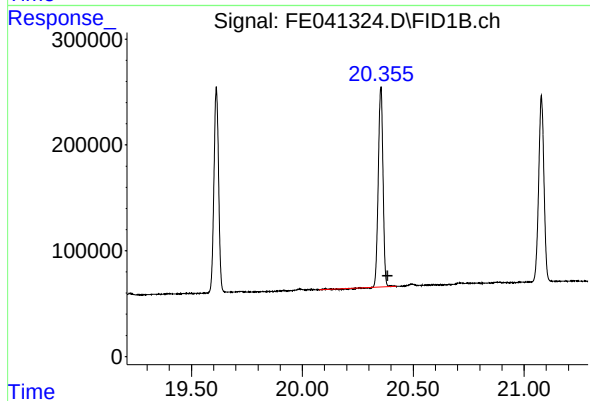
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.030 min
Response: 2794738
Conc: 17.90 ug/ml m



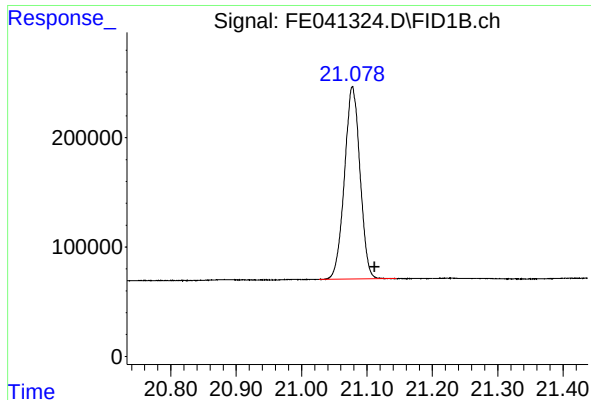
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.031 min
Response: 2824969
Conc: 18.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.030 min
Response: 2760780
Conc: 18.18 ug/ml



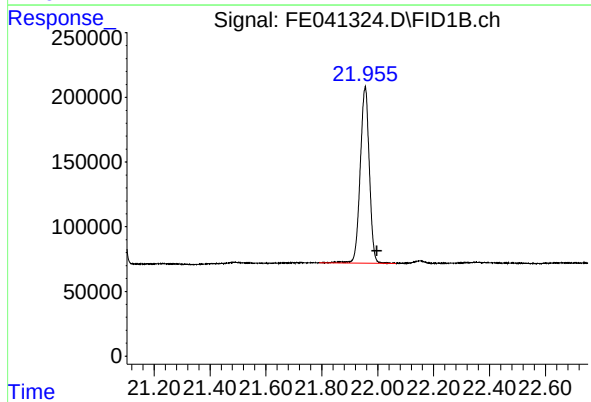
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.034 min
Response: 2908348
Conc: 18.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.955 min
Delta R.T.: -0.043 min
Response: 3081187
Conc: 19.31 ug/ml