

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011924AL\
 Data File : FE046327.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jan 2024 01:22
 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 :Ankita Jodhani 01/22/2024
 Supervised By :Sohil Jodhani 01/23/2024

Integration File: autoint1.e
 Quant Time: Jan 20 01:45:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 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)	11.827	4257540	23.428 ug/ml
Spiked Amount 50.000		Recovery =	46.86%
12) S 1-chlorooctadecane (S...	13.270	3120318	23.354 ug/ml
Spiked Amount 50.000		Recovery =	46.71%
Target Compounds			
1) T n-Nonane (C9)	3.213	3180329	20.780 ug/ml
2) T n-Decane (C10)	4.464	3421531	22.046 ug/ml
3) T A~Naphthalene (C11.7)	6.167	3645756	21.922 ug/ml
4) T n-Dodecane (C12)	6.631	3518096	22.532 ug/ml
5) T A~2-methylnaphthalene...	7.264	3560414	22.363 ug/ml
6) T n-Tetradecane (C14)	8.459	3530812	22.666 ug/ml
7) T n-Hexadecane (C16)	10.067	3646105	23.025 ug/ml
8) T n-Octadecane (C18)	11.513	3669714	23.316 ug/ml
10) T n-Eicosane (C20)	12.824	3528880	23.327 ug/ml
11) T n-Heneicosane (C21)	13.437	3445176	23.428 ug/ml
13) T n-Docosane (C22)	14.025	3392379	23.208 ug/ml
14) T n-Tetracosane (C24)	15.129	3319091	22.885 ug/ml
15) T n-Hexacosane (C26)	16.154	3217401	22.442 ug/ml
16) T n-Octacosane (C28)	17.105	3204570	22.344 ug/ml
17) T n-Tricontane (C30)	17.996	3444294	23.173 ug/ml
18) T n-Dotriacontane (C32)	18.833	3486247	23.310 ug/ml
19) T n-Tetratriacontane (C34)	19.618	3471871	24.235 ug/ml
20) T n-Hexatriacontane (C36)	20.362	3187649	21.863 ug/ml
21) T n-Octatriacontane (C38)	21.090	3595001	24.380 ug/mlm
22) T n-Tetracontane (C40)	21.987	3258968	20.821 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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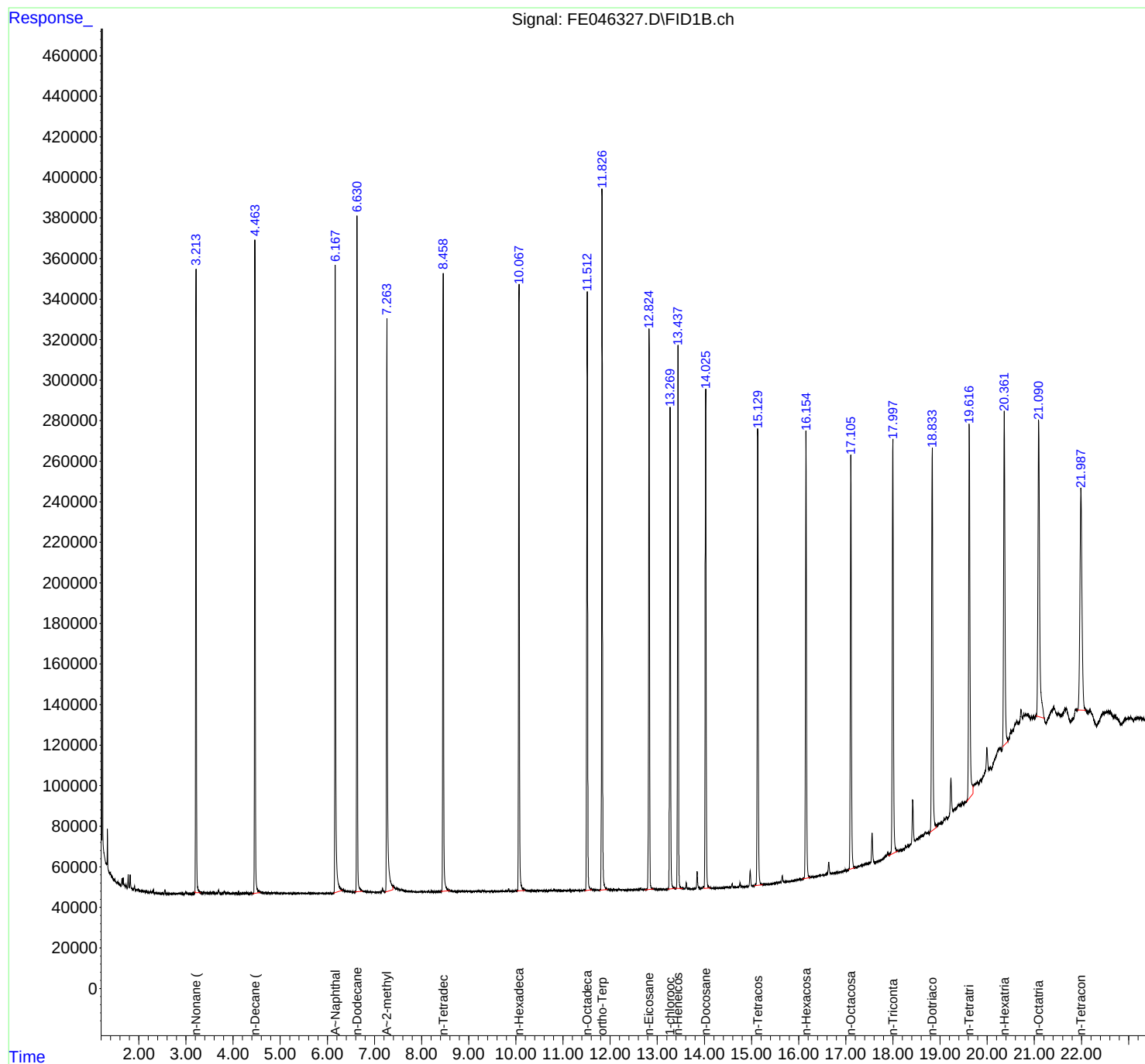
Instrument :
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20 PPM ALIPHATIC HC STD

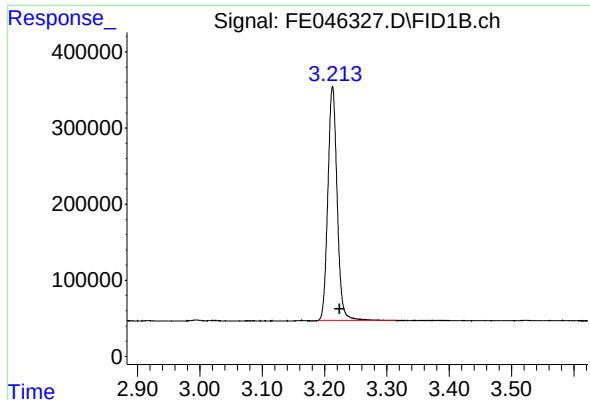
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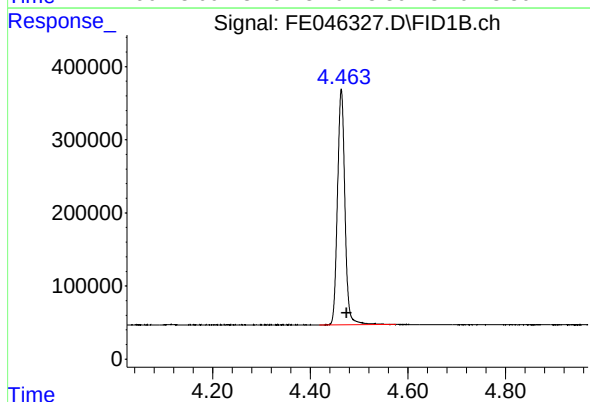
#1 n-Nonane (C9)

R.T.: 3.213 min
Delta R.T.: -0.011 min
Response: 3180329
Conc: 20.78 ug/ml

Instrument :
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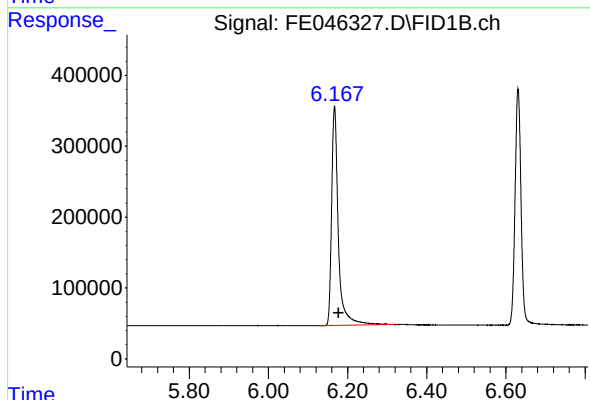
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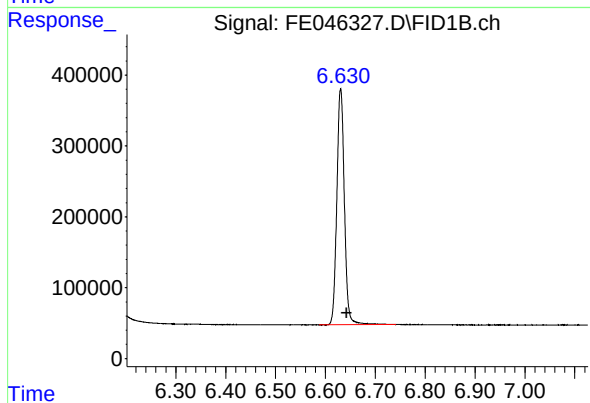
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.011 min
Response: 3421531
Conc: 22.05 ug/ml



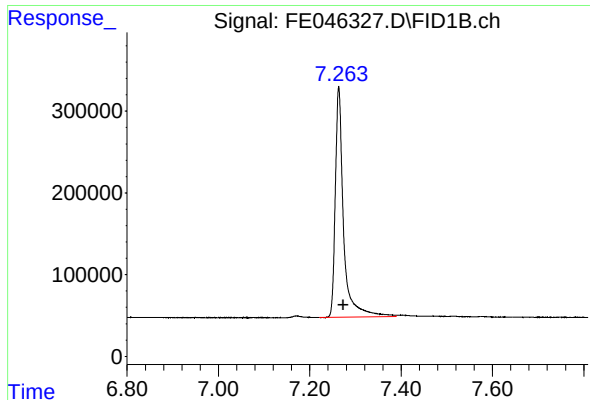
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: -0.010 min
Response: 3645756
Conc: 21.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.631 min
Delta R.T.: -0.012 min
Response: 3518096
Conc: 22.53 ug/ml



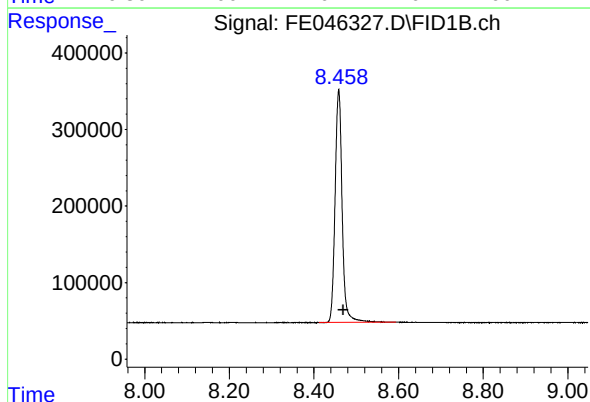
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.010 min
Response: 3560414
Conc: 22.36 ug/ml

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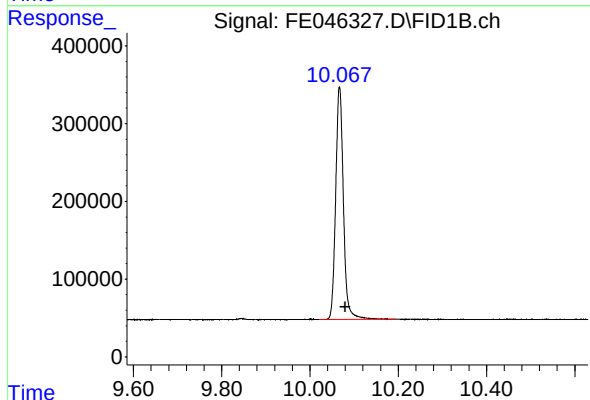
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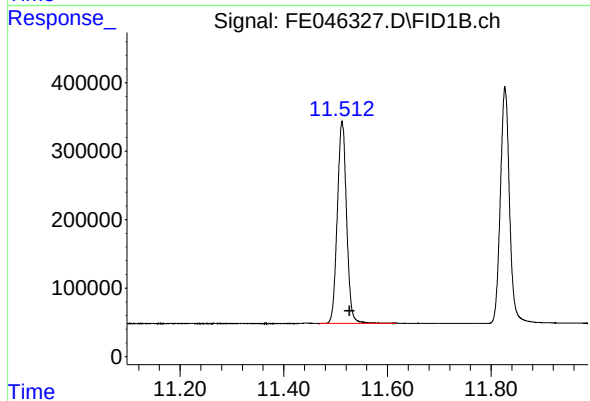
#6 n-Tetradecane (C14)

R.T.: 8.459 min
Delta R.T.: -0.011 min
Response: 3530812
Conc: 22.67 ug/ml



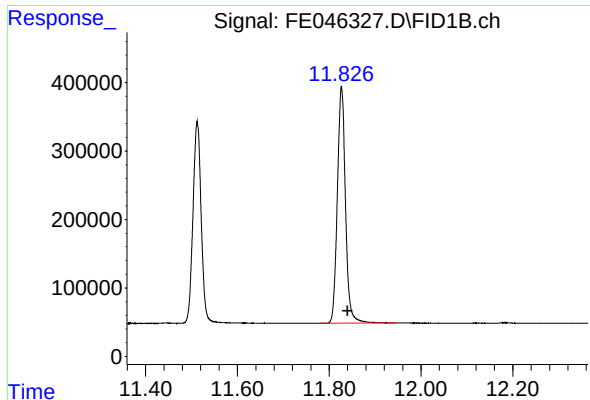
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.013 min
Response: 3646105
Conc: 23.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.014 min
Response: 3669714
Conc: 23.32 ug/ml



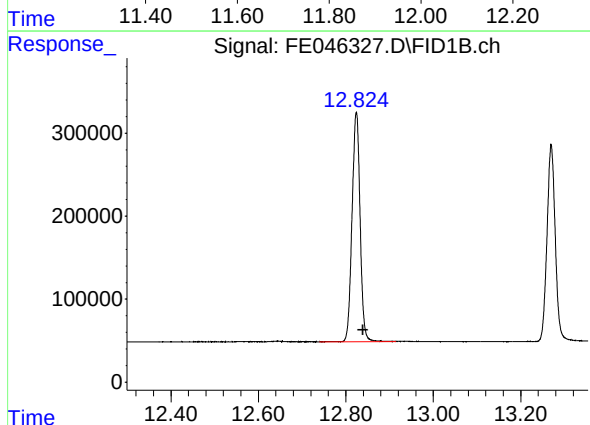
#9 ortho-Terphenyl (SURR)

R.T.: 11.827 min
Delta R.T.: -0.013 min
Response: 4257540
Conc: 23.43 ug/ml

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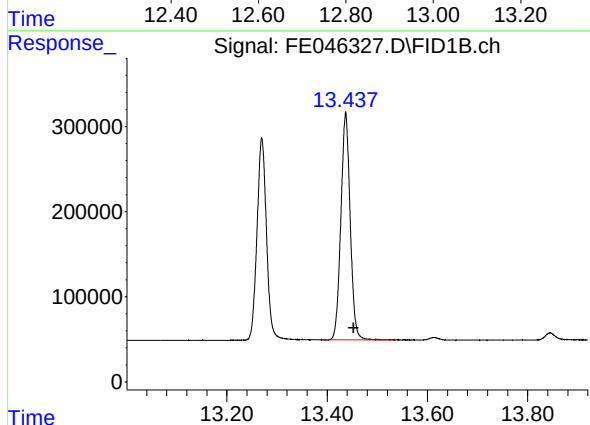
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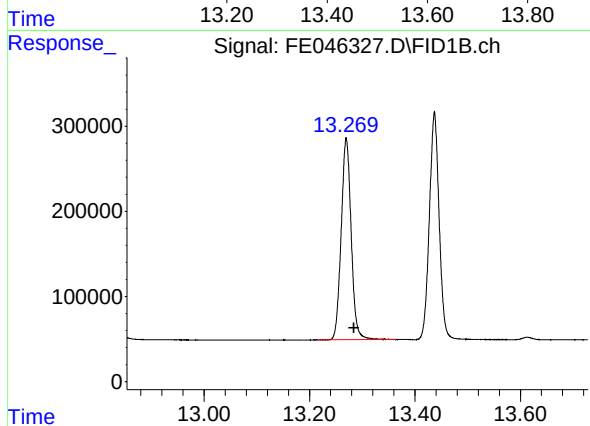
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.015 min
Response: 3528880
Conc: 23.33 ug/ml



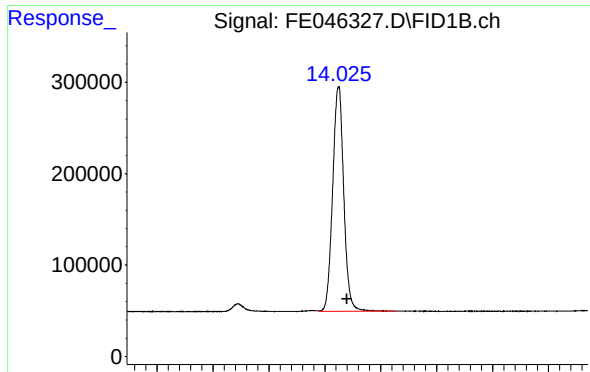
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.016 min
Response: 3445176
Conc: 23.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.015 min
Response: 3120318
Conc: 23.35 ug/ml



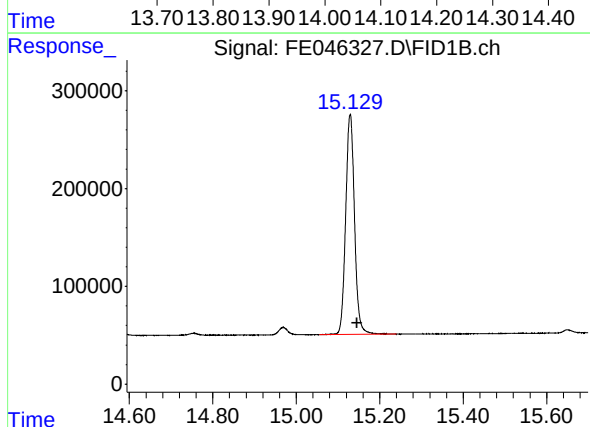
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.015 min
Response: 3392379
Conc: 23.21 ug/ml

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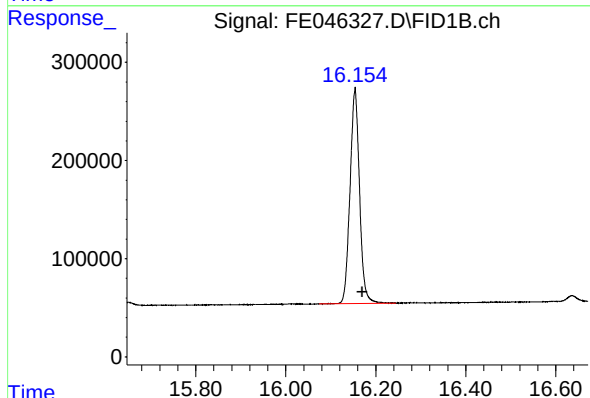
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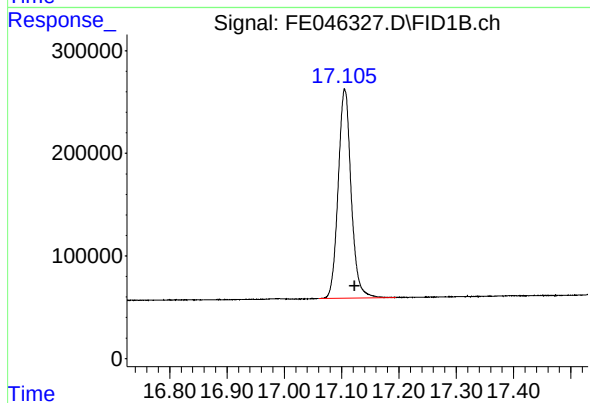
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.016 min
Response: 3319091
Conc: 22.89 ug/ml



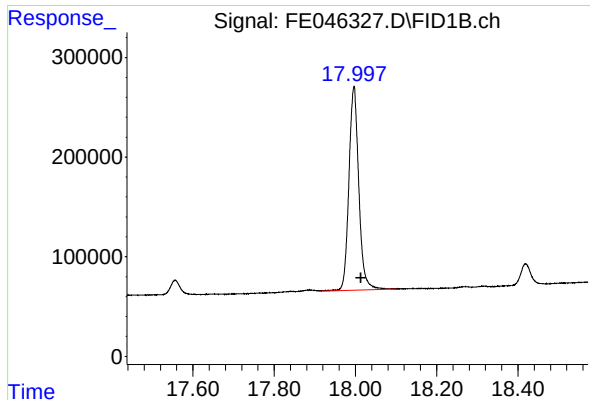
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.016 min
Response: 3217401
Conc: 22.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.017 min
Response: 3204570
Conc: 22.34 ug/ml



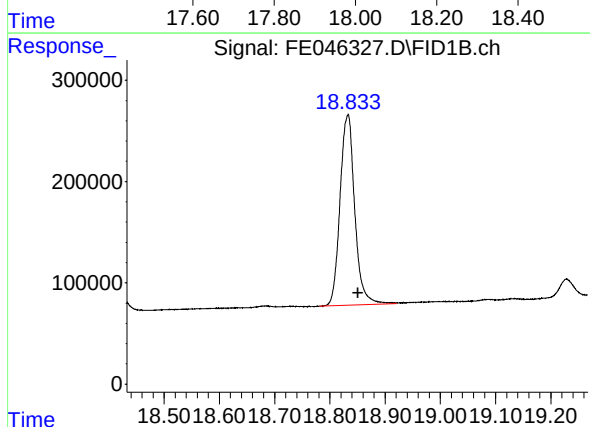
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.017 min
Response: 3444294
Conc: 23.17 ug/ml

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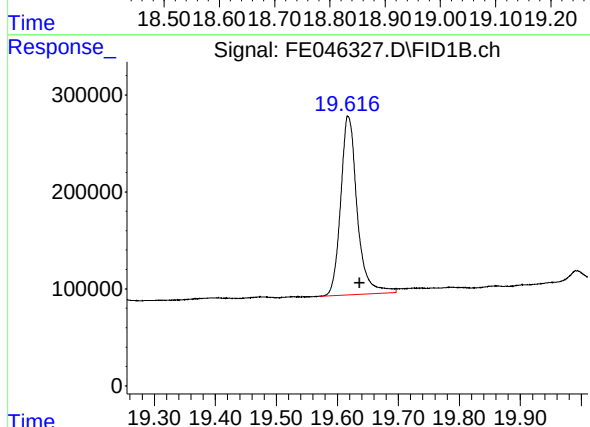
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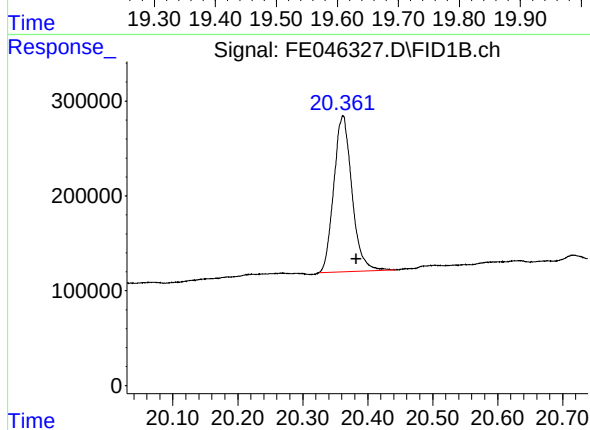
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.018 min
Response: 3486247
Conc: 23.31 ug/ml



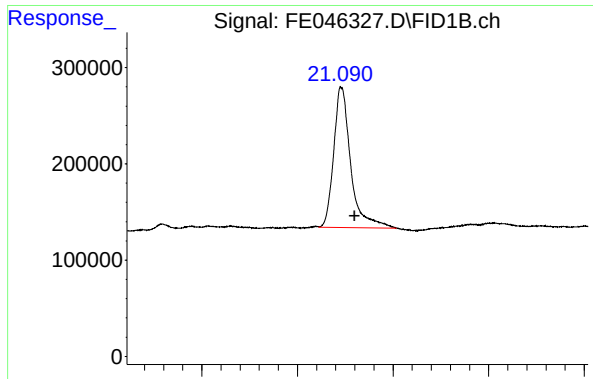
#19 n-Tetratriacontane (C34)

R.T.: 19.618 min
Delta R.T.: -0.019 min
Response: 3471871
Conc: 24.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.362 min
Delta R.T.: -0.020 min
Response: 3187649
Conc: 21.86 ug/ml



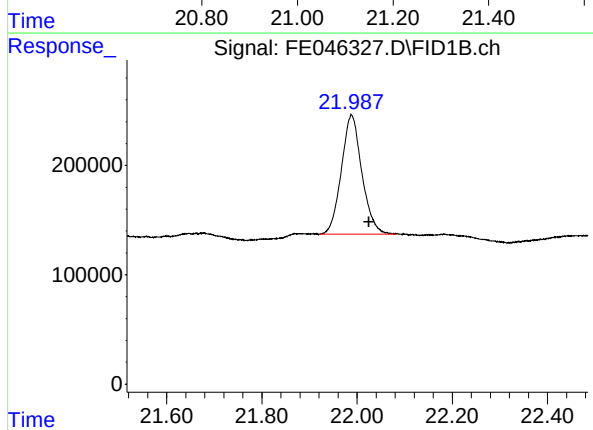
#21 n-Octatriacontane (C38)

R.T.: 21.090 min
Delta R.T.: -0.030 min
Response: 3595001
Conc: 24.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.038 min
Response: 3258968
Conc: 20.82 ug/ml m