

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080624AL\
 Data File : FE049473.D
 Signal(s) : FID1B.ch
 Acq On : 06 Aug 2024 13:25
 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 08/07/2024
 Supervised By :Ankita Jodhani 08/07/2024

Integration File: autoint1.e
 Quant Time: Aug 07 01:56:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 2024
 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)	11.893	3128351	20.169 ug/ml
Spiked Amount 50.000		Recovery =	40.34%
12) S 1-chlorooctadecane (S...	13.328	2377805	20.352 ug/ml
Spiked Amount 50.000		Recovery =	40.70%
Target Compounds			
1) T n-Nonane (C9)	3.282	2926833	19.462 ug/ml
2) T n-Decane (C10)	4.532	3016065	19.527 ug/ml
3) T A~Naphthalene (C11.7)	6.239	3063066	19.660 ug/ml
4) T n-Dodecane (C12)	6.699	3006914	19.528 ug/ml
5) T A~2-methylnaphthalene...	7.334	2799097	19.234 ug/ml
6) T n-Tetradecane (C14)	8.527	2994957	19.733 ug/ml
7) T n-Hexadecane (C16)	10.134	3031463	19.989 ug/ml
8) T n-Octadecane (C18)	11.575	3048034	20.075 ug/ml
10) T n-Eicosane (C20)	12.884	2898237	20.042 ug/ml
11) T n-Heneicosane (C21)	13.494	2845545	20.066 ug/ml
13) T n-Docosane (C22)	14.081	2839134	20.208 ug/ml
14) T n-Tetracosane (C24)	15.182	2857998	20.392 ug/ml
15) T n-Hexacosane (C26)	16.202	2851526	20.336 ug/ml
16) T n-Octacosane (C28)	17.150	2911809	20.804 ug/ml
17) T n-Tricontane (C30)	18.037	3112876	21.340 ug/ml
18) T n-Dotriacontane (C32)	18.867	3168718	21.550 ug/ml
19) T n-Tetratriacontane (C34)	19.650	3159859	21.633 ug/ml
20) T n-Hexatriacontane (C36)	20.389	3129145	21.706 ug/ml
21) T n-Octatriacontane (C38)	21.118	3120893	20.849 ug/ml
22) T n-Tetracontane (C40)	22.015	3092737	20.495 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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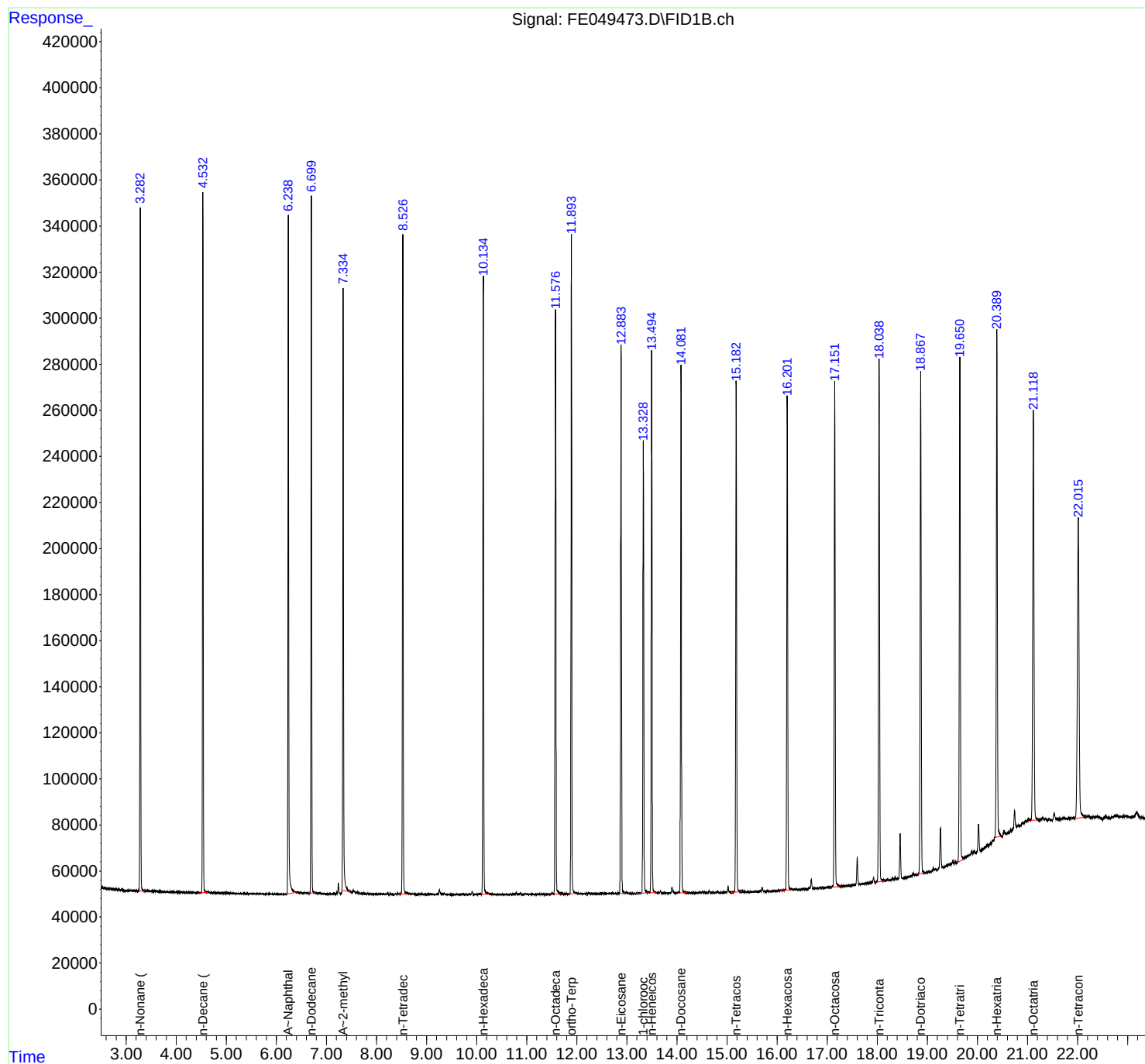
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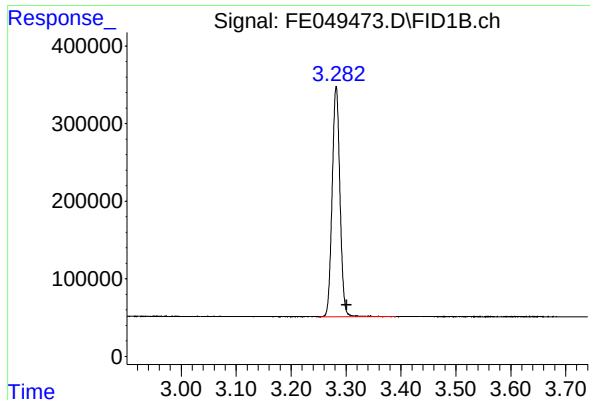
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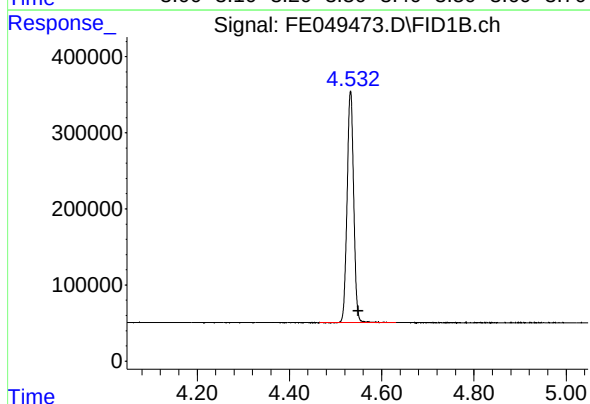
#1 n-Nonane (C9)

R.T.: 3.282 min
Delta R.T.: -0.019 min
Response: 2926833
Conc: 19.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

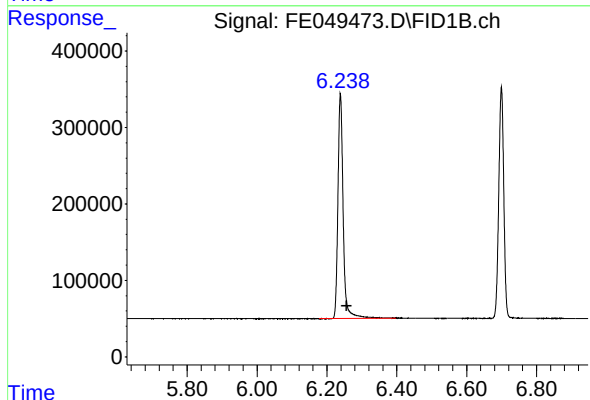
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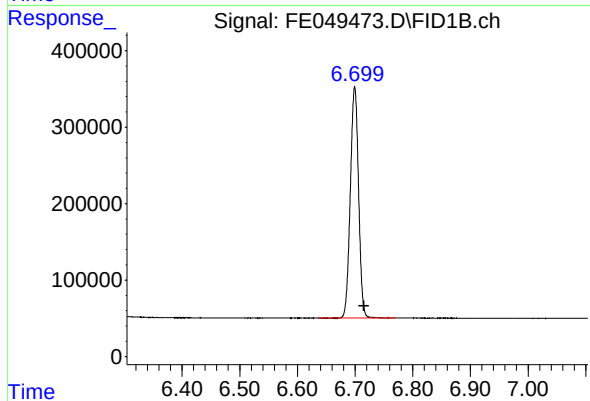
#2 n-Decane (C10)

R.T.: 4.532 min
Delta R.T.: -0.017 min
Response: 3016065
Conc: 19.53 ug/ml



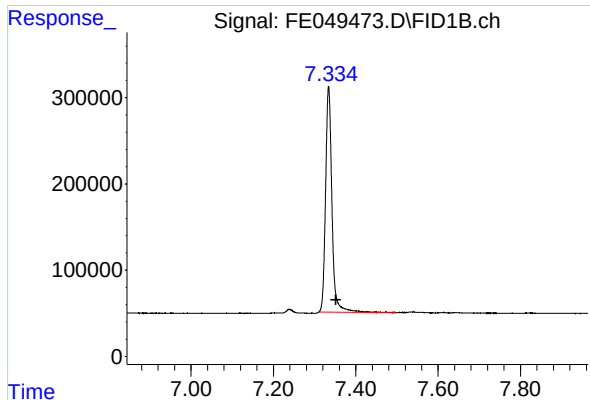
#3 A~Naphthalene (C11.7)

R.T.: 6.239 min
Delta R.T.: -0.018 min
Response: 3063066
Conc: 19.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.699 min
Delta R.T.: -0.016 min
Response: 3006914
Conc: 19.53 ug/ml



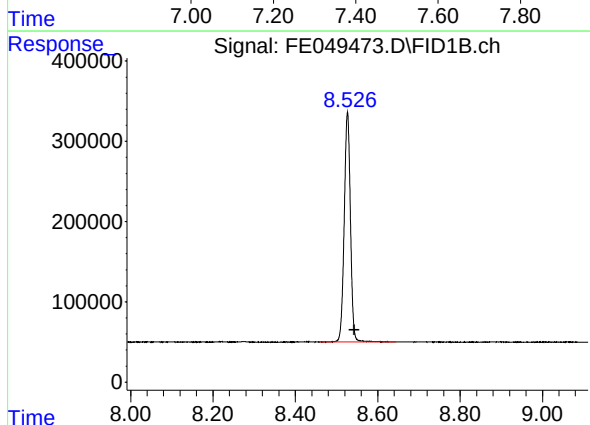
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.334 min
Delta R.T.: -0.018 min
Response: 2799097
Conc: 19.23 ug/ml

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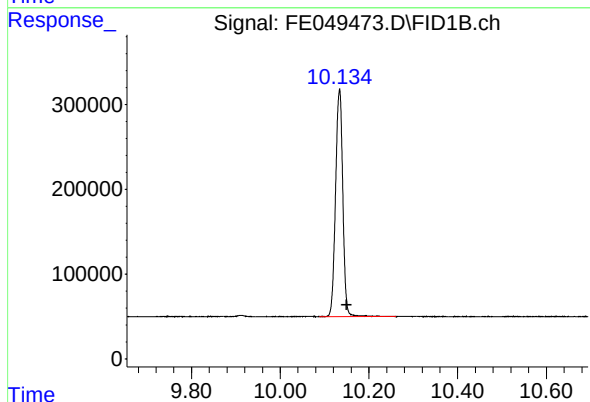
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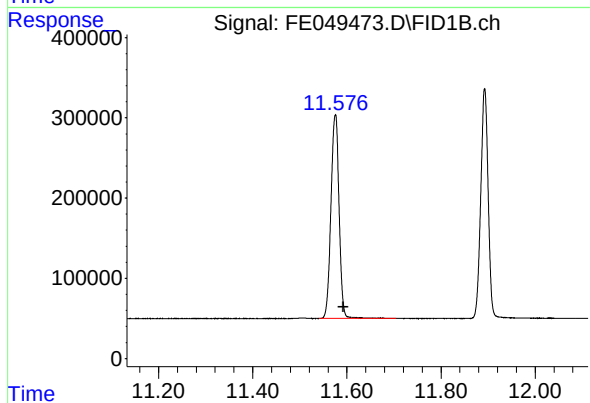
#6 n-Tetradecane (C14)

R.T.: 8.527 min
Delta R.T.: -0.016 min
Response: 2994957
Conc: 19.73 ug/ml



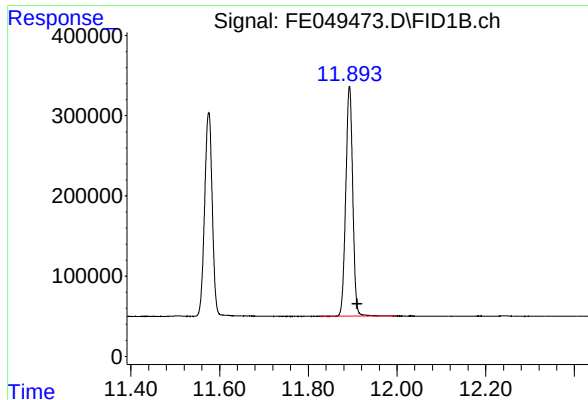
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: -0.016 min
Response: 3031463
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.018 min
Response: 3048034
Conc: 20.08 ug/ml



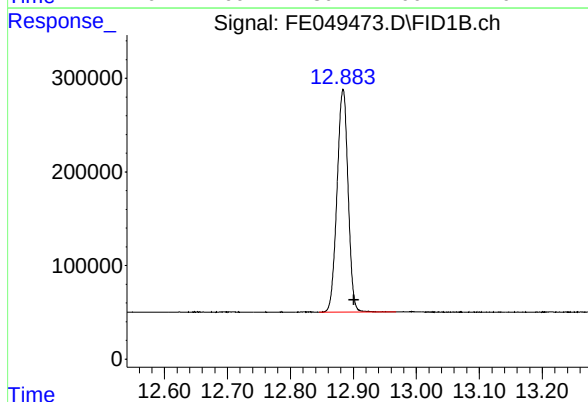
#9 ortho-Terphenyl (SURRE)

R.T.: 11.893 min
Delta R.T.: -0.018 min
Response: 3128351
Conc: 20.17 ug/ml

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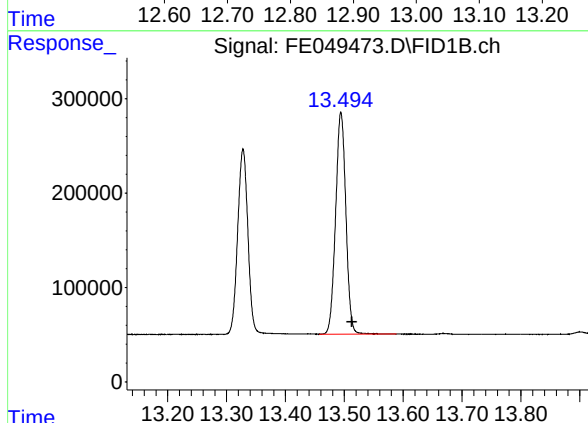
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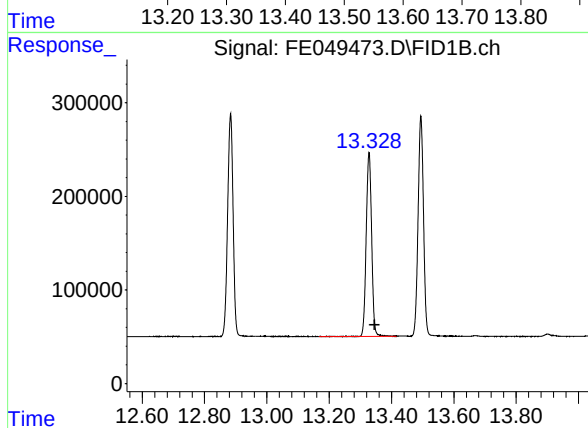
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: -0.018 min
Response: 2898237
Conc: 20.04 ug/ml



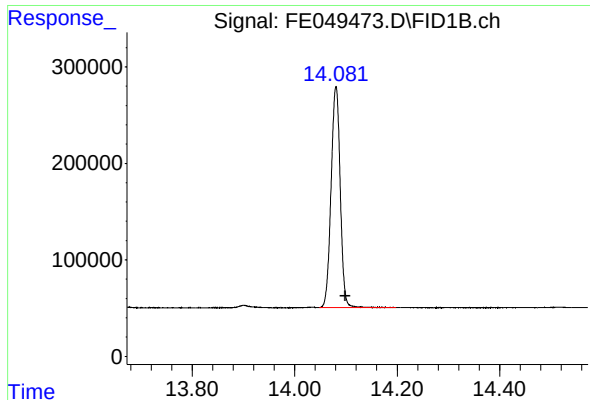
#11 n-Heneicosane (C21)

R.T.: 13.494 min
Delta R.T.: -0.019 min
Response: 2845545
Conc: 20.07 ug/ml



#12 1-chlorooctadecane (SURRE)

R.T.: 13.328 min
Delta R.T.: -0.018 min
Response: 2377805
Conc: 20.35 ug/ml



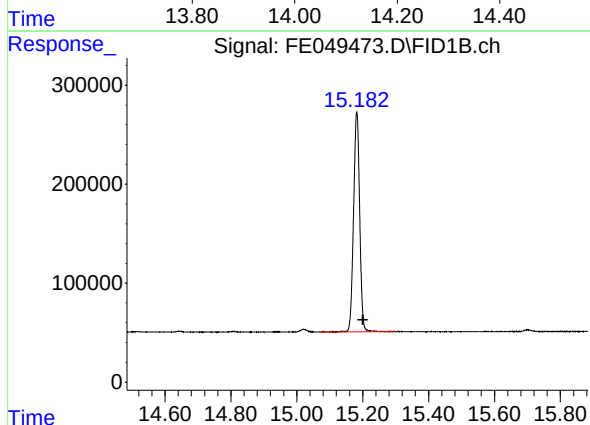
#13 n-Docosane (C22)

R.T.: 14.081 min
Delta R.T.: -0.018 min
Response: 2839134
Conc: 20.21 ug/ml

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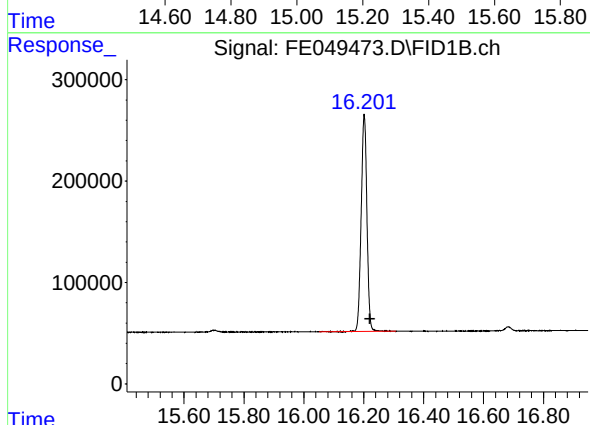
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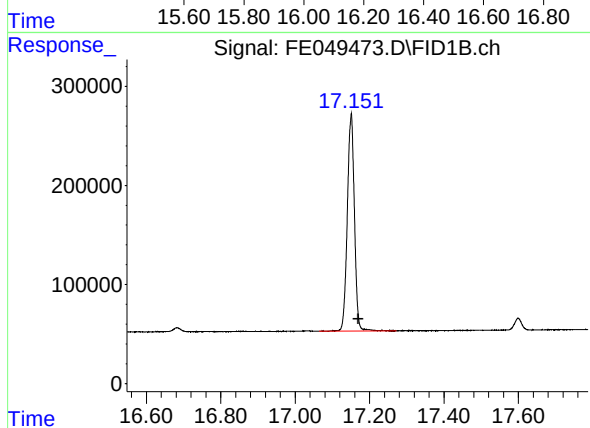
#14 n-Tetracosane (C24)

R.T.: 15.182 min
Delta R.T.: -0.018 min
Response: 2857998
Conc: 20.39 ug/ml



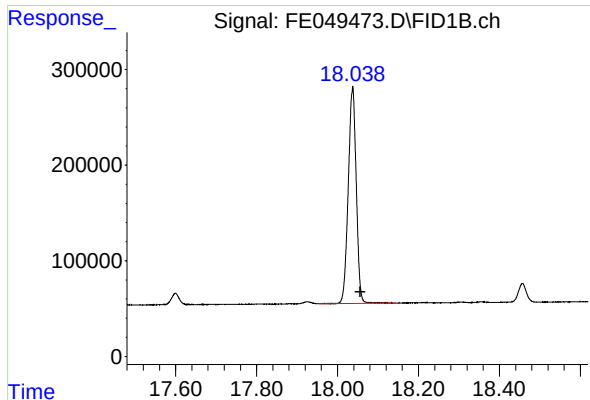
#15 n-Hexacosane (C26)

R.T.: 16.202 min
Delta R.T.: -0.019 min
Response: 2851526
Conc: 20.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 2911809
Conc: 20.80 ug/ml



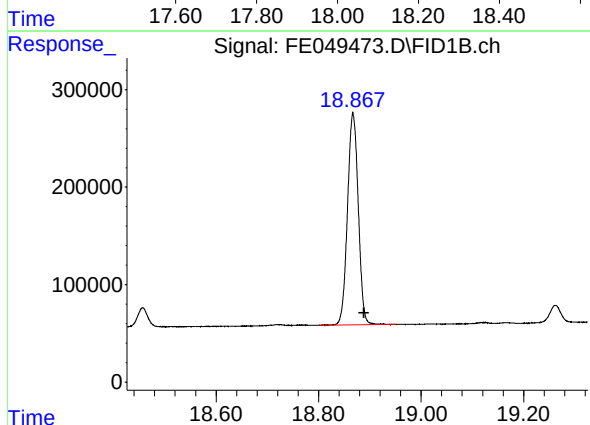
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.020 min
Response: 3112876
Conc: 21.34 ug/ml

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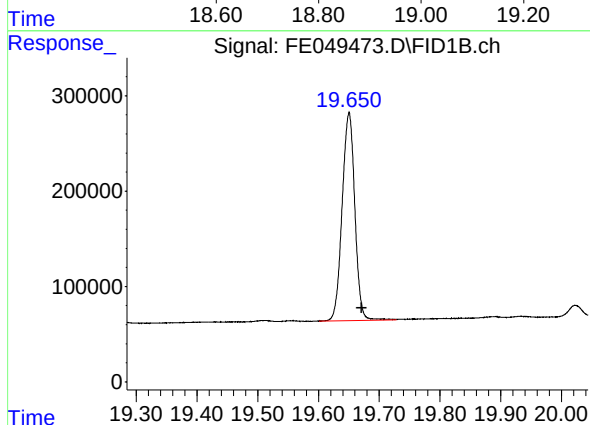
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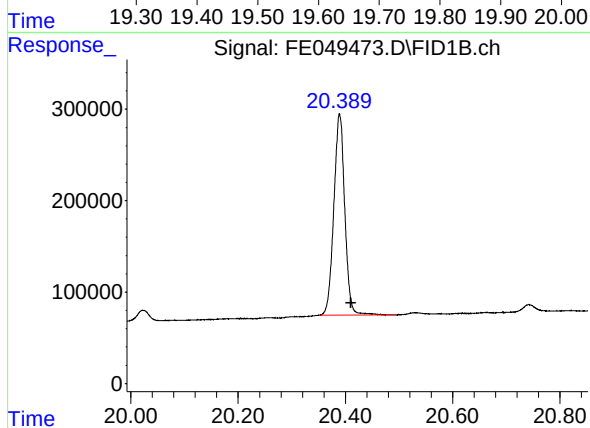
#18 n-Dotriacontane (C32)

R.T.: 18.867 min
Delta R.T.: -0.021 min
Response: 3168718
Conc: 21.55 ug/ml



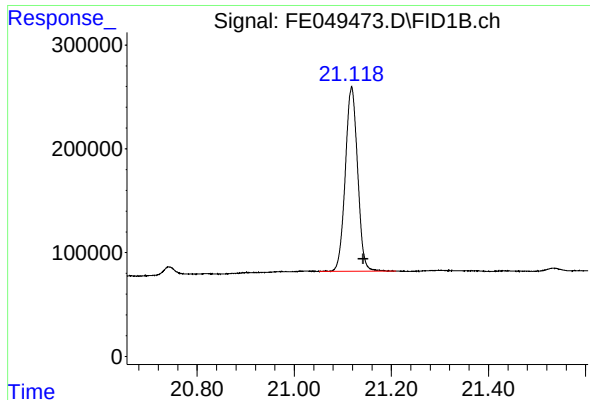
#19 n-Tetratriacontane (C34)

R.T.: 19.650 min
Delta R.T.: -0.021 min
Response: 3159859
Conc: 21.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: -0.021 min
Response: 3129145
Conc: 21.71 ug/ml



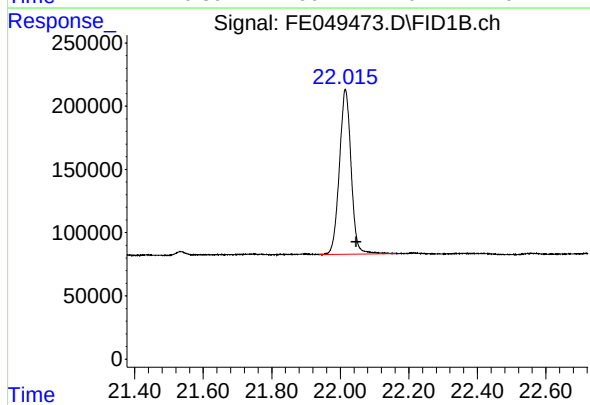
#21 n-Octatriacontane (C38)

R.T.: 21.118 min
Delta R.T.: -0.024 min
Response: 3120893
Conc: 20.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.015 min
Delta R.T.: -0.032 min
Response: 3092737
Conc: 20.49 ug/ml m