

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE073123AL\
 Data File : FE043629.D
 Signal(s) : FID1B.ch
 Acq On : 31 Jul 2023 11:01
 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 08/01/2023
 Supervised By :Ankita Jodhani 08/01/2023

Integration File: autoint1.e
 Quant Time: Jul 31 12:04:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071323.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 13 03:02:53 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)	11.888	3298035	18.418 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
12) S 1-chlorooctadecane (S...	13.325	2403066	18.289 ug/ml
Spiked Amount 50.000		Recovery =	36.58%
Target Compounds			
1) T n-Nonane (C9)	3.263	2800788	18.344 ug/ml
2) T n-Decane (C10)	4.516	2892956	18.557 ug/ml
3) T A~Naphthalene (C11.7)	6.229	2952660	18.349 ug/ml
4) T n-Dodecane (C12)	6.687	2914001	18.493 ug/ml
5) T A~2-methylnaphthalene...	7.327	2771705	18.266 ug/ml
6) T n-Tetradecane (C14)	8.517	2889722	18.270 ug/ml
7) T n-Hexadecane (C16)	10.125	2980593	18.418 ug/ml
8) T n-Octadecane (C18)	11.569	2996159	18.379 ug/ml
10) T n-Eicosane (C20)	12.878	2849537	18.341 ug/ml
11) T n-Heneicosane (C21)	13.491	2779651	18.347 ug/ml
13) T n-Docosane (C22)	14.078	2741206	18.342 ug/ml
14) T n-Tetracosane (C24)	15.179	2682084	18.263 ug/ml
15) T n-Hexacosane (C26)	16.201	2607399	18.307 ug/ml
16) T n-Octacosane (C28)	17.152	2559505	18.191 ug/ml
17) T n-Tricontane (C30)	18.040	2633878	17.879 ug/ml
18) T n-Dotriacontane (C32)	18.874	2637315	17.798 ug/ml
19) T n-Tetratriacontane (C34)	19.657	2626157	18.197 ug/ml
20) T n-Hexatriacontane (C36)	20.397	2678937	18.227 ug/mlm
21) T n-Octatriacontane (C38)	21.134	2778316	19.476 ug/mlm
22) T n-Tetracontane (C40)	22.042	2910409	19.720 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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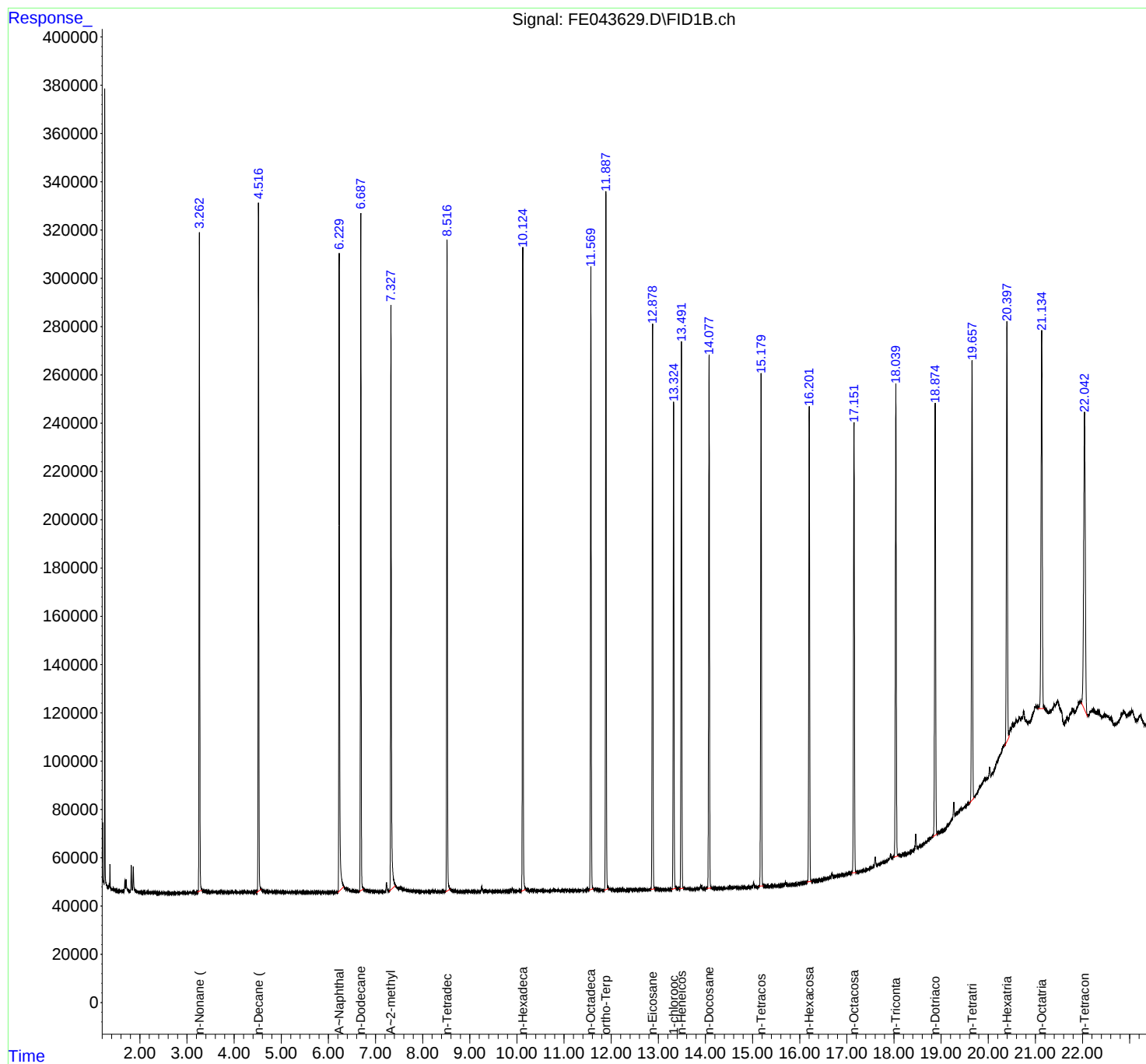
Instrument :
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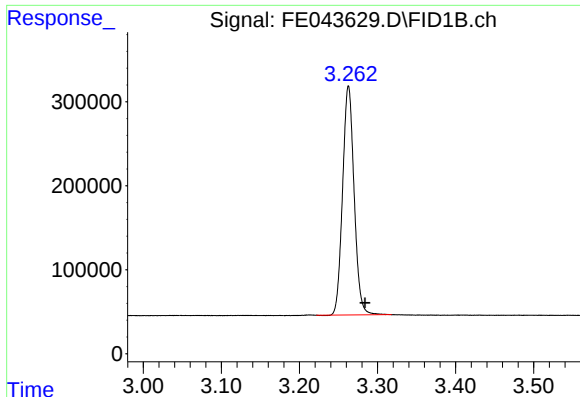
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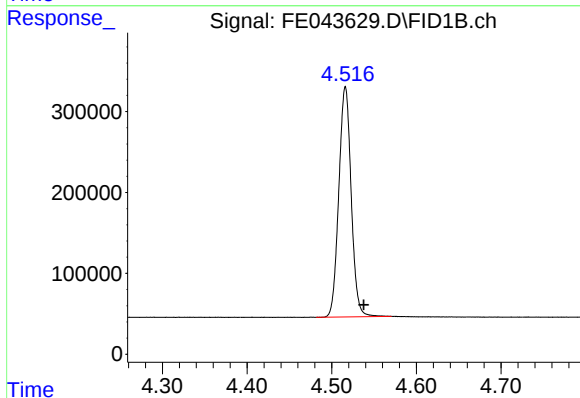
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: -0.021 min
Response: 2800788
Conc: 18.34 ug/ml

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20 PPM ALIPHATIC HC STD

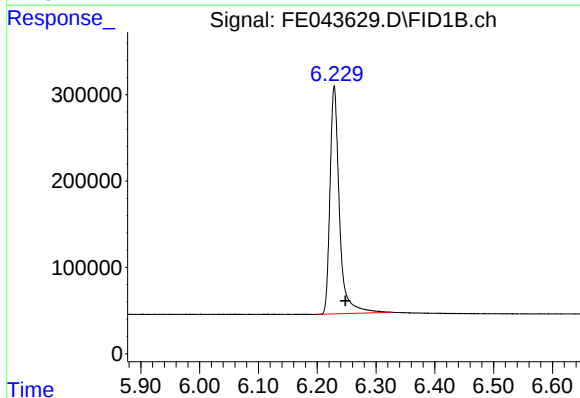
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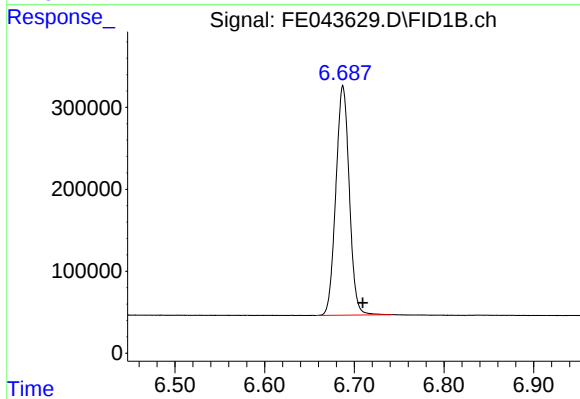
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.022 min
Response: 2892956
Conc: 18.56 ug/ml



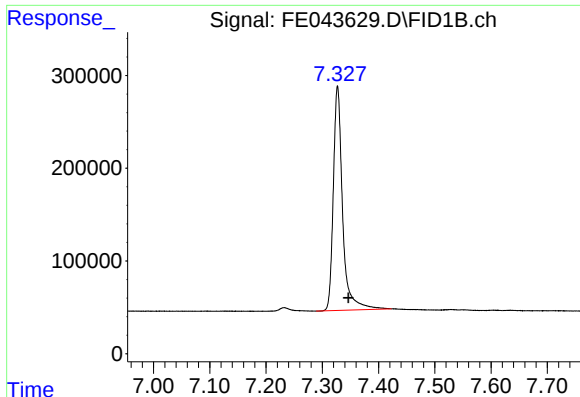
#3 A~Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: -0.019 min
Response: 2952660
Conc: 18.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.022 min
Response: 2914001
Conc: 18.49 ug/ml



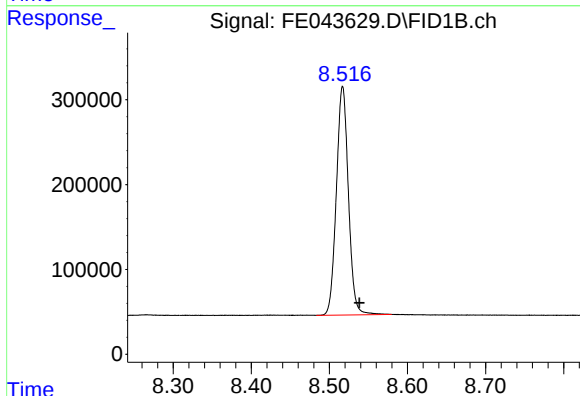
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.019 min
Response: 2771705
Conc: 18.27 ug/ml

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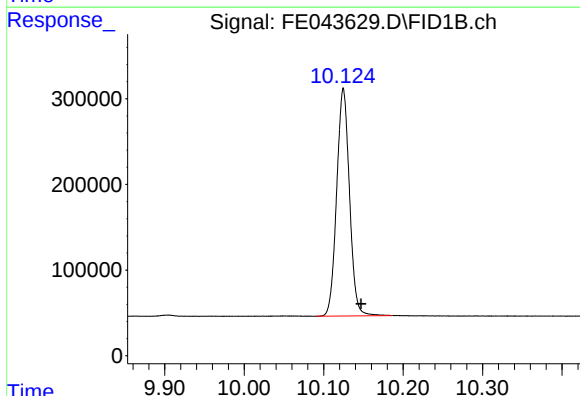
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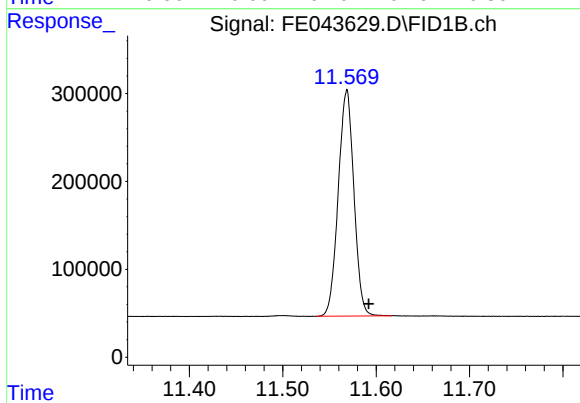
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: -0.021 min
Response: 2889722
Conc: 18.27 ug/ml



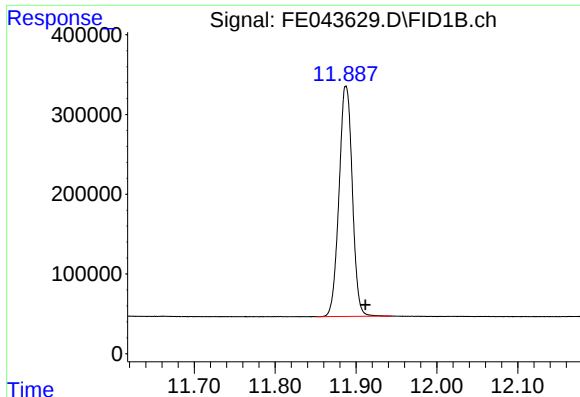
#7 n-Hexadecane (C16)

R.T.: 10.125 min
Delta R.T.: -0.022 min
Response: 2980593
Conc: 18.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.569 min
Delta R.T.: -0.024 min
Response: 2996159
Conc: 18.38 ug/ml



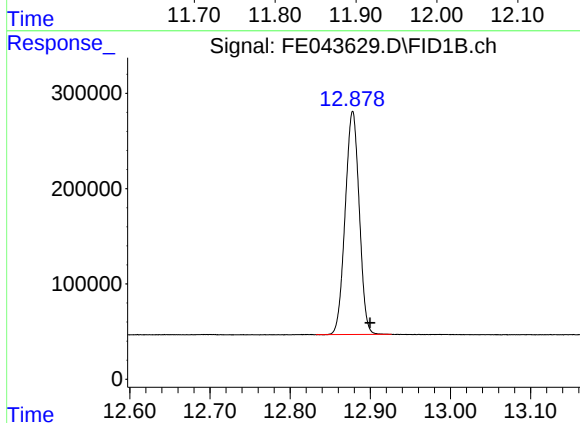
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.024 min
Response: 3298035
Conc: 18.42 ug/ml

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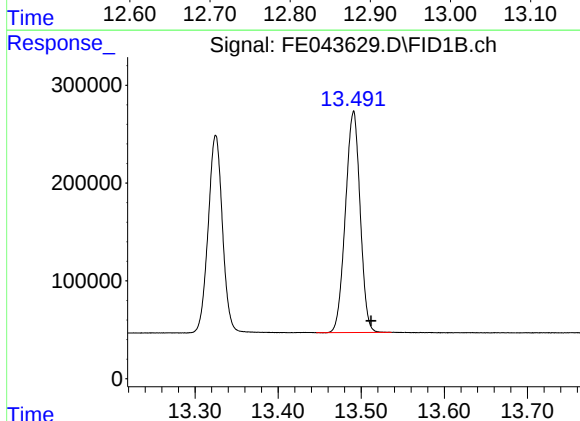
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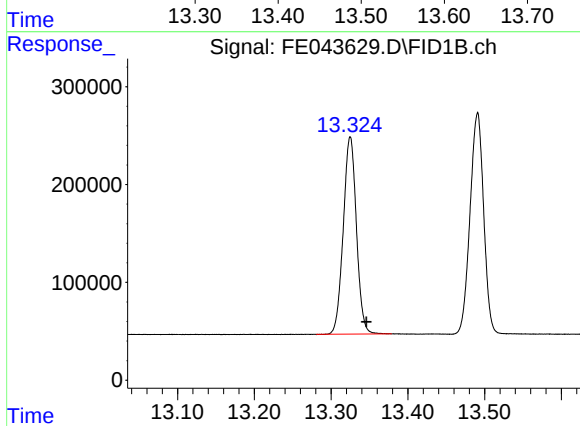
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: -0.022 min
Response: 2849537
Conc: 18.34 ug/ml



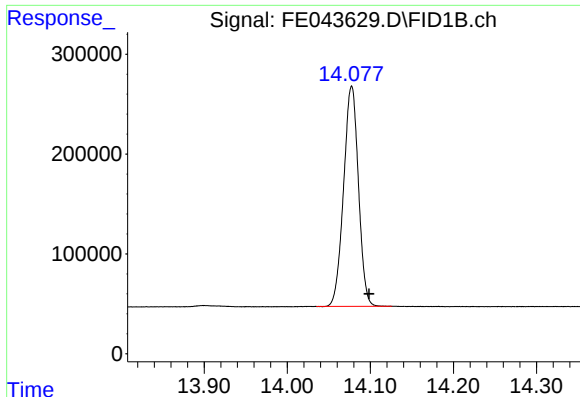
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: -0.021 min
Response: 2779651
Conc: 18.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.325 min
Delta R.T.: -0.021 min
Response: 2403066
Conc: 18.29 ug/ml



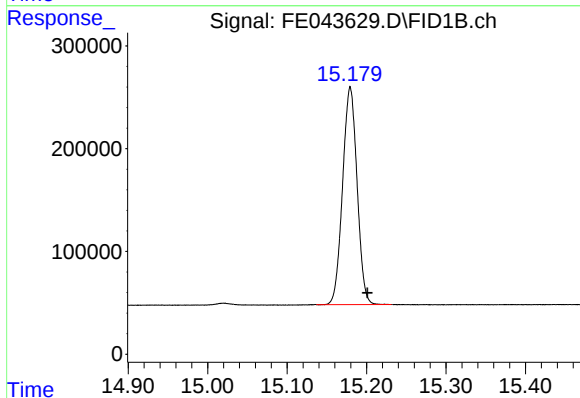
#13 n-Docosane (C22)

R.T.: 14.078 min
Delta R.T.: -0.021 min
Response: 2741206
Conc: 18.34 ug/ml

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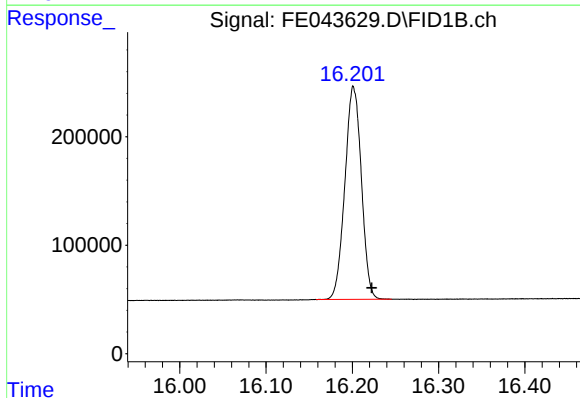
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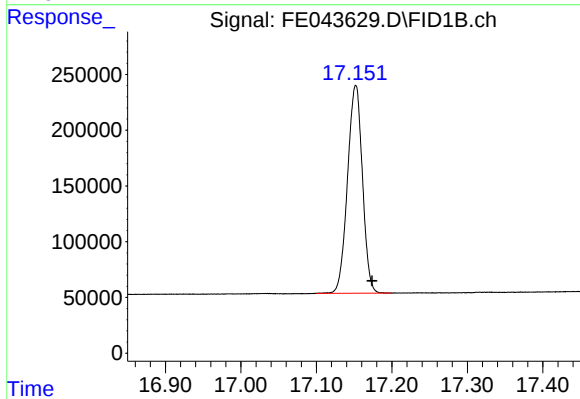
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.022 min
Response: 2682084
Conc: 18.26 ug/ml



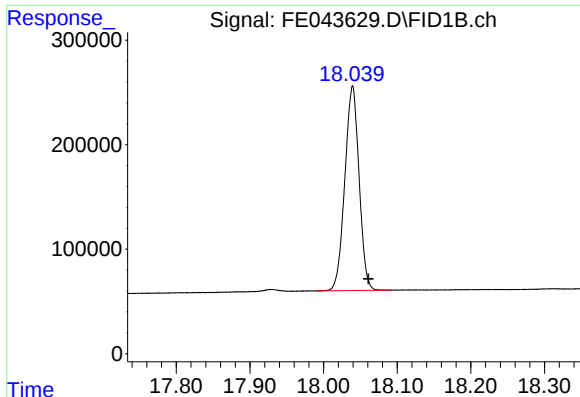
#15 n-Hexacosane (C26)

R.T.: 16.201 min
Delta R.T.: -0.021 min
Response: 2607399
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.021 min
Response: 2559505
Conc: 18.19 ug/ml



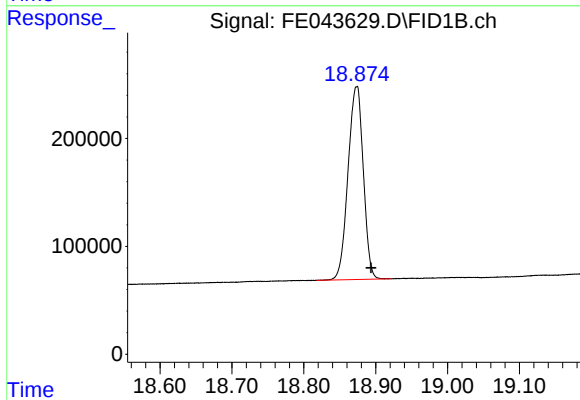
#17 n-Tricontane (C30)

R.T.: 18.040 min
Delta R.T.: -0.022 min
Response: 2633878
Conc: 17.88 ug/ml

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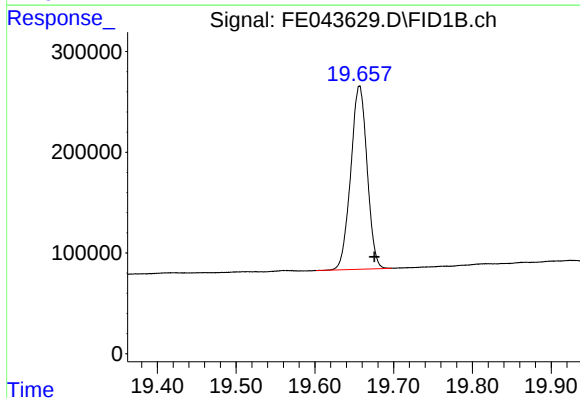
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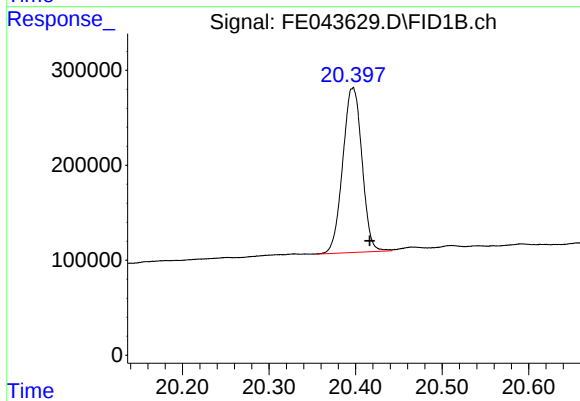
#18 n-Dotriacontane (C32)

R.T.: 18.874 min
Delta R.T.: -0.020 min
Response: 2637315
Conc: 17.80 ug/ml



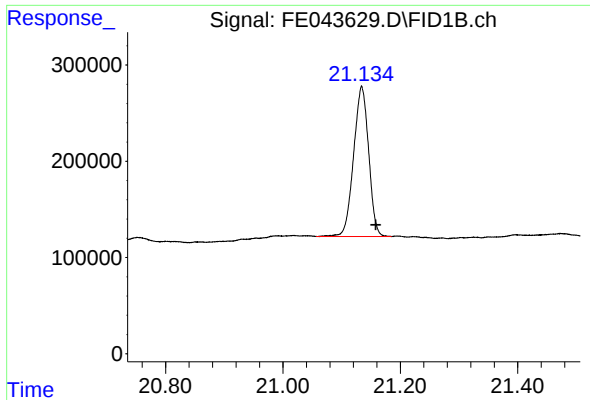
#19 n-Tetratriacontane (C34)

R.T.: 19.657 min
Delta R.T.: -0.019 min
Response: 2626157
Conc: 18.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.397 min
Delta R.T.: -0.019 min
Response: 2678937
Conc: 18.23 ug/ml m



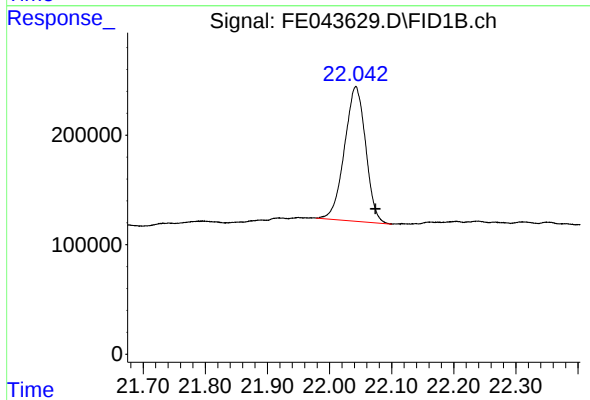
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.025 min
Response: 2778316
Conc: 19.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.042 min
Delta R.T.: -0.032 min
Response: 2910409
Conc: 19.72 ug/ml m