

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061223AL\
 Data File : FE042546.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2023 08:45
 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 06/13/2023
 Supervised By :Ankita Jodhani 06/13/2023

Integration File: autoint1.e
 Quant Time: Jun 12 10:52:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.944	3418264	19.358 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
12) S 1-chlorooctadecane (S...	13.381	2532897	19.062 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
Target Compounds			
1) T n-Nonane (C9)	3.322	2788167	19.336 ug/ml
2) T n-Decane (C10)	4.574	2949983	19.927 ug/ml
3) T A~Naphthalene (C11.7)	6.284	3168887	19.422 ug/ml
4) T n-Dodecane (C12)	6.744	2988089	19.927 ug/ml
5) T A~2-methylnaphthalene...	7.382	3054882	19.249 ug/ml
6) T n-Tetradecane (C14)	8.573	2963313	19.781 ug/ml
7) T n-Hexadecane (C16)	10.181	3076376	19.749 ug/ml
8) T n-Octadecane (C18)	11.625	3101307	19.612 ug/ml
10) T n-Eicosane (C20)	12.935	2956887	19.507 ug/ml
11) T n-Heneicosane (C21)	13.548	2884648	19.471 ug/ml
13) T n-Docosane (C22)	14.134	2832147	19.319 ug/ml
14) T n-Tetracosane (C24)	15.237	2773488	19.213 ug/ml
15) T n-Hexacosane (C26)	16.258	2695871	19.465 ug/ml
16) T n-Octacosane (C28)	17.208	2713024	20.264 ug/ml
17) T n-Tricontane (C30)	18.097	2953344	21.878 ug/ml
18) T n-Dotriacontane (C32)	18.930	3042606	22.776 ug/ml
19) T n-Tetratriacontane (C34)	19.714	2896511	22.025 ug/mlm
20) T n-Hexatriacontane (C36)	20.454	2779646	21.386 ug/ml
21) T n-Octatriacontane (C38)	21.201	2862412	21.098 ug/ml
22) T n-Tetracontane (C40)	22.133	2837173	20.394 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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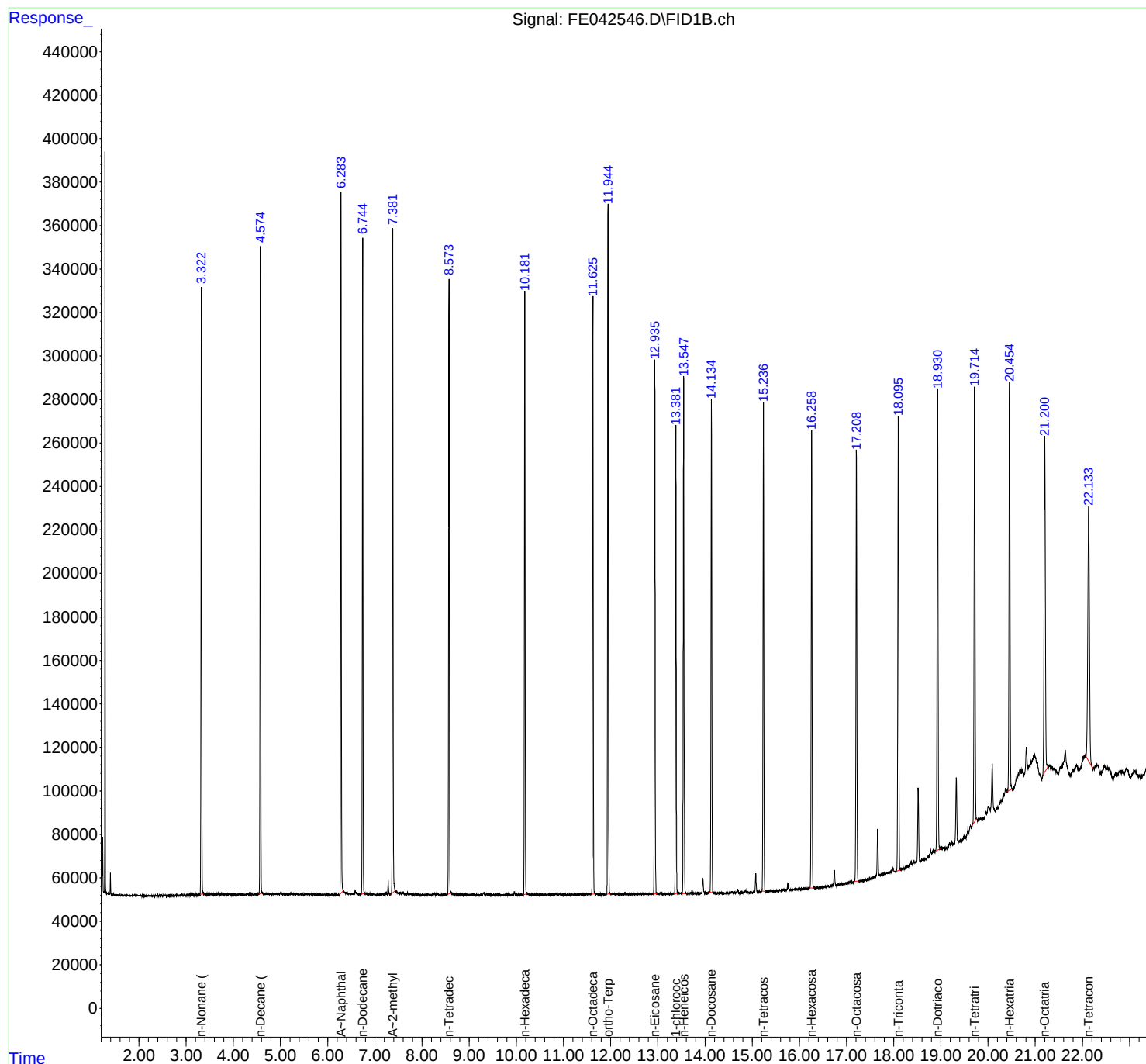
Instrument :
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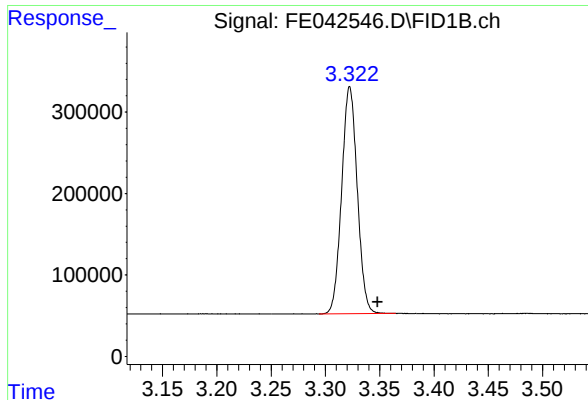
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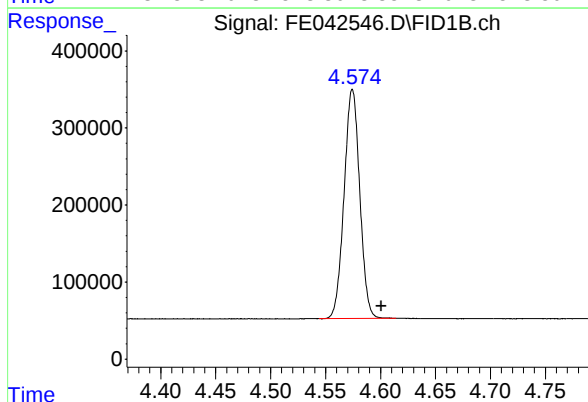
#1 n-Nonane (C9)

R.T.: 3.322 min
Delta R.T.: -0.026 min
Response: 2788167
Conc: 19.34 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

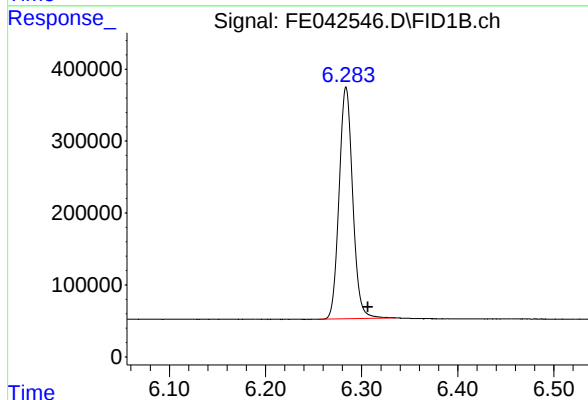
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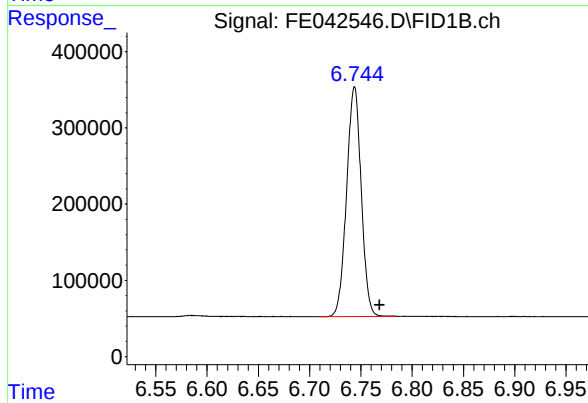
#2 n-Decane (C10)

R.T.: 4.574 min
Delta R.T.: -0.026 min
Response: 2949983
Conc: 19.93 ug/ml



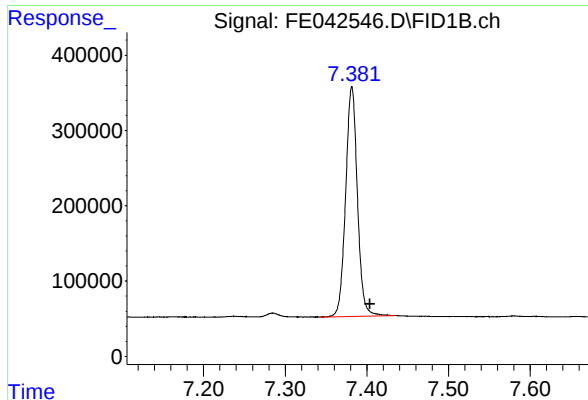
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: -0.023 min
Response: 3168887
Conc: 19.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.744 min
Delta R.T.: -0.024 min
Response: 2988089
Conc: 19.93 ug/ml



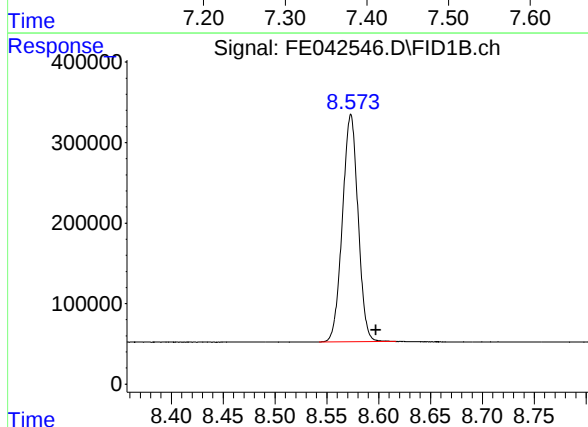
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.382 min
Delta R.T.: -0.022 min
Response: 3054882
Conc: 19.25 ug/ml

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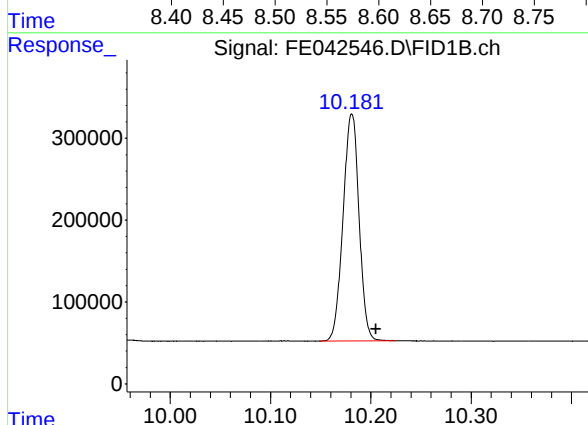
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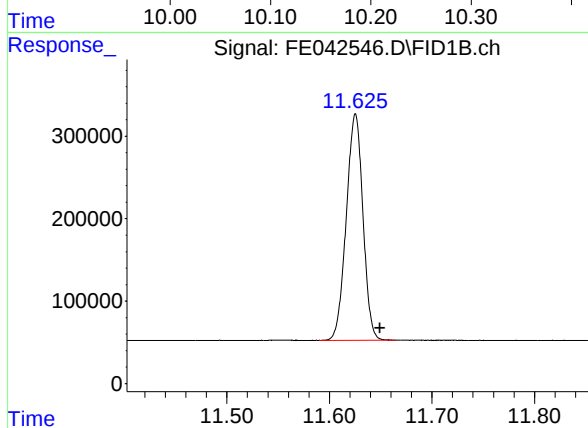
#6 n-Tetradecane (C14)

R.T.: 8.573 min
Delta R.T.: -0.024 min
Response: 2963313
Conc: 19.78 ug/ml



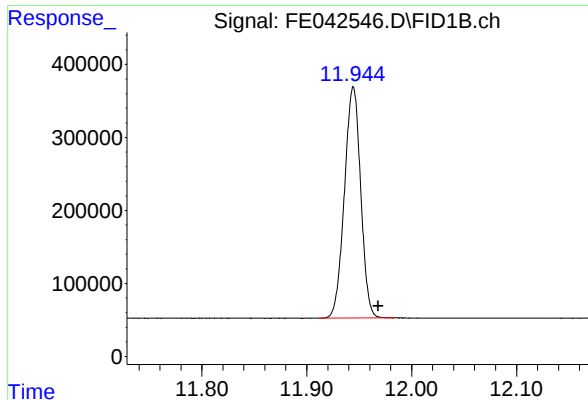
#7 n-Hexadecane (C16)

R.T.: 10.181 min
Delta R.T.: -0.024 min
Response: 3076376
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.625 min
Delta R.T.: -0.024 min
Response: 3101307
Conc: 19.61 ug/ml



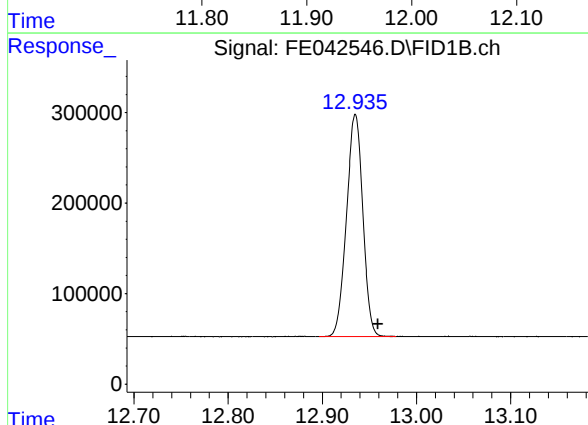
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.024 min
Response: 3418264
Conc: 19.36 ug/ml

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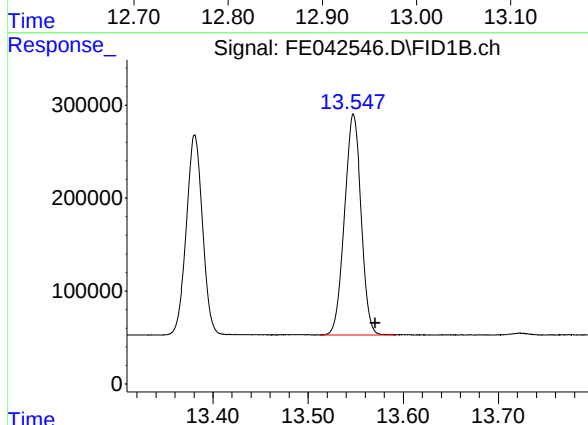
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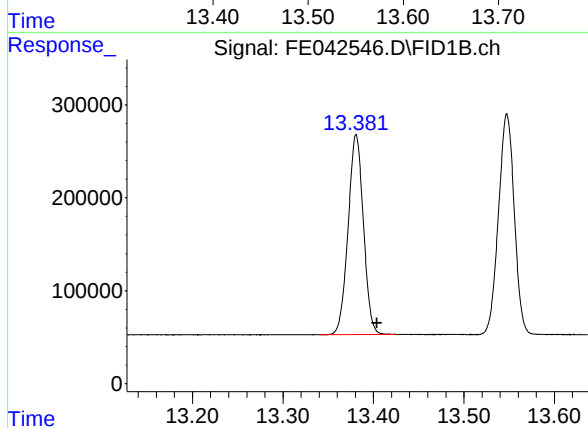
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: -0.024 min
Response: 2956887
Conc: 19.51 ug/ml



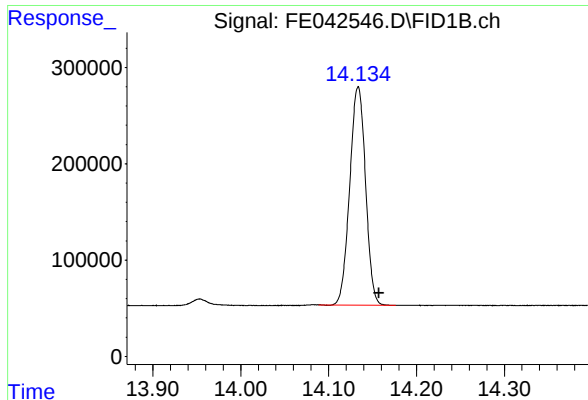
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: -0.023 min
Response: 2884648
Conc: 19.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: -0.023 min
Response: 2532897
Conc: 19.06 ug/ml



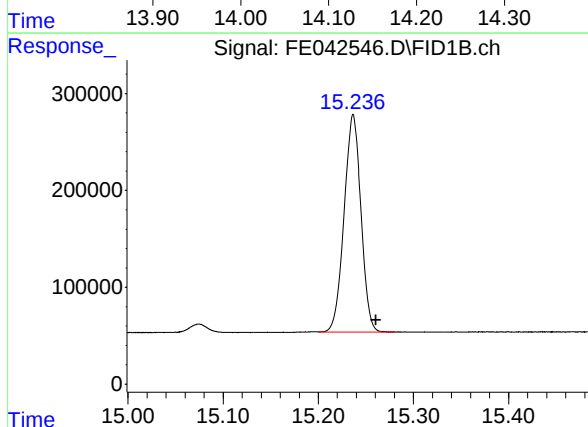
#13 n-Docosane (C22)

R.T.: 14.134 min
Delta R.T.: -0.023 min
Response: 2832147
Conc: 19.32 ug/ml

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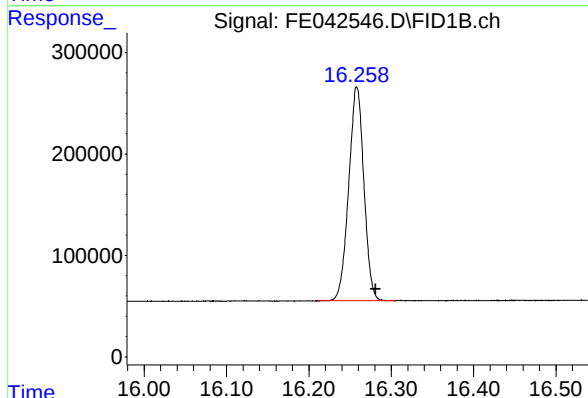
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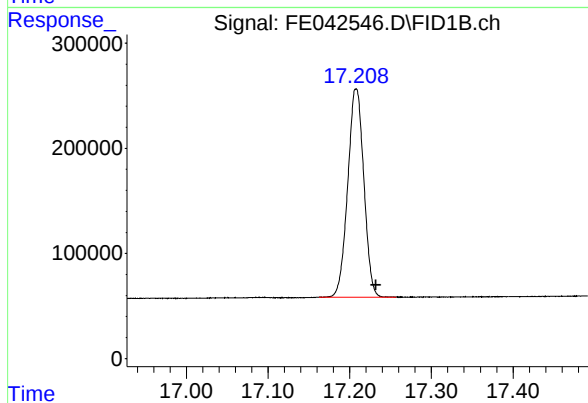
#14 n-Tetracosane (C24)

R.T.: 15.237 min
Delta R.T.: -0.024 min
Response: 2773488
Conc: 19.21 ug/ml



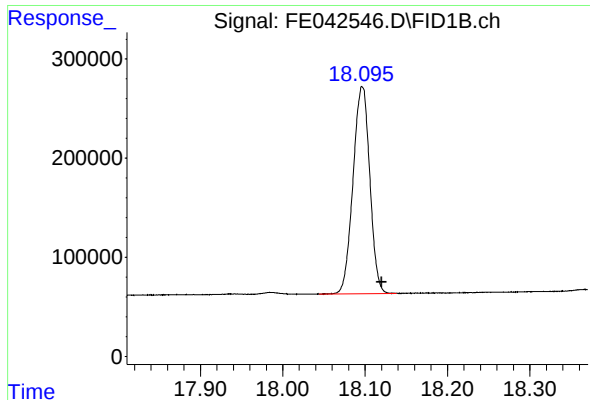
#15 n-Hexacosane (C26)

R.T.: 16.258 min
Delta R.T.: -0.023 min
Response: 2695871
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.208 min
Delta R.T.: -0.024 min
Response: 2713024
Conc: 20.26 ug/ml



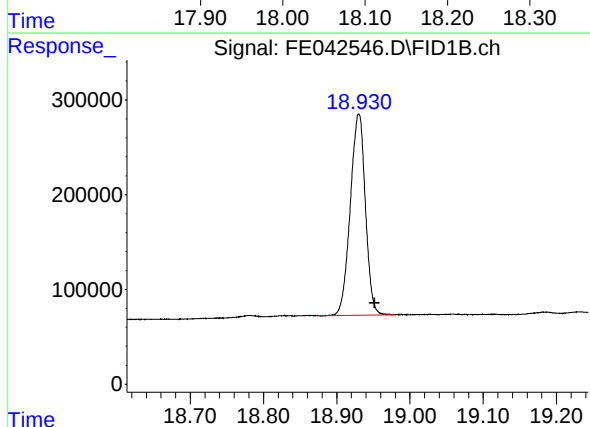
#17 n-Tricontane (C30)

R.T.: 18.097 min
Delta R.T.: -0.023 min
Response: 2953344
Conc: 21.88 ug/ml

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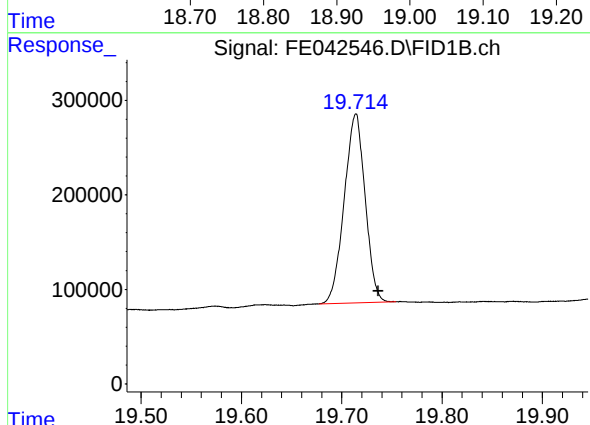
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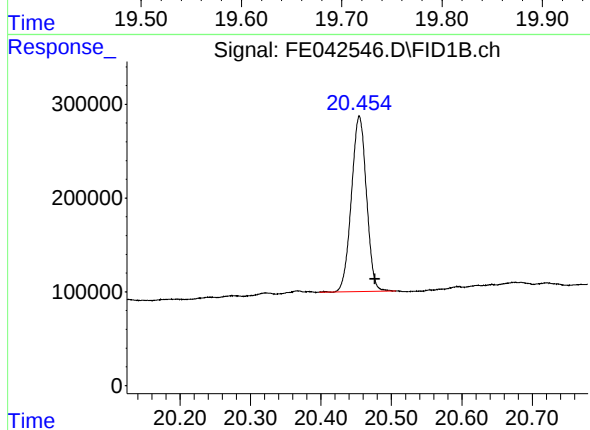
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: -0.022 min
Response: 3042606
Conc: 22.78 ug/ml



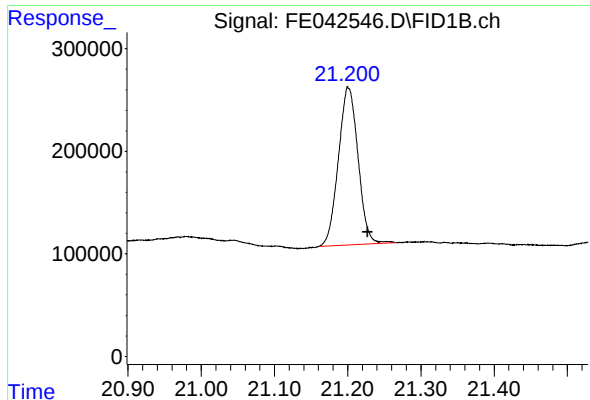
#19 n-Tetatriacontane (C34)

R.T.: 19.714 min
Delta R.T.: -0.023 min
Response: 2896511
Conc: 22.02 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.022 min
Response: 2779646
Conc: 21.39 ug/ml



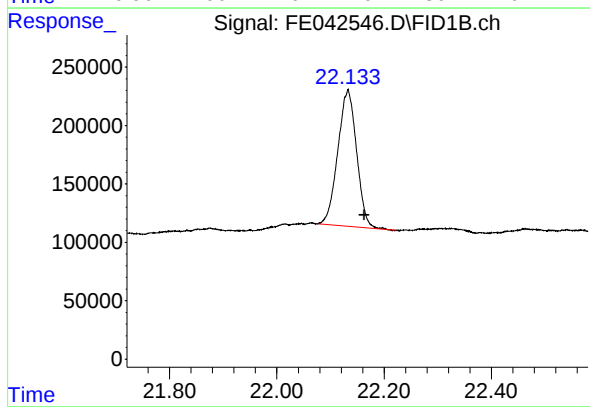
#21 n-Octatriacontane (C38)

R.T.: 21.201 min
Delta R.T.: -0.027 min
Response: 2862412
Conc: 21.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.133 min
Delta R.T.: -0.030 min
Response: 2837173
Conc: 20.39 ug/ml