

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062024AL\
 Data File : FE048804.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2024 07:01
 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 06/21/2024
 Supervised By :Ankita Jodhani 06/21/2024

Integration File: autoint1.e
 Quant Time: Jun 21 01:19:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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)	11.936	2782344	19.376 ug/ml
Spiked Amount 50.000		Recovery =	38.75%
12) S 1-chlorooctadecane (S...	13.370	2088539	19.171 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.324	2485280	16.623 ug/ml
2) T n-Decane (C10)	4.573	2730476	18.082 ug/ml
3) T A~Naphthalene (C11.7)	6.279	2694329	18.095 ug/ml
4) T n-Dodecane (C12)	6.739	2755158	18.613 ug/ml
5) T A~2-methylnaphthalene...	7.374	2575313	18.574 ug/ml
6) T n-Tetradecane (C14)	8.566	2698030	19.023 ug/ml
7) T n-Hexadecane (C16)	10.173	2751536	19.517 ug/ml
8) T n-Octadecane (C18)	11.616	2728845	19.648 ug/ml
10) T n-Eicosane (C20)	12.925	2576397	19.469 ug/ml
11) T n-Heneicosane (C21)	13.536	2514053	19.409 ug/ml
13) T n-Docosane (C22)	14.122	2517682	19.538 ug/ml
14) T n-Tetracosane (C24)	15.224	2581859	19.929 ug/ml
15) T n-Hexacosane (C26)	16.243	2610665	20.143 ug/ml
16) T n-Octacosane (C28)	17.191	2798856	21.654 ug/ml
17) T n-Tricontane (C30)	18.080	3229708	24.109 ug/ml
18) T n-Dotriacontane (C32)	18.910	3409072	25.115 ug/ml
19) T n-Tetratriacontane (C34)	19.693	3247260	23.737 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2971702	21.861 ug/mlm
21) T n-Octatriacontane (C38)	21.168	2806538	20.580 ug/ml
22) T n-Tetracontane (C40)	22.080	2687533	19.628 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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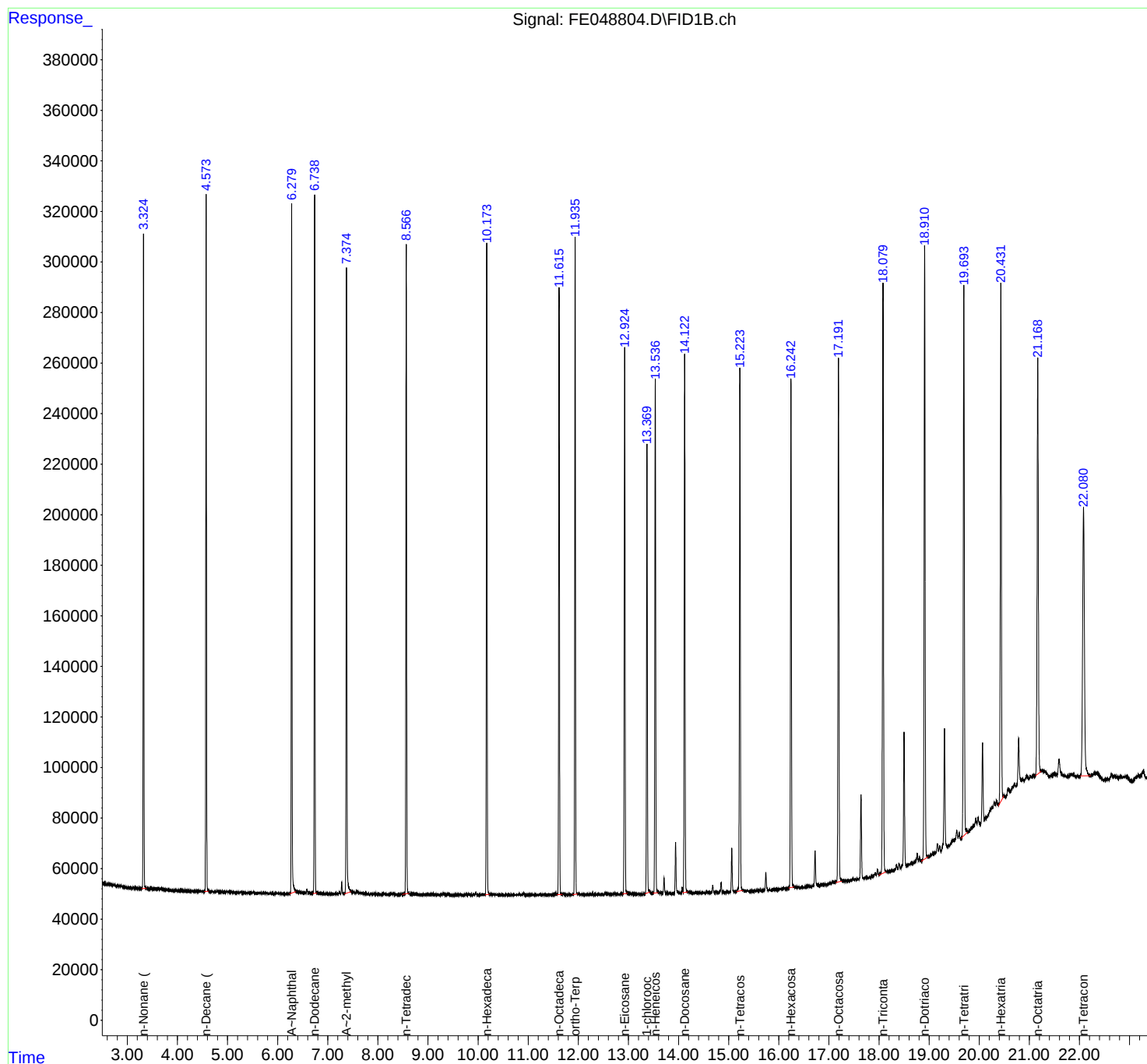
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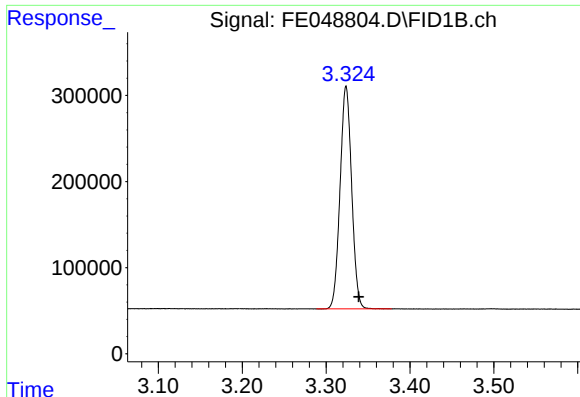
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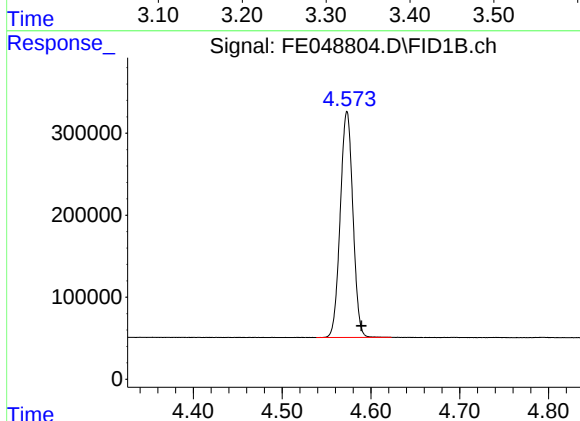
#1 n-Nonane (C9)

R.T.: 3.324 min
Delta R.T.: -0.015 min
Response: 2485280
Conc: 16.62 ug/ml

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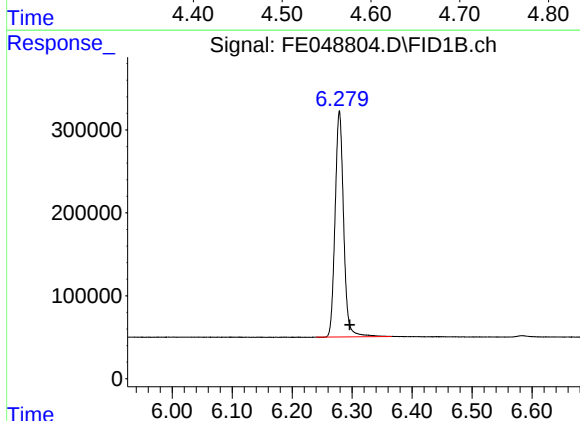
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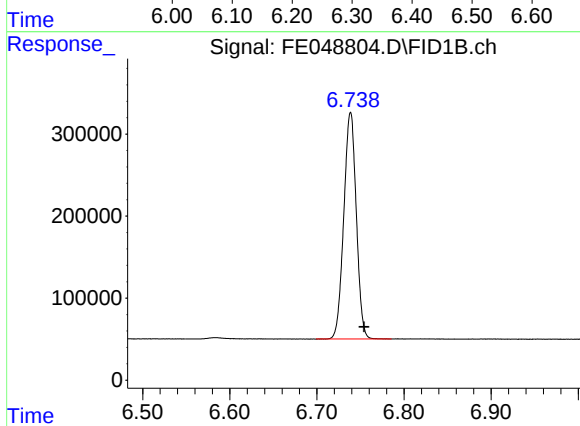
#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: -0.016 min
Response: 2730476
Conc: 18.08 ug/ml



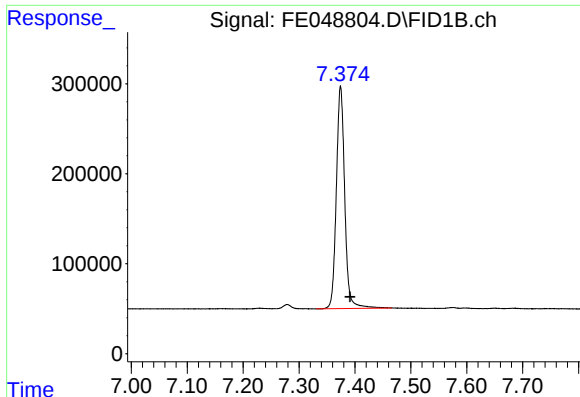
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: -0.017 min
Response: 2694329
Conc: 18.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: -0.015 min
Response: 2755158
Conc: 18.61 ug/ml



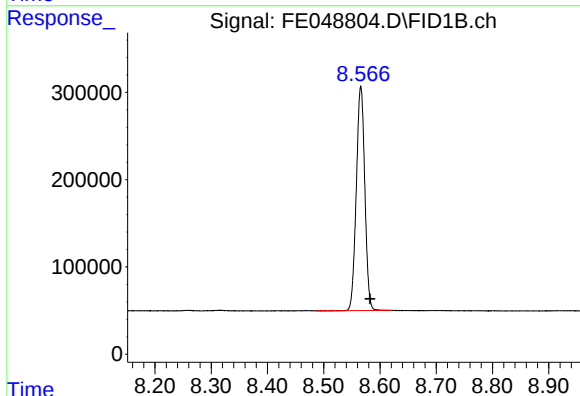
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.374 min
Delta R.T.: -0.017 min
Response: 2575313
Conc: 18.57 ug/ml

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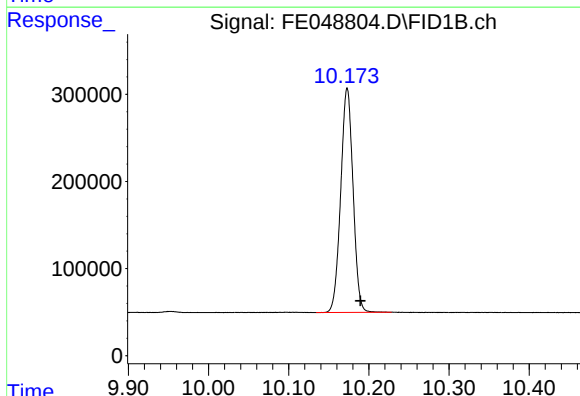
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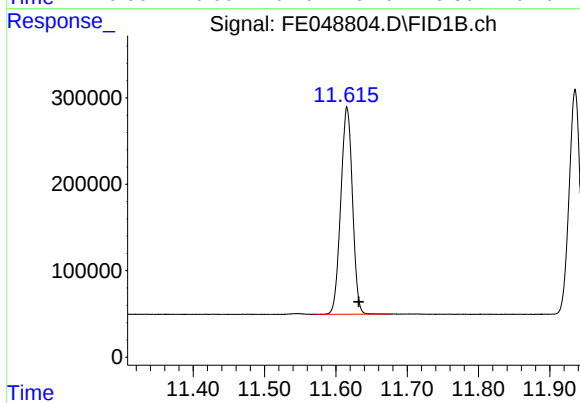
#6 n-Tetradecane (C14)

R.T.: 8.566 min
Delta R.T.: -0.017 min
Response: 2698030
Conc: 19.02 ug/ml



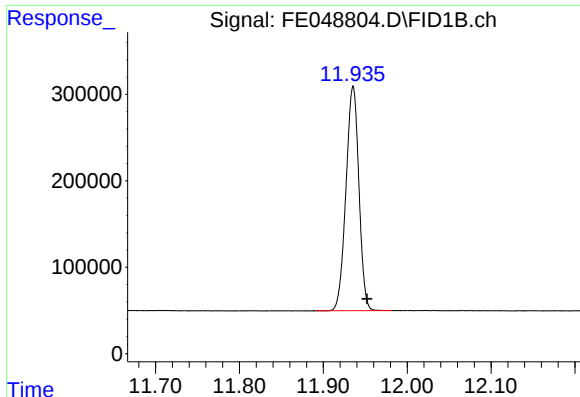
#7 n-Hexadecane (C16)

R.T.: 10.173 min
Delta R.T.: -0.016 min
Response: 2751536
Conc: 19.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.016 min
Response: 2728845
Conc: 19.65 ug/ml



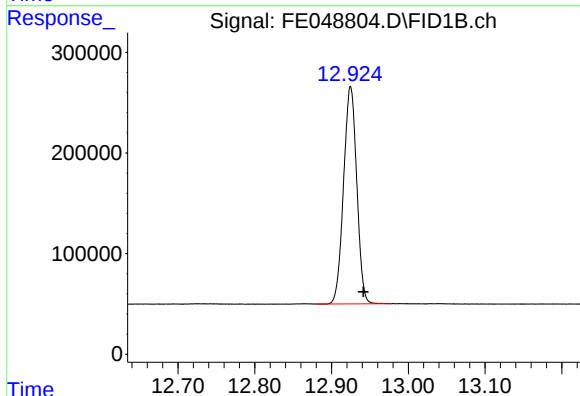
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: -0.016 min
Response: 2782344
Conc: 19.38 ug/ml

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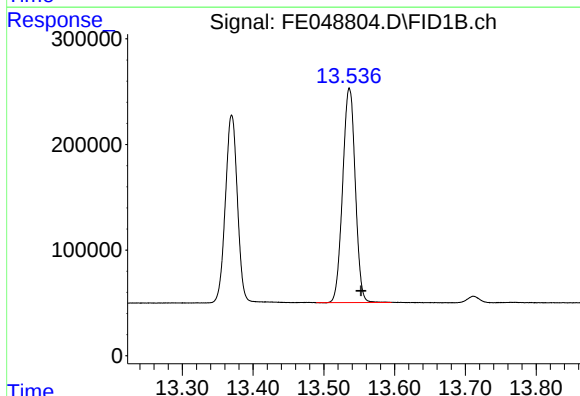
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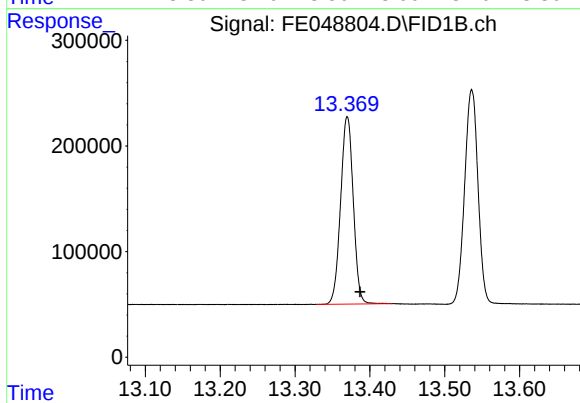
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: -0.017 min
Response: 2576397
Conc: 19.47 ug/ml



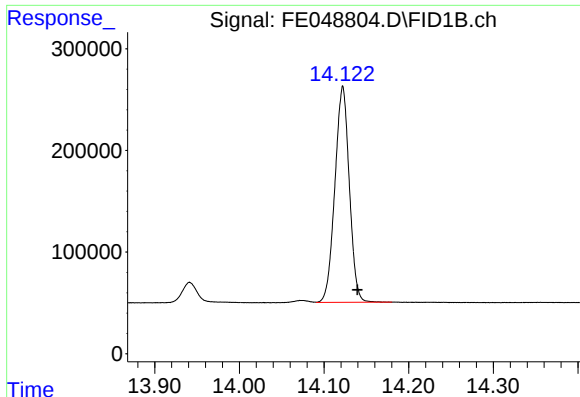
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: -0.017 min
Response: 2514053
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: -0.017 min
Response: 2088539
Conc: 19.17 ug/ml



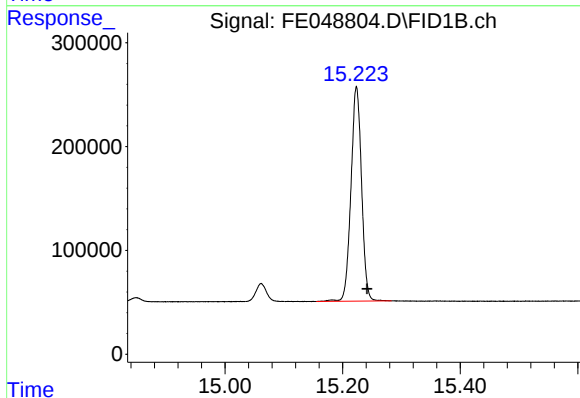
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: -0.017 min
Response: 2517682
Conc: 19.54 ug/ml

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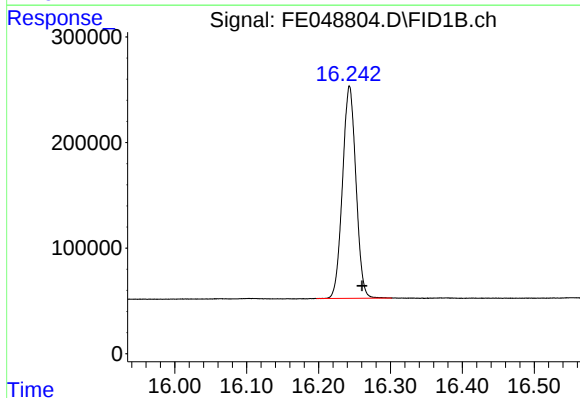
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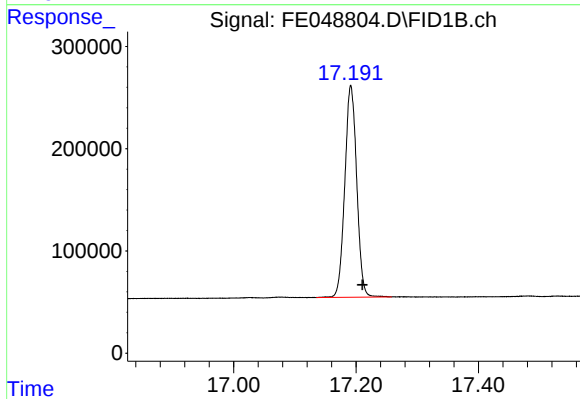
#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: -0.018 min
Response: 2581859
Conc: 19.93 ug/ml



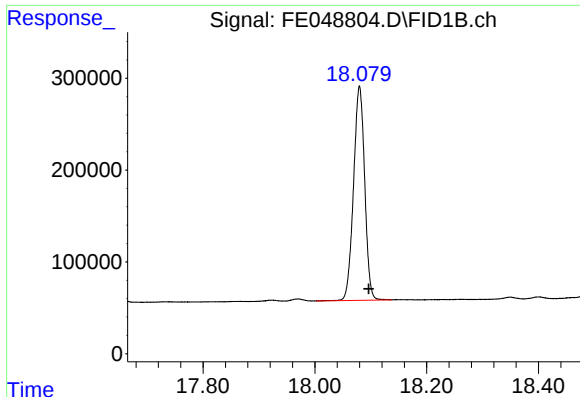
#15 n-Hexacosane (C26)

R.T.: 16.243 min
Delta R.T.: -0.017 min
Response: 2610665
Conc: 20.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.191 min
Delta R.T.: -0.019 min
Response: 2798856
Conc: 21.65 ug/ml



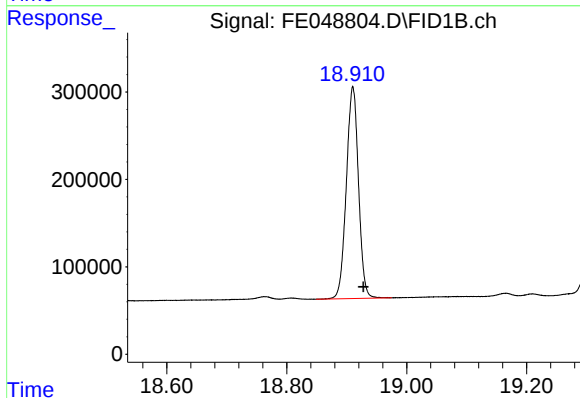
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: -0.016 min
Response: 3229708
Conc: 24.11 ug/ml

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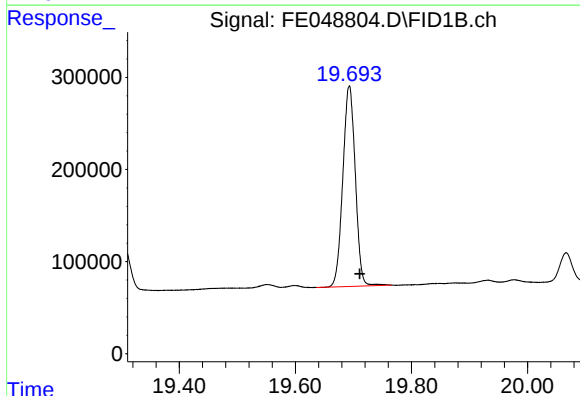
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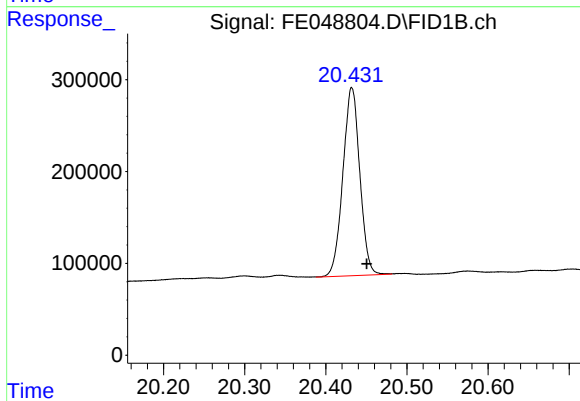
#18 n-Dotriacontane (C32)

R.T.: 18.910 min
Delta R.T.: -0.017 min
Response: 3409072
Conc: 25.11 ug/ml



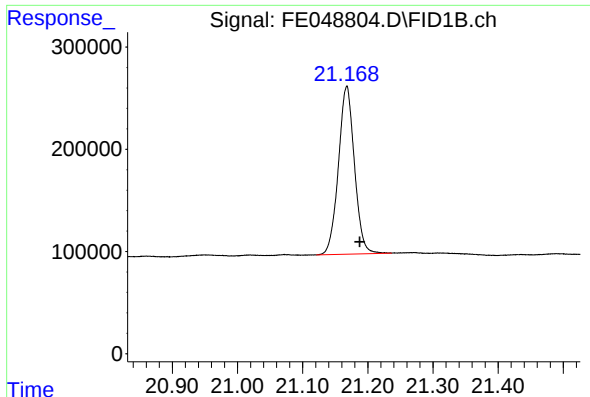
#19 n-Tetratriacontane (C34)

R.T.: 19.693 min
Delta R.T.: -0.018 min
Response: 3247260
Conc: 23.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: -0.019 min
Response: 2971702
Conc: 21.86 ug/ml m



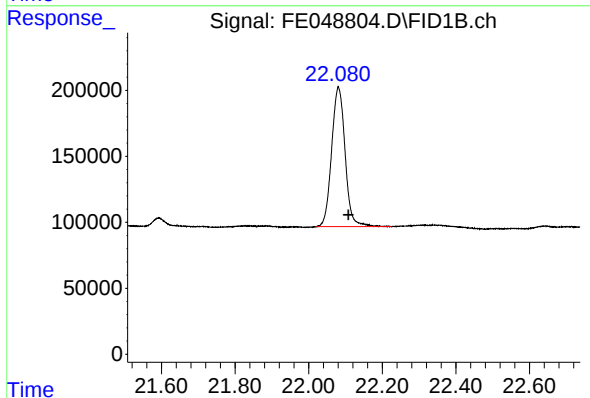
#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: -0.020 min
Response: 2806538
Conc: 20.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.080 min
Delta R.T.: -0.027 min
Response: 2687533
Conc: 19.63 ug/ml