

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122822AL\
 Data File : FE039518.D
 Signal(s) : FID1B.ch
 Acq On : 28 Dec 2022 13:17
 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 12/29/2022
 Supervised By :Ankita Jodhani 12/29/2022

Integration File: autoint1.e
 Quant Time: Dec 28 17:16:42 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 2022
 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)	11.927	3000741	20.108 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
12) S 1-chlorooctadecane (S...	13.361	2300057	19.983 ug/ml
Spiked Amount 50.000		Recovery =	39.97%
Target Compounds			
1) T n-Nonane (C9)	3.326	2580494	19.964 ug/ml
2) T n-Decane (C10)	4.573	2556092	20.060 ug/ml
3) T A~Naphthalene (C11.7)	6.274	2858685	19.775 ug/ml
4) T n-Dodecane (C12)	6.735	2585080	19.912 ug/ml
5) T A~2-methylnaphthalene...	7.368	2675330	19.754 ug/ml
6) T n-Tetradecane (C14)	8.561	2639760	19.921 ug/ml
7) T n-Hexadecane (C16)	10.167	2739076	19.910 ug/ml
8) T n-Octadecane (C18)	11.609	2790989	19.927 ug/ml
10) T n-Eicosane (C20)	12.917	2727647	19.982 ug/ml
11) T n-Heneicosane (C21)	13.529	2730111	20.017 ug/mlm
13) T n-Docosane (C22)	14.115	2722445	20.125 ug/ml
14) T n-Tetracosane (C24)	15.218	2736622	20.386 ug/ml
15) T n-Hexacosane (C26)	16.239	2667858	20.489 ug/ml
16) T n-Octacosane (C28)	17.188	2693217	20.926 ug/ml
17) T n-Tricontane (C30)	18.074	2790458	21.674 ug/mlm
18) T n-Dotriacontane (C32)	18.908	2813356	21.725 ug/ml
19) T n-Tetratriacontane (C34)	19.692	2623497	20.795 ug/ml
20) T n-Hexatriacontane (C36)	20.433	2387478	19.745 ug/ml
21) T n-Octatriacontane (C38)	21.167	2336185	18.917 ug/ml
22) T n-Tetracontane (C40)	22.075	2301353	18.325 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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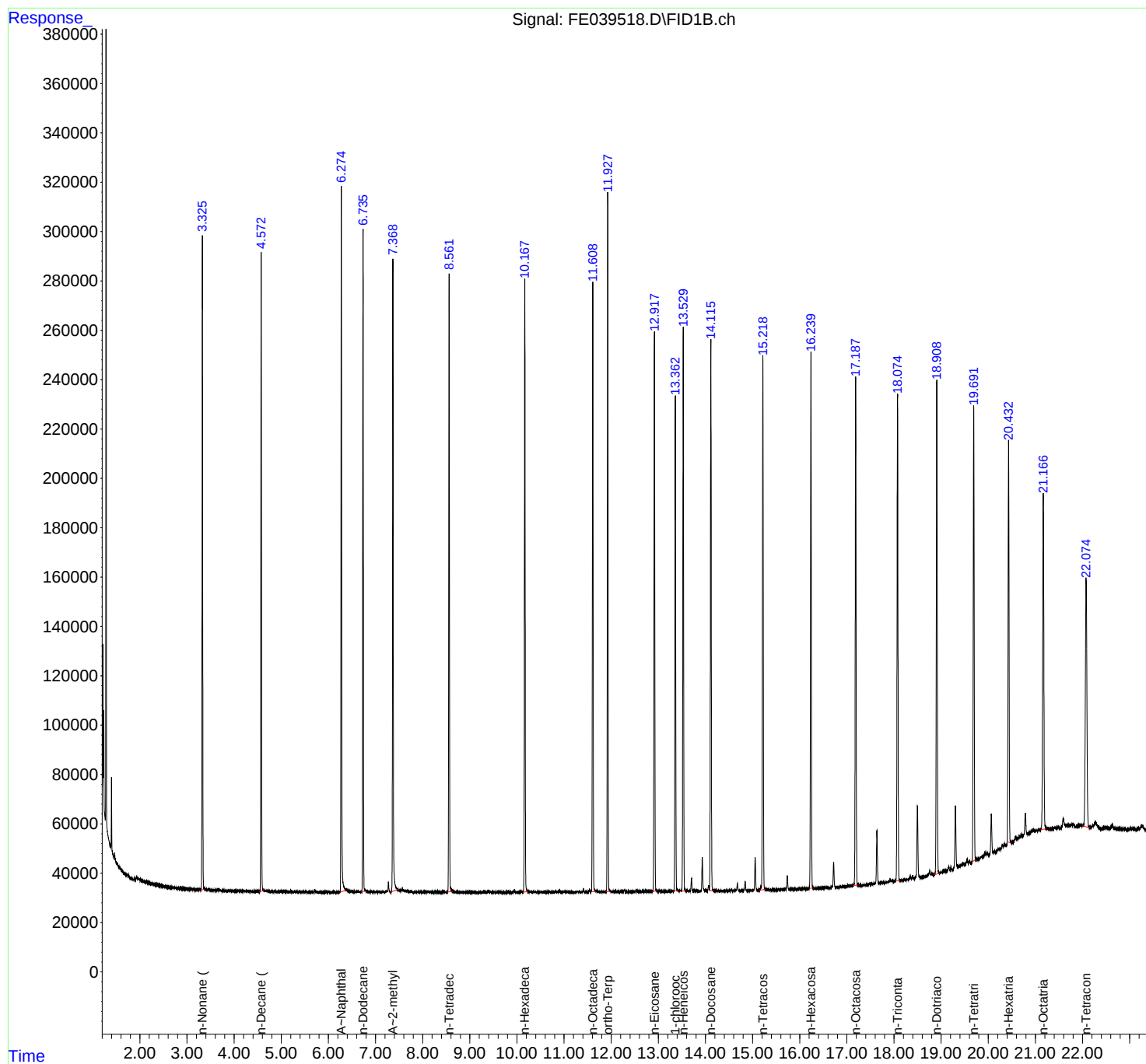
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20 PPM ALIPHATIC HC STD

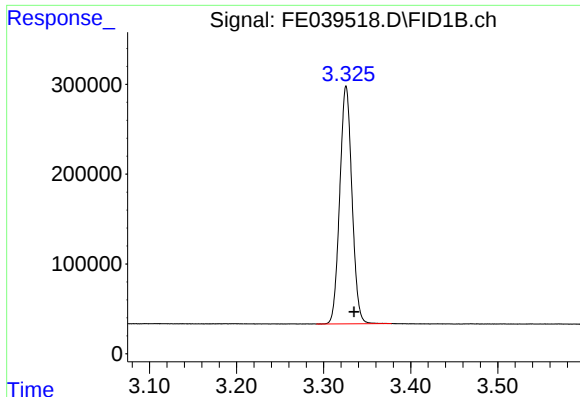
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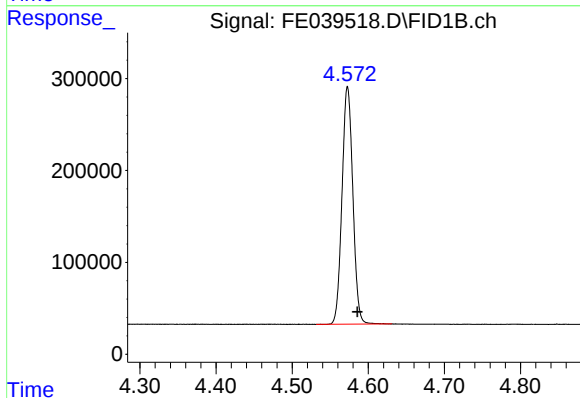
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.009 min
Response: 2580494
Conc: 19.96 ug/ml

Instrument :
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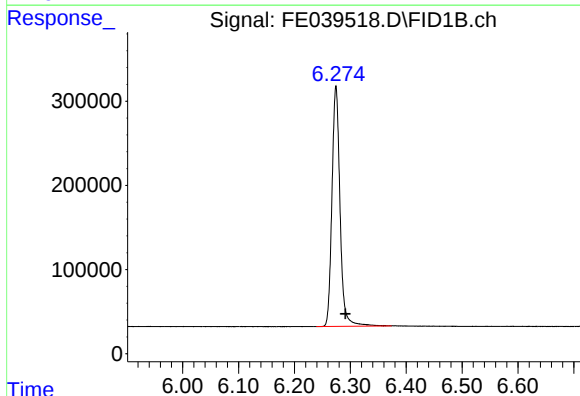
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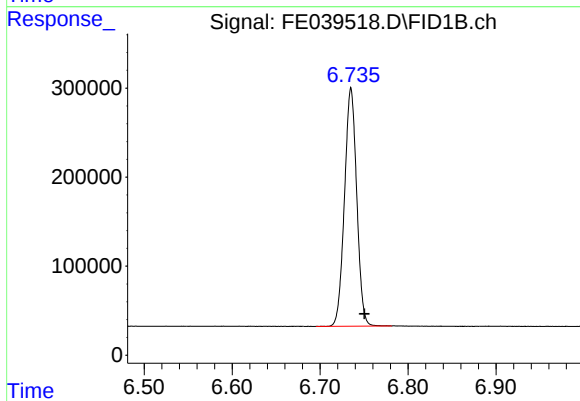
#2 n-Decane (C10)

R.T.: 4.573 min
Delta R.T.: -0.013 min
Response: 2556092
Conc: 20.06 ug/ml



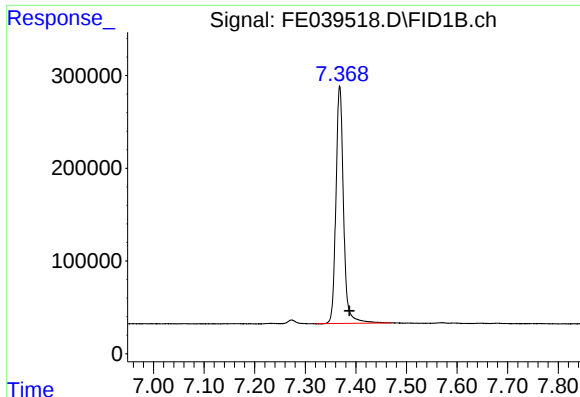
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: -0.017 min
Response: 2858685
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.735 min
Delta R.T.: -0.015 min
Response: 2585080
Conc: 19.91 ug/ml



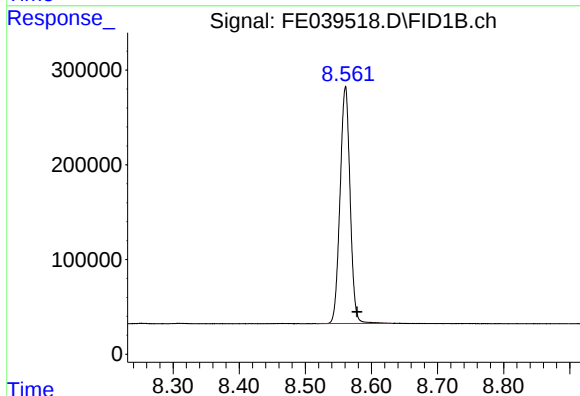
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: -0.019 min
Response: 2675330
Conc: 19.75 ug/ml

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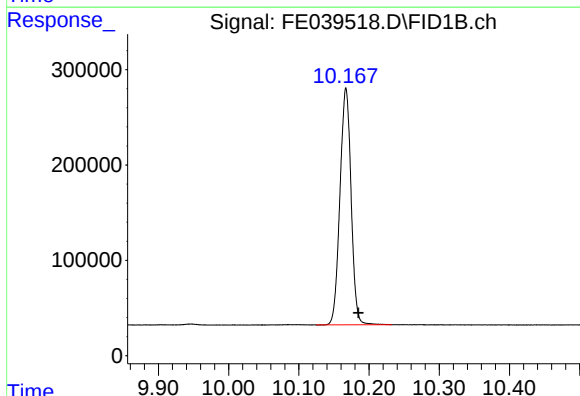
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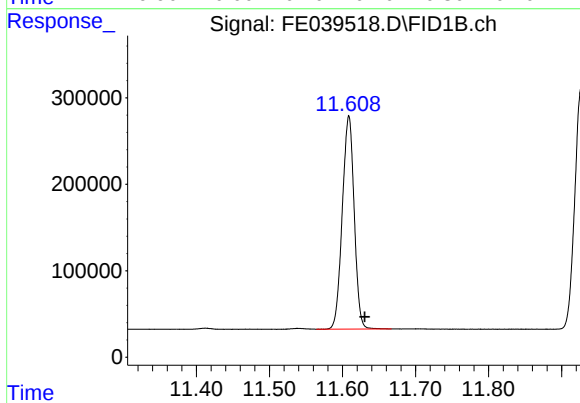
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: -0.017 min
Response: 2639760
Conc: 19.92 ug/ml



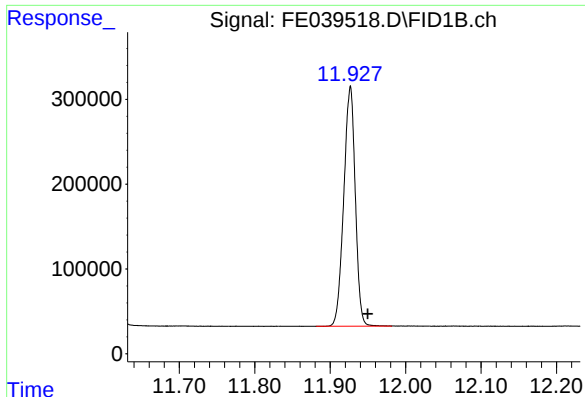
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: -0.018 min
Response: 2739076
Conc: 19.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.022 min
Response: 2790989
Conc: 19.93 ug/ml



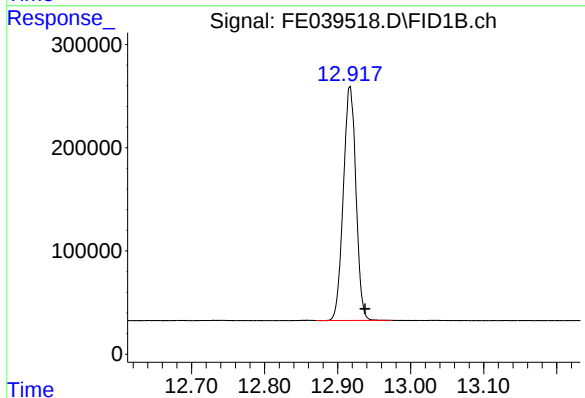
#9 ortho-Terphenyl (SURR)

R.T.: 11.927 min
Delta R.T.: -0.023 min
Response: 3000741
Conc: 20.11 ug/ml

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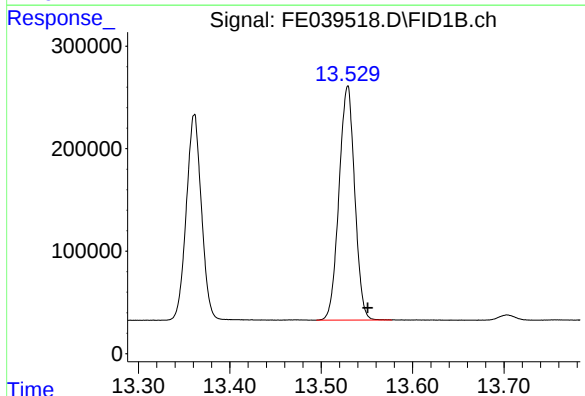
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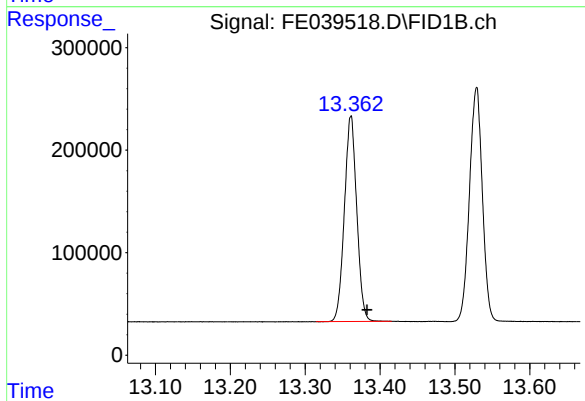
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.021 min
Response: 2727647
Conc: 19.98 ug/ml



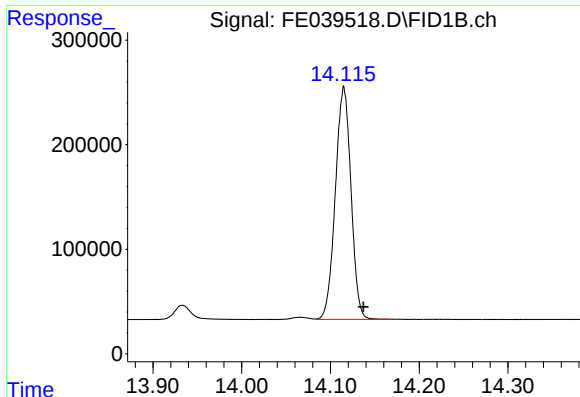
#11 n-Heneicosane (C21)

R.T.: 13.529 min
Delta R.T.: -0.021 min
Response: 2730111
Conc: 20.02 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.361 min
Delta R.T.: -0.022 min
Response: 2300057
Conc: 19.98 ug/ml



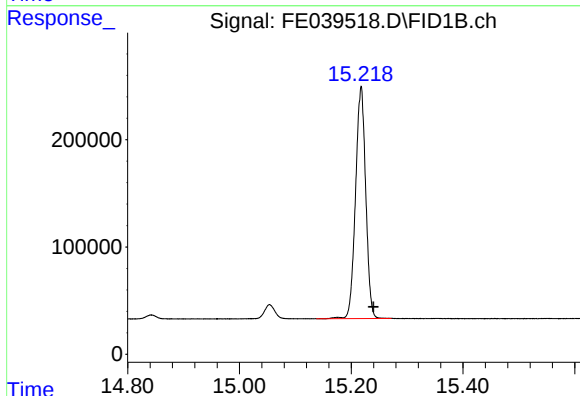
#13 n-Docosane (C22)

R.T.: 14.115 min
Delta R.T.: -0.022 min
Response: 2722445
Conc: 20.13 ug/ml

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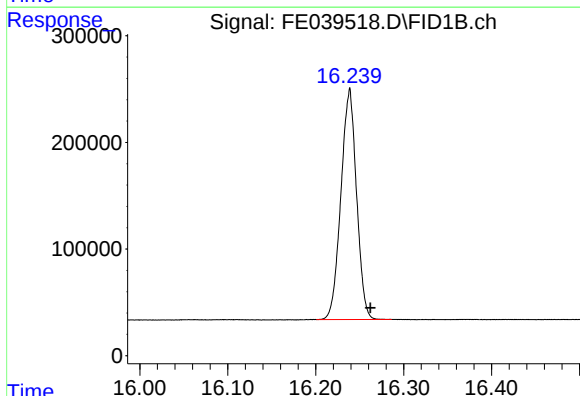
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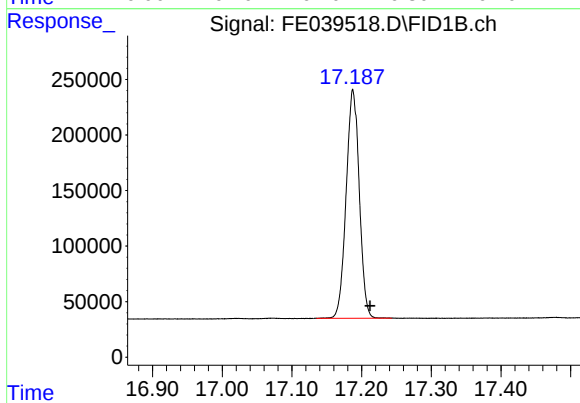
#14 n-Tetracosane (C24)

R.T.: 15.218 min
Delta R.T.: -0.022 min
Response: 2736622
Conc: 20.39 ug/ml



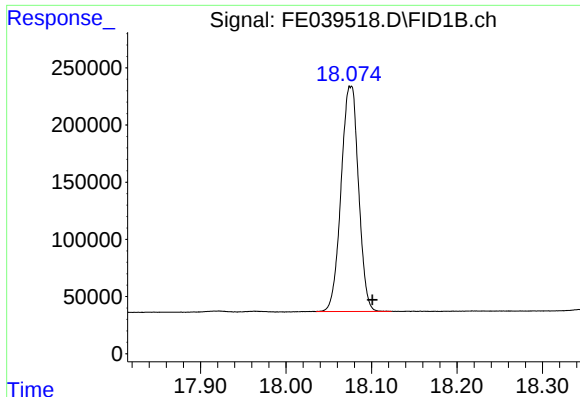
#15 n-Hexacosane (C26)

R.T.: 16.239 min
Delta R.T.: -0.023 min
Response: 2667858
Conc: 20.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.025 min
Response: 2693217
Conc: 20.93 ug/ml



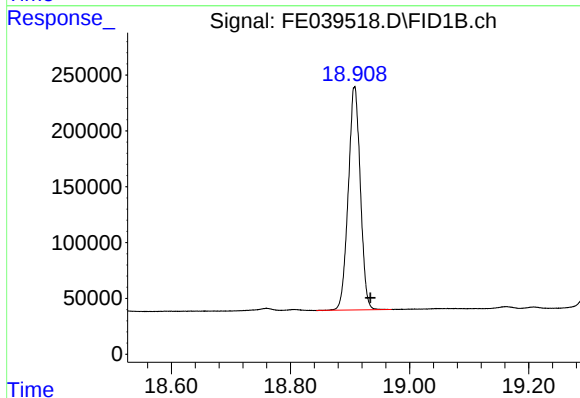
#17 n-Tricontane (C30)

R.T.: 18.074 min
Delta R.T.: -0.027 min
Response: 2790458
Conc: 21.67 ug/ml

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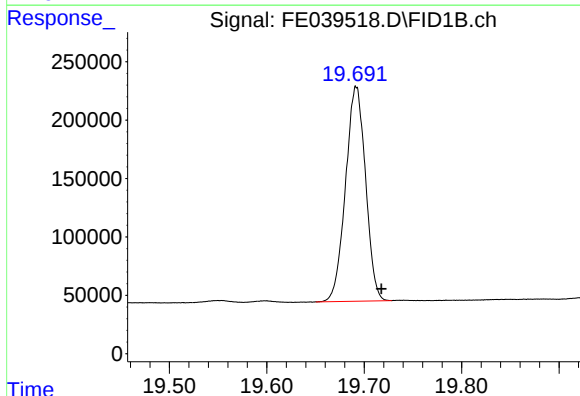
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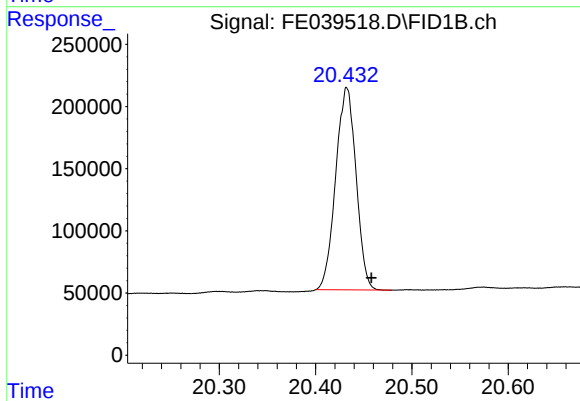
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: -0.026 min
Response: 2813356
Conc: 21.72 ug/ml



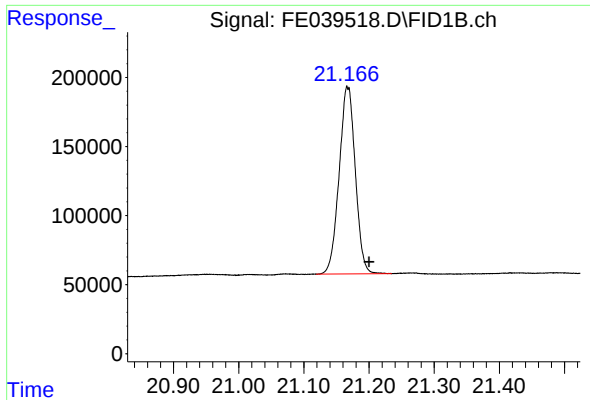
#19 n-Tetratriacontane (C34)

R.T.: 19.692 min
Delta R.T.: -0.026 min
Response: 2623497
Conc: 20.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.433 min
Delta R.T.: -0.025 min
Response: 2387478
Conc: 19.74 ug/ml



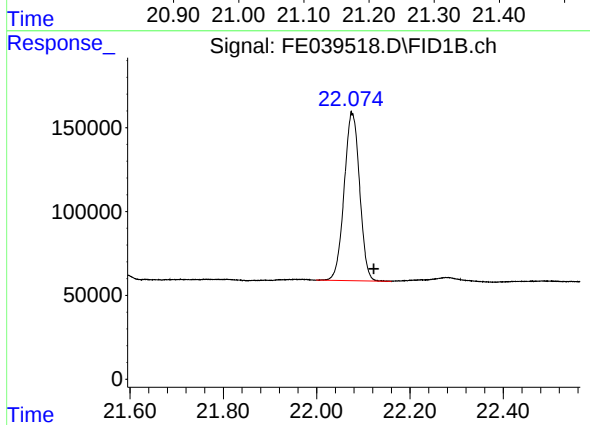
#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: -0.033 min
Response: 2336185
Conc: 18.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.047 min
Response: 2301353
Conc: 18.33 ug/ml