

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020824AL\
 Data File : FE046638.D
 Signal(s) : FID1B.ch
 Acq On : 08 Feb 2024 12:13
 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 :Ankita Jodhani 02/09/2024
 Supervised By :Sohil Jodhani 02/09/2024

Integration File: autoint1.e
 Quant Time: Feb 09 02:39:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 25 14:56:03 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)	11.810	3422792	18.511 ug/ml
Spiked Amount 50.000		Recovery =	37.02%
12) S 1-chlorooctadecane (S...	13.252	2582775	18.153 ug/ml
Spiked Amount 50.000		Recovery =	36.31%
Target Compounds			
1) T n-Nonane (C9)	3.200	3277569	20.291 ug/mlm
2) T n-Decane (C10)	4.450	3344018	20.405 ug/ml
3) T A~Naphthalene (C11.7)	6.155	3432622	20.074 ug/ml
4) T n-Dodecane (C12)	6.618	3358675	20.305 ug/ml
5) T A~2-methylnaphthalene...	7.251	3225359	20.223 ug/ml
6) T n-Tetradecane (C14)	8.443	3281062	20.019 ug/ml
7) T n-Hexadecane (C16)	10.053	3333067	19.505 ug/ml
8) T n-Octadecane (C18)	11.496	3315323	19.017 ug/ml
10) T n-Eicosane (C20)	12.806	3133461	18.455 ug/ml
11) T n-Heneicosane (C21)	13.418	3051745	18.297 ug/ml
13) T n-Docosane (C22)	14.005	3033371	18.310 ug/ml
14) T n-Tetracosane (C24)	15.109	3005658	18.216 ug/ml
15) T n-Hexacosane (C26)	16.130	2954711	18.307 ug/ml
16) T n-Octacosane (C28)	17.081	2912556	18.554 ug/ml
17) T n-Tricontane (C30)	17.970	2960494	18.901 ug/ml
18) T n-Dotriacontane (C32)	18.805	2914263	19.279 ug/ml
19) T n-Tetratriacontane (C34)	19.589	2795981	19.713 ug/mlm
20) T n-Hexatriacontane (C36)	20.330	2684987	19.479 ug/mlm
21) T n-Octatriacontane (C38)	21.056	2672913	20.850 ug/ml
22) T n-Tetracontane (C40)	21.940	2622404	20.973 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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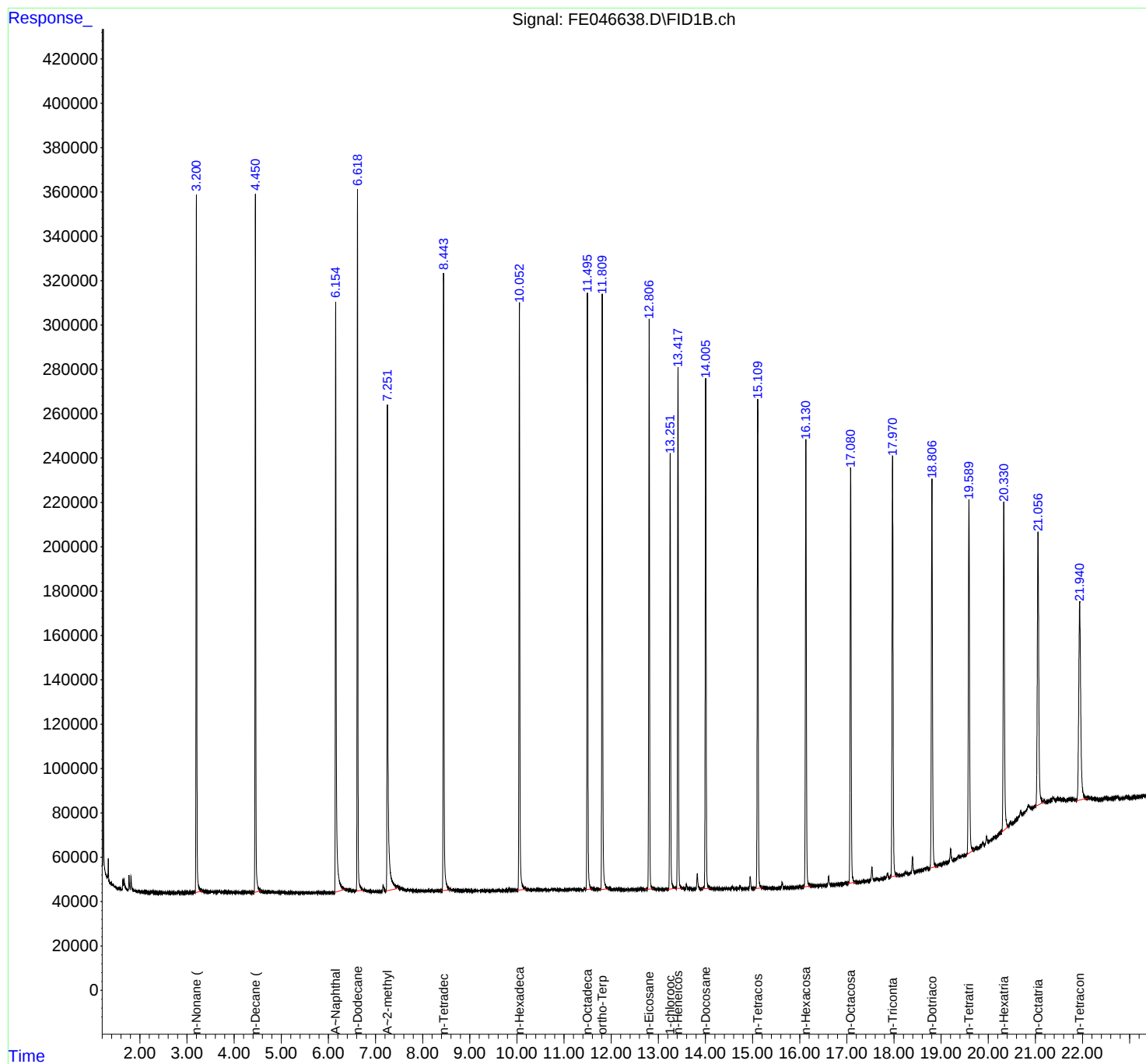
Instrument :
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20 PPM ALIPHATIC HC STD

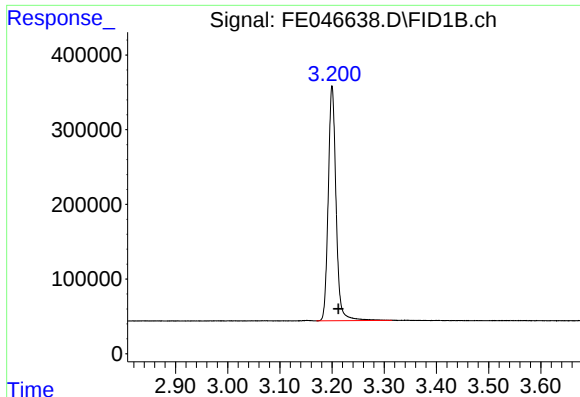
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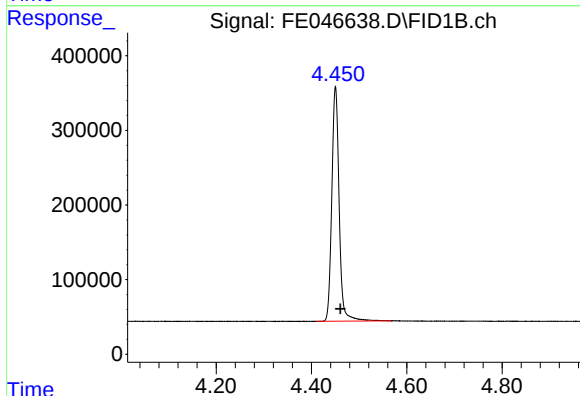
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.012 min
Response: 3277569
Conc: 20.29 ug/ml

Instrument :
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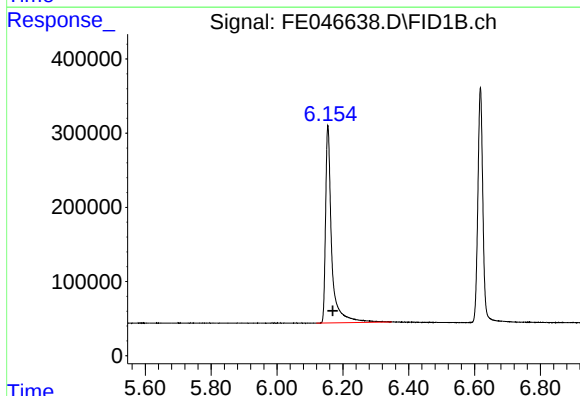
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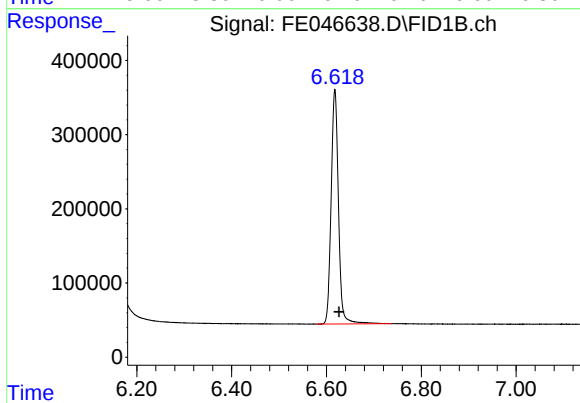
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.010 min
Response: 3344018
Conc: 20.40 ug/ml



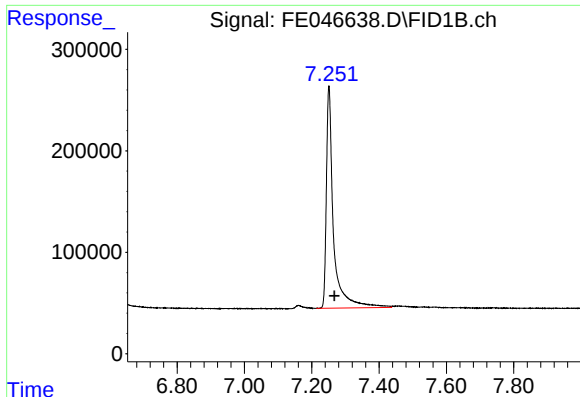
#3 A~Naphthalene (C11.7)

R.T.: 6.155 min
Delta R.T.: -0.014 min
Response: 3432622
Conc: 20.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.009 min
Response: 3358675
Conc: 20.30 ug/ml



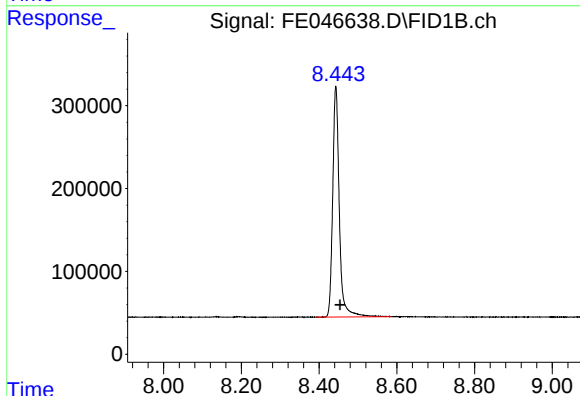
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min
Delta R.T.: -0.016 min
Response: 3225359
Conc: 20.22 ug/ml

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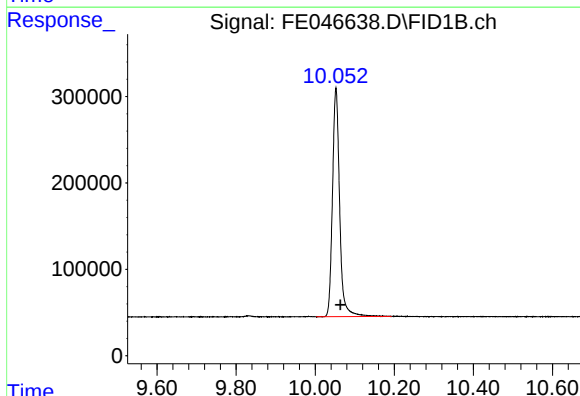
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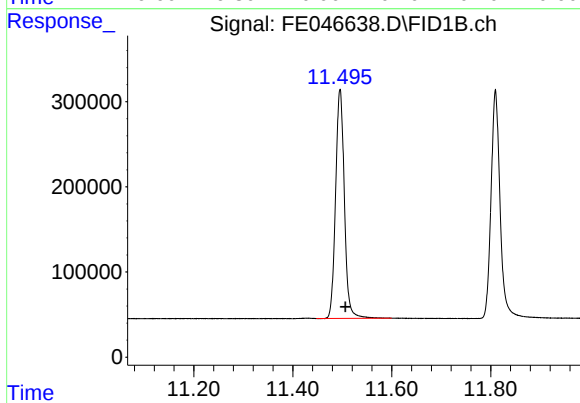
#6 n-Tetradecane (C14)

R.T.: 8.443 min
Delta R.T.: -0.011 min
Response: 3281062
Conc: 20.02 ug/ml



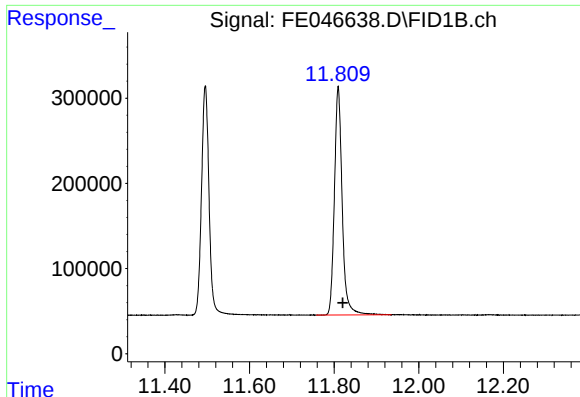
#7 n-Hexadecane (C16)

R.T.: 10.053 min
Delta R.T.: -0.011 min
Response: 3333067
Conc: 19.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.496 min
Delta R.T.: -0.011 min
Response: 3315323
Conc: 19.02 ug/ml



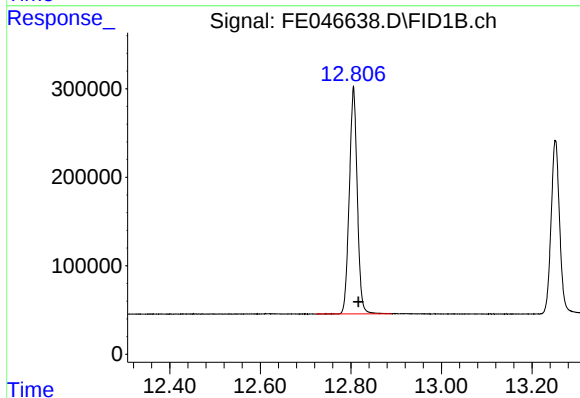
#9 ortho-Terphenyl (SURR)

R.T.: 11.810 min
Delta R.T.: -0.011 min
Response: 3422792
Conc: 18.51 ug/ml

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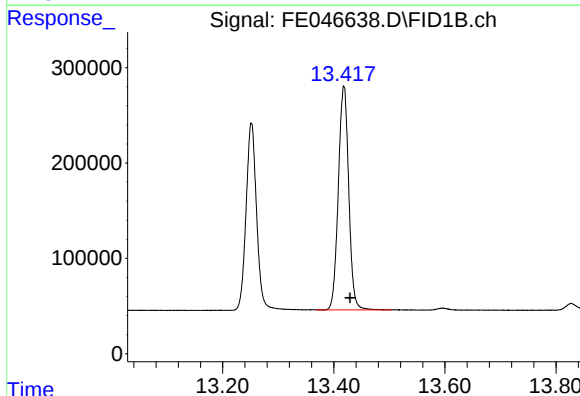
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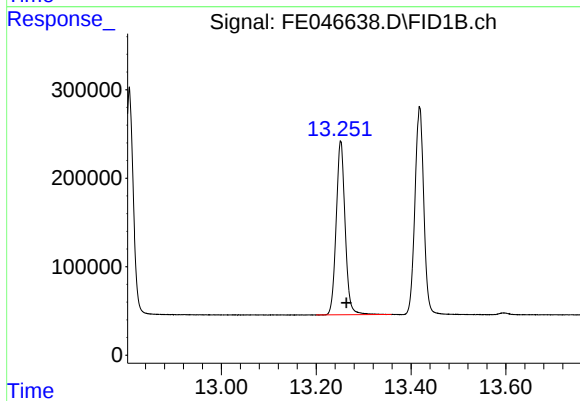
#10 n-Eicosane (C20)

R.T.: 12.806 min
Delta R.T.: -0.011 min
Response: 3133461
Conc: 18.46 ug/ml



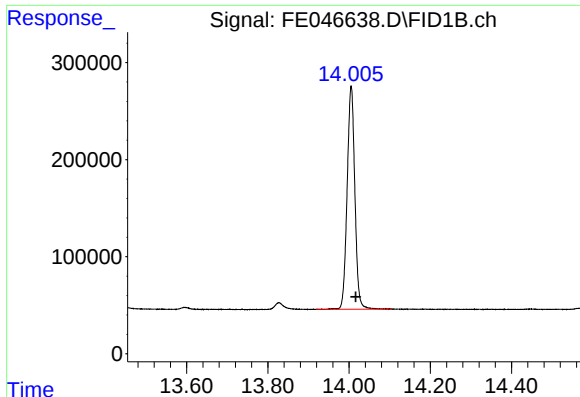
#11 n-Heneicosane (C21)

R.T.: 13.418 min
Delta R.T.: -0.011 min
Response: 3051745
Conc: 18.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.252 min
Delta R.T.: -0.012 min
Response: 2582775
Conc: 18.15 ug/ml



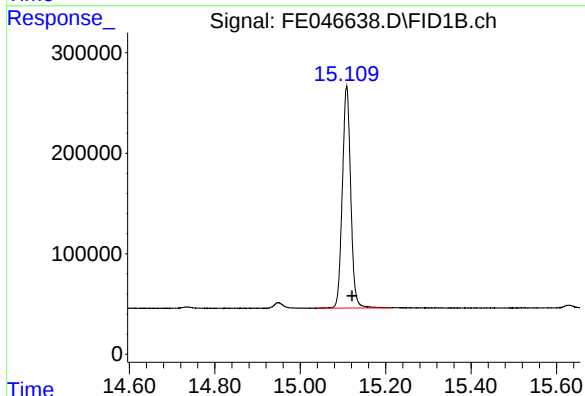
#13 n-Docosane (C22)

R.T.: 14.005 min
Delta R.T.: -0.011 min
Response: 3033371
Conc: 18.31 ug/ml

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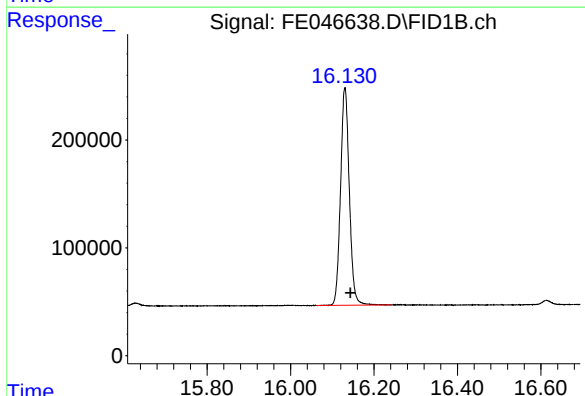
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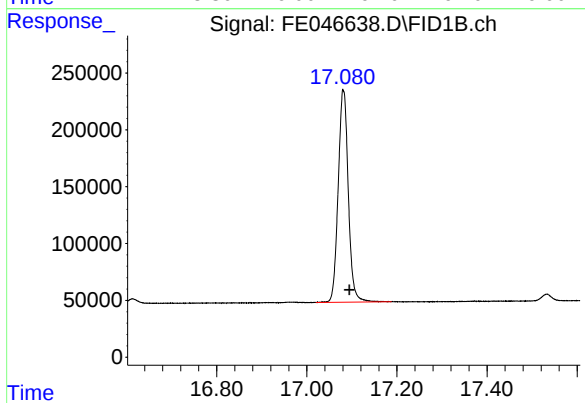
#14 n-Tetracosane (C24)

R.T.: 15.109 min
Delta R.T.: -0.012 min
Response: 3005658
Conc: 18.22 ug/ml



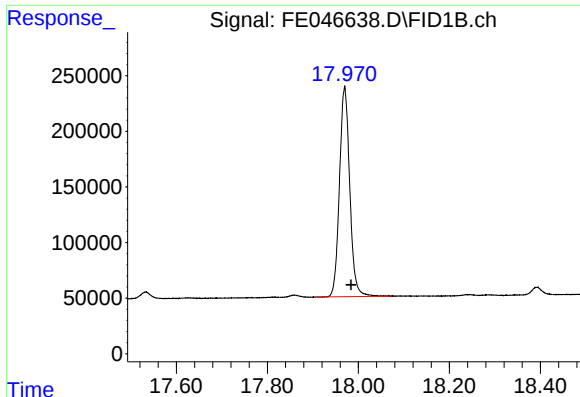
#15 n-Hexacosane (C26)

R.T.: 16.130 min
Delta R.T.: -0.013 min
Response: 2954711
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.081 min
Delta R.T.: -0.014 min
Response: 2912556
Conc: 18.55 ug/ml



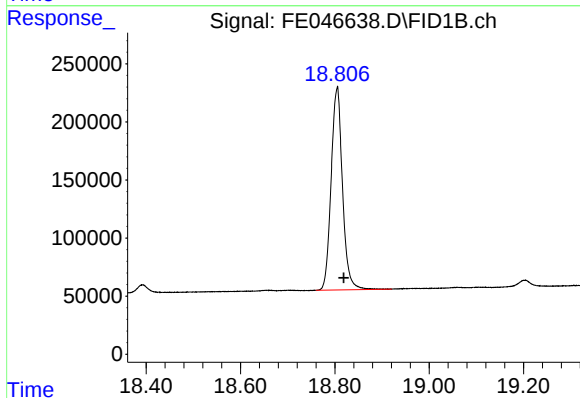
#17 n-Tricontane (C30)

R.T.: 17.970 min
Delta R.T.: -0.014 min
Response: 2960494
Conc: 18.90 ug/ml

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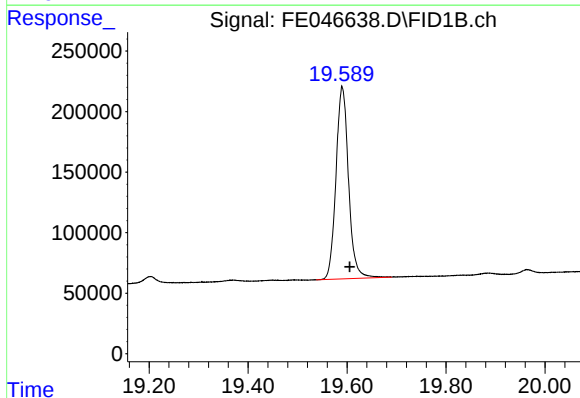
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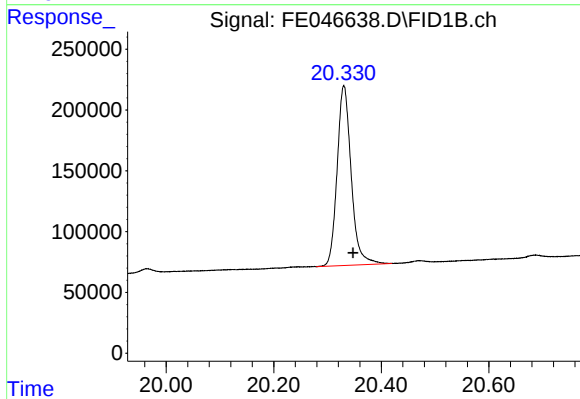
#18 n-Dotriacontane (C32)

R.T.: 18.805 min
Delta R.T.: -0.014 min
Response: 2914263
Conc: 19.28 ug/ml



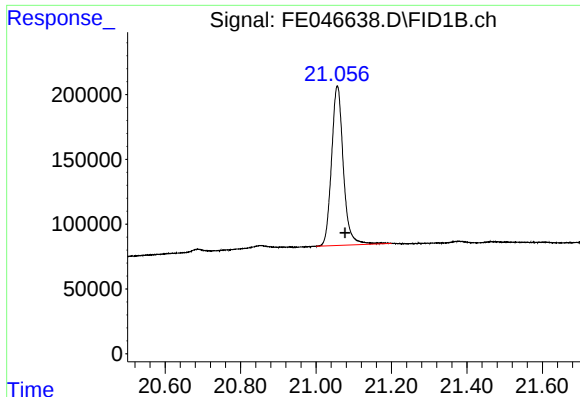
#19 n-Tetratriacontane (C34)

R.T.: 19.589 min
Delta R.T.: -0.017 min
Response: 2795981
Conc: 19.71 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.330 min
Delta R.T.: -0.018 min
Response: 2684987
Conc: 19.48 ug/ml m



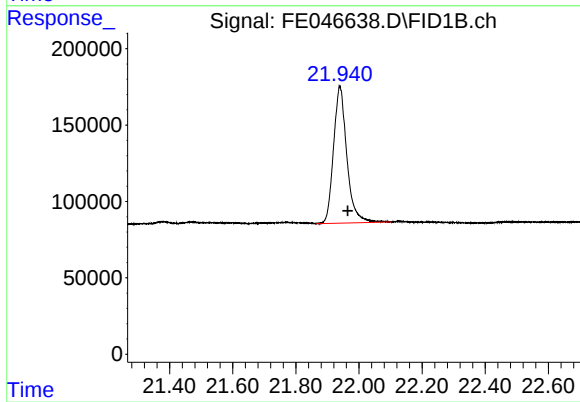
#21 n-Octatriacontane (C38)

R.T.: 21.056 min
Delta R.T.: -0.020 min
Response: 2672913
Conc: 20.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.940 min
Delta R.T.: -0.025 min
Response: 2622404
Conc: 20.97 ug/ml m