

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080624AL\
 Data File : FE049485.D
 Signal(s) : FID1B.ch
 Acq On : 06 Aug 2024 22:05
 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 08/07/2024
 Supervised By :Ankita Jodhani 08/07/2024

Integration File: autoint1.e
 Quant Time: Aug 07 01:58:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.890	2845875	18.348 ug/ml
Spiked Amount 50.000		Recovery =	36.70%
12) S 1-chlorooctadecane (S...	13.326	2167246	18.549 ug/ml
Spiked Amount 50.000		Recovery =	37.10%
Target Compounds			
1) T n-Nonane (C9)	3.280	2658615	17.678 ug/ml
2) T n-Decane (C10)	4.531	2741783	17.752 ug/ml
3) T A~Naphthalene (C11.7)	6.237	2788819	17.900 ug/ml
4) T n-Dodecane (C12)	6.697	2733090	17.750 ug/ml
5) T A~2-methylnaphthalene...	7.332	2608548	17.925 ug/mlm
6) T n-Tetradecane (C14)	8.524	2718302	17.910 ug/ml
7) T n-Hexadecane (C16)	10.131	2762953	18.219 ug/ml
8) T n-Octadecane (C18)	11.573	2776128	18.284 ug/ml
10) T n-Eicosane (C20)	12.880	2638524	18.246 ug/ml
11) T n-Heneicosane (C21)	13.492	2596440	18.310 ug/ml
13) T n-Docosane (C22)	14.077	2578832	18.355 ug/ml
14) T n-Tetracosane (C24)	15.179	2605758	18.592 ug/ml
15) T n-Hexacosane (C26)	16.199	2595846	18.512 ug/ml
16) T n-Octacosane (C28)	17.147	2669999	19.076 ug/ml
17) T n-Tricontane (C30)	18.033	2825456	19.369 ug/ml
18) T n-Dotriacontane (C32)	18.866	2887952	19.641 ug/ml
19) T n-Tetratriacontane (C34)	19.647	2856807	19.558 ug/ml
20) T n-Hexatriacontane (C36)	20.386	2797874	19.408 ug/ml
21) T n-Octatriacontane (C38)	21.115	2789780	18.637 ug/ml
22) T n-Tetracontane (C40)	22.011	2746447	18.200 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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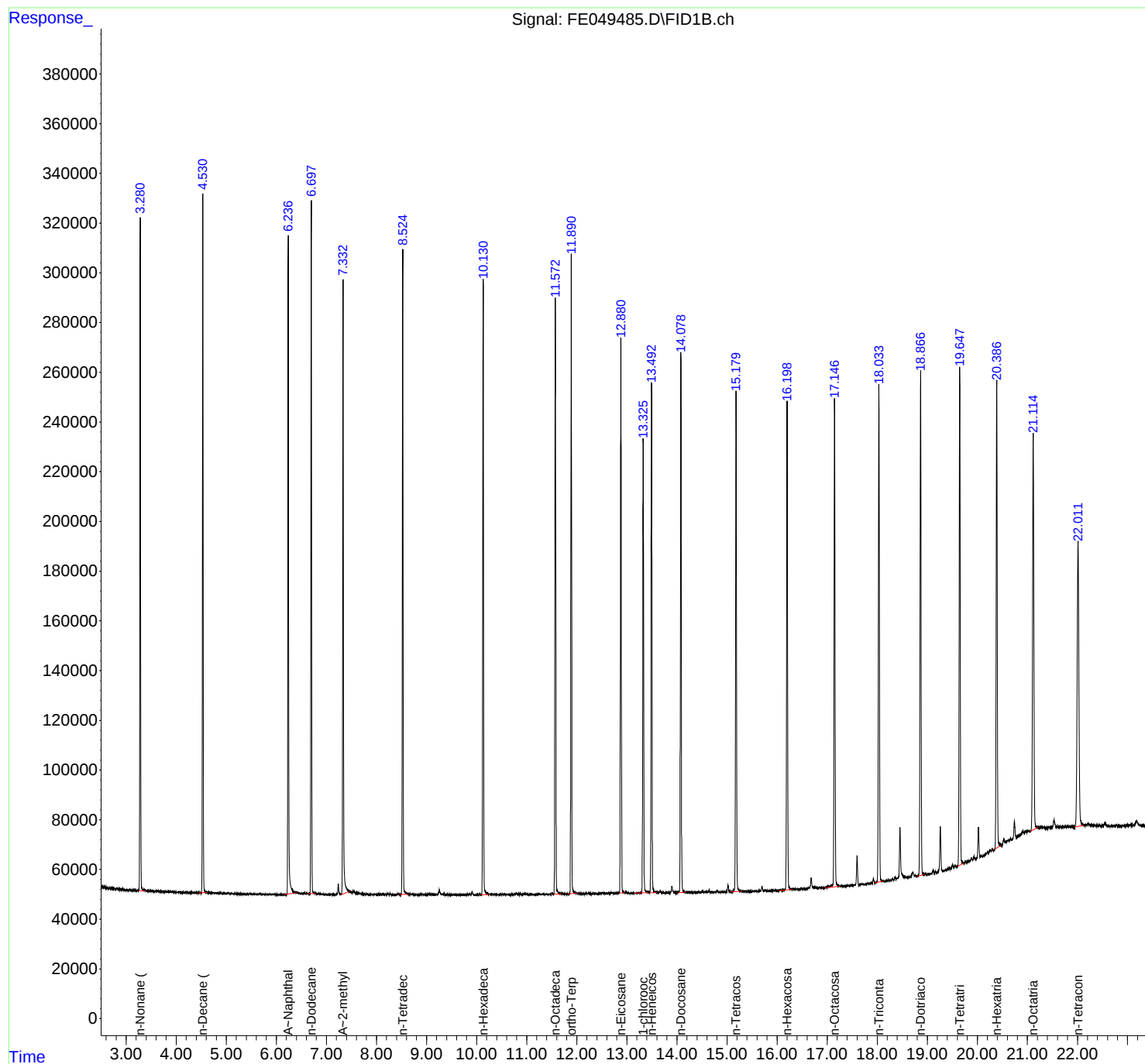
Instrument :
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20 PPM ALIPHATIC HC STD

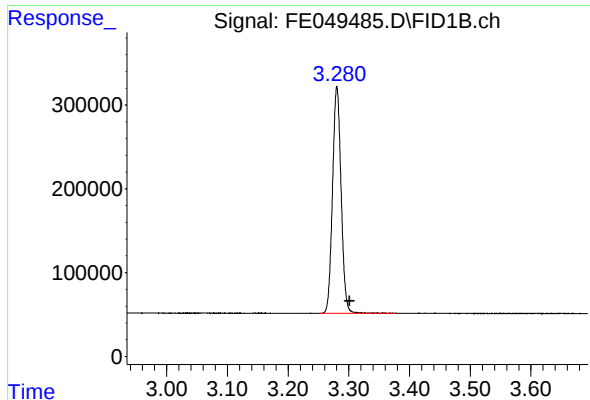
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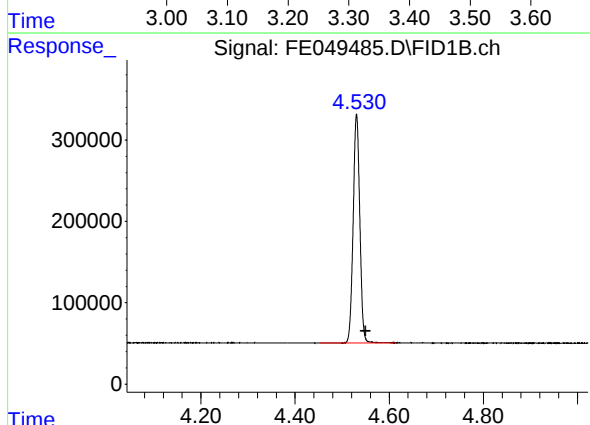
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.021 min
Response: 2658615
Conc: 17.68 ug/ml

Instrument :
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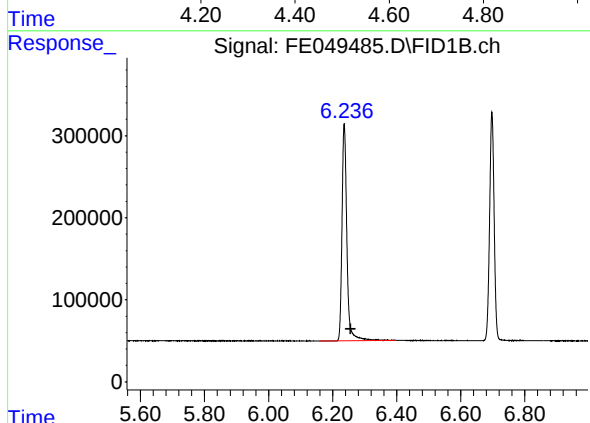
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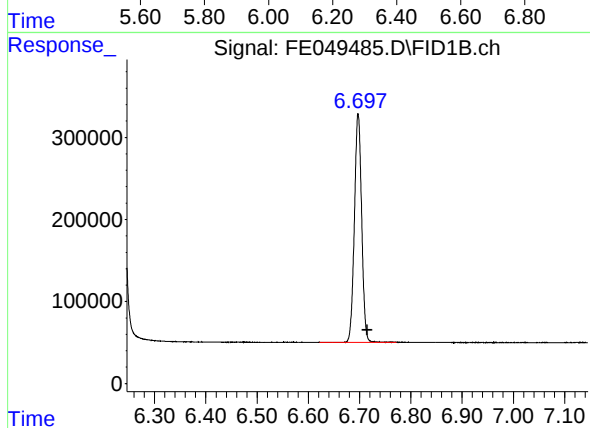
#2 n-Decane (C10)

R.T.: 4.531 min
Delta R.T.: -0.019 min
Response: 2741783
Conc: 17.75 ug/ml



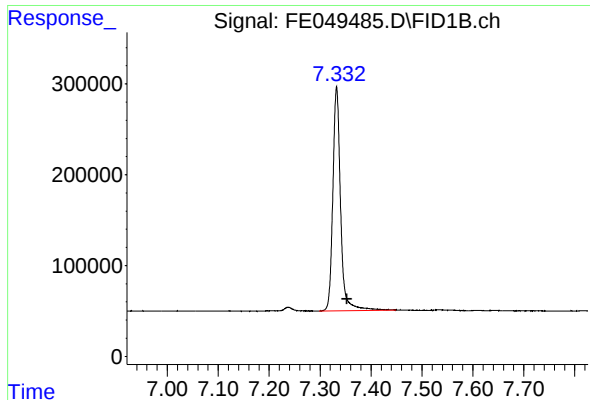
#3 A~Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: -0.020 min
Response: 2788819
Conc: 17.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min
Delta R.T.: -0.018 min
Response: 2733090
Conc: 17.75 ug/ml



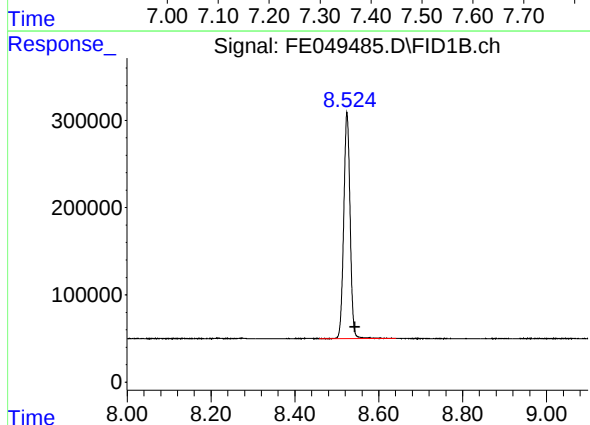
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: -0.020 min
Response: 2608548
Conc: 17.92 ug/ml

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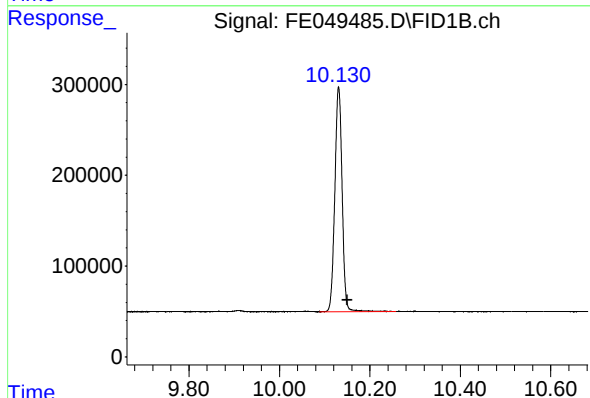
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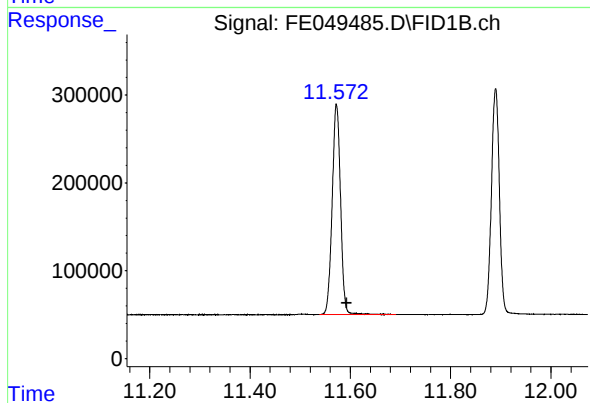
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.019 min
Response: 2718302
Conc: 17.91 ug/ml



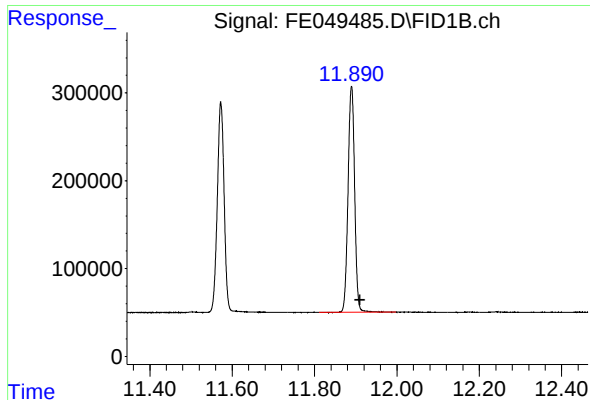
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.019 min
Response: 2762953
Conc: 18.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.573 min
Delta R.T.: -0.020 min
Response: 2776128
Conc: 18.28 ug/ml



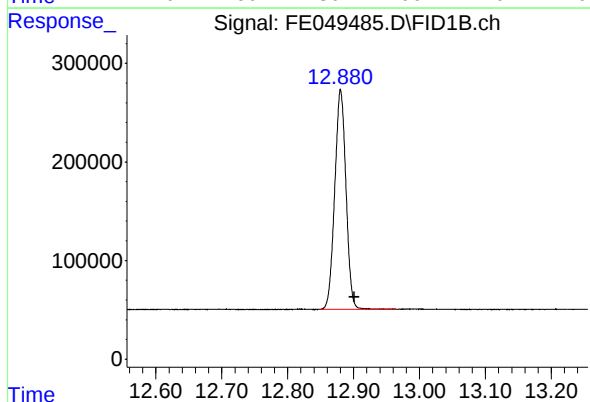
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.021 min
Response: 2845875
Conc: 18.35 ug/ml

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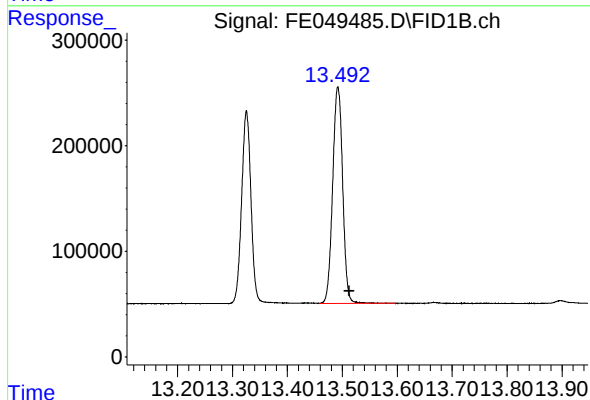
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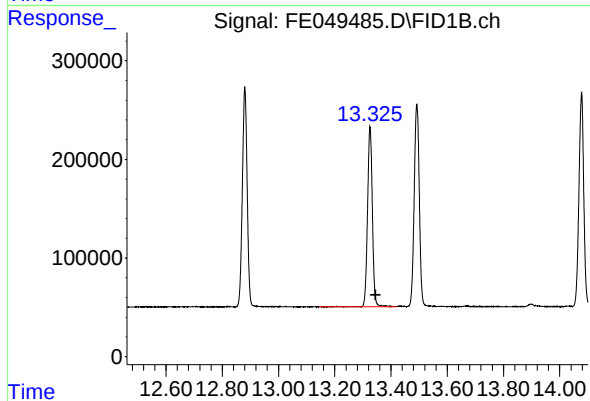
#10 n-Eicosane (C20)

R.T.: 12.880 min
Delta R.T.: -0.021 min
Response: 2638524
Conc: 18.25 ug/ml



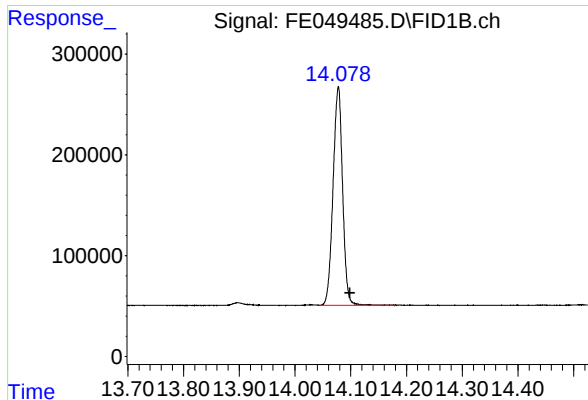
#11 n-Heneicosane (C21)

R.T.: 13.492 min
Delta R.T.: -0.021 min
Response: 2596440
Conc: 18.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.326 min
Delta R.T.: -0.021 min
Response: 2167246
Conc: 18.55 ug/ml



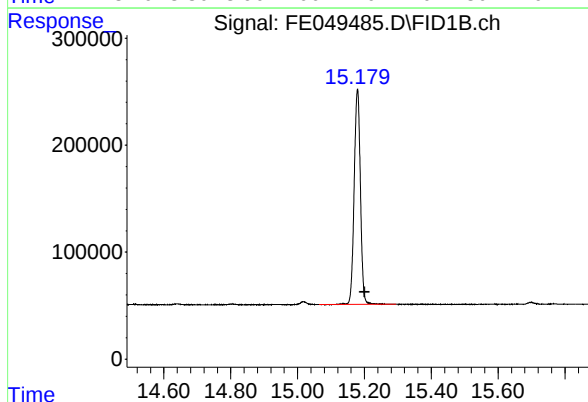
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.021 min
Response: 2578832
Conc: 18.36 ug/ml

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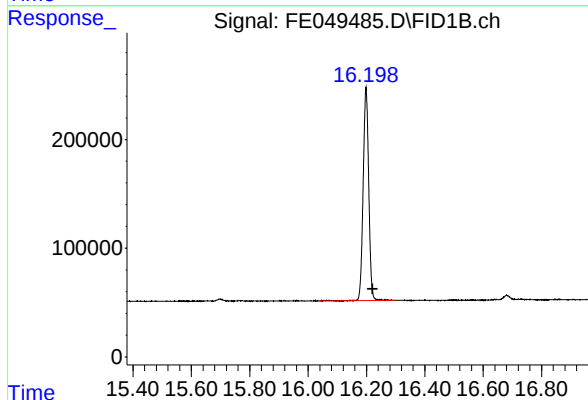
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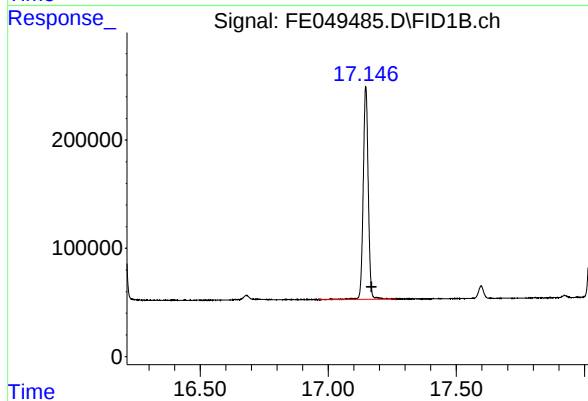
#14 n-Tetracosane (C24)

R.T.: 15.179 min
Delta R.T.: -0.021 min
Response: 2605758
Conc: 18.59 ug/ml



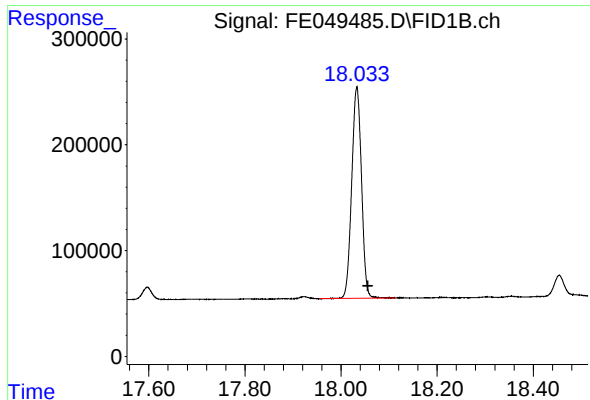
#15 n-Hexacosane (C26)

R.T.: 16.199 min
Delta R.T.: -0.022 min
Response: 2595846
Conc: 18.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.023 min
Response: 2669999
Conc: 19.08 ug/ml



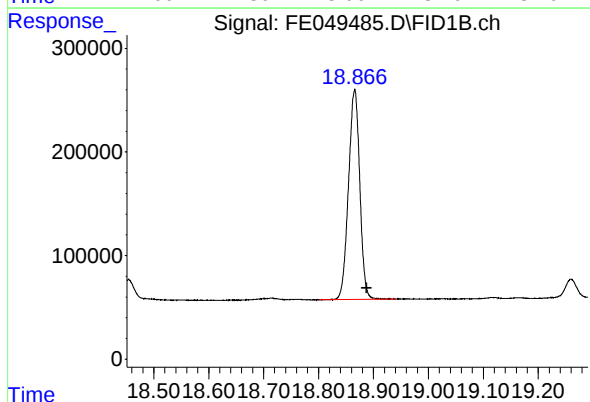
#17 n-Tricontane (C30)

R.T.: 18.033 min
Delta R.T.: -0.024 min
Response: 2825456
Conc: 19.37 ug/ml

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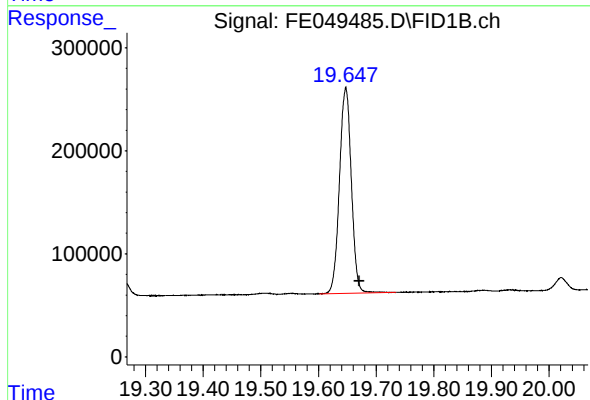
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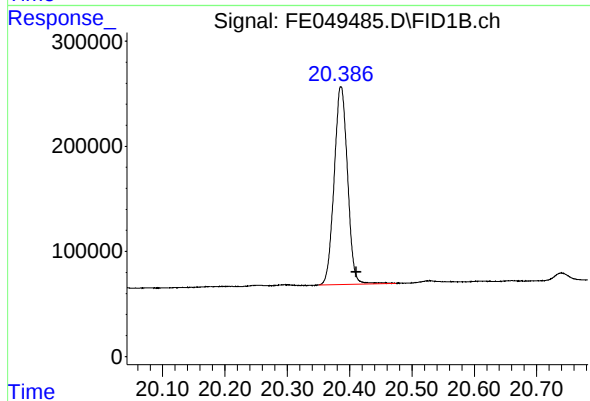
#18 n-Dotriacontane (C32)

R.T.: 18.866 min
Delta R.T.: -0.022 min
Response: 2887952
Conc: 19.64 ug/ml



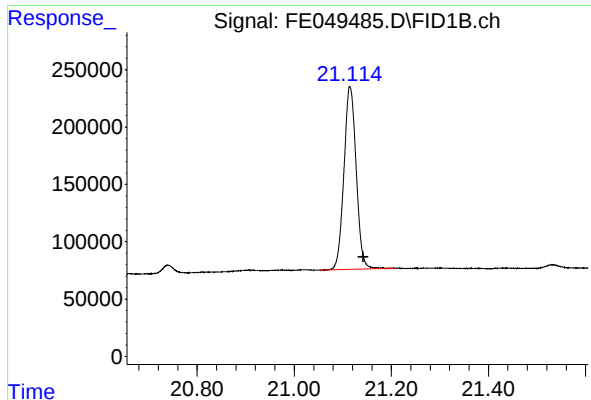
#19 n-Tetratriacontane (C34)

R.T.: 19.647 min
Delta R.T.: -0.024 min
Response: 2856807
Conc: 19.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: -0.024 min
Response: 2797874
Conc: 19.41 ug/ml



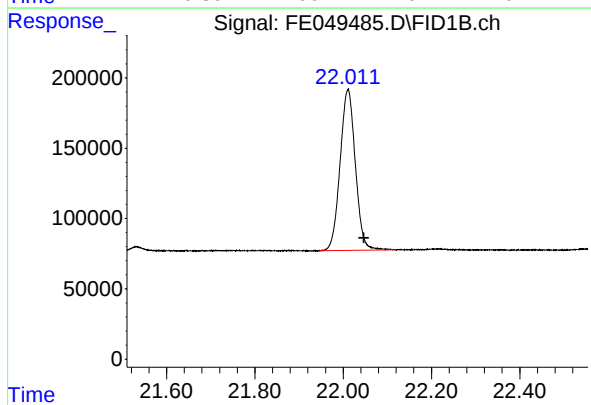
#21 n-Octatriacontane (C38)

R.T.: 21.115 min
Delta R.T.: -0.027 min
Response: 2789780
Conc: 18.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.011 min
Delta R.T.: -0.036 min
Response: 2746447
Conc: 18.20 ug/ml m