

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080724AL\
 Data File : FE049488.D
 Signal(s) : FID1B.ch
 Acq On : 07 Aug 2024 11:18
 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 08/08/2024
 Supervised By :Ankita Jodhani 08/08/2024

Integration File: autoint1.e
 Quant Time: Aug 08 01:09:18 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)	11.891	2880759	18.573 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
12) S 1-chlorooctadecane (S...	13.325	2182794	18.683 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.281	2693146	17.908 ug/ml
2) T n-Decane (C10)	4.531	2791437	18.073 ug/ml
3) T A~Naphthalene (C11.7)	6.237	2822826	18.118 ug/ml
4) T n-Dodecane (C12)	6.698	2783116	18.075 ug/ml
5) T A~2-methylnaphthalene...	7.332	2618965	17.996 ug/mlm
6) T n-Tetradecane (C14)	8.525	2748025	18.106 ug/ml
7) T n-Hexadecane (C16)	10.131	2794167	18.424 ug/ml
8) T n-Octadecane (C18)	11.573	2811412	18.517 ug/ml
10) T n-Eicosane (C20)	12.881	2662336	18.411 ug/ml
11) T n-Heneicosane (C21)	13.492	2623331	18.499 ug/ml
13) T n-Docosane (C22)	14.077	2606330	18.551 ug/ml
14) T n-Tetracosane (C24)	15.180	2630307	18.768 ug/ml
15) T n-Hexacosane (C26)	16.199	2620310	18.687 ug/ml
16) T n-Octacosane (C28)	17.148	2684711	19.181 ug/ml
17) T n-Tricontane (C30)	18.035	2881363	19.753 ug/ml
18) T n-Dotriacontane (C32)	18.866	2962771	20.150 ug/ml
19) T n-Tetratriacontane (C34)	19.649	2937922	20.113 ug/ml
20) T n-Hexatriacontane (C36)	20.388	2884671	20.010 ug/ml
21) T n-Octatriacontane (C38)	21.117	2828828	18.898 ug/ml
22) T n-Tetracontane (C40)	22.011	2706462	17.935 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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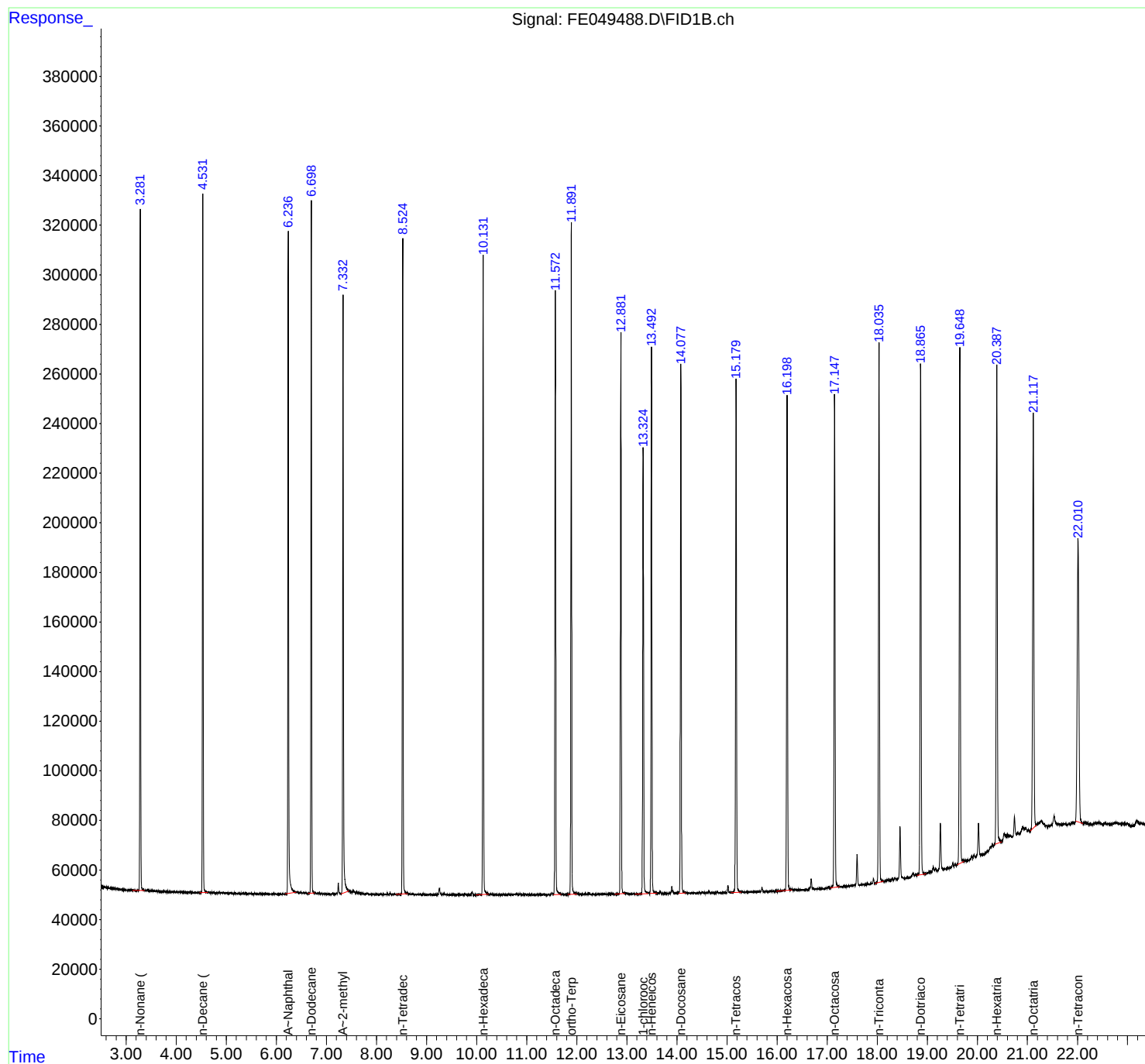
Instrument :
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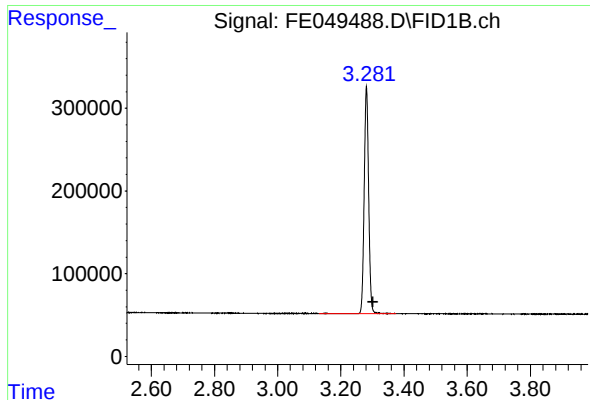
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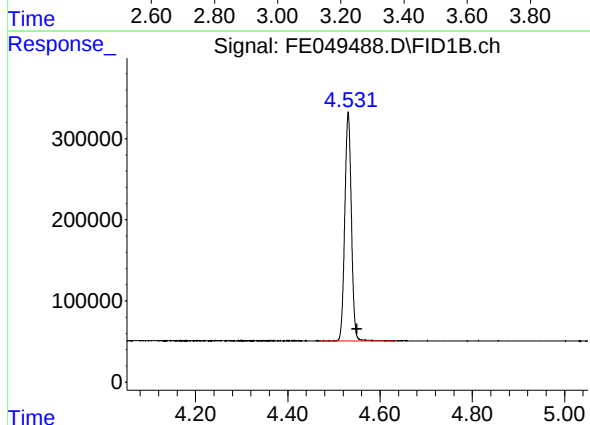
#1 n-Nonane (C9)

R.T.: 3.281 min
Delta R.T.: -0.020 min
Response: 2693146
Conc: 17.91 ug/ml

Instrument :
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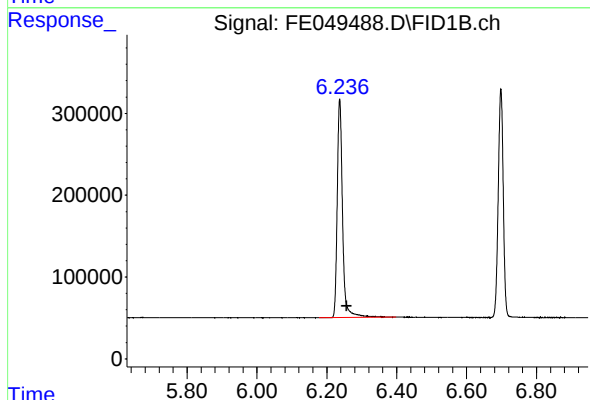
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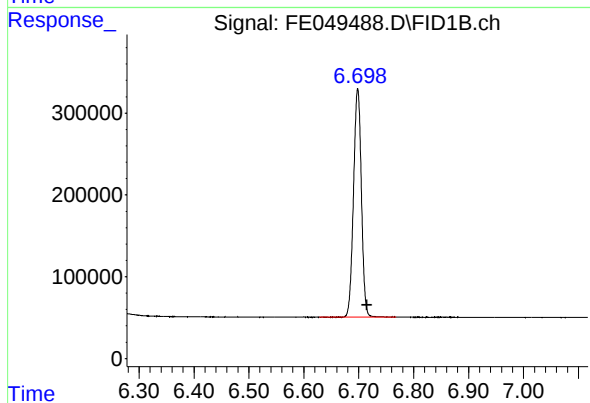
#2 n-Decane (C10)

R.T.: 4.531 min
Delta R.T.: -0.019 min
Response: 2791437
Conc: 18.07 ug/ml



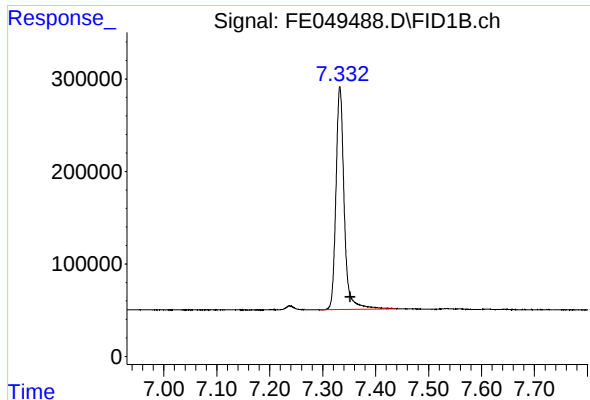
#3 A~Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: -0.020 min
Response: 2822826
Conc: 18.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.698 min
Delta R.T.: -0.017 min
Response: 2783116
Conc: 18.07 ug/ml



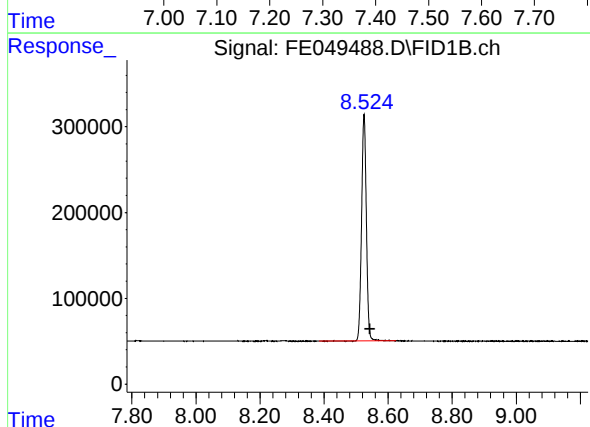
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: -0.020 min
Response: 2618965
Conc: 18.00 ug/ml

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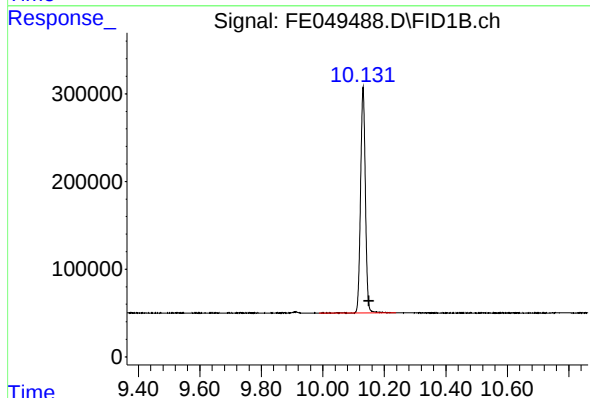
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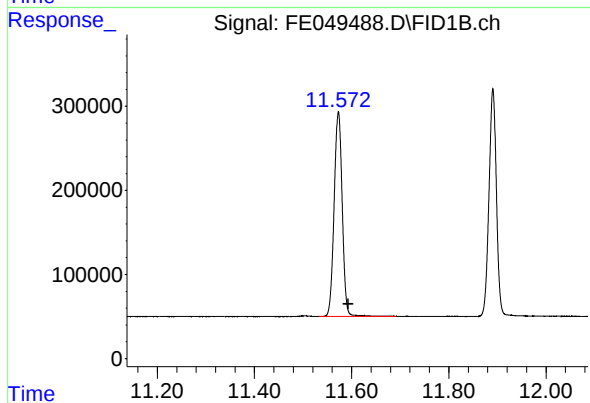
#6 n-Tetradecane (C14)

R.T.: 8.525 min
Delta R.T.: -0.018 min
Response: 2748025
Conc: 18.11 ug/ml



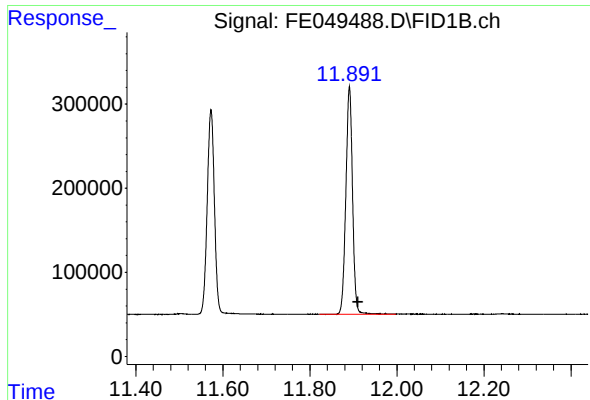
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.019 min
Response: 2794167
Conc: 18.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.573 min
Delta R.T.: -0.020 min
Response: 2811412
Conc: 18.52 ug/ml



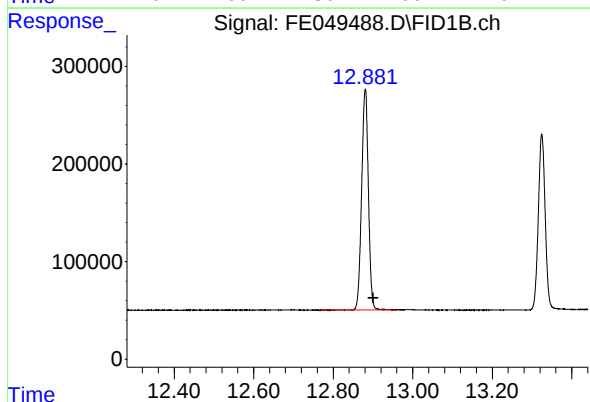
#9 ortho-Terphenyl (SURR)

R.T.: 11.891 min
Delta R.T.: -0.020 min
Response: 2880759
Conc: 18.57 ug/ml

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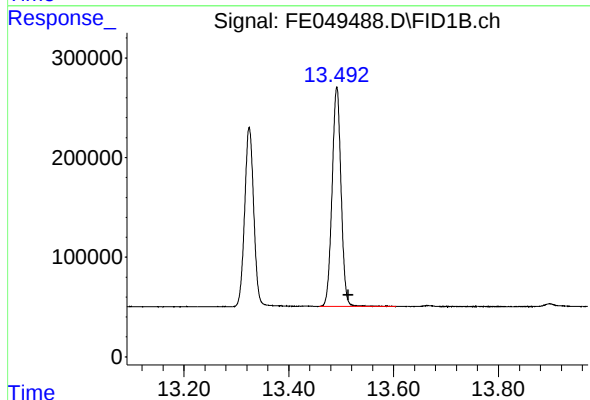
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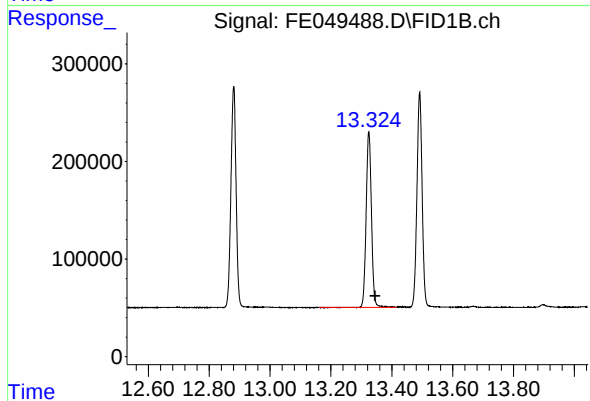
#10 n-Eicosane (C20)

R.T.: 12.881 min
Delta R.T.: -0.021 min
Response: 2662336
Conc: 18.41 ug/ml



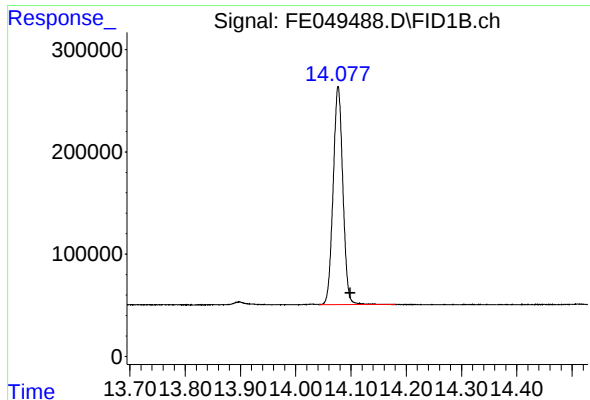
#11 n-Heneicosane (C21)

R.T.: 13.492 min
Delta R.T.: -0.022 min
Response: 2623331
Conc: 18.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.325 min
Delta R.T.: -0.022 min
Response: 2182794
Conc: 18.68 ug/ml



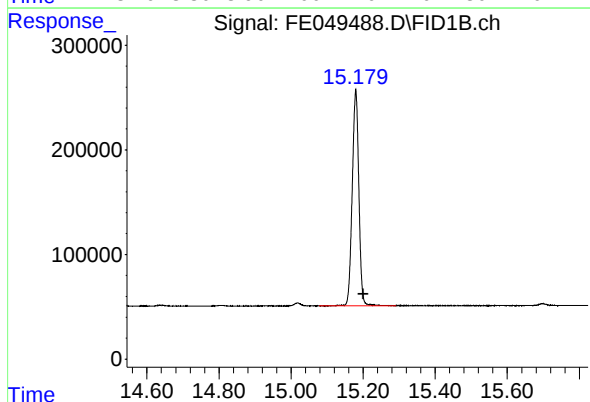
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.022 min
Response: 2606330
Conc: 18.55 ug/ml

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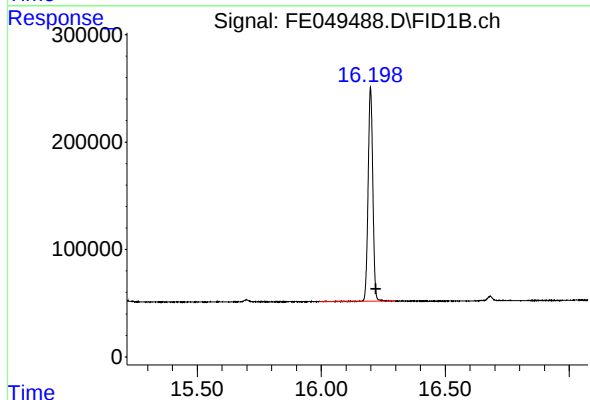
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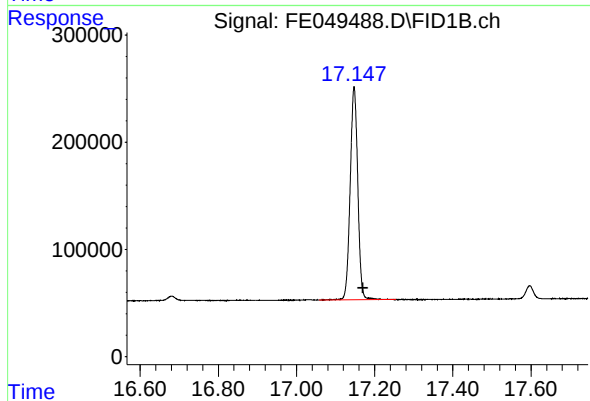
#14 n-Tetracosane (C24)

R.T.: 15.180 min
Delta R.T.: -0.021 min
Response: 2630307
Conc: 18.77 ug/ml



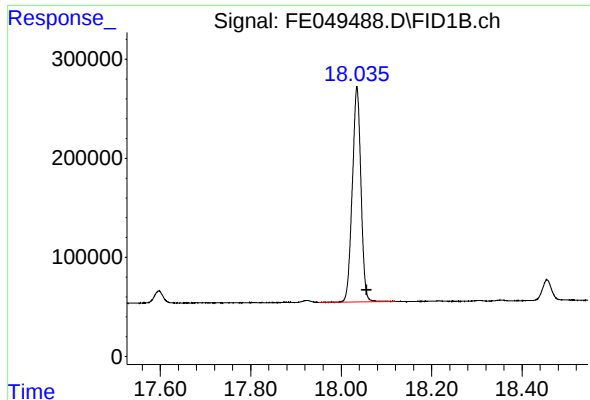
#15 n-Hexacosane (C26)

R.T.: 16.199 min
Delta R.T.: -0.022 min
Response: 2620310
Conc: 18.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.022 min
Response: 2684711
Conc: 19.18 ug/ml



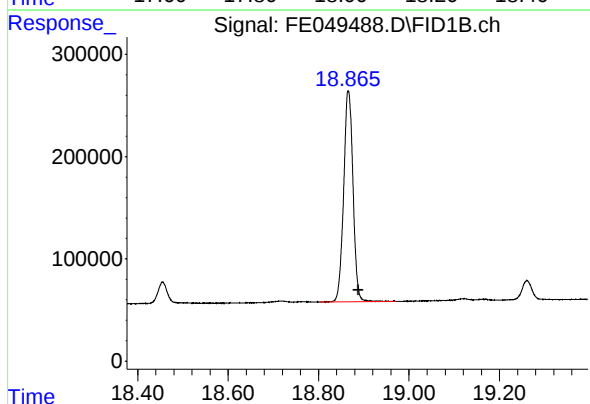
#17 n-Tricontane (C30)

R.T.: 18.035 min
Delta R.T.: -0.022 min
Response: 2881363
Conc: 19.75 ug/ml

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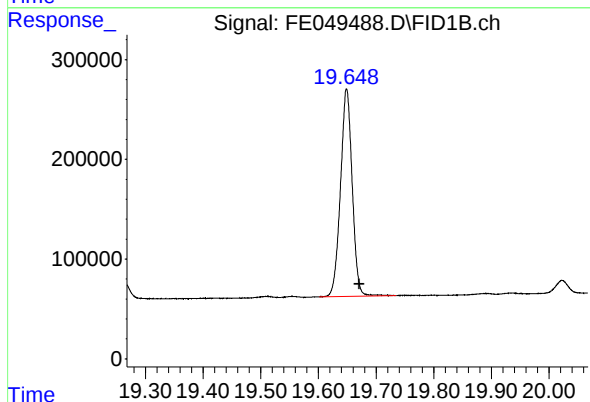
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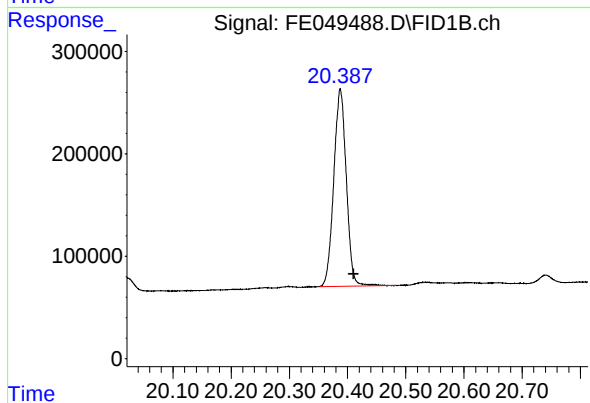
#18 n-Dotriacontane (C32)

R.T.: 18.866 min
Delta R.T.: -0.022 min
Response: 2962771
Conc: 20.15 ug/ml



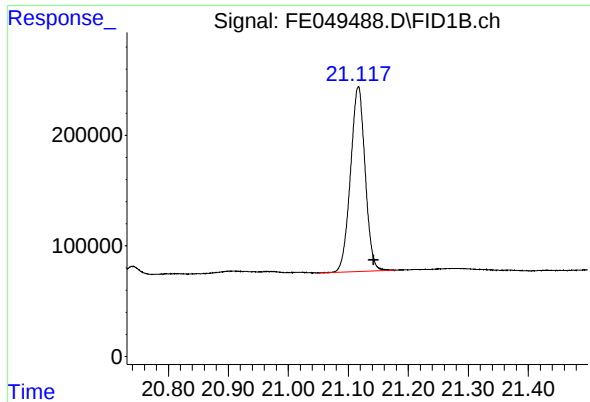
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: -0.022 min
Response: 2937922
Conc: 20.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: -0.023 min
Response: 2884671
Conc: 20.01 ug/ml



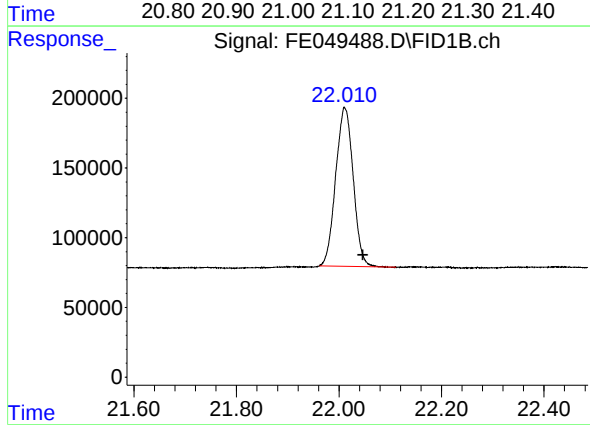
#21 n-Octatriacontane (C38)

R.T.: 21.117 min
Delta R.T.: -0.025 min
Response: 2828828
Conc: 18.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.011 min
Delta R.T.: -0.035 min
Response: 2706462
Conc: 17.93 ug/ml