

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070522AL\
 Data File : FC060574.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jul 2022 10:09
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/06/2022
 Supervised By :Ankita Jodhani 07/06/2022

Integration File: autoint1.e
 Quant Time: Jul 06 04:52:42 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062422.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 25 04:15:44 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)	10.633	3573678	19.501 ug/ml
Spiked Amount 50.000		Recovery =	39.00%
12) S 1-chlorooctadecane (S...	12.000	2815227	19.100 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
Target Compounds			
1) T n-Nonane (C9)	2.623	3121751	20.351 ug/ml
2) T n-Decane (C10)	3.618	3119063	20.424 ug/ml
3) T A~Naphthalene (C11.7)	5.155	3404530	20.363 ug/ml
4) T n-Dodecane (C12)	5.567	3293299	20.378 ug/ml
5) T A~2-methylnaphthalene...	6.179	3450406	20.298 ug/ml
6) T n-Tetradecane (C14)	7.316	3325457	20.130 ug/ml
7) T n-Hexadecane (C16)	8.878	3364793	19.910 ug/ml
8) T n-Octadecane (C18)	10.286	3366677	19.569 ug/ml
10) T n-Eicosane (C20)	11.564	3293555	19.298 ug/ml
11) T n-Heneicosane (C21)	12.161	3269411	19.175 ug/ml
13) T n-Docosane (C22)	12.733	3222080	18.902 ug/ml
14) T n-Tetracosane (C24)	13.810	3118155	18.571 ug/ml
15) T n-Hexacosane (C26)	14.808	2973460	18.095 ug/ml
16) T n-Octacosane (C28)	15.734	2823561	17.794 ug/ml
17) T n-Tricontane (C30)	16.599	2681692	17.617 ug/ml
18) T n-Dotriacontane (C32)	17.412	2499865	17.197 ug/ml
19) T n-Tetratriacontane (C34)	18.175	2338781	18.414 ug/ml
20) T n-Hexatriacontane (C36)	18.895	2243618	19.991 ug/ml
21) T n-Octatriacontane (C38)	19.579	2203172	20.127 ug/mlm
22) T n-Tetracontane (C40)	20.224	2492681	22.071 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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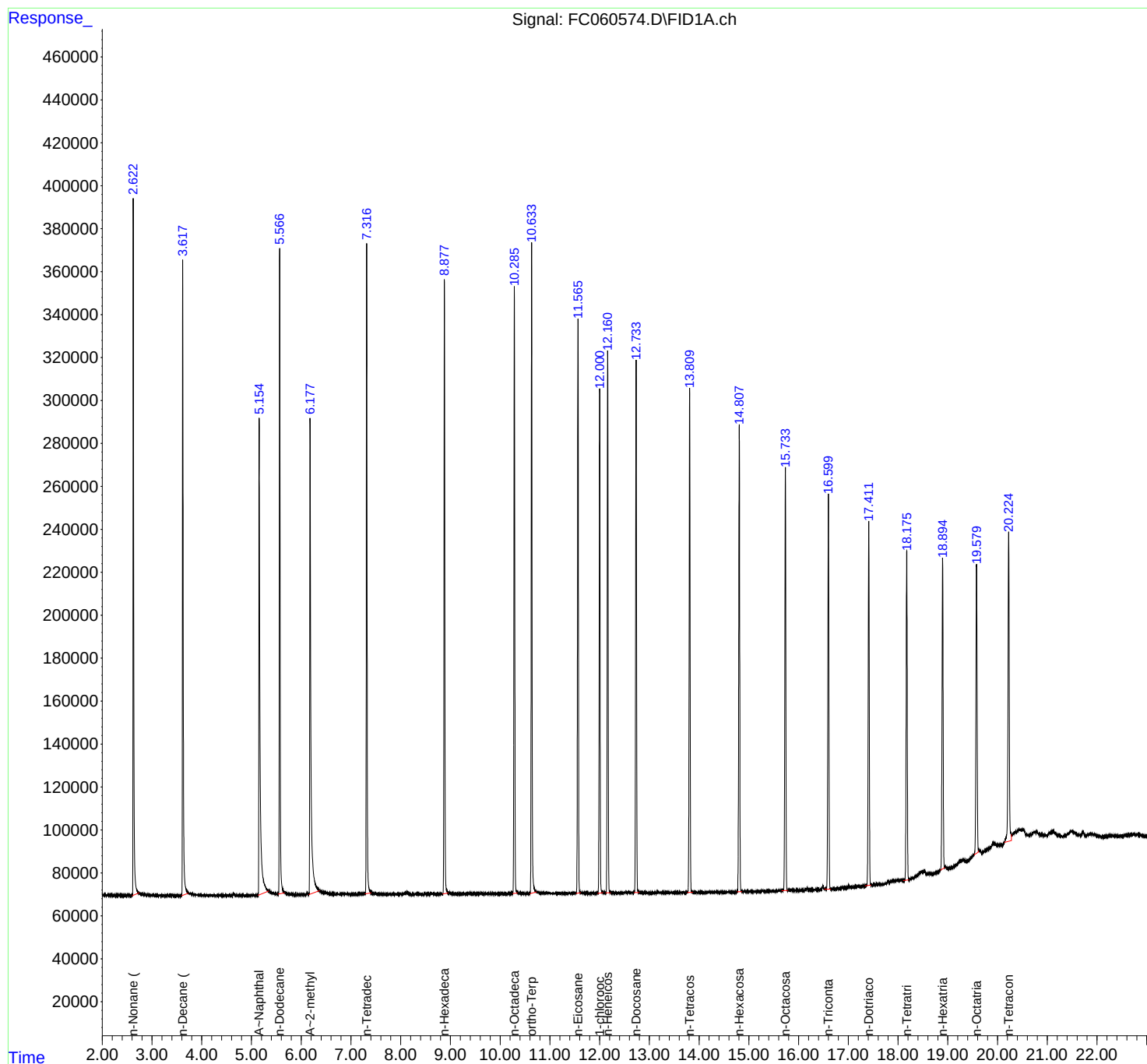
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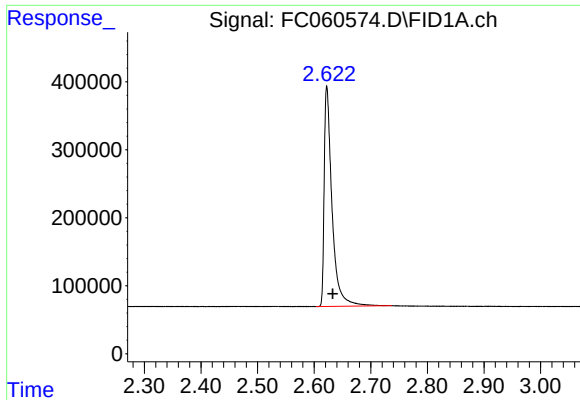
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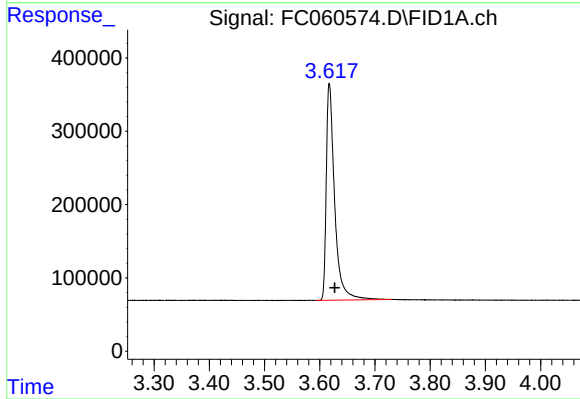
#1 n-Nonane (C9)

R.T.: 2.623 min
Delta R.T.: -0.010 min
Response: 3121751
Conc: 20.35 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

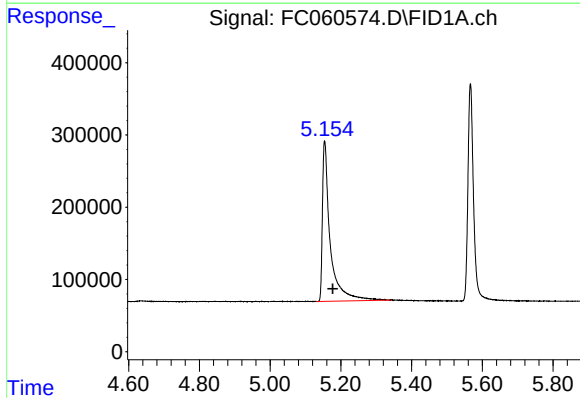
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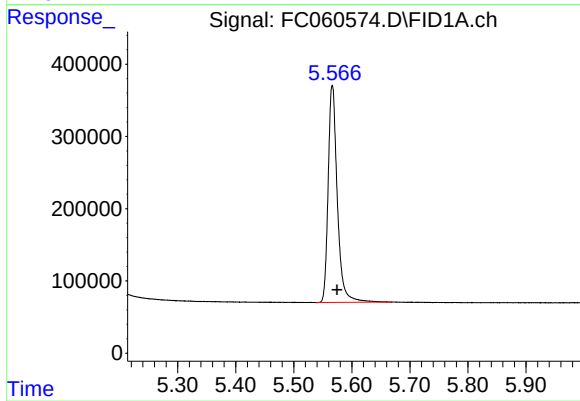
#2 n-Decane (C10)

R.T.: 3.618 min
Delta R.T.: -0.009 min
Response: 3119063
Conc: 20.42 ug/ml



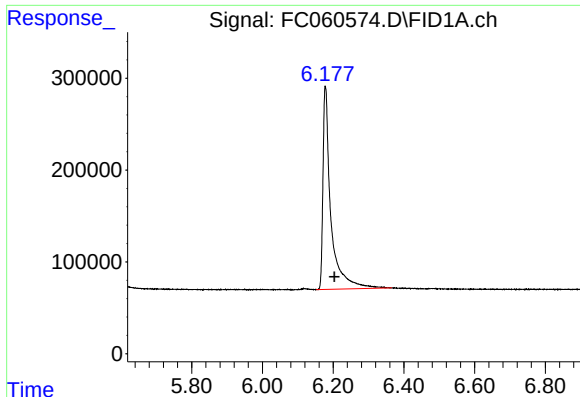
#3 A~Naphthalene (C11.7)

R.T.: 5.155 min
Delta R.T.: -0.022 min
Response: 3404530
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.567 min
Delta R.T.: -0.008 min
Response: 3293299
Conc: 20.38 ug/ml



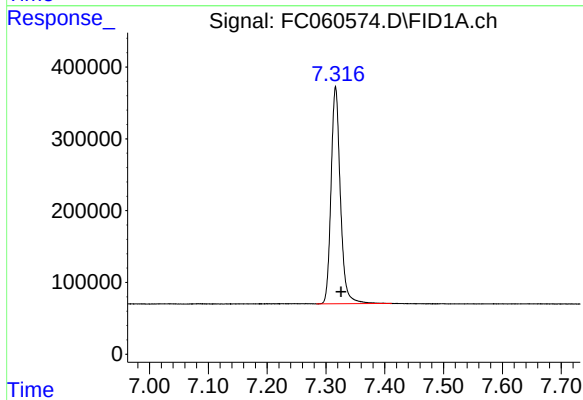
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.179 min
Delta R.T.: -0.026 min
Response: 3450406
Conc: 20.30 ug/ml

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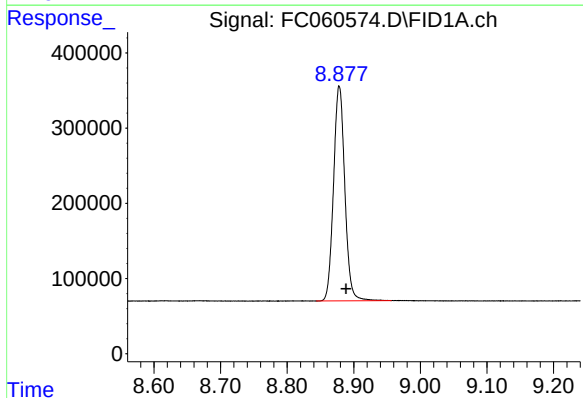
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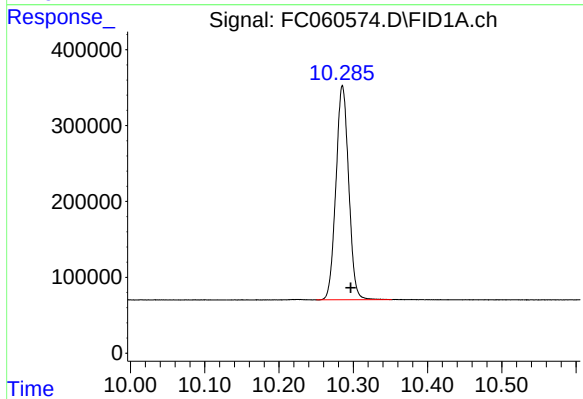
#6 n-Tetradecane (C14)

R.T.: 7.316 min
Delta R.T.: -0.009 min
Response: 3325457
Conc: 20.13 ug/ml



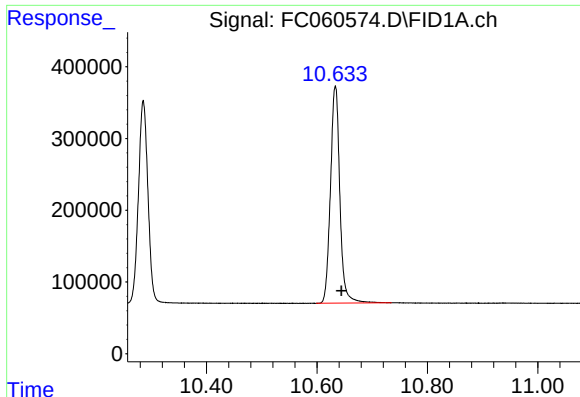
#7 n-Hexadecane (C16)

R.T.: 8.878 min
Delta R.T.: -0.010 min
Response: 3364793
Conc: 19.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.286 min
Delta R.T.: -0.011 min
Response: 3366677
Conc: 19.57 ug/ml



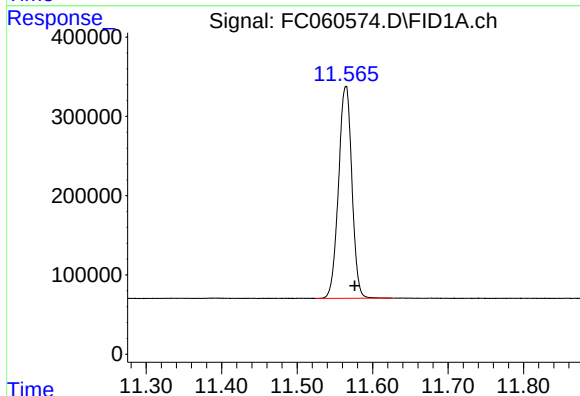
#9 ortho-Terphenyl (SURR)

R.T.: 10.633 min
Delta R.T.: -0.011 min
Response: 3573678
Conc: 19.50 ug/ml

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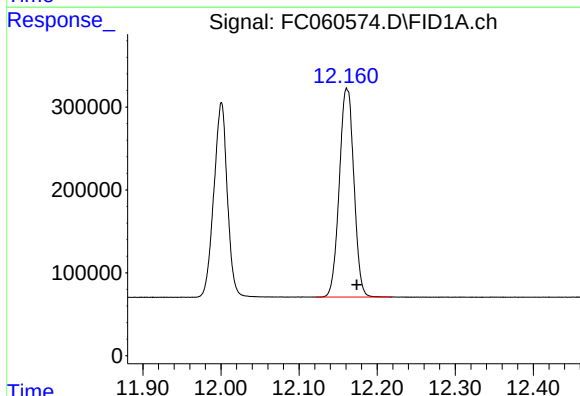
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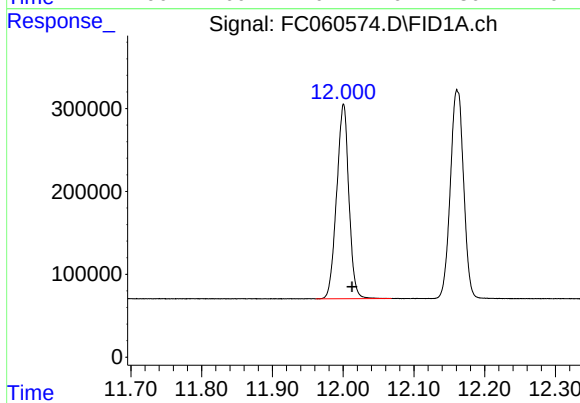
#10 n-Eicosane (C20)

R.T.: 11.564 min
Delta R.T.: -0.012 min
Response: 3293555
Conc: 19.30 ug/ml



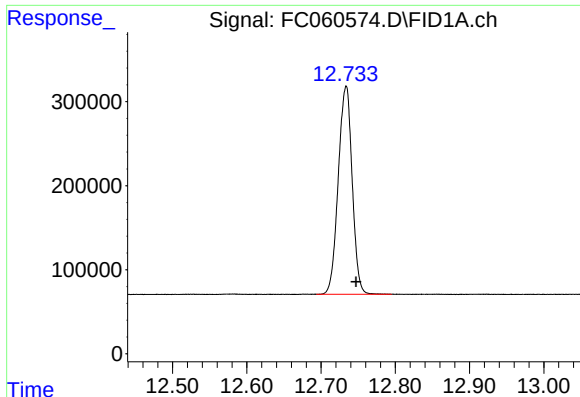
#11 n-Heneicosane (C21)

R.T.: 12.161 min
Delta R.T.: -0.013 min
Response: 3269411
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.000 min
Delta R.T.: -0.012 min
Response: 2815227
Conc: 19.10 ug/ml



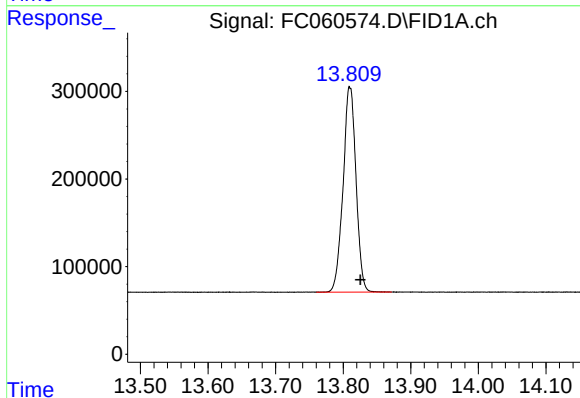
#13 n-Docosane (C22)

R.T.: 12.733 min
Delta R.T.: -0.014 min
Response: 3222080
Conc: 18.90 ug/ml

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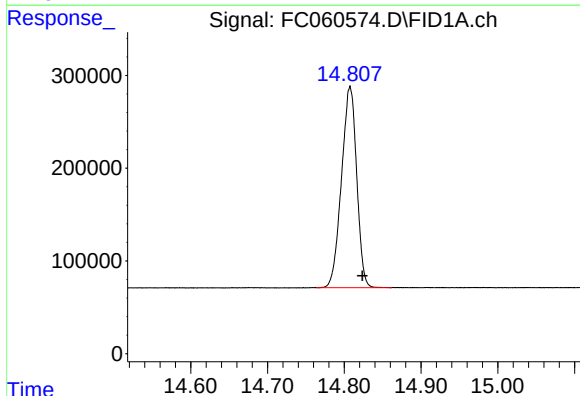
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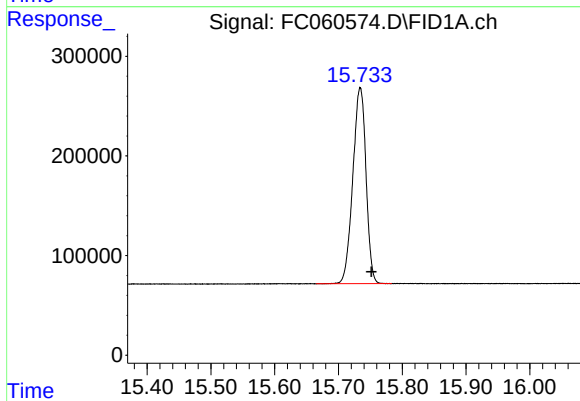
#14 n-Tetracosane (C24)

R.T.: 13.810 min
Delta R.T.: -0.015 min
Response: 3118155
Conc: 18.57 ug/ml



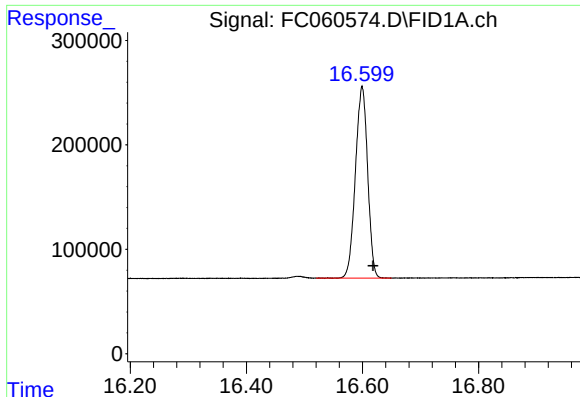
#15 n-Hexacosane (C26)

R.T.: 14.808 min
Delta R.T.: -0.016 min
Response: 2973460
Conc: 18.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.734 min
Delta R.T.: -0.017 min
Response: 2823561
Conc: 17.79 ug/ml



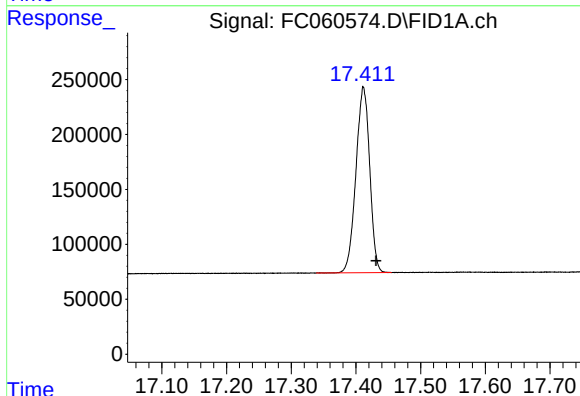
#17 n-Tricontane (C30)

R.T.: 16.599 min
Delta R.T.: -0.019 min
Response: 2681692
Conc: 17.62 ug/ml

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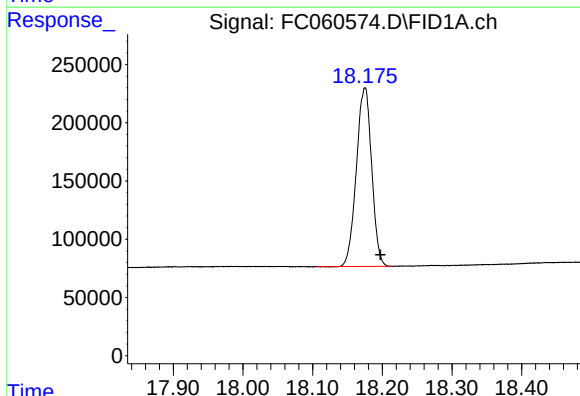
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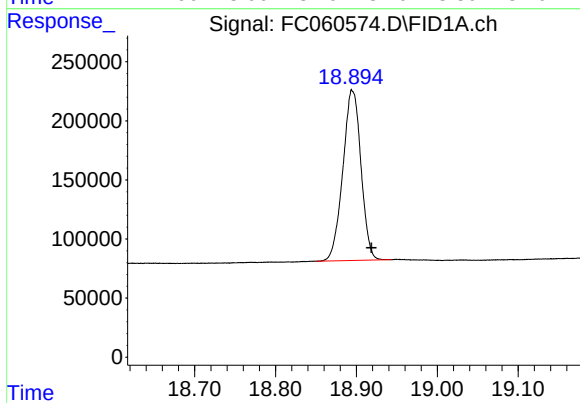
#18 n-Dotriacontane (C32)

R.T.: 17.412 min
Delta R.T.: -0.020 min
Response: 2499865
Conc: 17.20 ug/ml



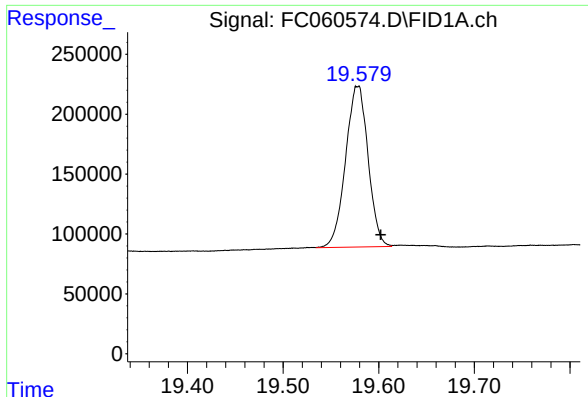
#19 n-Tetratriacontane (C34)

R.T.: 18.175 min
Delta R.T.: -0.023 min
Response: 2338781
Conc: 18.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.895 min
Delta R.T.: -0.023 min
Response: 2243618
Conc: 19.99 ug/ml



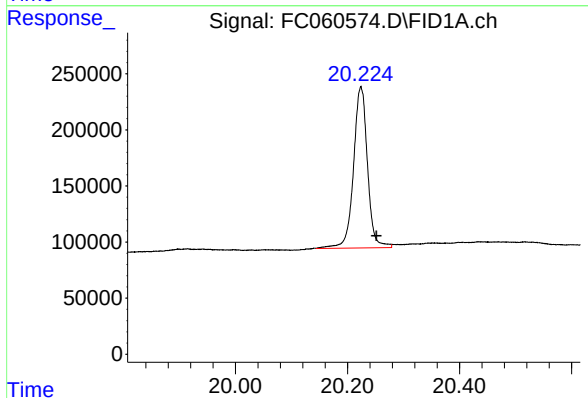
#21 n-Octatriacontane (C38)

R.T.: 19.579 min
Delta R.T.: -0.023 min
Response: 2203172
Conc: 20.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.224 min
Delta R.T.: -0.027 min
Response: 2492681
Conc: 22.07 ug/ml m