

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061623AL\
 Data File : FG012188.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jun 2023 13:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :Ankita Jodhani 06/19/2023

Integration File: autoint1.e
 Quant Time: Jun 16 23:37:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051923.M
 Quant Title : GC Extractables
 QLast Update : Fri May 19 12:59:06 2023
 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)	10.908	3310822	21.153 ug/ml
Spiked Amount 50.000		Recovery =	42.31%
12) S 1-chlorooctadecane (S...	12.347	2459205	20.738 ug/ml
Spiked Amount 50.000		Recovery =	41.48%
Target Compounds			
1) T n-Nonane (C9)	2.749	2624242	22.793 ug/ml
2) T n-Decane (C10)	3.759	2685051	22.763 ug/ml
3) T A~Naphthalene (C11.7)	5.326	3012365	22.982 ug/ml
4) T n-Dodecane (C12)	5.750	2737783	22.826 ug/ml
5) T A~2-methylnaphthalene...	6.377	2875132	22.776 ug/ml
6) T n-Tetradecane (C14)	7.544	2753838	22.678 ug/ml
7) T n-Hexadecane (C16)	9.147	2908060	22.398 ug/ml
8) T n-Octadecane (C18)	10.591	2985217	21.931 ug/ml
10) T n-Eicosane (C20)	11.901	2869514	21.263 ug/ml
11) T n-Heneicosane (C21)	12.514	2804421	20.865 ug/ml
13) T n-Docosane (C22)	13.101	2766703	20.475 ug/ml
14) T n-Tetracosane (C24)	14.206	2706363	19.885 ug/ml
15) T n-Hexacosane (C26)	15.228	2622021	19.600 ug/ml
16) T n-Octacosane (C28)	16.179	2587886	19.823 ug/ml
17) T n-Tricontane (C30)	17.068	2665518	20.210 ug/ml
18) T n-Dotriacontane (C32)	17.902	2652979	20.651 ug/mlm
19) T n-Tetratriacontane (C34)	18.687	2611106	21.310 ug/mlm
20) T n-Hexatriacontane (C36)	19.429	2512010	21.593 ug/ml
21) T n-Octatriacontane (C38)	20.168	2527317	22.494 ug/ml
22) T n-Tetracontane (C40)	21.083	2477444	22.994 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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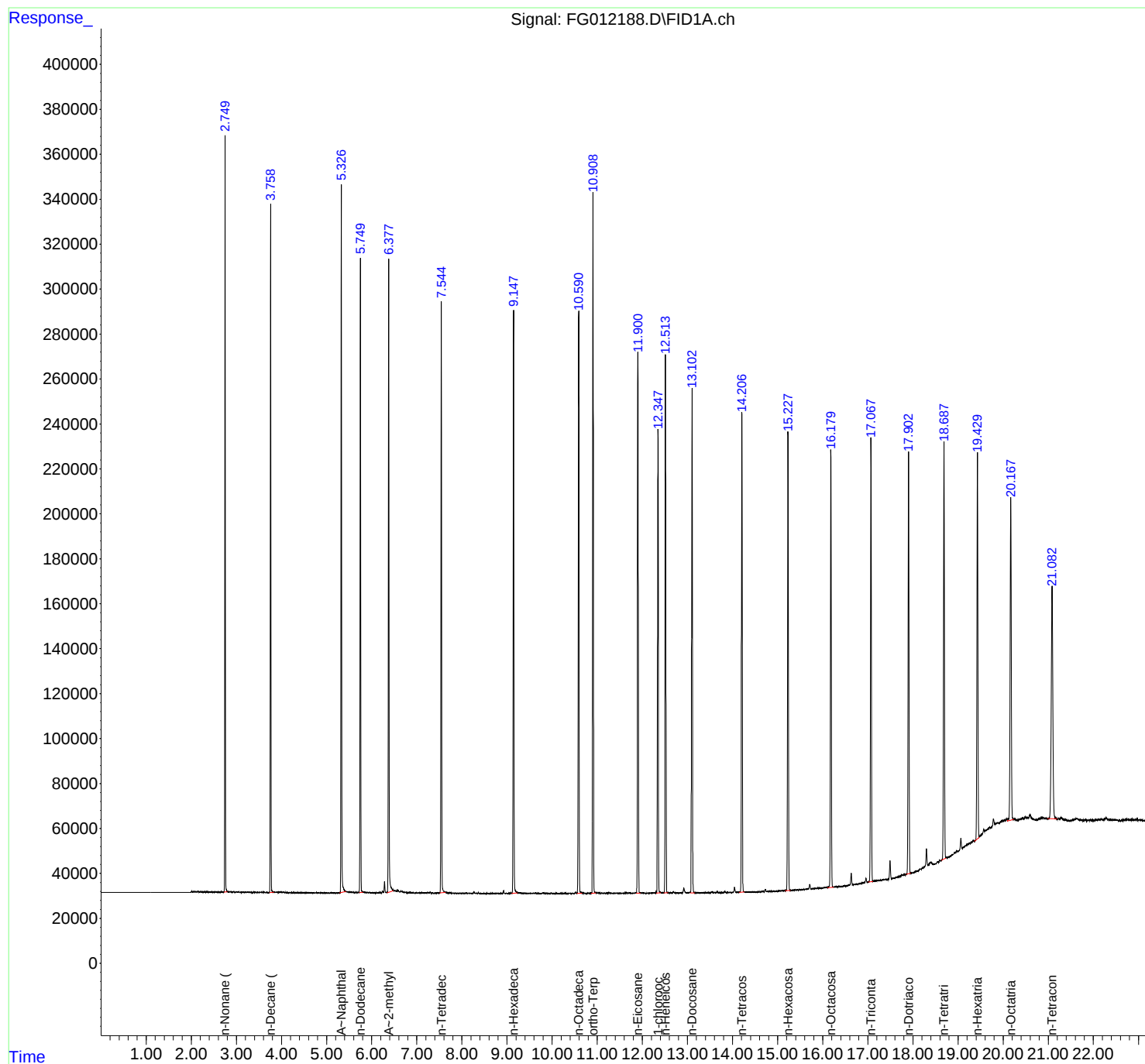
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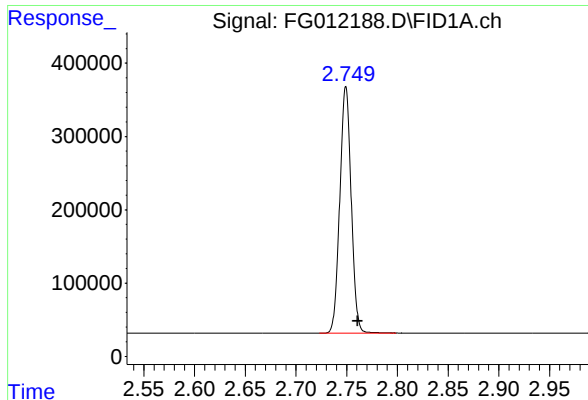
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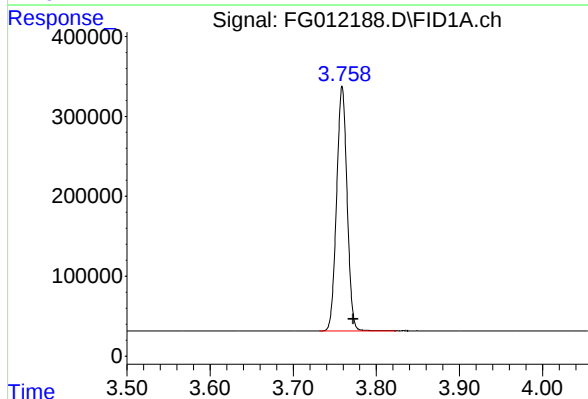
#1 n-Nonane (C9)

R.T.: 2.749 min
Delta R.T.: -0.012 min
Response: 2624242
Conc: 22.79 ug/ml

Instrument :
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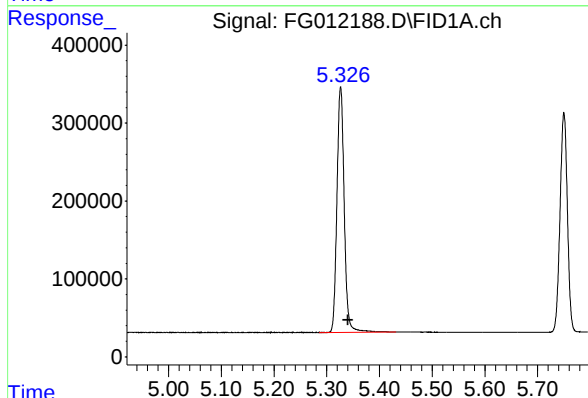
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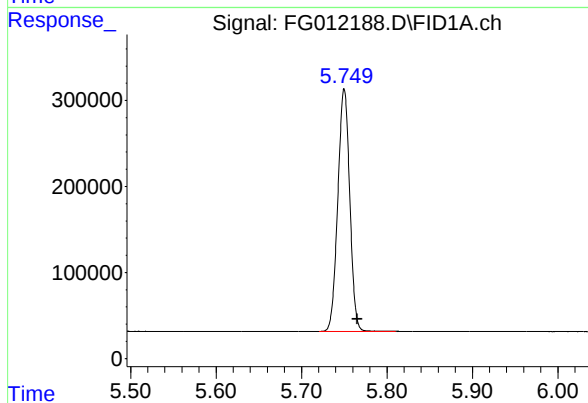
#2 n-Decane (C10)

R.T.: 3.759 min
Delta R.T.: -0.014 min
Response: 2685051
Conc: 22.76 ug/ml



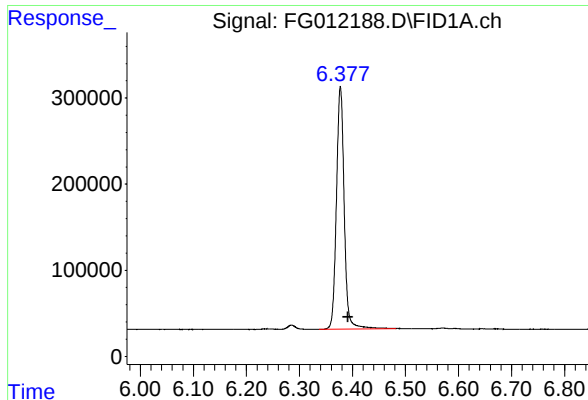
#3 A~Naphthalene (C11.7)

R.T.: 5.326 min
Delta R.T.: -0.014 min
Response: 3012365
Conc: 22.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.750 min
Delta R.T.: -0.015 min
Response: 2737783
Conc: 22.83 ug/ml



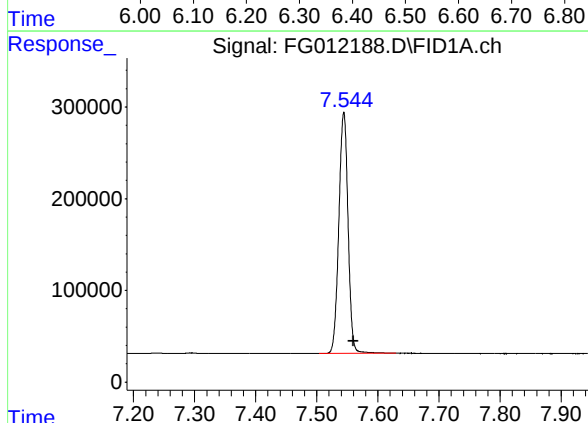
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.377 min
Delta R.T.: -0.014 min
Response: 2875132
Conc: 22.78 ug/ml

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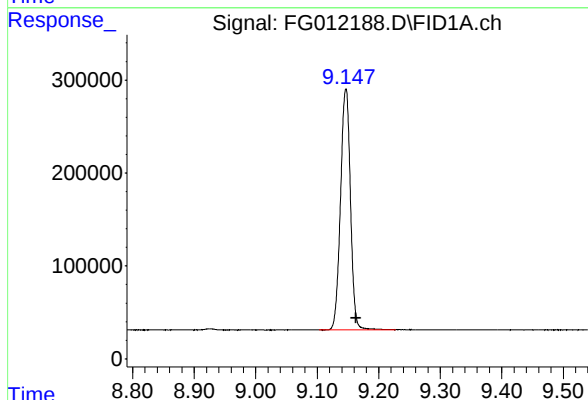
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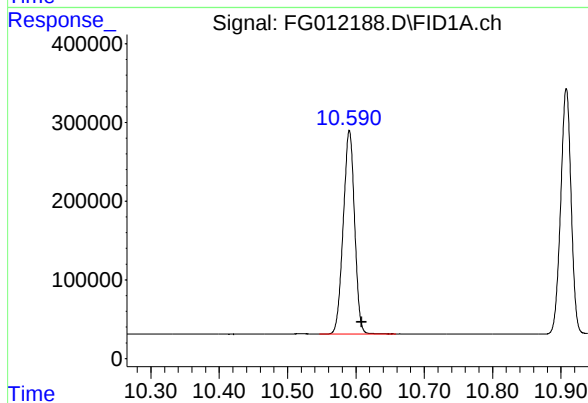
#6 n-Tetradecane (C14)

R.T.: 7.544 min
Delta R.T.: -0.016 min
Response: 2753838
Conc: 22.68 ug/ml



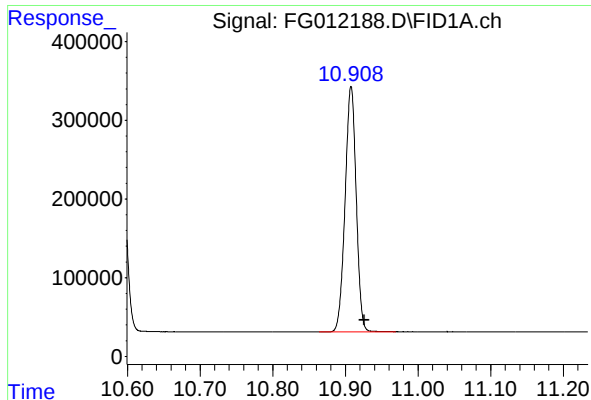
#7 n-Hexadecane (C16)

R.T.: 9.147 min
Delta R.T.: -0.016 min
Response: 2908060
Conc: 22.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.591 min
Delta R.T.: -0.018 min
Response: 2985217
Conc: 21.93 ug/ml



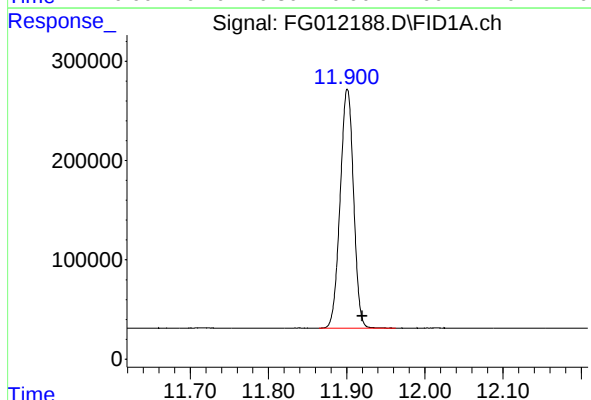
#9 ortho-Terphenyl (SURR)

R.T.: 10.908 min
Delta R.T.: -0.018 min
Response: 3310822
Conc: 21.15 ug/ml

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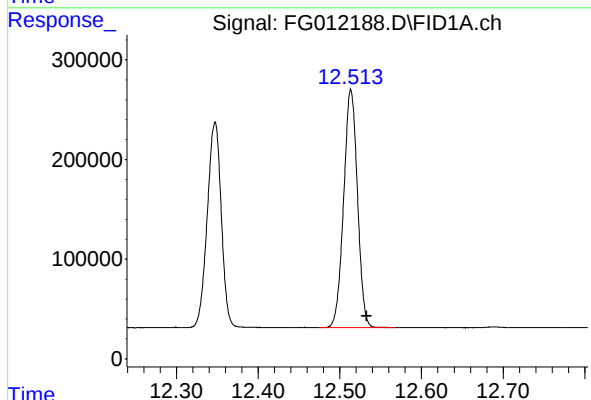
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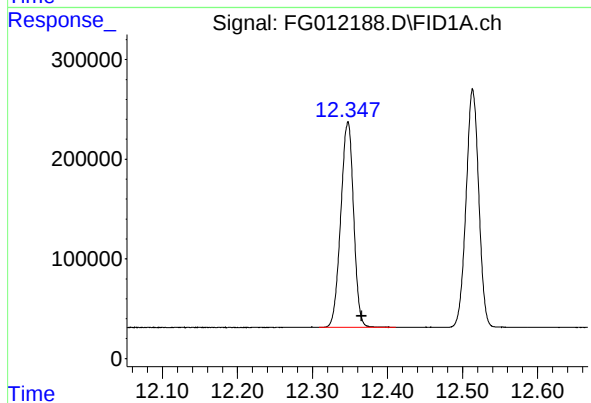
#10 n-Eicosane (C20)

R.T.: 11.901 min
Delta R.T.: -0.019 min
Response: 2869514
Conc: 21.26 ug/ml



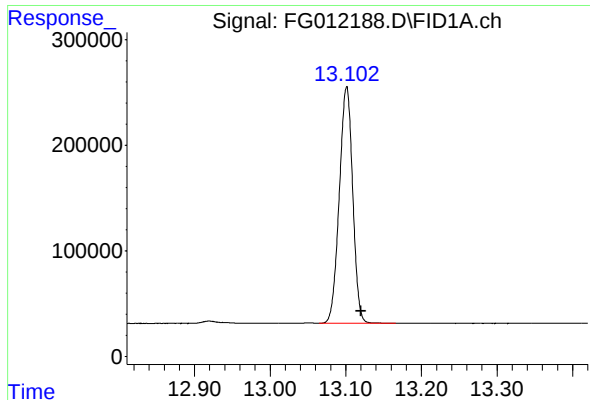
#11 n-Heneicosane (C21)

R.T.: 12.514 min
Delta R.T.: -0.020 min
Response: 2804421
Conc: 20.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.347 min
Delta R.T.: -0.018 min
Response: 2459205
Conc: 20.74 ug/ml



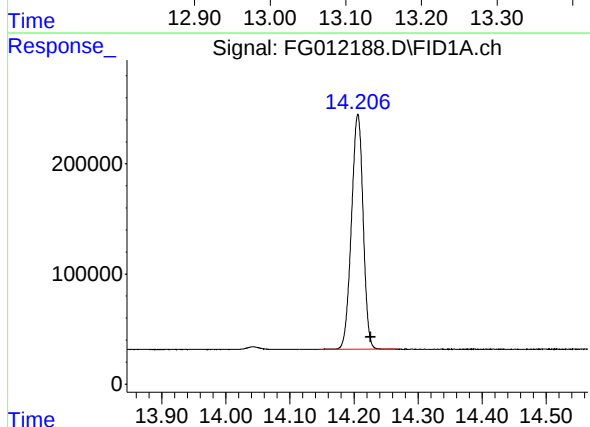
#13 n-Docosane (C22)

R.T.: 13.101 min
Delta R.T.: -0.019 min
Response: 2766703
Conc: 20.47 ug/ml

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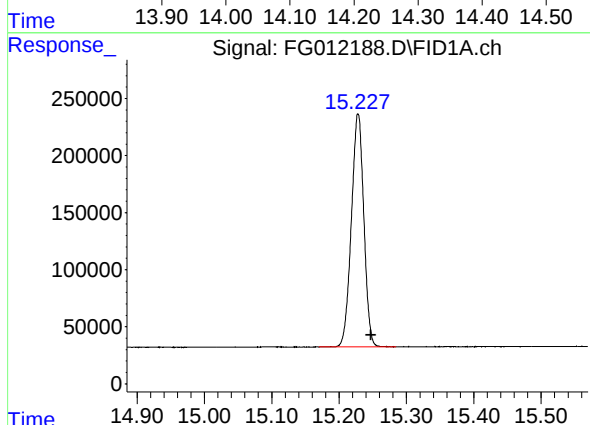
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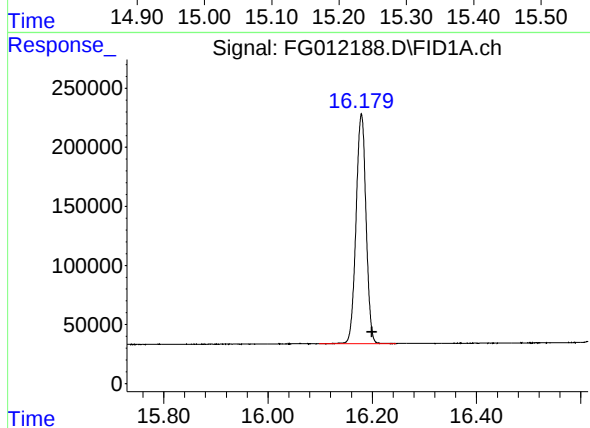
#14 n-Tetracosane (C24)

R.T.: 14.206 min
Delta R.T.: -0.020 min
Response: 2706363
Conc: 19.89 ug/ml



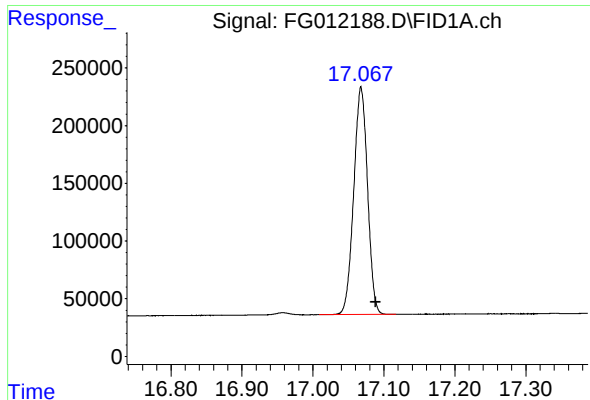
#15 n-Hexacosane (C26)

R.T.: 15.228 min
Delta R.T.: -0.019 min
Response: 2622021
Conc: 19.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.179 min
Delta R.T.: -0.020 min
Response: 2587886
Conc: 19.82 ug/ml



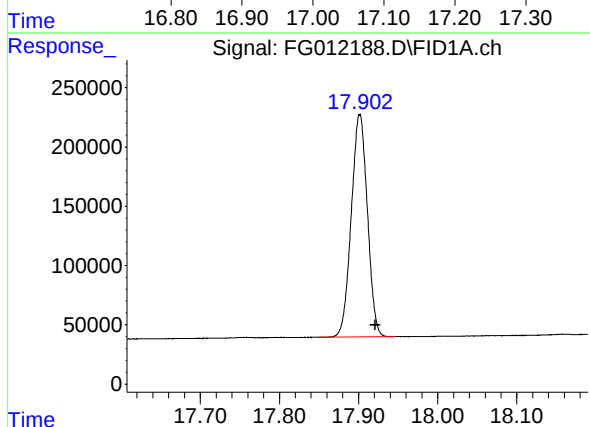
#17 n-Tricontane (C30)

R.T.: 17.068 min
Delta R.T.: -0.021 min
Response: 2665518
Conc: 20.21 ug/ml

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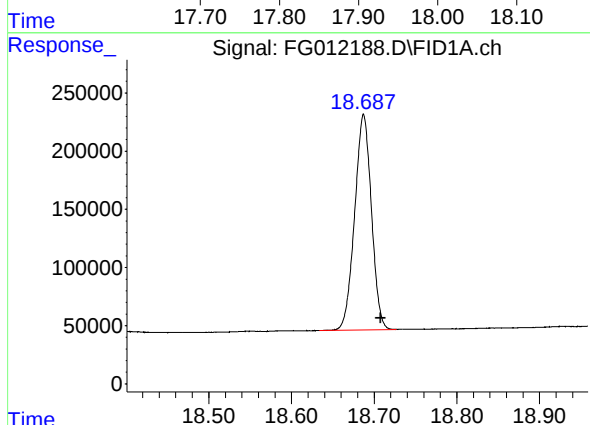
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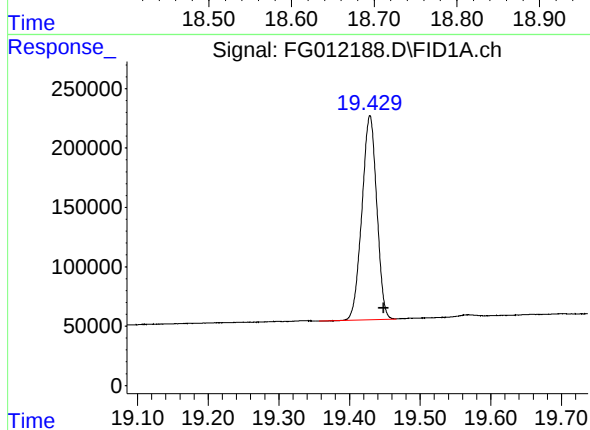
#18 n-Dotriacontane (C32)

R.T.: 17.902 min
Delta R.T.: -0.019 min
Response: 2652979
Conc: 20.65 ug/ml m



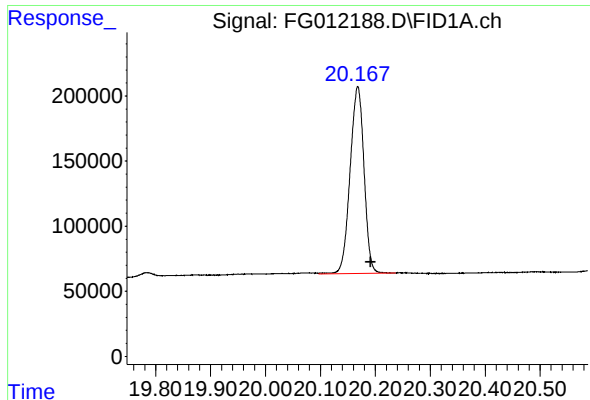
#19 n-Tetratriacontane (C34)

R.T.: 18.687 min
Delta R.T.: -0.021 min
Response: 2611106
Conc: 21.31 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.429 min
Delta R.T.: -0.020 min
Response: 2512010
Conc: 21.59 ug/ml



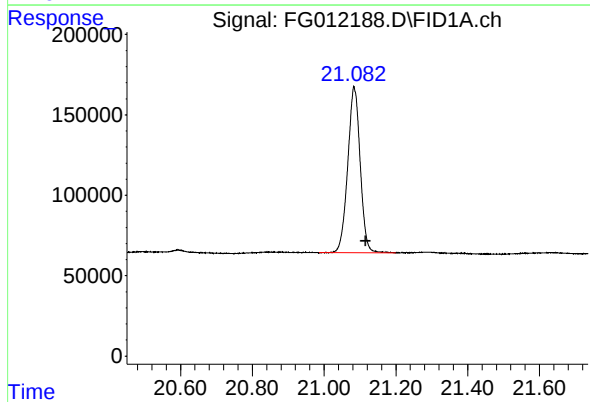
#21 n-Octatriacontane (C38)

R.T.: 20.168 min
Delta R.T.: -0.023 min
Response: 2527317
Conc: 22.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.083 min
Delta R.T.: -0.033 min
Response: 2477444
Conc: 22.99 ug/ml