

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
 Data File : FG015197.D
 Signal(s) : FID1A.ch
 Acq On : 28 Jan 2025 22:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 02:39:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 2025
 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)	11.937	3023418	19.338 ug/ml
Spiked Amount 50.000		Recovery =	38.68%
12) S 1-chlorooctadecane (S...	13.382	2328568	19.124 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
Target Compounds			
1) T n-Nonane (C9)	3.279	2502594	19.275 ug/ml
2) T n-Decane (C10)	4.540	2566103	19.310 ug/ml
3) T A~Naphthalene (C11.7)	6.250	2817055	19.290 ug/ml
4) T n-Dodecane (C12)	6.720	2633027	19.369 ug/ml
5) T A~2-methylnaphthalene...	7.351	2760963	19.341 ug/ml
6) T n-Tetradecane (C14)	8.556	2660490	19.346 ug/ml
7) T n-Hexadecane (C16)	10.171	2801620	19.335 ug/ml
8) T n-Octadecane (C18)	11.622	2858728	19.234 ug/ml
10) T n-Eicosane (C20)	12.936	2756231	19.202 ug/ml
11) T n-Heneicosane (C21)	13.551	2710696	19.171 ug/ml
13) T n-Docosane (C22)	14.139	2691283	19.141 ug/mlm
14) T n-Tetracosane (C24)	15.247	2654596	19.073 ug/ml
15) T n-Hexacosane (C26)	16.273	2589560	19.118 ug/ml
16) T n-Octacosane (C28)	17.224	2555437	19.419 ug/ml
17) T n-Tricontane (C30)	18.115	2655566	20.018 ug/ml
18) T n-Dotriacontane (C32)	18.949	2560773	20.304 ug/ml
19) T n-Tetratriacontane (C34)	19.735	2204775	20.249 ug/ml
20) T n-Hexatriacontane (C36)	20.477	1890027	20.244 ug/ml
21) T n-Octatriacontane (C38)	21.226	1752555	19.971 ug/ml
22) T n-Tetracontane (C40)	22.164	1658010	19.561 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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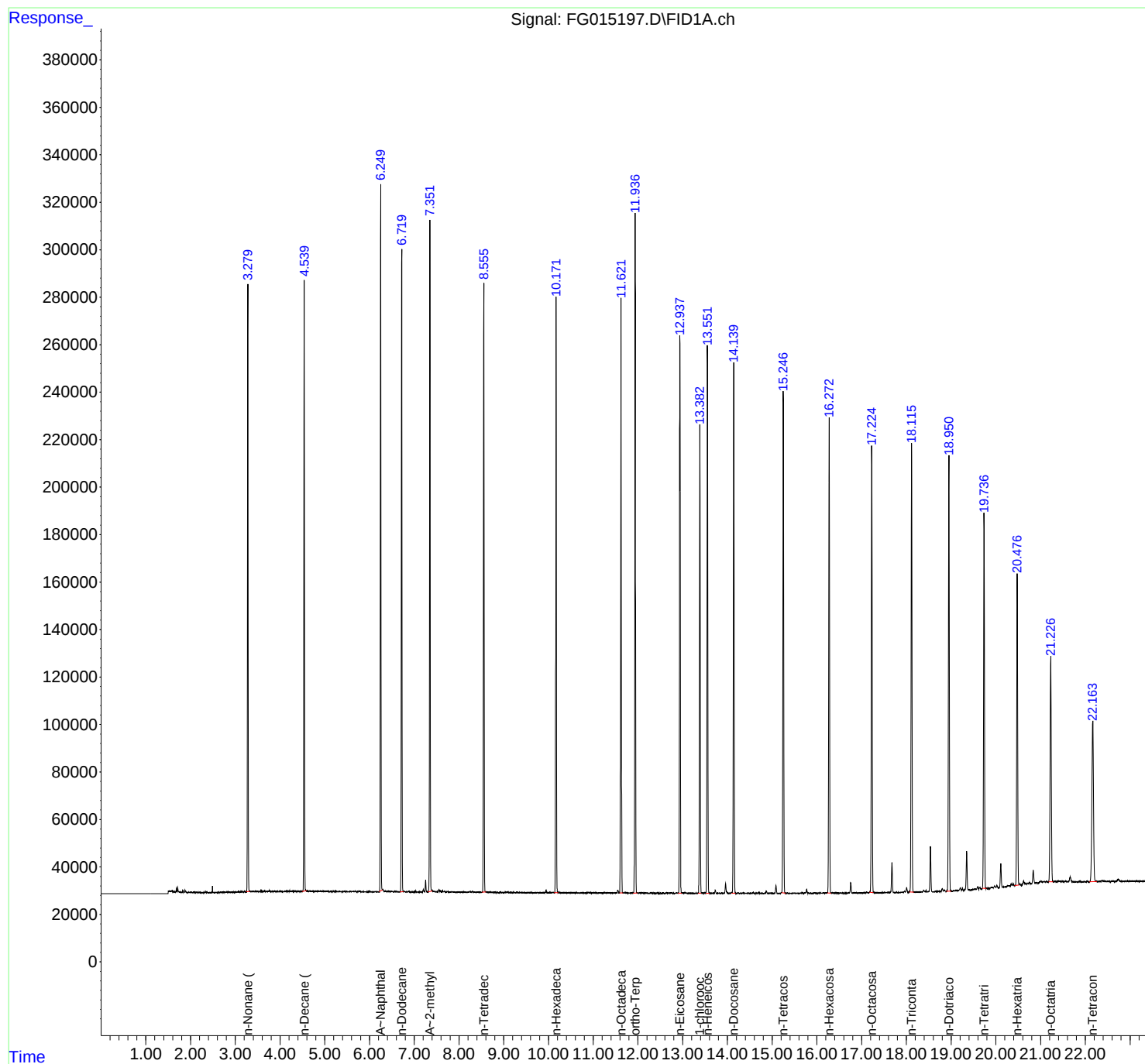
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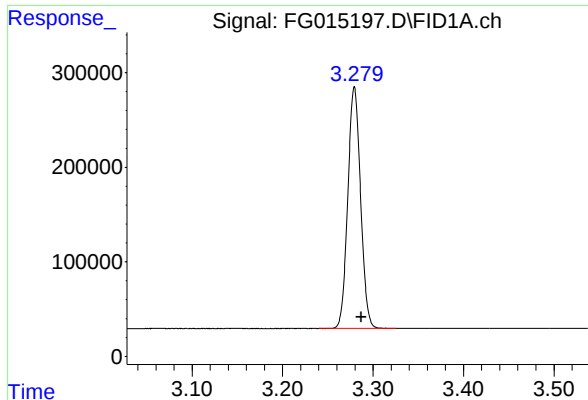
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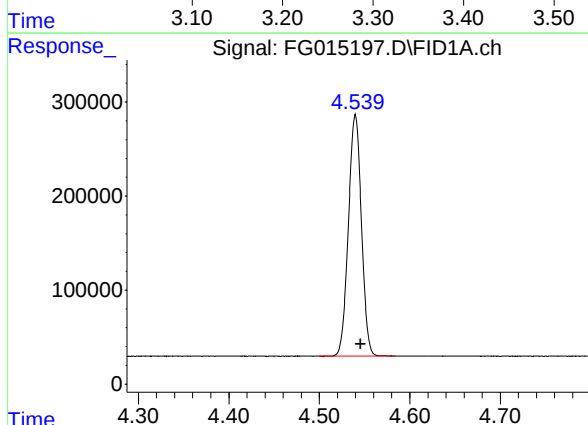
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.008 min
Response: 2502594
Conc: 19.28 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

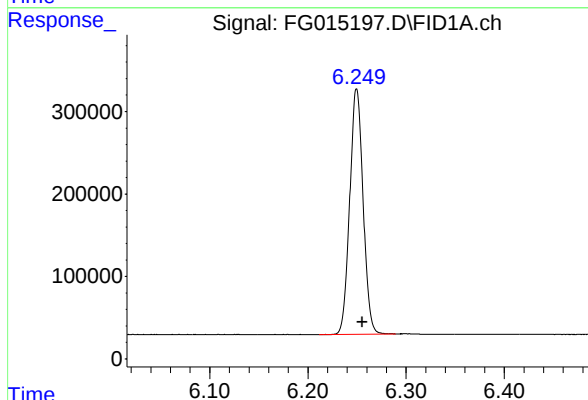
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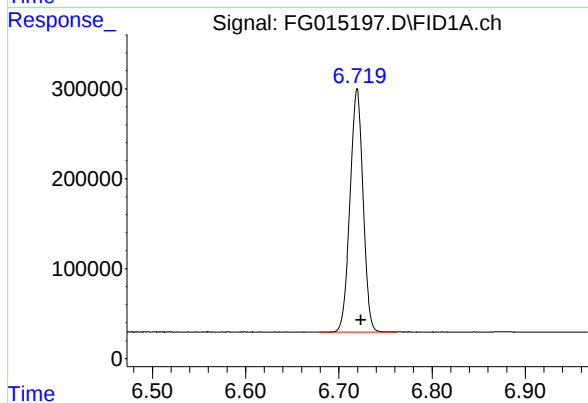
#2 n-Decane (C10)

R.T.: 4.540 min
Delta R.T.: -0.006 min
Response: 2566103
Conc: 19.31 ug/ml



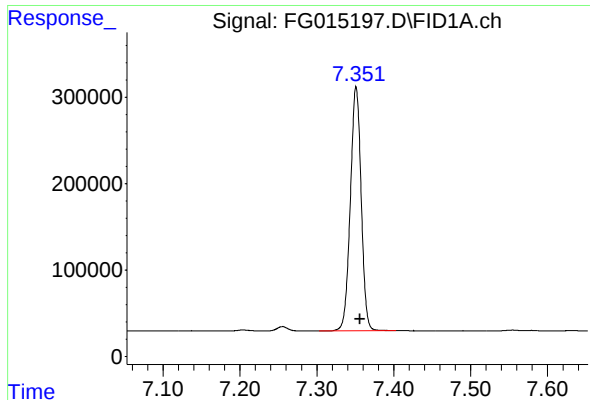
#3 A~Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.006 min
Response: 2817055
Conc: 19.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.720 min
Delta R.T.: -0.004 min
Response: 2633027
Conc: 19.37 ug/ml



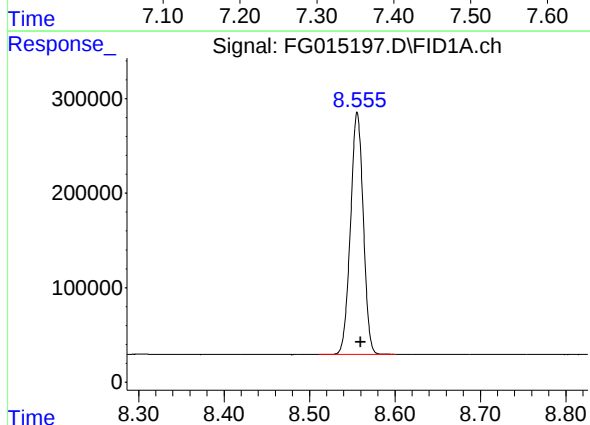
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.005 min
Response: 2760963
Conc: 19.34 ug/ml

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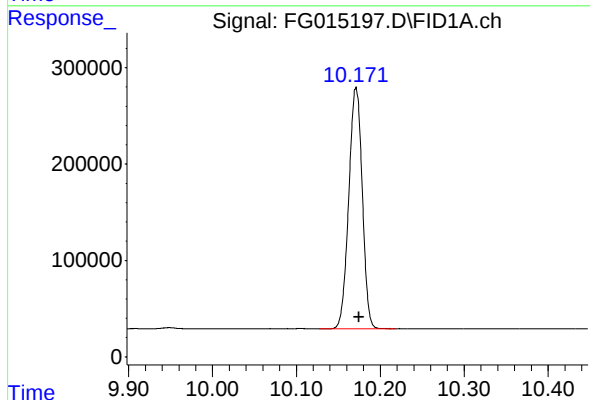
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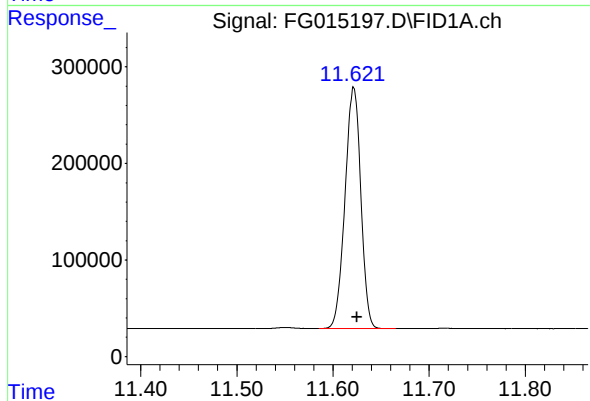
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.004 min
Response: 2660490
Conc: 19.35 ug/ml



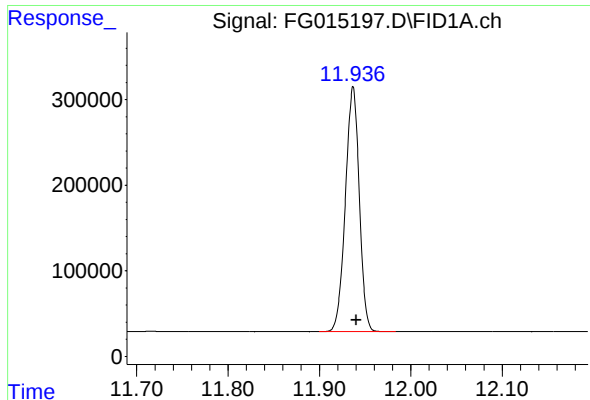
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: -0.004 min
Response: 2801620
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.622 min
Delta R.T.: -0.003 min
Response: 2858728
Conc: 19.23 ug/ml



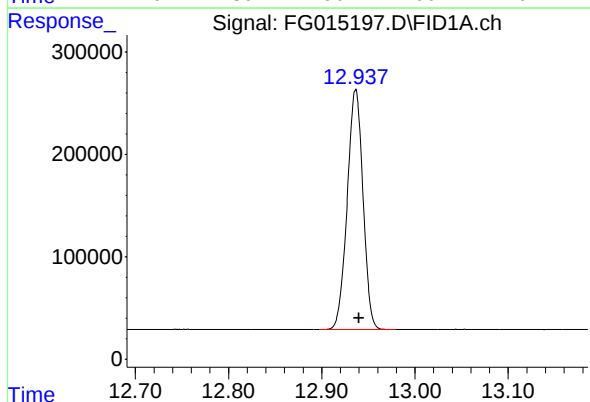
#9 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: -0.003 min
Response: 3023418
Conc: 19.34 ug/ml

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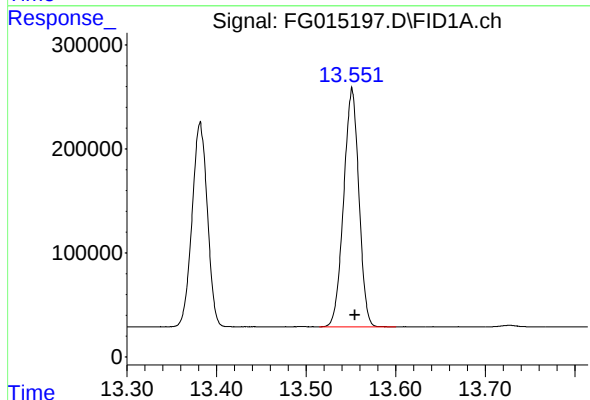
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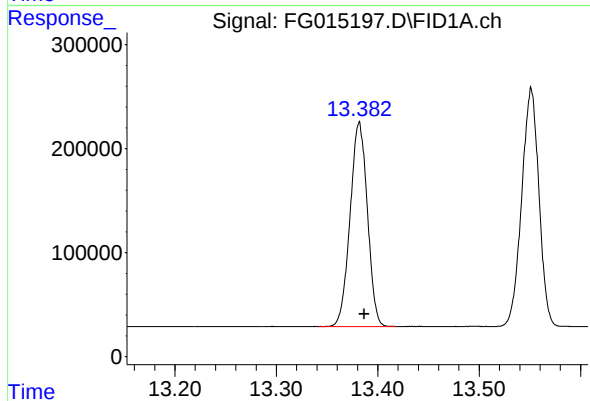
#10 n-Eicosane (C20)

R.T.: 12.936 min
Delta R.T.: -0.004 min
Response: 2756231
Conc: 19.20 ug/ml



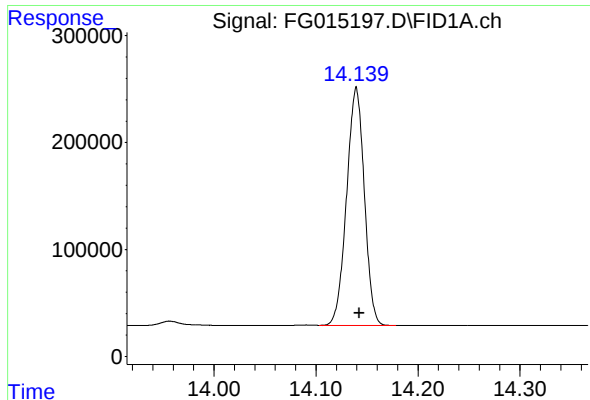
#11 n-Heneicosane (C21)

R.T.: 13.551 min
Delta R.T.: -0.003 min
Response: 2710696
Conc: 19.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.382 min
Delta R.T.: -0.005 min
Response: 2328568
Conc: 19.12 ug/ml



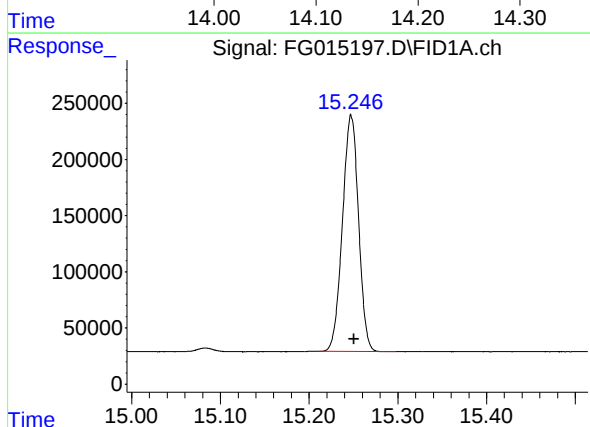
#13 n-Docosane (C22)

R.T.: 14.139 min
Delta R.T.: -0.003 min
Response: 2691283
Conc: 19.14 ug/ml

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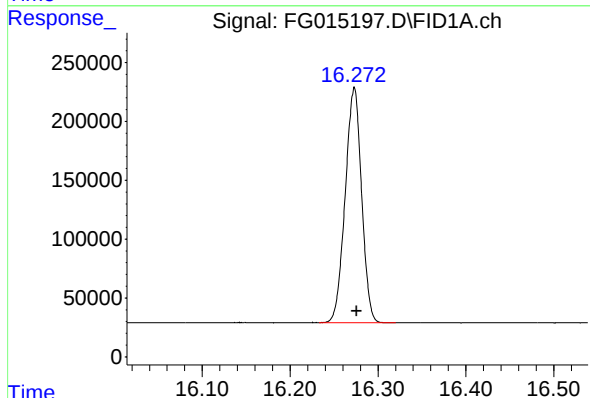
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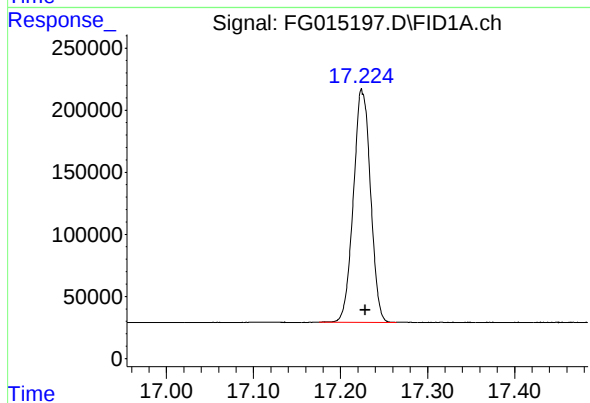
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.003 min
Response: 2654596
Conc: 19.07 ug/ml



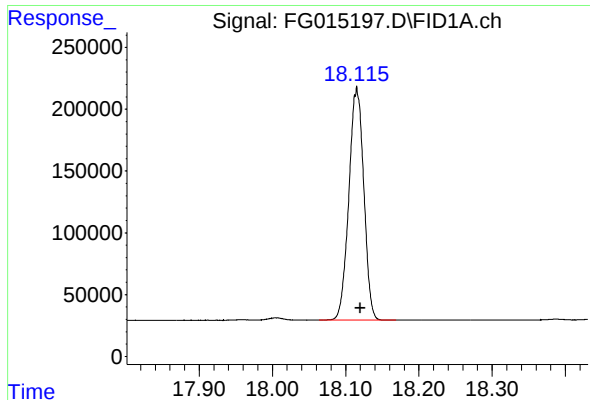
#15 n-Hexacosane (C26)

R.T.: 16.273 min
Delta R.T.: -0.003 min
Response: 2589560
Conc: 19.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.004 min
Response: 2555437
Conc: 19.42 ug/ml



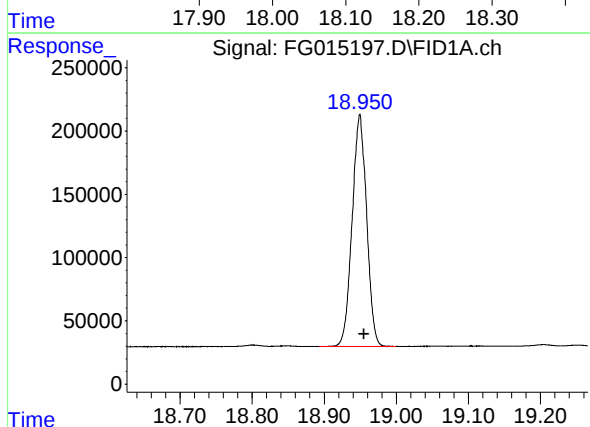
#17 n-Tricontane (C30)

R.T.: 18.115 min
Delta R.T.: -0.005 min
Response: 2655566
Conc: 20.02 ug/ml

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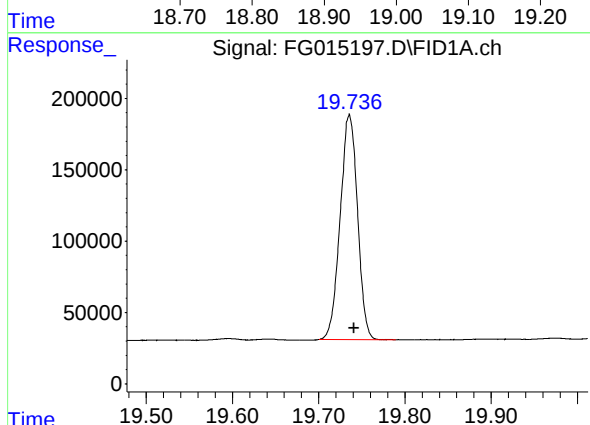
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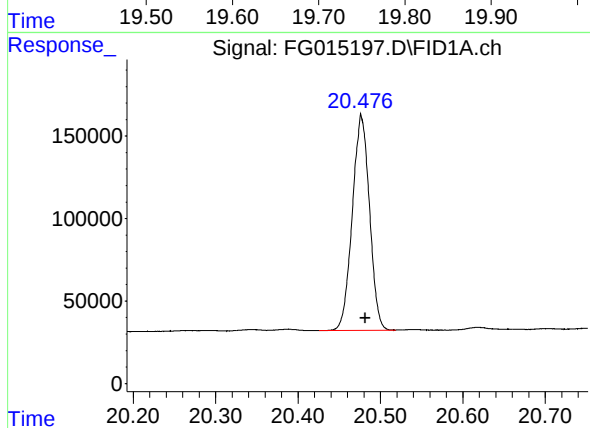
#18 n-Dotriacontane (C32)

R.T.: 18.949 min
Delta R.T.: -0.006 min
Response: 2560773
Conc: 20.30 ug/ml



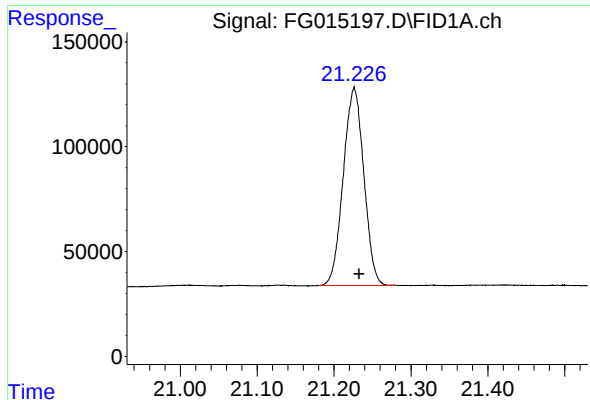
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: -0.005 min
Response: 2204775
Conc: 20.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.477 min
Delta R.T.: -0.005 min
Response: 1890027
Conc: 20.24 ug/ml



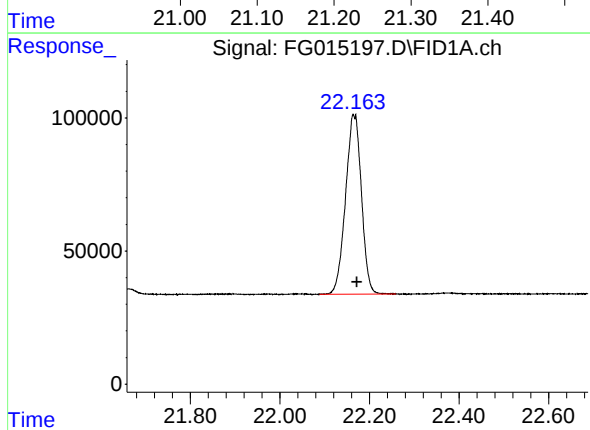
#21 n-Octatriacontane (C38)

R.T.: 21.226 min
Delta R.T.: -0.007 min
Response: 1752555
Conc: 19.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.164 min
Delta R.T.: -0.008 min
Response: 1658010
Conc: 19.56 ug/ml