

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AL\
 Data File : FG015215.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 11:42
 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 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 03:44:51 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)	11.935	2836049	18.140 ug/ml
Spiked Amount 50.000		Recovery =	36.28%
12) S 1-chlorooctadecane (S...	13.382	2175736	17.869 ug/ml
Spiked Amount 50.000		Recovery =	35.74%
Target Compounds			
1) T n-Nonane (C9)	3.279	2347447	18.080 ug/ml
2) T n-Decane (C10)	4.538	2410319	18.138 ug/ml
3) T A~Naphthalene (C11.7)	6.249	2650228	18.148 ug/ml
4) T n-Dodecane (C12)	6.719	2476026	18.214 ug/ml
5) T A~2-methylnaphthalene...	7.350	2599497	18.210 ug/ml
6) T n-Tetradecane (C14)	8.556	2498203	18.166 ug/ml
7) T n-Hexadecane (C16)	10.170	2623566	18.107 ug/ml
8) T n-Octadecane (C18)	11.620	2671304	17.973 ug/ml
10) T n-Eicosane (C20)	12.936	2572483	17.922 ug/ml
11) T n-Heneicosane (C21)	13.550	2529241	17.888 ug/ml
13) T n-Docosane (C22)	14.139	2511845	17.865 ug/mlm
14) T n-Tetracosane (C24)	15.247	2478100	17.804 ug/ml
15) T n-Hexacosane (C26)	16.270	2420019	17.867 ug/ml
16) T n-Octacosane (C28)	17.223	2394671	18.197 ug/ml
17) T n-Tricontane (C30)	18.114	2509045	18.914 ug/ml
18) T n-Dotriacontane (C32)	18.948	2433747	19.297 ug/ml
19) T n-Tetratriacontane (C34)	19.734	2104164	19.325 ug/ml
20) T n-Hexatriacontane (C36)	20.476	1798831	19.267 ug/ml
21) T n-Octatriacontane (C38)	21.226	1676006	19.099 ug/ml
22) T n-Tetracontane (C40)	22.164	1575991	18.593 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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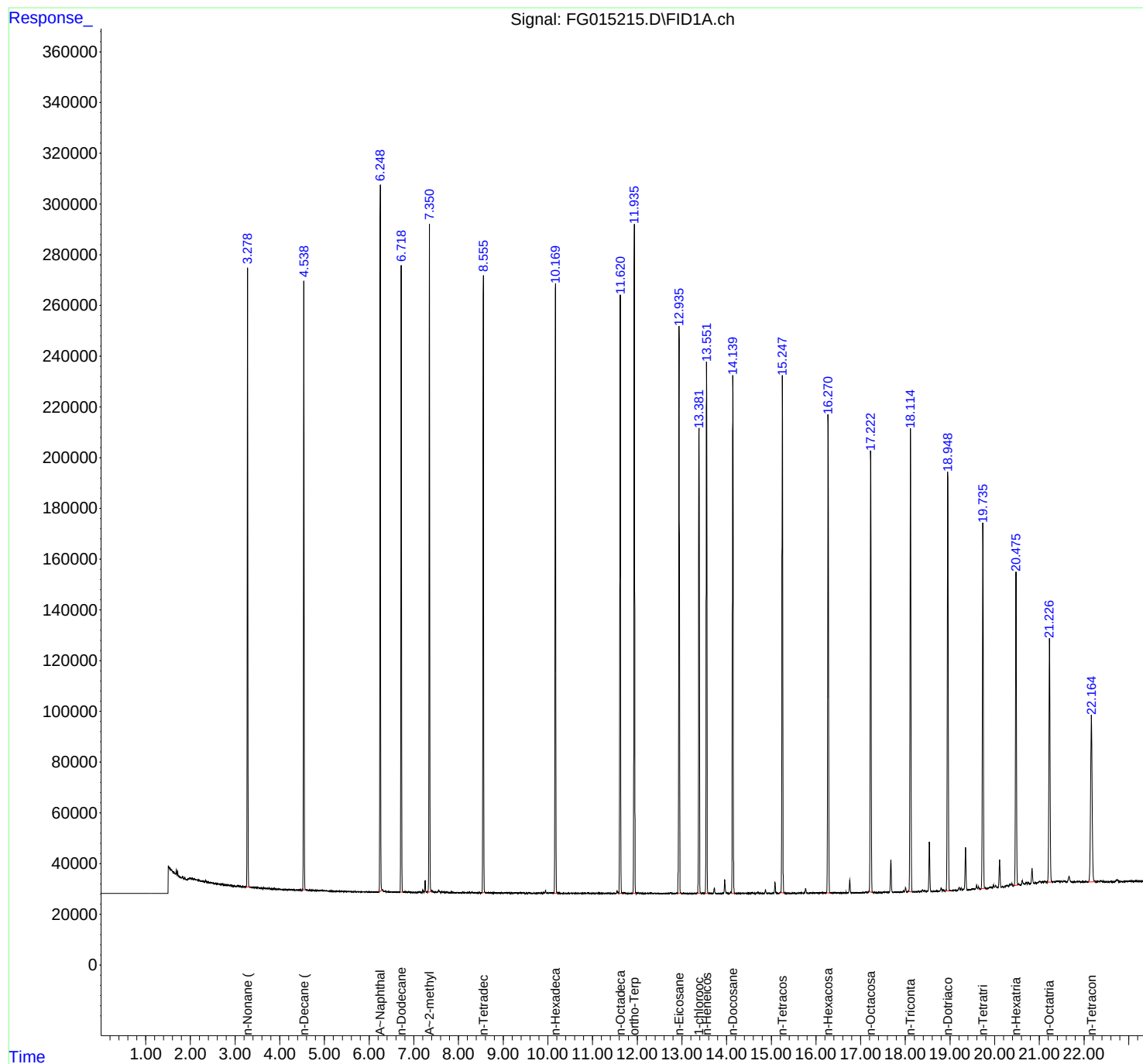
Instrument :
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20 PPM ALIPHATIC HC STD

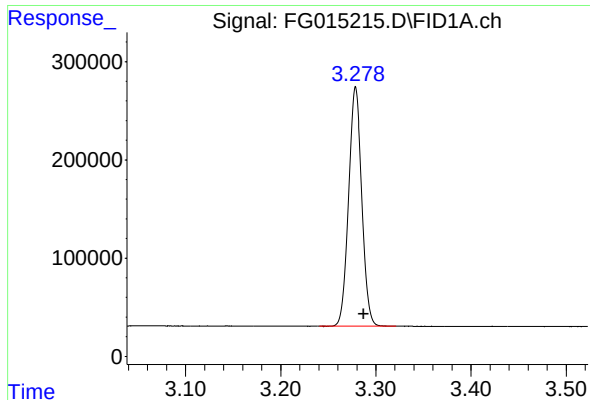
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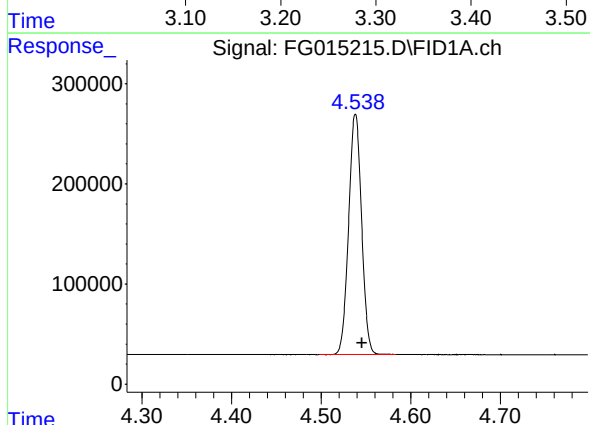
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.008 min
Response: 2347447
Conc: 18.08 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

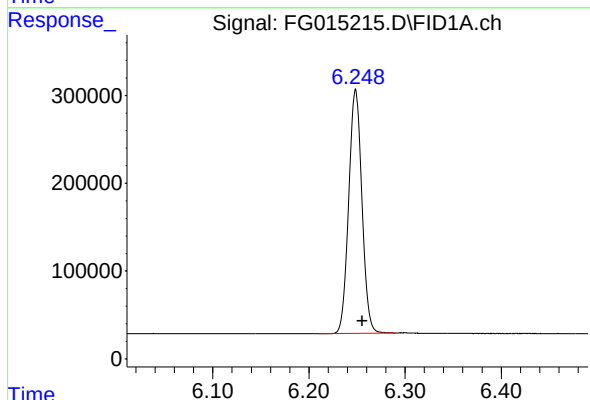
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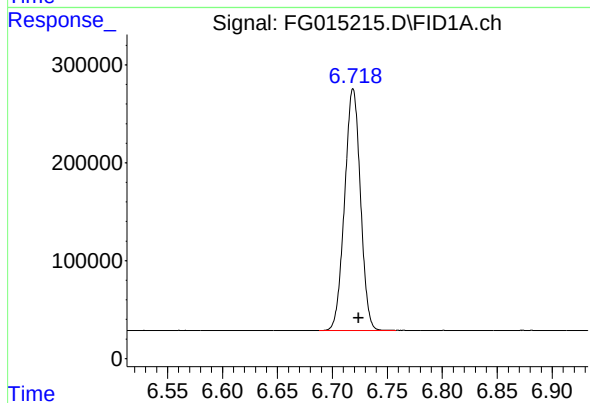
#2 n-Decane (C10)

R.T.: 4.538 min
Delta R.T.: -0.007 min
Response: 2410319
Conc: 18.14 ug/ml



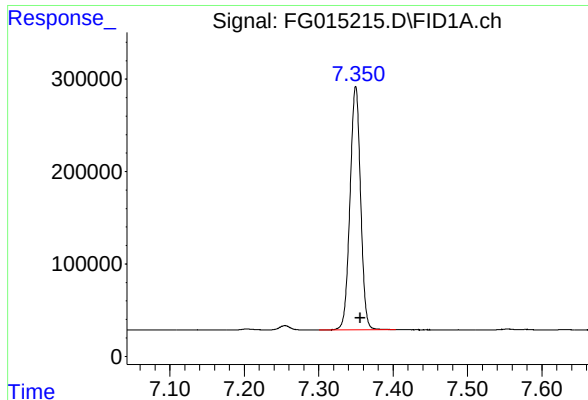
#3 A~Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.007 min
Response: 2650228
Conc: 18.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.719 min
Delta R.T.: -0.005 min
Response: 2476026
Conc: 18.21 ug/ml



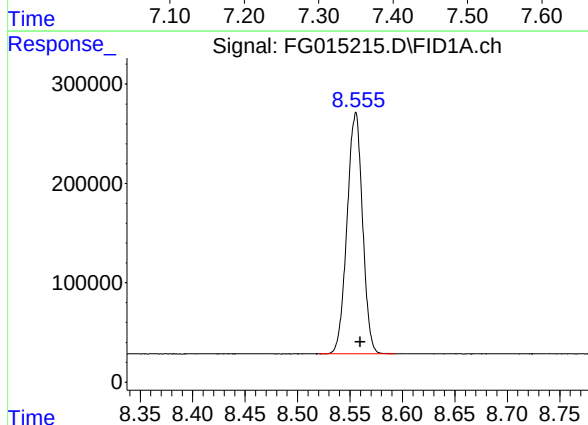
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.006 min
Response: 2599497
Conc: 18.21 ug/ml

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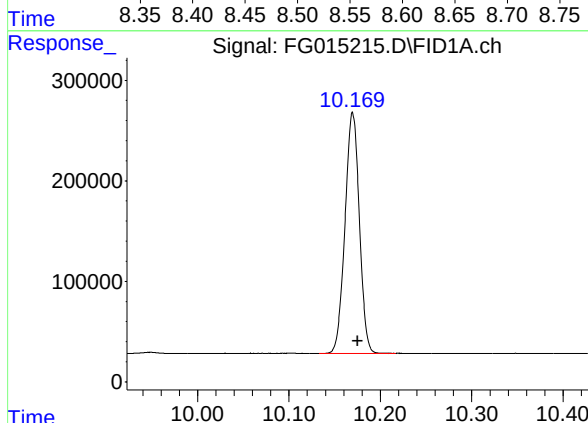
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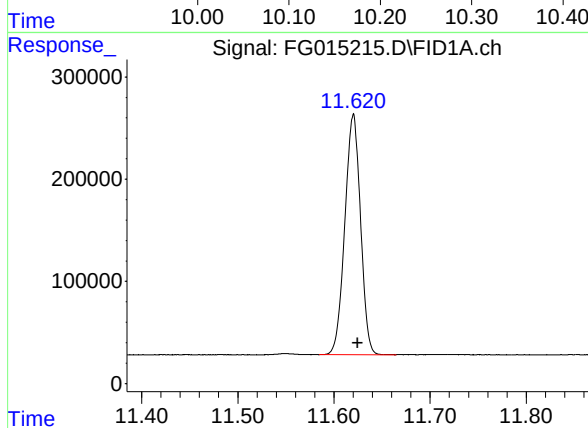
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.004 min
Response: 2498203
Conc: 18.17 ug/ml



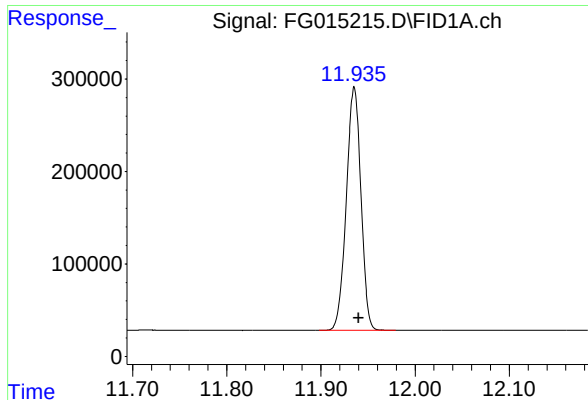
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 2623566
Conc: 18.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.005 min
Response: 2671304
Conc: 17.97 ug/ml



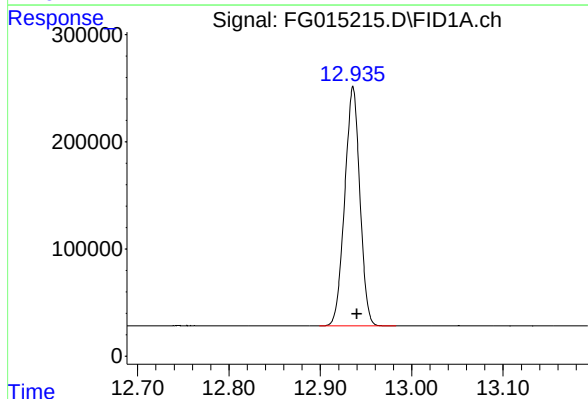
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: -0.005 min
Response: 2836049
Conc: 18.14 ug/ml

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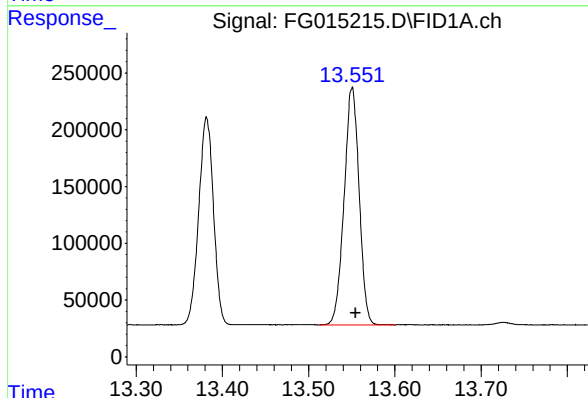
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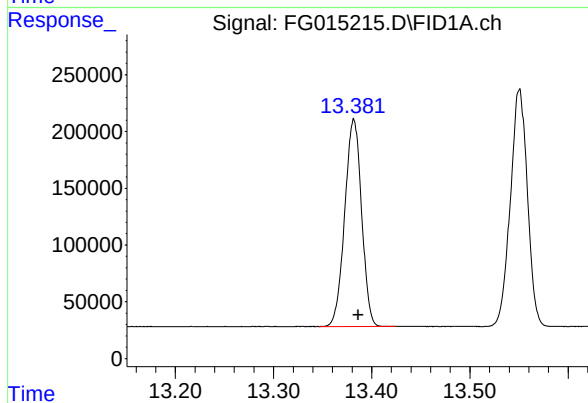
#10 n-Eicosane (C20)

R.T.: 12.936 min
Delta R.T.: -0.004 min
Response: 2572483
Conc: 17.92 ug/ml



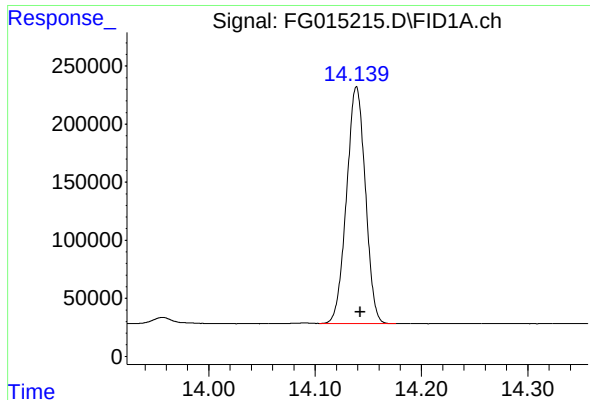
#11 n-Heneicosane (C21)

R.T.: 13.550 min
Delta R.T.: -0.004 min
Response: 2529241
Conc: 17.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.382 min
Delta R.T.: -0.005 min
Response: 2175736
Conc: 17.87 ug/ml



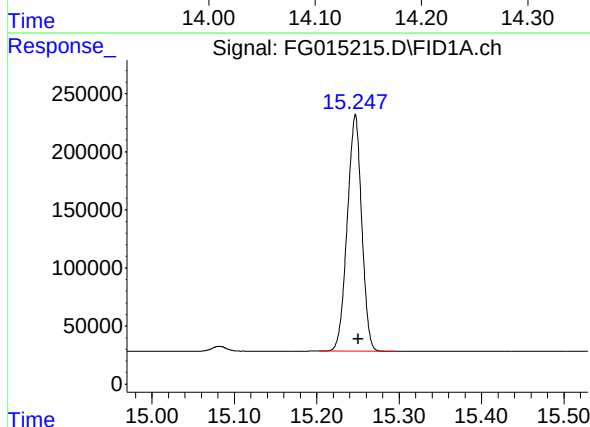
#13 n-Docosane (C22)

R.T.: 14.139 min
Delta R.T.: -0.004 min
Response: 2511845
Conc: 17.87 ug/ml

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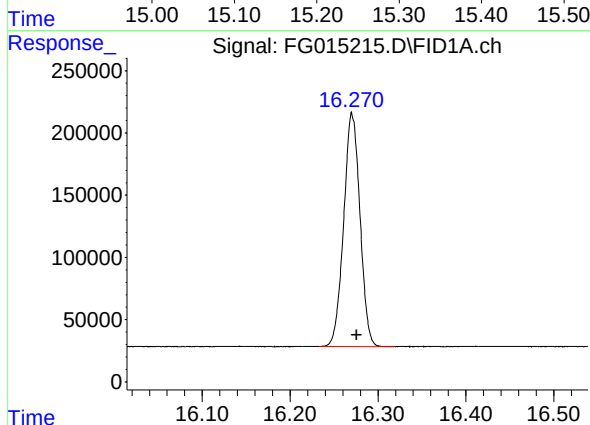
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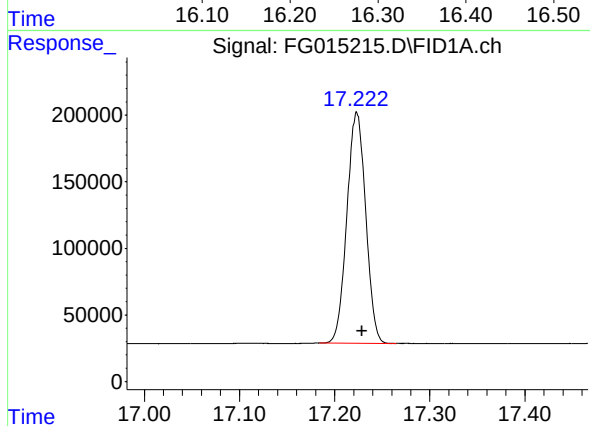
#14 n-Tetracosane (C24)

R.T.: 15.247 min
Delta R.T.: -0.004 min
Response: 2478100
Conc: 17.80 ug/ml



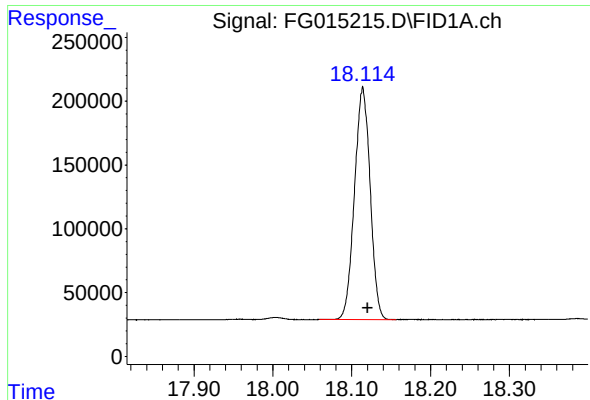
#15 n-Hexacosane (C26)

R.T.: 16.270 min
Delta R.T.: -0.005 min
Response: 2420019
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.223 min
Delta R.T.: -0.005 min
Response: 2394671
Conc: 18.20 ug/ml



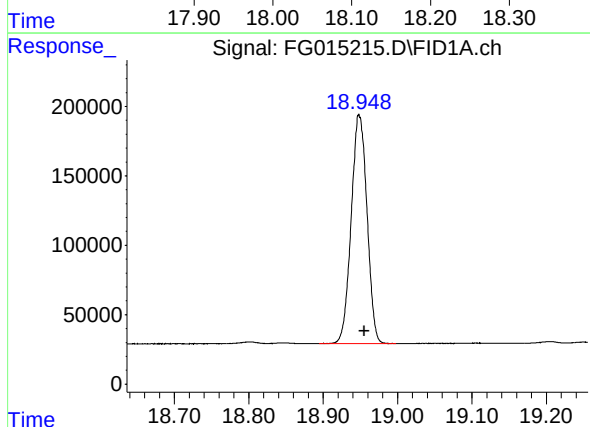
#17 n-Tricontane (C30)

R.T.: 18.114 min
Delta R.T.: -0.006 min
Response: 2509045
Conc: 18.91 ug/ml

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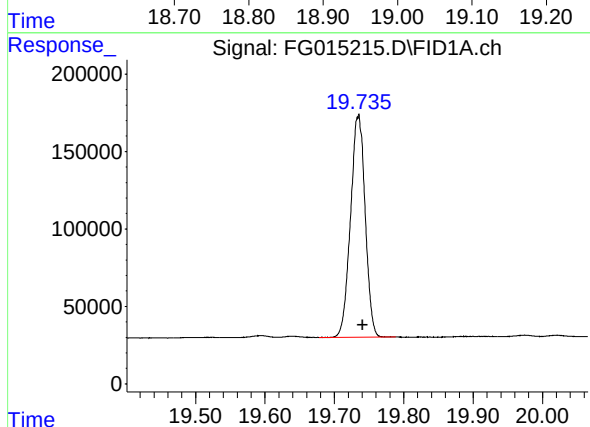
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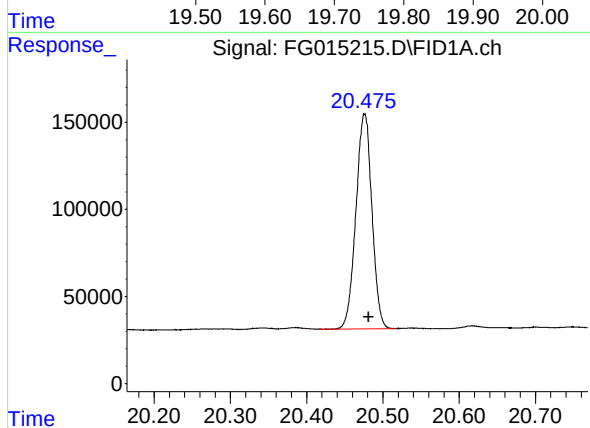
#18 n-Dotriacontane (C32)

R.T.: 18.948 min
Delta R.T.: -0.007 min
Response: 2433747
Conc: 19.30 ug/ml



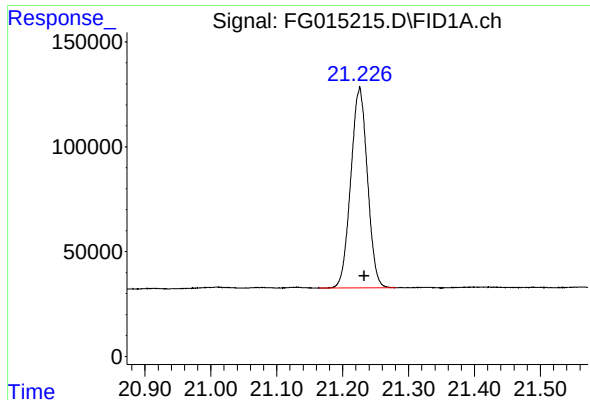
#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: -0.006 min
Response: 2104164
Conc: 19.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: -0.005 min
Response: 1798831
Conc: 19.27 ug/ml



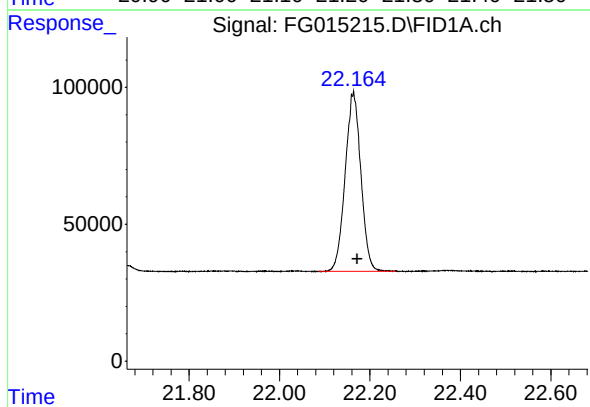
#21 n-Octatriacontane (C38)

R.T.: 21.226 min
Delta R.T.: -0.007 min
Response: 1676006
Conc: 19.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.164 min
Delta R.T.: -0.008 min
Response: 1575991
Conc: 18.59 ug/ml