

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG013025AL\
 Data File : FG015235.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jan 2025 02:54
 Operator : YP\AJ
 Sample : Q1168-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MDL-WATER-03-QT1-2025

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 04:32:49 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			
12) S 1-chlorooctadecane (S...	13.382	4337133	35.620 ug/ml
Spiked Amount 50.000		Recovery =	71.24%
Target Compounds			
1) T n-Nonane (C9)	3.280	185114	1.426 ug/ml
2) T n-Decane (C10)	4.539	220737	1.661 ug/ml
4) T n-Dodecane (C12)	6.717	289244	2.128 ug/ml
6) T n-Tetradecane (C14)	8.554	277250	2.016 ug/ml
7) T n-Hexadecane (C16)	10.169	263903	1.821 ug/ml
8) T n-Octadecane (C18)	11.618	286495	1.928 ug/ml
10) T n-Eicosane (C20)	12.932	286759	1.998 ug/ml
11) T n-Heneicosane (C21)	13.548	273590	1.935 ug/ml
13) T n-Docosane (C22)	14.136	282630	2.010 ug/ml
14) T n-Tetracosane (C24)	15.242	295538	2.123 ug/mlm
15) T n-Hexacosane (C26)	16.267	298252	2.202 ug/ml
16) T n-Octacosane (C28)	17.221	311019	2.363 ug/ml
17) T n-Tricontane (C30)	18.110	342309	2.580 ug/ml
18) T n-Dotriacontane (C32)	18.946	349213	2.769 ug/ml
19) T n-Tetratriacontane (C34)	19.731	308244	2.831 ug/ml
20) T n-Hexatriacontane (C36)	20.472	272175	2.915 ug/ml
21) T n-Octatriacontane (C38)	21.223	245895	2.802 ug/ml
22) T n-Tetracontane (C40)	22.157	202544	2.390 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : Q1168-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

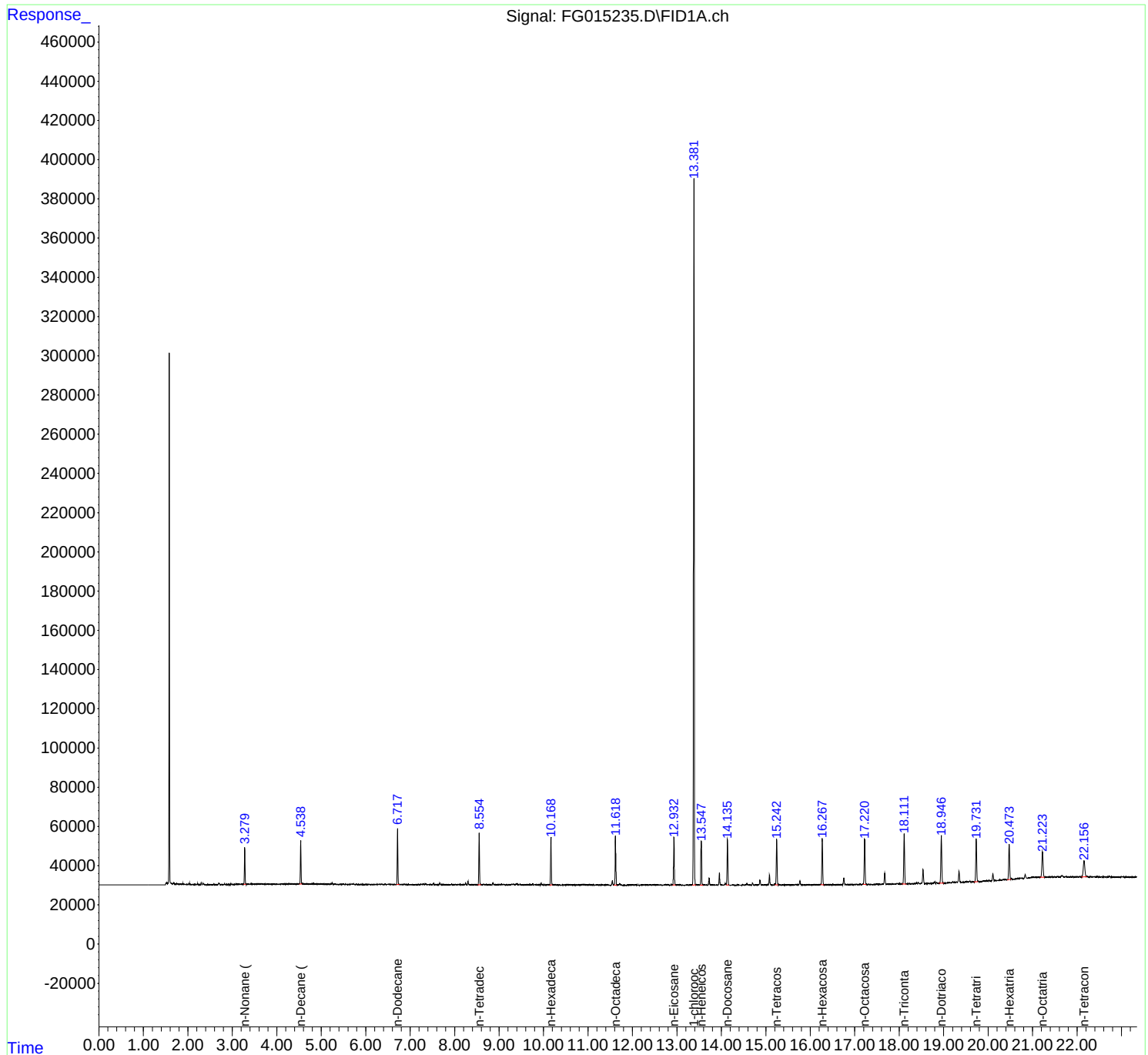
Instrument :
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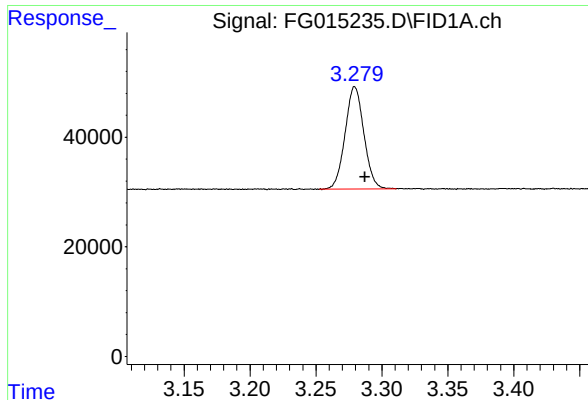
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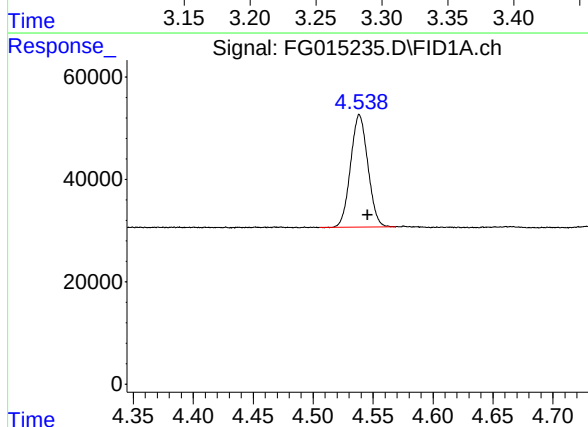
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.007 min
Response: 185114
Conc: 1.43 ug/ml

Instrument : FID_G
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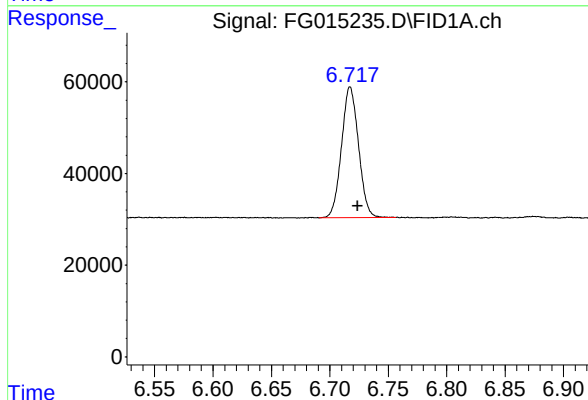
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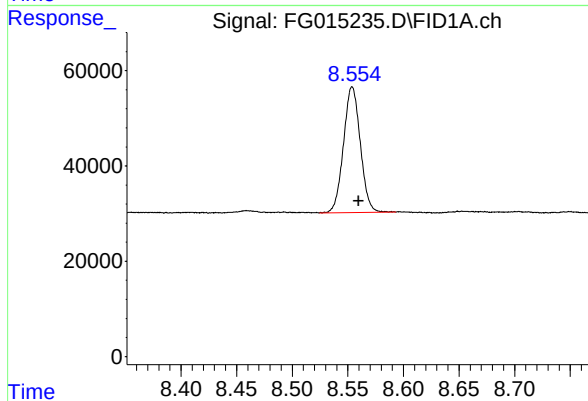
#2 n-Decane (C10)

R.T.: 4.539 min
Delta R.T.: -0.007 min
Response: 220737
Conc: 1.66 ug/ml



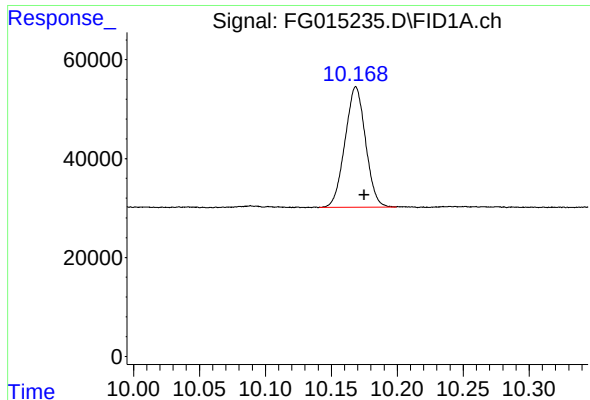
#4 n-Dodecane (C12)

R.T.: 6.717 min
Delta R.T.: -0.006 min
Response: 289244
Conc: 2.13 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.006 min
Response: 277250
Conc: 2.02 ug/ml



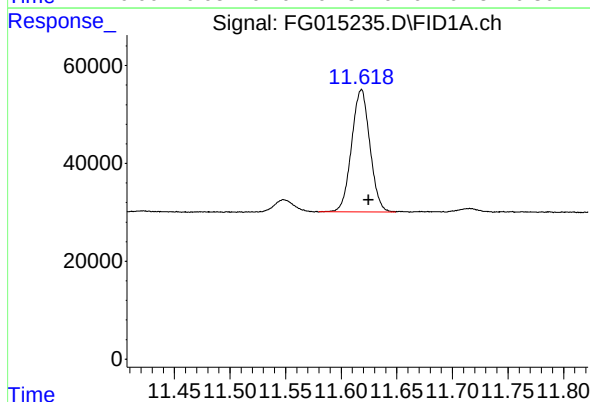
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: -0.006 min
Response: 263903
Conc: 1.82 ug/ml

Instrument :
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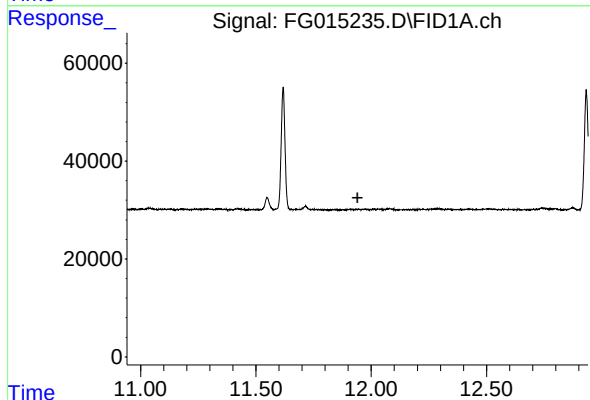
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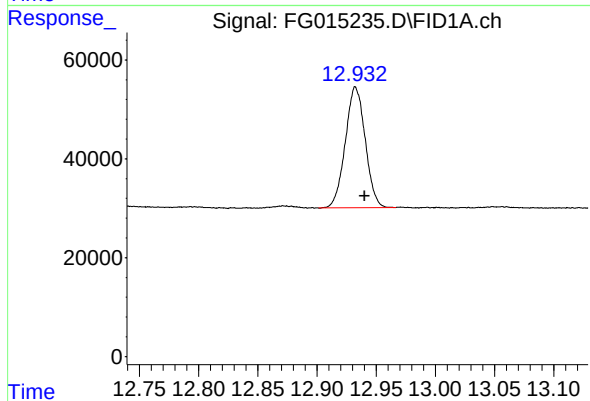
#8 n-Octadecane (C18)

R.T.: 11.618 min
Delta R.T.: -0.007 min
Response: 286495
Conc: 1.93 ug/ml



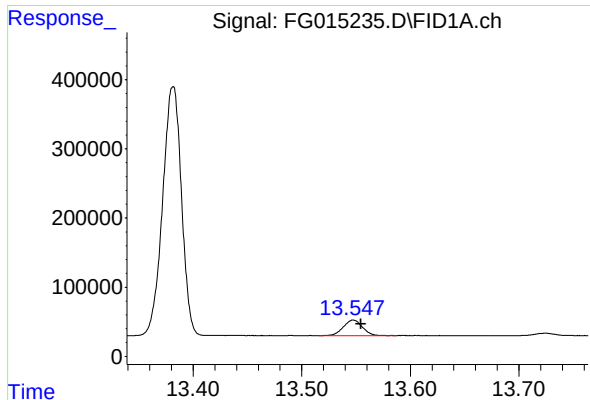
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.940 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.932 min
Delta R.T.: -0.008 min
Response: 286759
Conc: 2.00 ug/ml



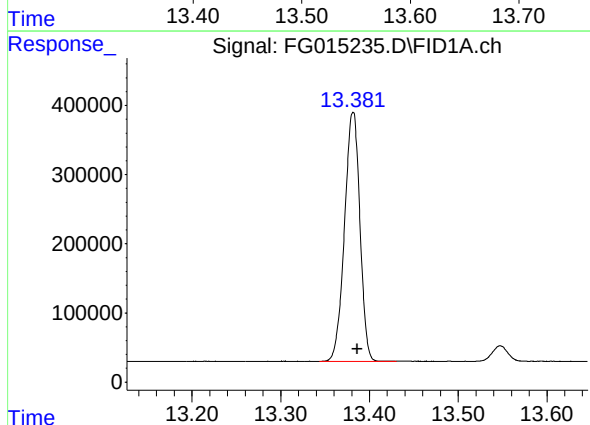
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: -0.007 min
Response: 273590
Conc: 1.93 ug/ml

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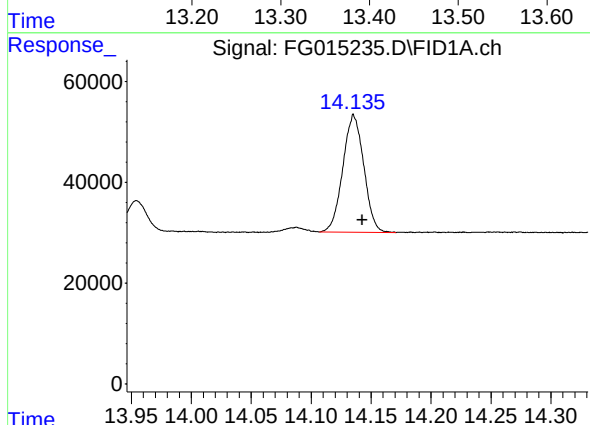
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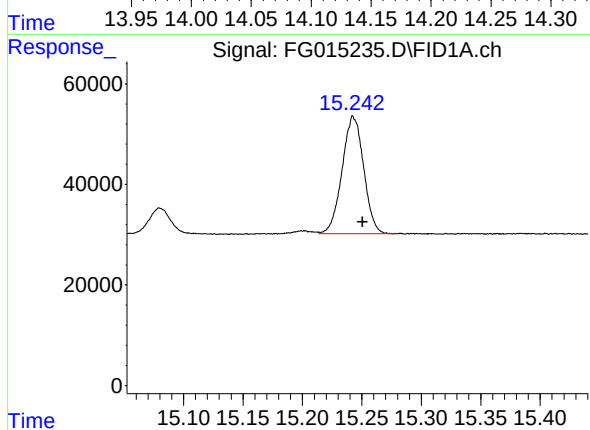
#12 1-chlorooctadecane (SURR)

R.T.: 13.382 min
Delta R.T.: -0.005 min
Response: 4337133
Conc: 35.62 ug/ml



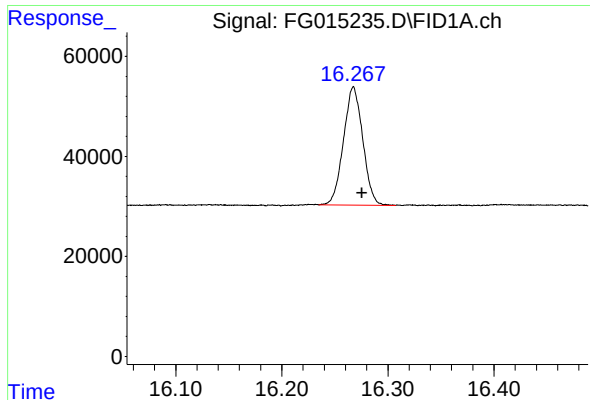
#13 n-Docosane (C22)

R.T.: 14.136 min
Delta R.T.: -0.007 min
Response: 282630
Conc: 2.01 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: -0.009 min
Response: 295538
Conc: 2.12 ug/ml m



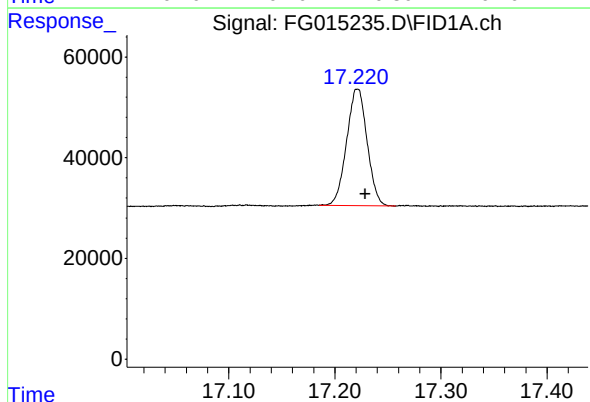
#15 n-Hexacosane (C26)

R.T.: 16.267 min
Delta R.T.: -0.008 min
Response: 298252
Conc: 2.20 ug/ml

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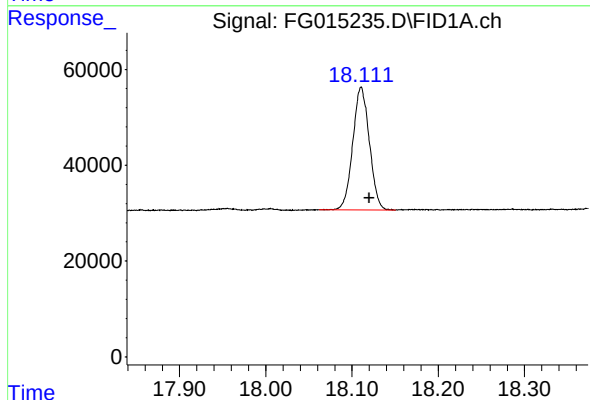
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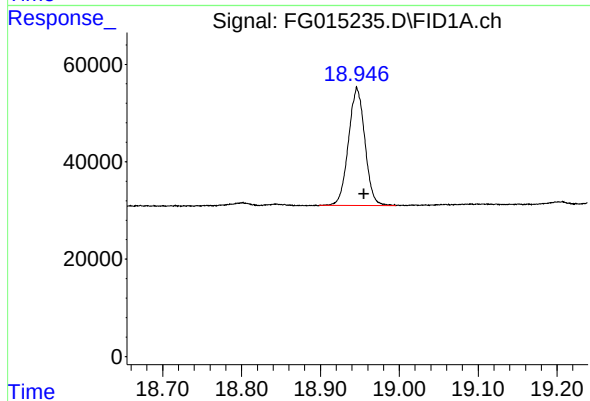
#16 n-Octacosane (C28)

R.T.: 17.221 min
Delta R.T.: -0.007 min
Response: 311019
Conc: 2.36 ug/ml



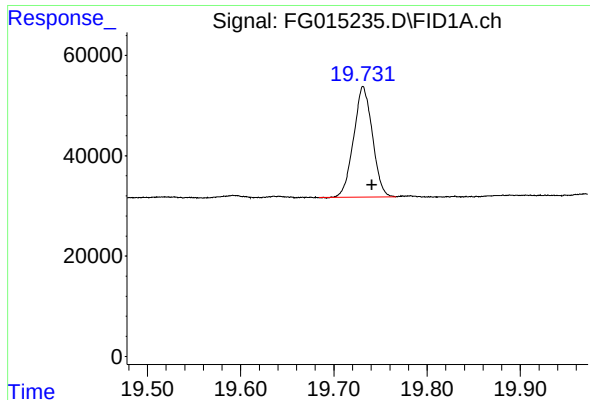
#17 n-Tricontane (C30)

R.T.: 18.110 min
Delta R.T.: -0.010 min
Response: 342309
Conc: 2.58 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.946 min
Delta R.T.: -0.009 min
Response: 349213
Conc: 2.77 ug/ml



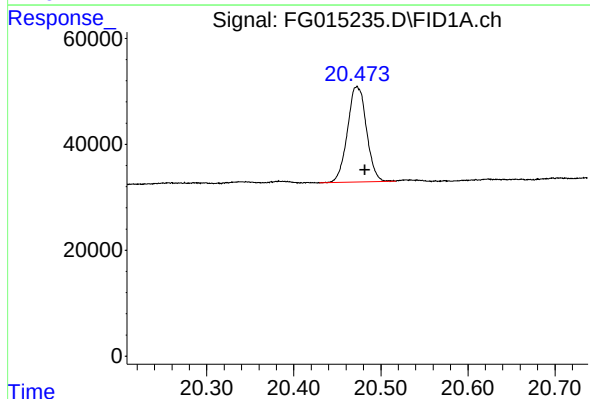
#19 n-Tetratriacontane (C34)

R.T.: 19.731 min
Delta R.T.: -0.009 min
Response: 308244
Conc: 2.83 ug/ml

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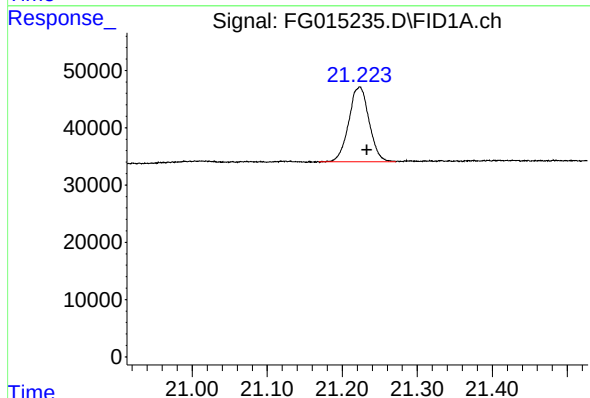
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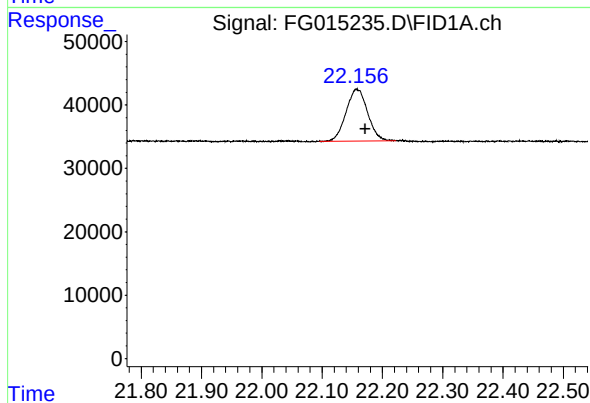
#20 n-Hexatriacontane (C36)

R.T.: 20.472 min
Delta R.T.: -0.009 min
Response: 272175
Conc: 2.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.223 min
Delta R.T.: -0.010 min
Response: 245895
Conc: 2.80 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.157 min
Delta R.T.: -0.015 min
Response: 202544
Conc: 2.39 ug/ml