

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
 Data File : FG015187.D
 Signal(s) : FID1A.ch
 Acq On : 28 Jan 2025 17:46
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

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 02:35:46 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...	13.384	4279646	35.148 ug/ml
Spiked Amount 50.000		Recovery =	70.30%
Target Compounds			
1) T n-Nonane (C9)	3.281	296120	2.281 ug/ml
2) T n-Decane (C10)	4.540	349436	2.630 ug/ml
4) T n-Dodecane (C12)	6.719	411670	3.028 ug/ml
6) T n-Tetradecane (C14)	8.555	418835	3.046 ug/ml
7) T n-Hexadecane (C16)	10.170	432353	2.984 ug/ml
8) T n-Octadecane (C18)	11.620	466471	3.139 ug/ml
10) T n-Eicosane (C20)	12.935	467273	3.255 ug/ml
11) T n-Heneicosane (C21)	13.550	450336	3.185 ug/ml
13) T n-Docosane (C22)	14.138	447944	3.186 ug/mlm
14) T n-Tetracosane (C24)	15.246	440972	3.168 ug/ml
15) T n-Hexacosane (C26)	16.271	425365	3.140 ug/ml
16) T n-Octacosane (C28)	17.222	417630	3.174 ug/ml
17) T n-Tricontane (C30)	18.114	423287	3.191 ug/ml
18) T n-Dotriacontane (C32)	18.948	420777	3.336 ug/ml
19) T n-Tetratriacontane (C34)	19.734	405039	3.720 ug/ml
20) T n-Hexatriacontane (C36)	20.476	385663	4.131 ug/ml
21) T n-Octatriacontane (C38)	21.226	376748	4.293 ug/ml
22) T n-Tetracontane (C40)	22.164	352286	4.156 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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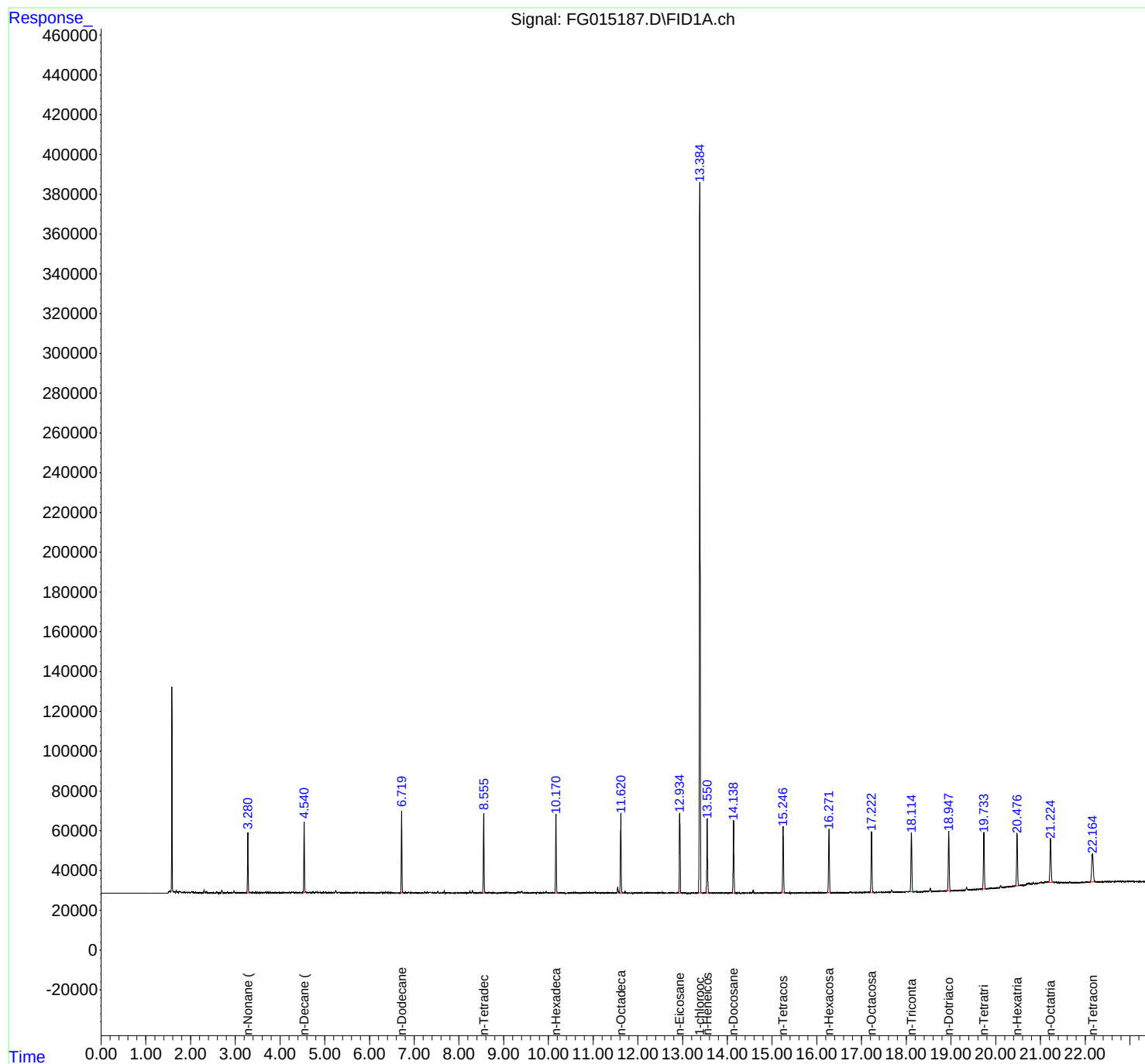
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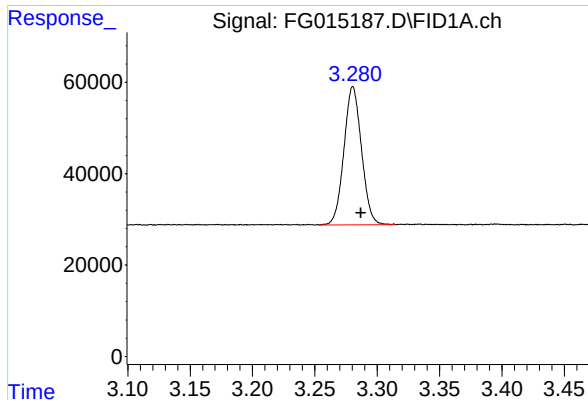
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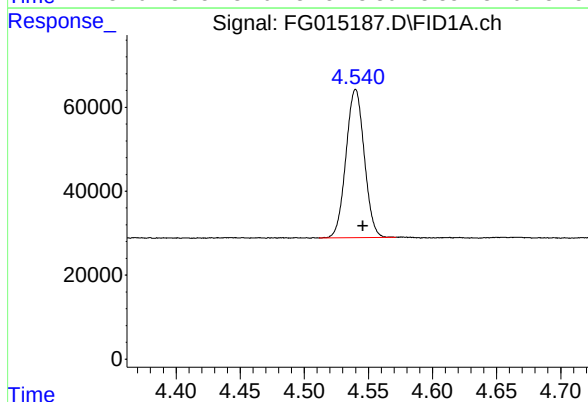
#1 n-Nonane (C9)

R.T.: 3.281 min
Delta R.T.: -0.006 min
Response: 296120
Conc: 2.28 ug/ml

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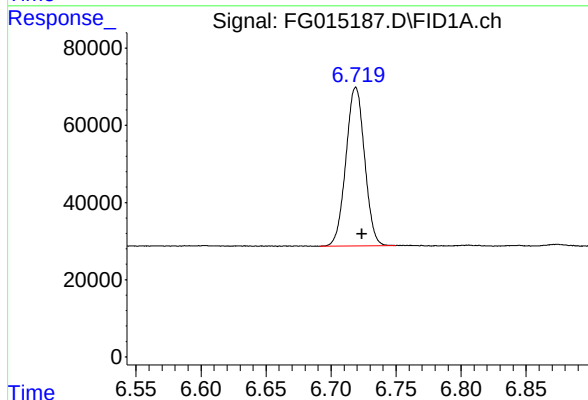
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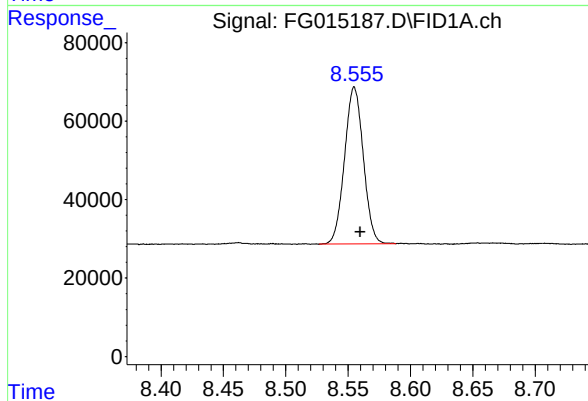
#2 n-Decane (C10)

R.T.: 4.540 min
Delta R.T.: -0.006 min
Response: 349436
Conc: 2.63 ug/ml



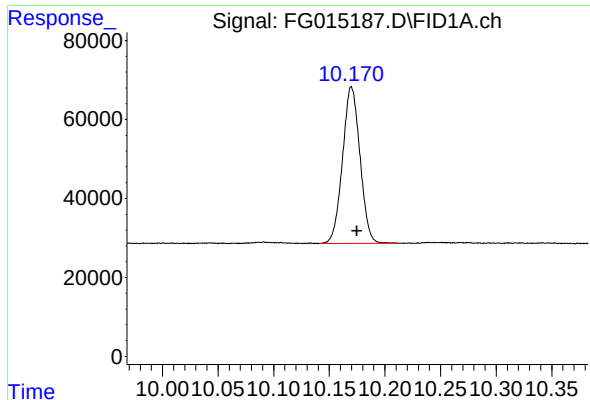
#4 n-Dodecane (C12)

R.T.: 6.719 min
Delta R.T.: -0.005 min
Response: 411670
Conc: 3.03 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.555 min
Delta R.T.: -0.005 min
Response: 418835
Conc: 3.05 ug/ml



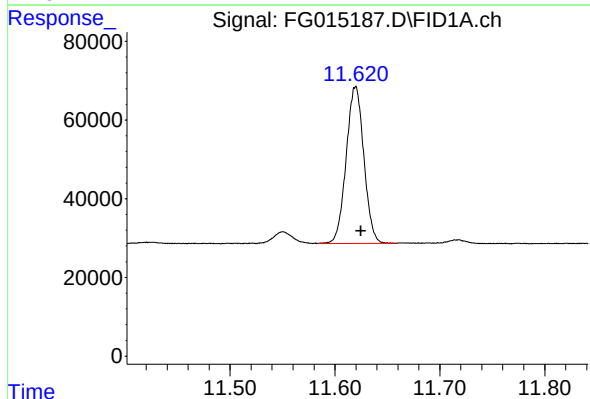
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 432353
Conc: 2.98 ug/ml

Instrument : FID_G
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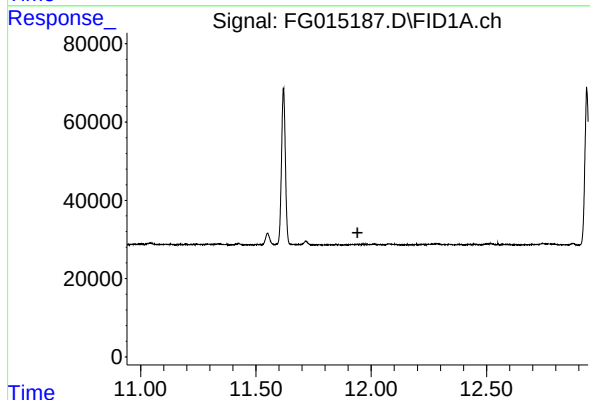
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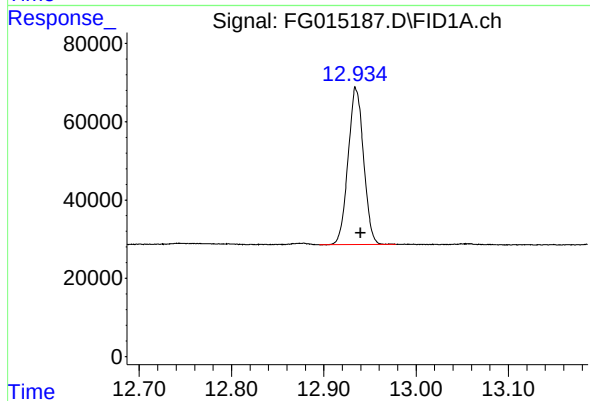
#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.005 min
Response: 466471
Conc: 3.14 ug/ml



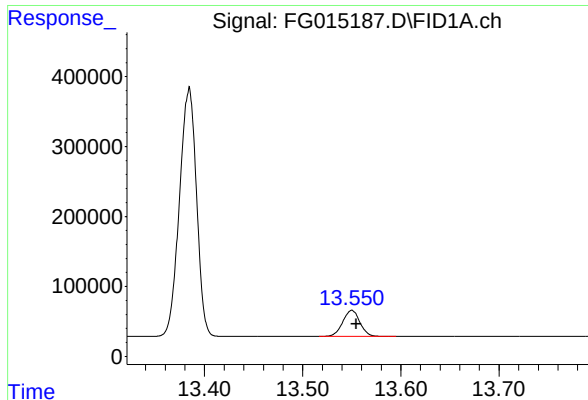
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: -0.005 min
Response: 467273
Conc: 3.26 ug/ml



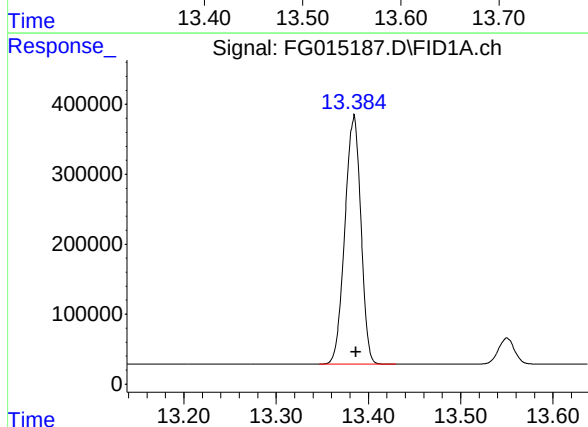
#11 n-Heneicosane (C21)

R.T.: 13.550 min
Delta R.T.: -0.004 min
Response: 450336
Conc: 3.18 ug/ml

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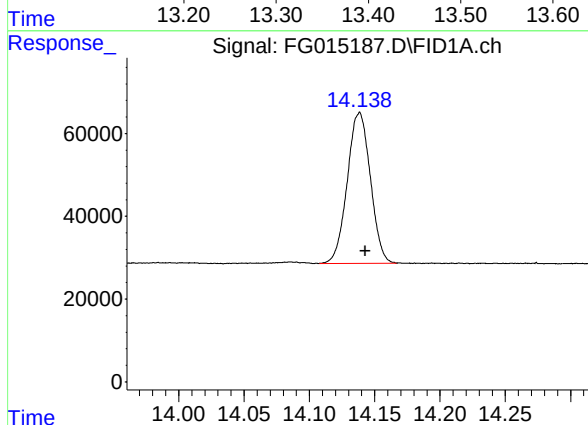
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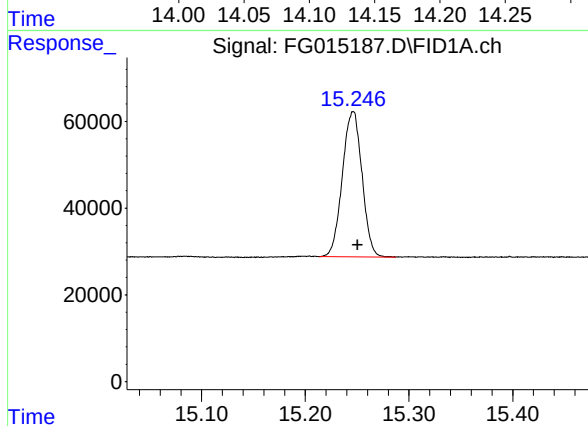
#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min
Delta R.T.: -0.002 min
Response: 4279646
Conc: 35.15 ug/ml



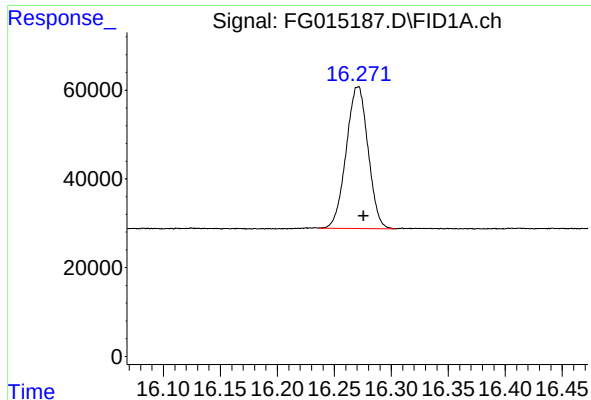
#13 n-Docosane (C22)

R.T.: 14.138 min
Delta R.T.: -0.004 min
Response: 447944
Conc: 3.19 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 15.246 min
Delta R.T.: -0.004 min
Response: 440972
Conc: 3.17 ug/ml



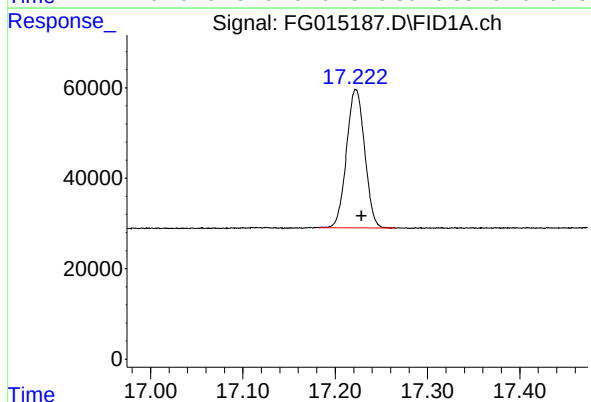
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.005 min
Response: 425365
Conc: 3.14 ug/ml

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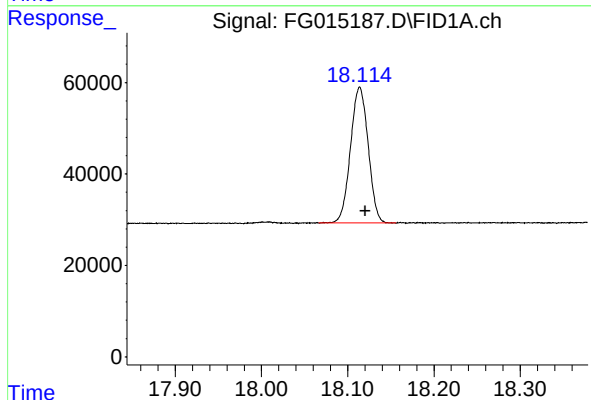
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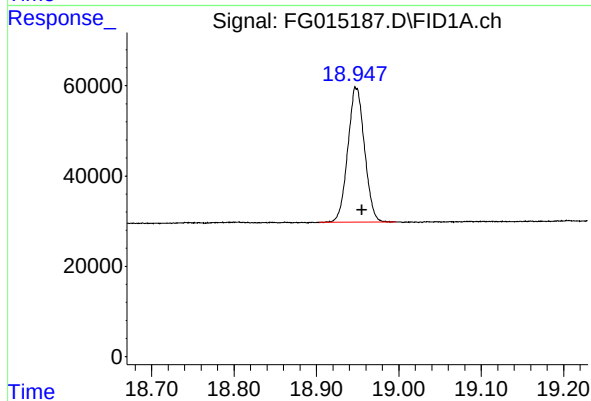
#16 n-Octacosane (C28)

R.T.: 17.222 min
Delta R.T.: -0.006 min
Response: 417630
Conc: 3.17 ug/ml



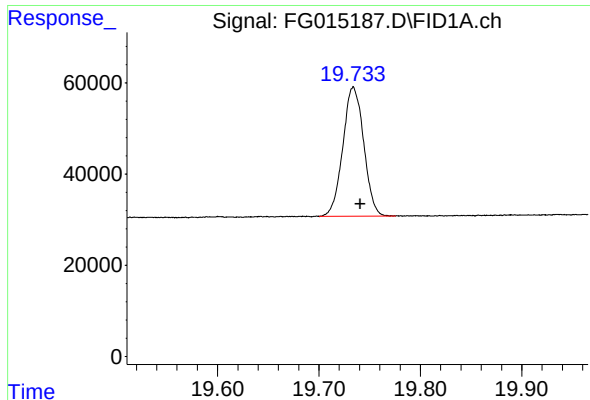
#17 n-Tricontane (C30)

R.T.: 18.114 min
Delta R.T.: -0.006 min
Response: 423287
Conc: 3.19 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.948 min
Delta R.T.: -0.007 min
Response: 420777
Conc: 3.34 ug/ml



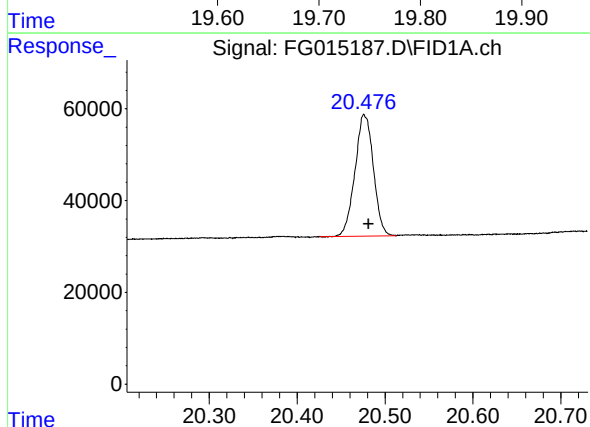
#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: -0.007 min
Response: 405039
Conc: 3.72 ug/ml

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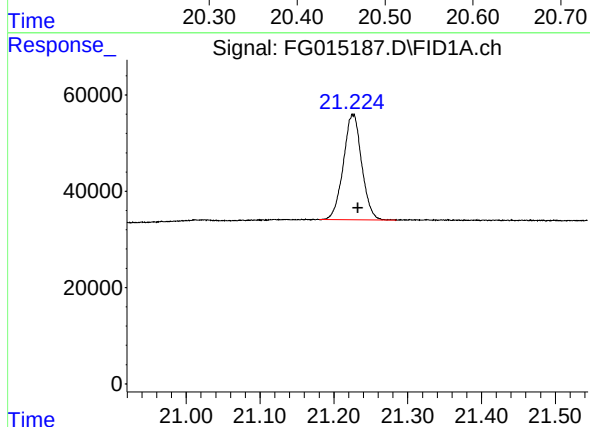
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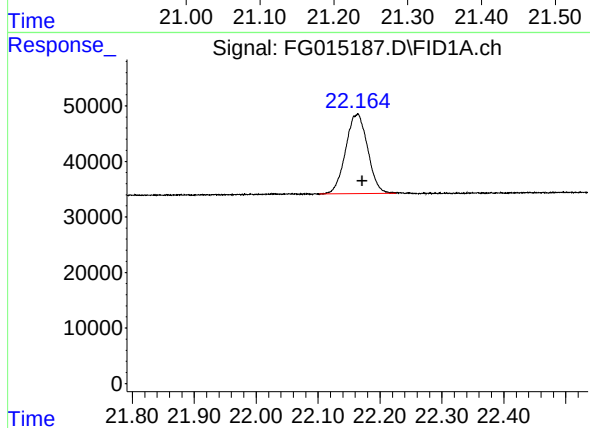
#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: -0.005 min
Response: 385663
Conc: 4.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.226 min
Delta R.T.: -0.007 min
Response: 376748
Conc: 4.29 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.164 min
Delta R.T.: -0.007 min
Response: 352286
Conc: 4.16 ug/ml