

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012669.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 16:11
 Operator : YP\AJ
 Sample : 03572-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :Ankita Jodhani 08/11/2023

Integration File: autoint1.e
 Quant Time: Aug 10 23:13:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 15:32:13 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			
12) S 1-chlorooctadecane (S...	13.425	5026260	48.189 ug/ml
Spiked Amount 50.000		Recovery =	96.38%
Target Compounds			
1) T n-Nonane (C9)	3.346	393678	3.790 ug/ml
2) T n-Decane (C10)	4.597	385701	3.677 ug/ml
4) T n-Dodecane (C12)	6.768	399343	3.739 ug/ml
6) T n-Tetradecane (C14)	8.601	411222	3.827 ug/ml
7) T n-Hexadecane (C16)	10.214	416736	3.830 ug/ml
8) T n-Octadecane (C18)	11.662	440023	3.988 ug/ml
10) T n-Eicosane (C20)	12.974	425332	3.855 ug/ml
11) T n-Heneicosane (C21)	13.589	427779	3.876 ug/ml
13) T n-Docosane (C22)	14.176	423553	3.869 ug/ml
14) T n-Tetracosane (C24)	15.282	420262	3.895 ug/ml
15) T n-Hexacosane (C26)	16.305	409022	3.895 ug/ml
16) T n-Octacosane (C28)	17.257	402311	3.974 ug/ml
17) T n-Tricontane (C30)	18.146	407075	4.087 ug/ml
18) T n-Dotriacontane (C32)	18.979	411461	4.163 ug/ml
19) T n-Tetratriacontane (C34)	19.763	379200	4.121 ug/ml
20) T n-Hexatriacontane (C36)	20.502	354813	3.952 ug/mlm
21) T n-Octatriacontane (C38)	21.261	320936	3.779 ug/ml
22) T n-Tetracontane (C40)	22.209	301871	3.698 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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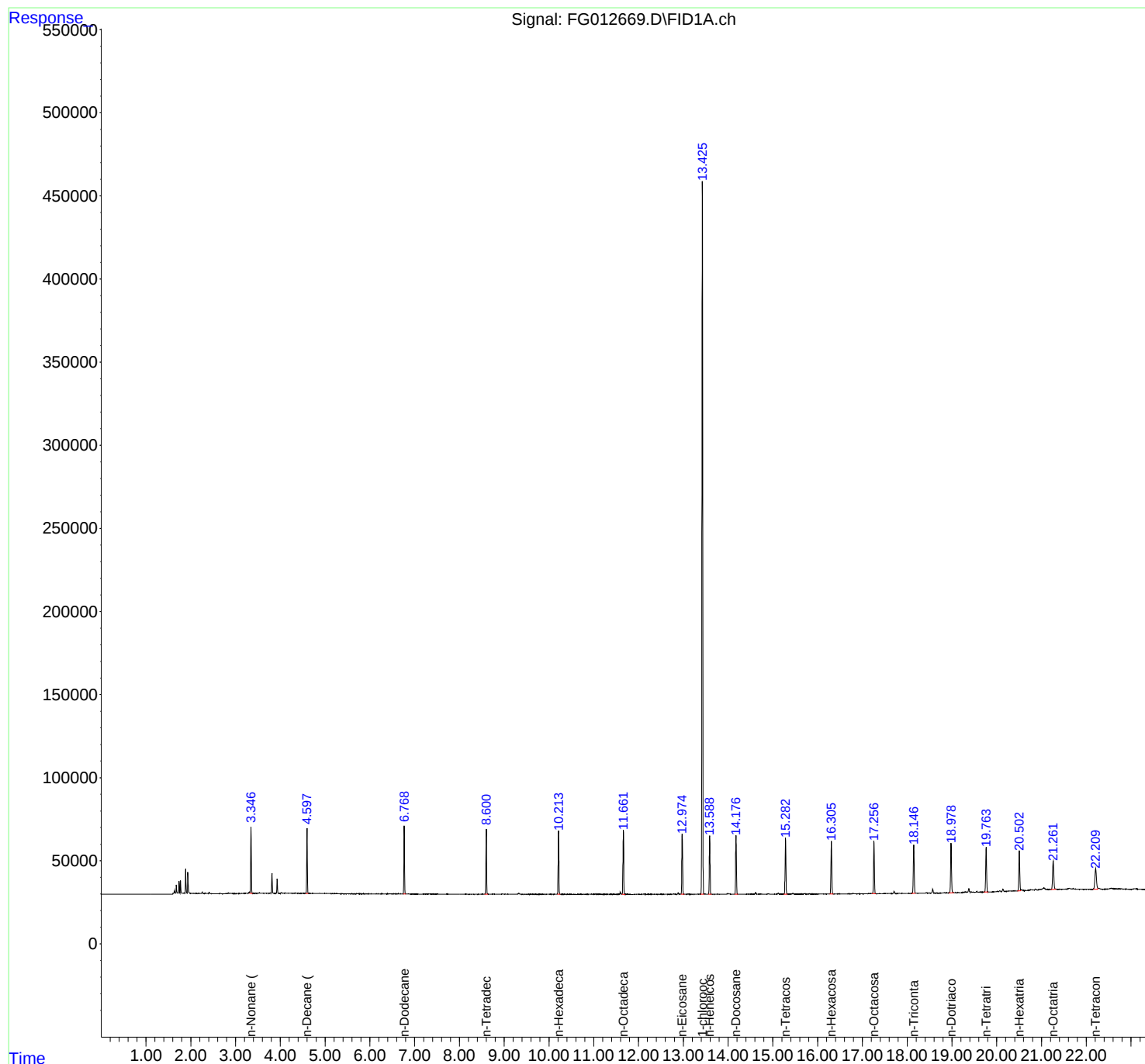
Instrument :
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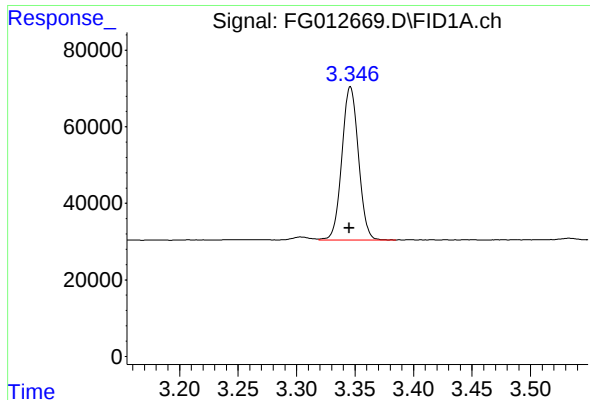
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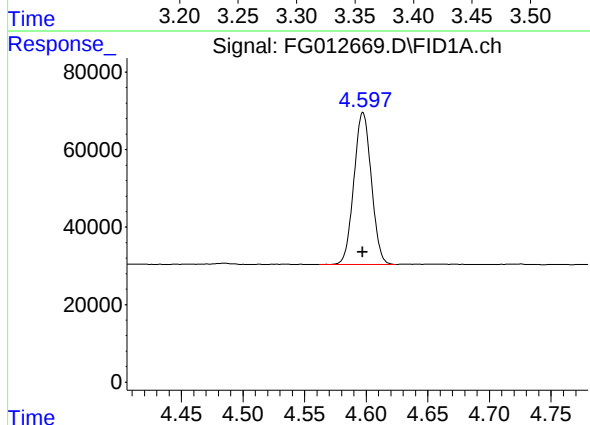
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: 0.001 min
Response: 393678
Conc: 3.79 ug/ml

Instrument :
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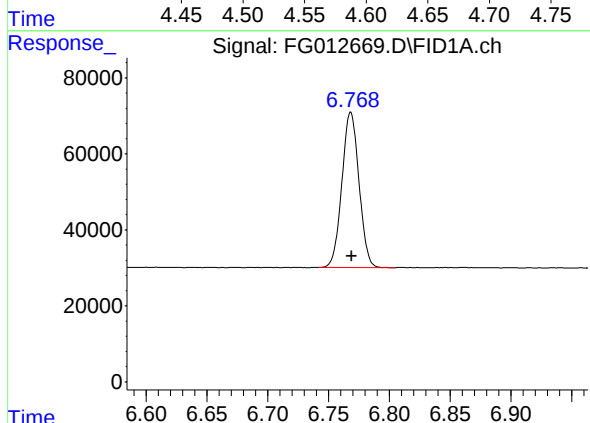
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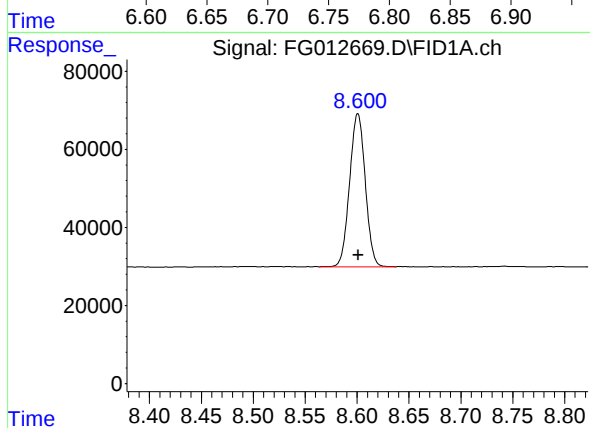
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 385701
Conc: 3.68 ug/ml



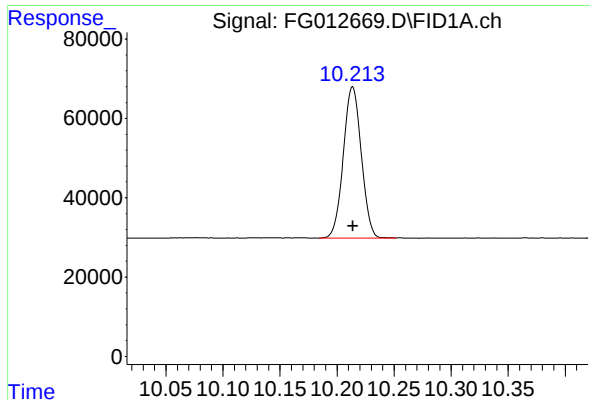
#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 399343
Conc: 3.74 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 411222
Conc: 3.83 ug/ml



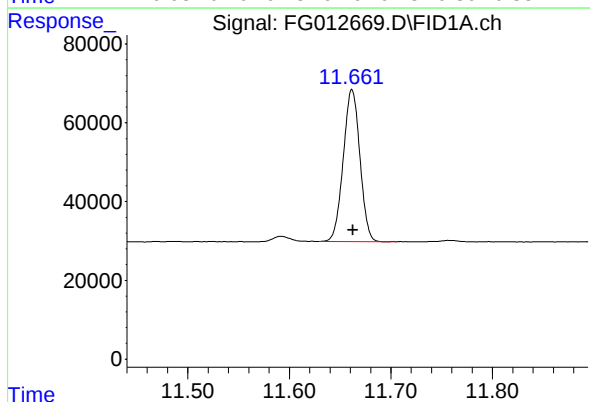
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 416736
Conc: 3.83 ug/ml

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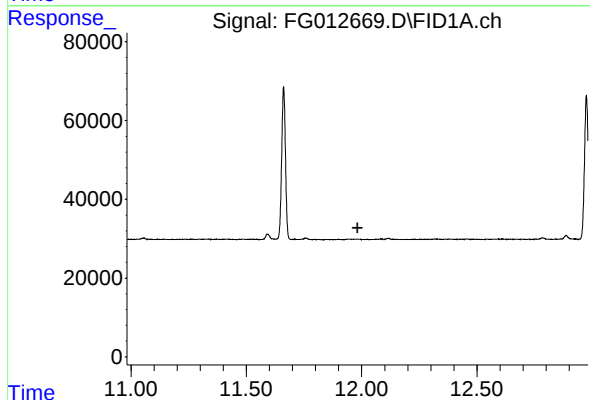
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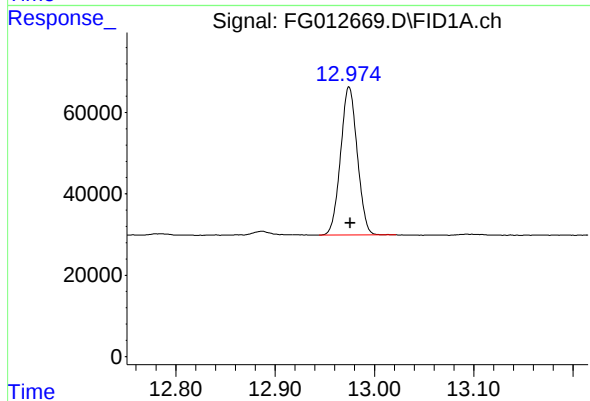
#8 n-Octadecane (C18)

R.T.: 11.662 min
Delta R.T.: 0.000 min
Response: 440023
Conc: 3.99 ug/ml



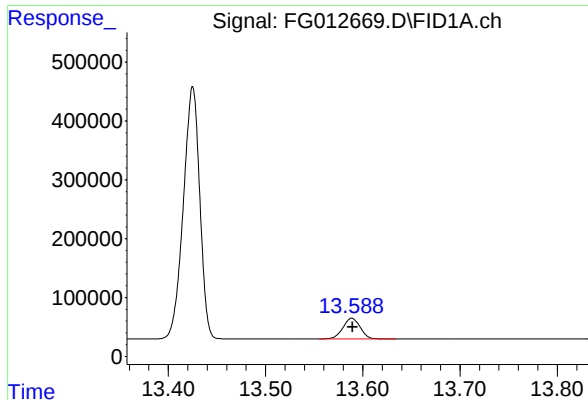
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.982 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: -0.002 min
Response: 425332
Conc: 3.85 ug/ml



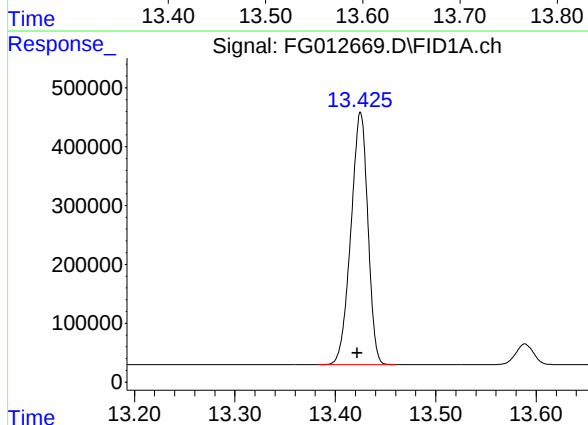
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: 0.000 min
Response: 427779
Conc: 3.88 ug/ml

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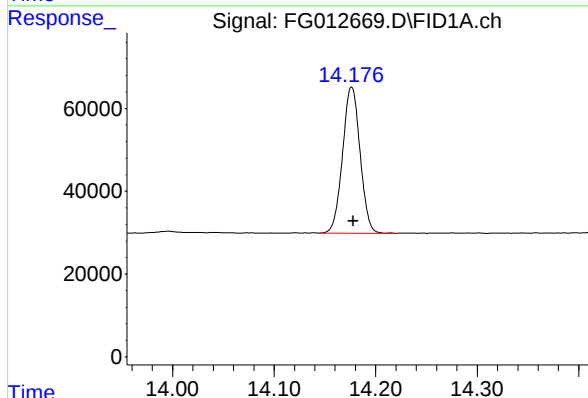
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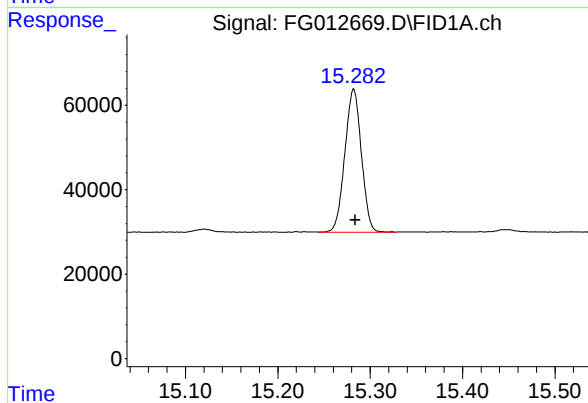
#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min
Delta R.T.: 0.003 min
Response: 5026260
Conc: 48.19 ug/ml



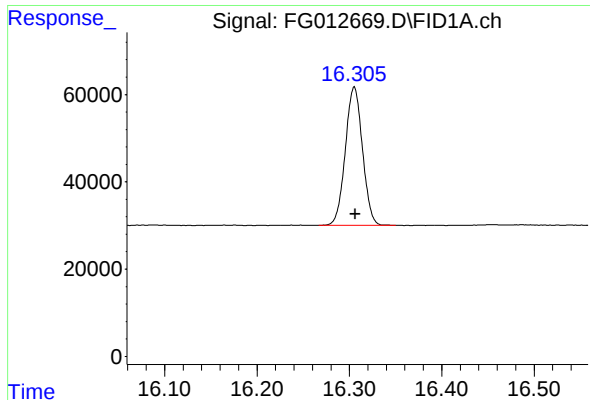
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: -0.001 min
Response: 423553
Conc: 3.87 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.282 min
Delta R.T.: -0.002 min
Response: 420262
Conc: 3.89 ug/ml



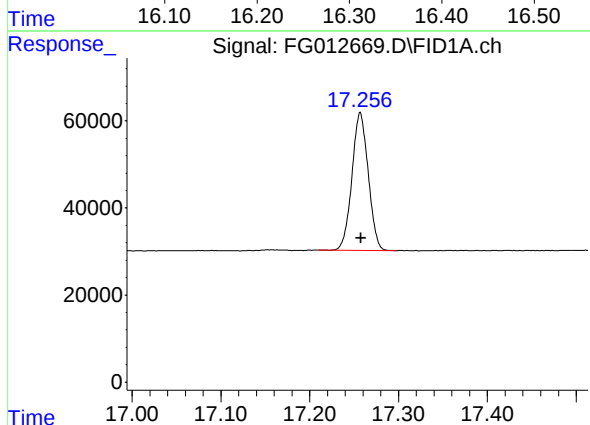
#15 n-Hexacosane (C26)

R.T.: 16.305 min
Delta R.T.: -0.001 min
Response: 409022
Conc: 3.89 ug/ml

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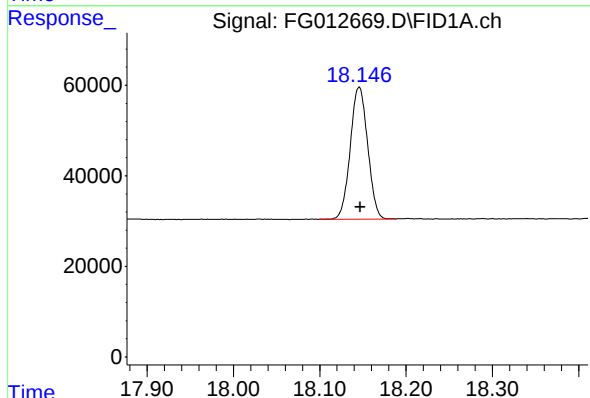
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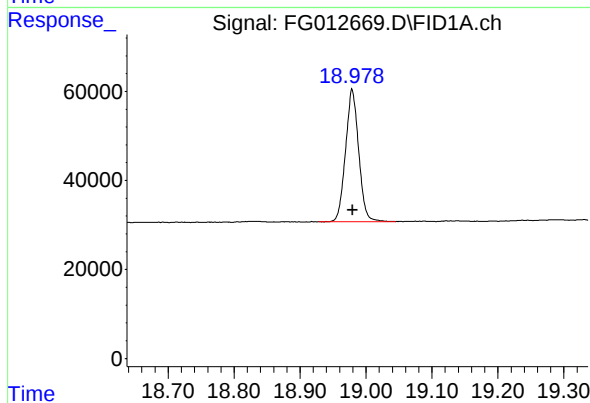
#16 n-Octacosane (C28)

R.T.: 17.257 min
Delta R.T.: -0.001 min
Response: 402311
Conc: 3.97 ug/ml



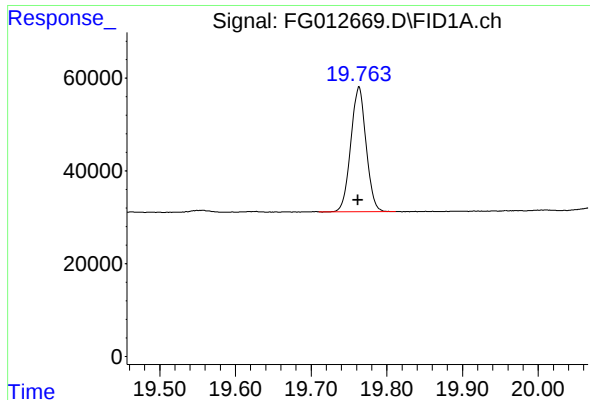
#17 n-Tricontane (C30)

R.T.: 18.146 min
Delta R.T.: -0.001 min
Response: 407075
Conc: 4.09 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.979 min
Delta R.T.: -0.001 min
Response: 411461
Conc: 4.16 ug/ml



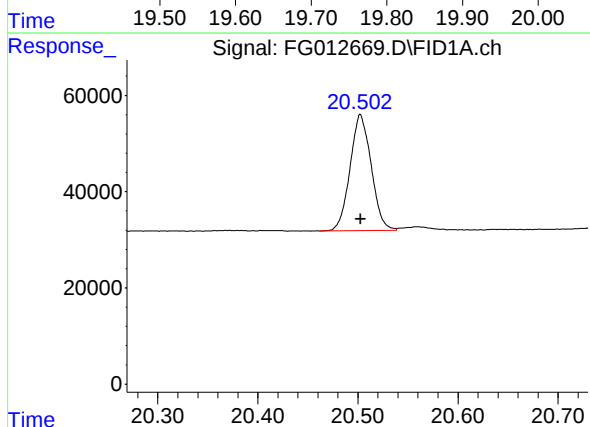
#19 n-Tetratriacontane (C34)

R.T.: 19.763 min
Delta R.T.: 0.001 min
Response: 379200
Conc: 4.12 ug/ml

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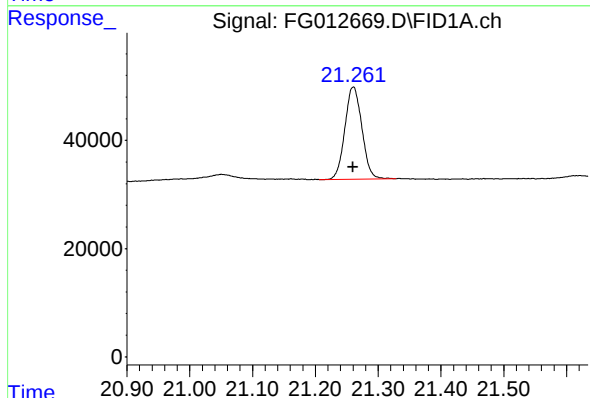
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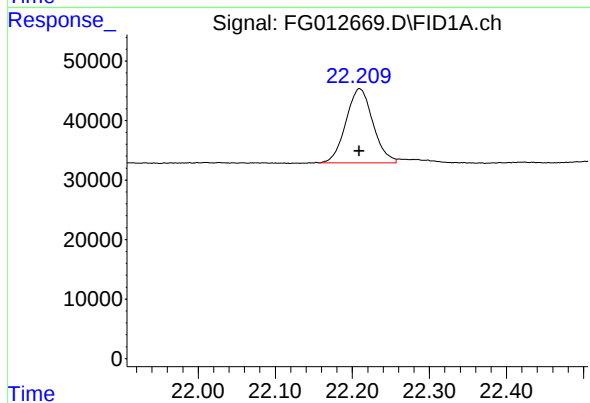
#20 n-Hexatriacontane (C36)

R.T.: 20.502 min
Delta R.T.: 0.000 min
Response: 354813
Conc: 3.95 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.261 min
Delta R.T.: 0.000 min
Response: 320936
Conc: 3.78 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.209 min
Delta R.T.: 0.000 min
Response: 301871
Conc: 3.70 ug/ml m