

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067413.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 23:21
 Operator : YP/AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 03:25:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 2024
 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...	12.943	4434399	39.175 ug/ml
Spiked Amount 50.000		Recovery =	78.35%
Target Compounds			
1) T n-Nonane (C9)	3.276	239718	1.891 ug/ml
2) T n-Decane (C10)	4.341	295970	2.303 ug/mlm
4) T n-Dodecane (C12)	6.358	347309	2.677 ug/ml
6) T n-Tetradecane (C14)	8.151	349699	2.715 ug/ml
7) T n-Hexadecane (C16)	9.749	358710	2.695 ug/ml
8) T n-Octadecane (C18)	11.189	386273	2.849 ug/ml
10) T n-Eicosane (C20)	12.497	409899	3.139 ug/ml
11) T n-Heneicosane (C21)	13.109	390483	3.045 ug/ml
13) T n-Docosane (C22)	13.693	401634	3.145 ug/ml
14) T n-Tetracosane (C24)	14.795	407580	3.187 ug/mlm
15) T n-Hexacosane (C26)	15.816	393273	3.119 ug/ml
16) T n-Octacosane (C28)	16.765	390715	3.110 ug/ml
17) T n-Tricontane (C30)	17.650	408730	3.173 ug/ml
18) T n-Dotriacontane (C32)	18.483	405810	3.248 ug/ml
19) T n-Tetratriacontane (C34)	19.263	404400	3.701 ug/mlm
20) T n-Hexatriacontane (C36)	20.007	398364	4.215 ug/mlm
21) T n-Octatriacontane (C38)	20.728	378763	4.319 ug/mlm
22) T n-Tetracontane (C40)	21.617	628808	7.308 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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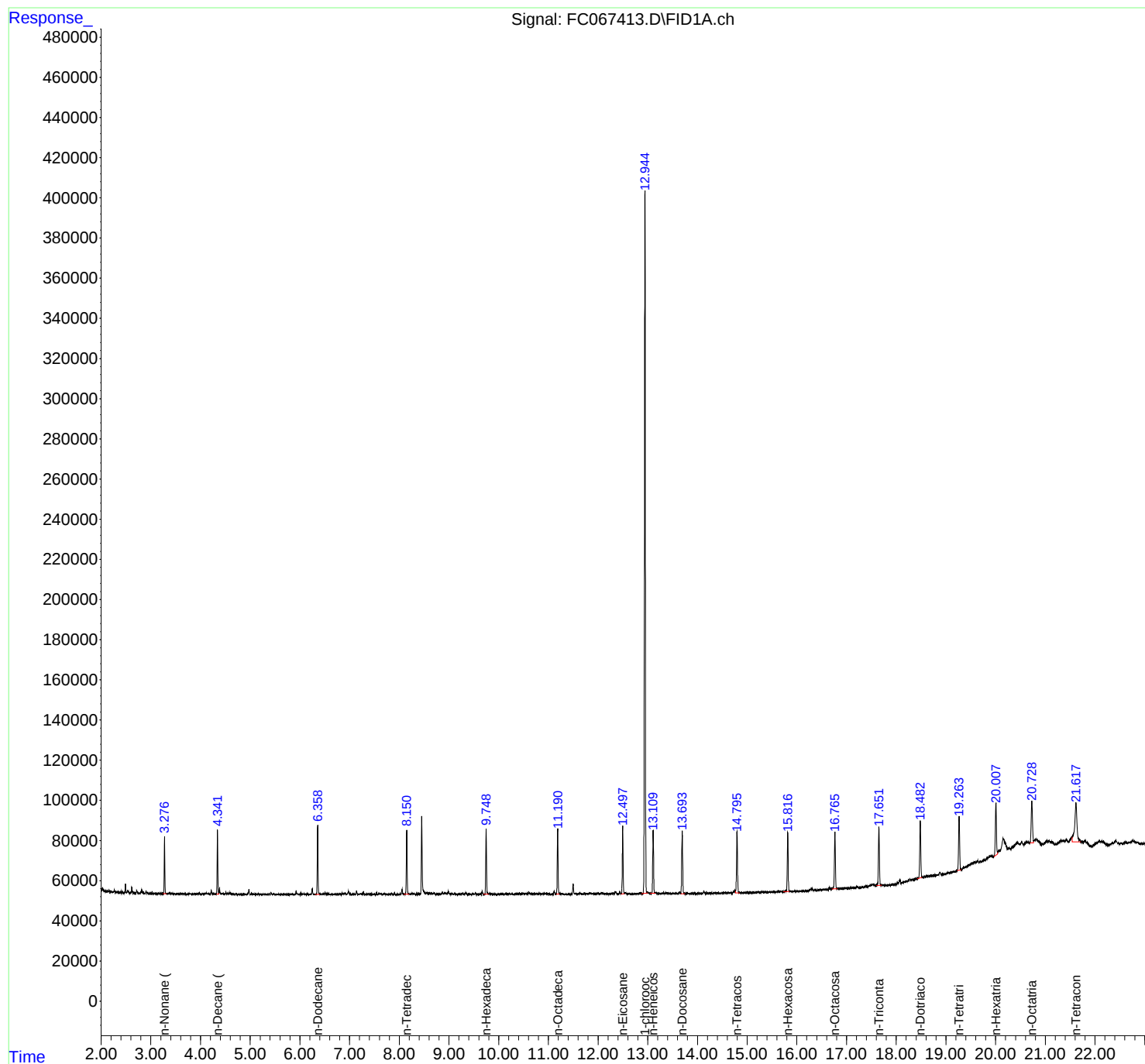
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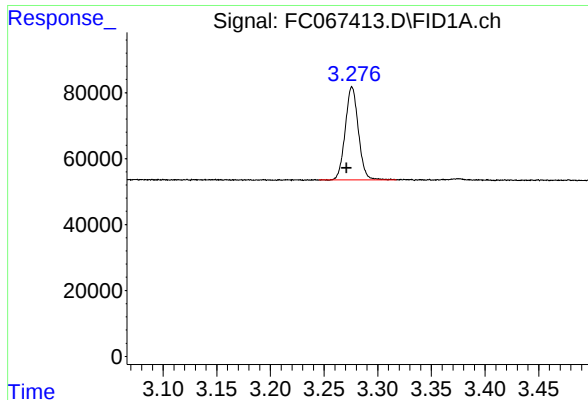
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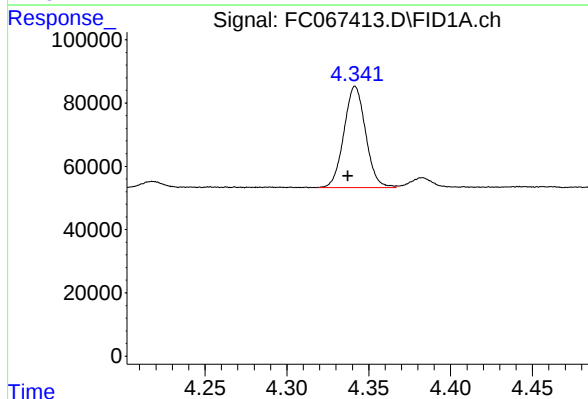
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 239718
Conc: 1.89 ug/ml

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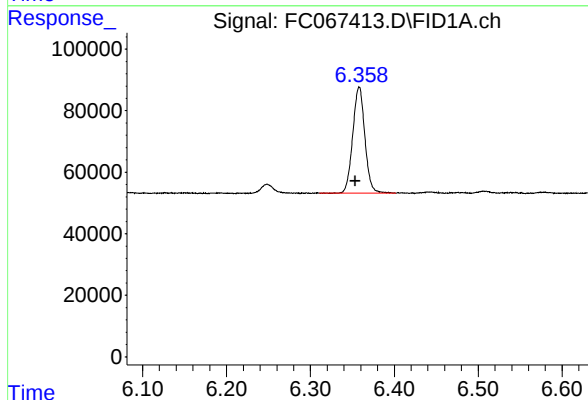
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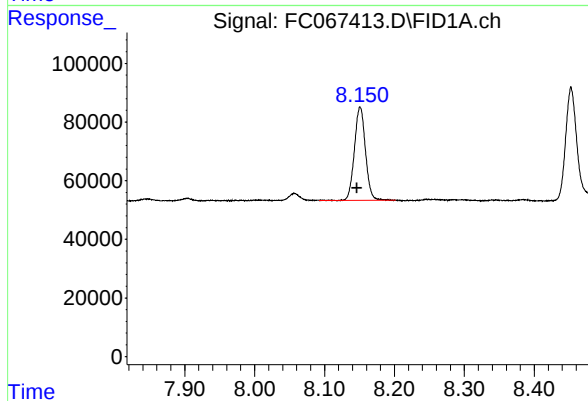
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 295970
Conc: 2.30 ug/ml



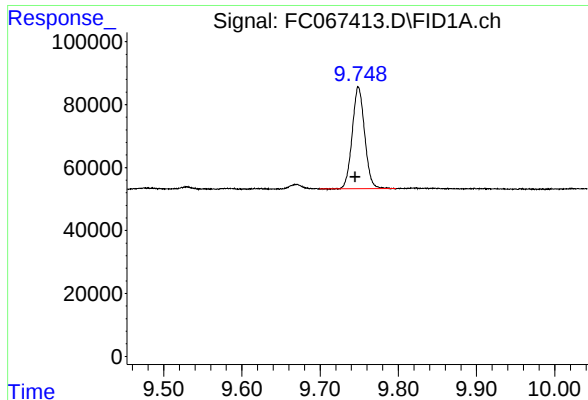
#4 n-Dodecane (C12)

R.T.: 6.358 min
Delta R.T.: 0.005 min
Response: 347309
Conc: 2.68 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.151 min
Delta R.T.: 0.005 min
Response: 349699
Conc: 2.72 ug/ml



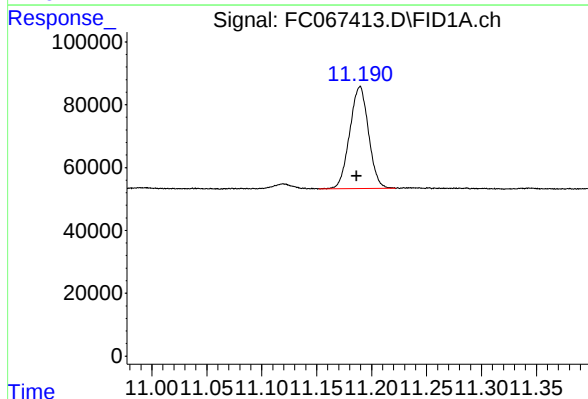
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.004 min
Response: 358710
Conc: 2.69 ug/ml

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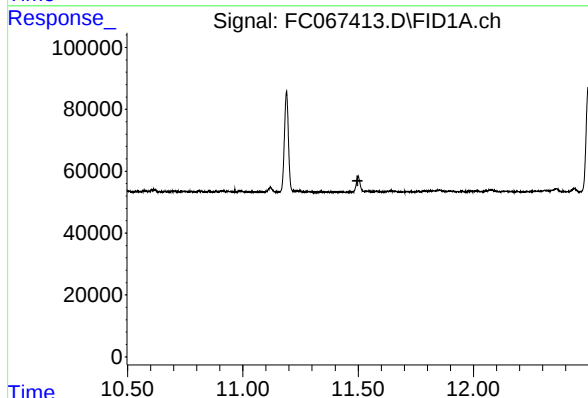
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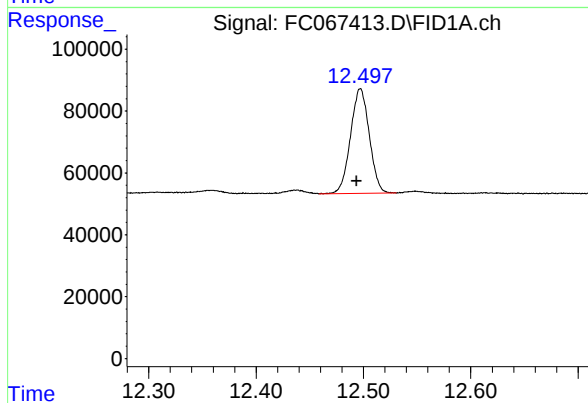
#8 n-Octadecane (C18)

R.T.: 11.189 min
Delta R.T.: 0.003 min
Response: 386273
Conc: 2.85 ug/ml



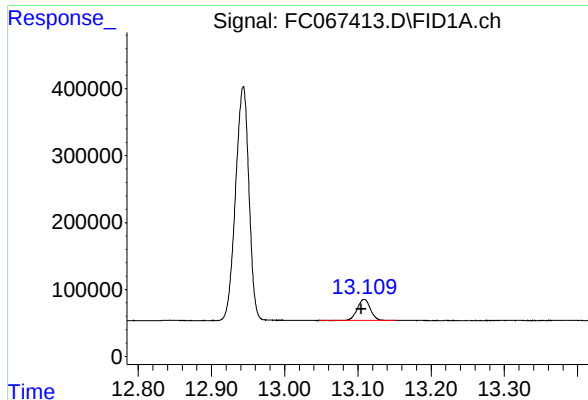
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.004 min
Response: 409899
Conc: 3.14 ug/ml



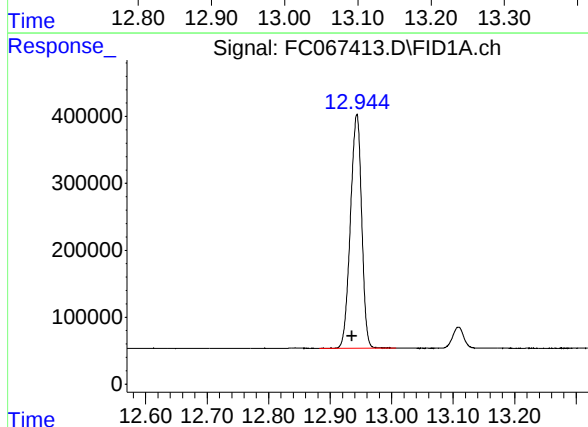
#11 n-Heneicosane (C21)

R.T.: 13.109 min
Delta R.T.: 0.004 min
Response: 390483
Conc: 3.04 ug/ml

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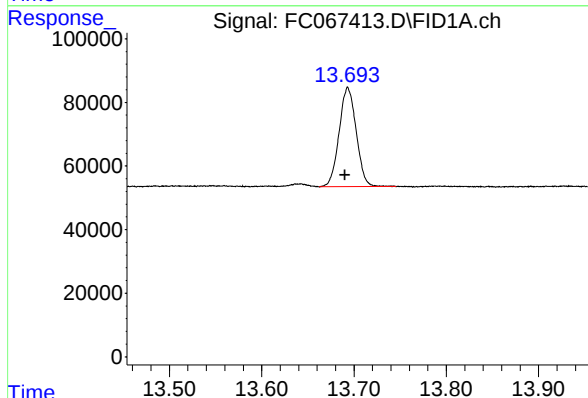
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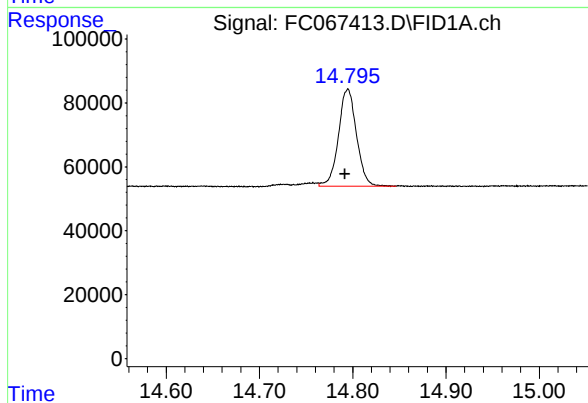
#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.007 min
Response: 4434399
Conc: 39.18 ug/ml



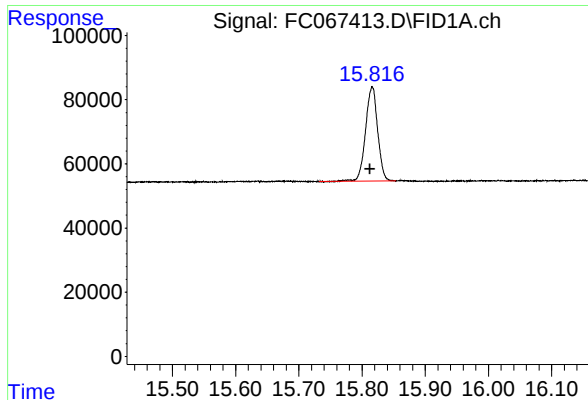
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: 0.003 min
Response: 401634
Conc: 3.15 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.003 min
Response: 407580
Conc: 3.19 ug/ml m



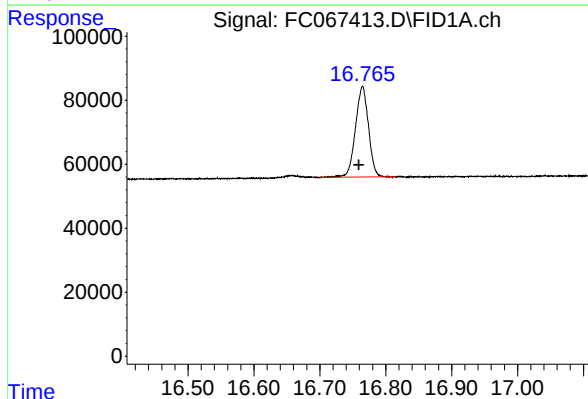
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.003 min
Response: 393273
Conc: 3.12 ug/ml

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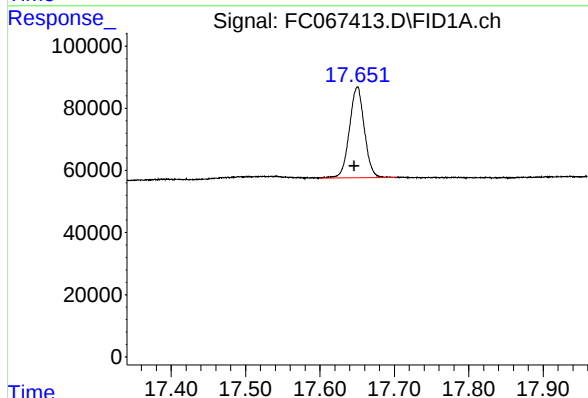
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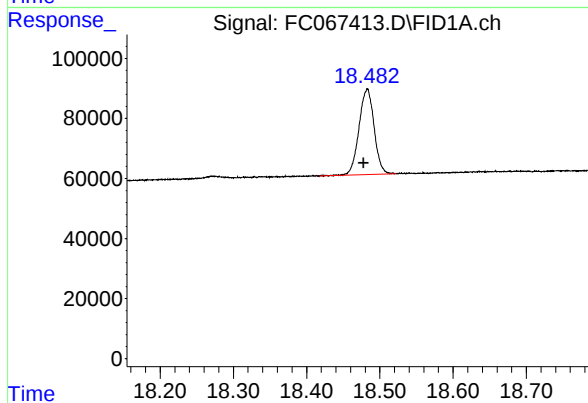
#16 n-Octacosane (C28)

R.T.: 16.765 min
Delta R.T.: 0.005 min
Response: 390715
Conc: 3.11 ug/ml



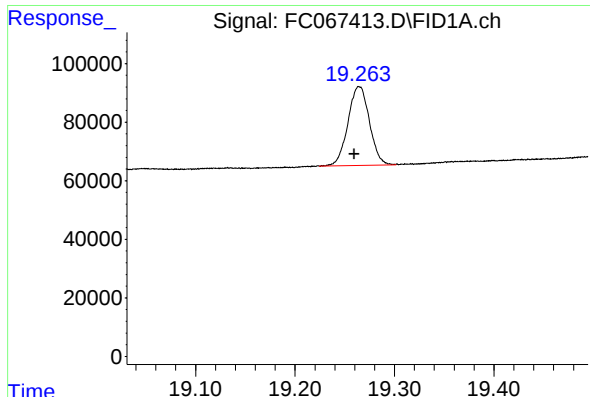
#17 n-Tricontane (C30)

R.T.: 17.650 min
Delta R.T.: 0.004 min
Response: 408730
Conc: 3.17 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.005 min
Response: 405810
Conc: 3.25 ug/ml



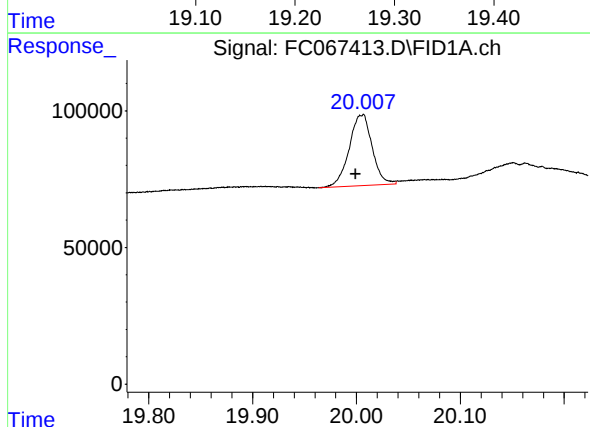
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.004 min
Response: 404400
Conc: 3.70 ug/ml

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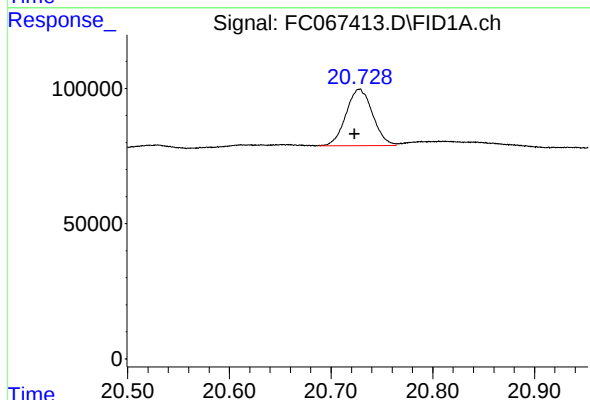
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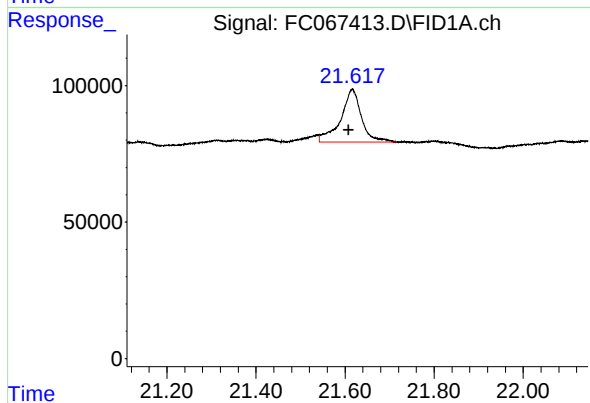
#20 n-Hexatriacontane (C36)

R.T.: 20.007 min
Delta R.T.: 0.007 min
Response: 398364
Conc: 4.21 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.728 min
Delta R.T.: 0.005 min
Response: 378763
Conc: 4.32 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.617 min
Delta R.T.: 0.009 min
Response: 628808
Conc: 7.31 ug/ml m