

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066378.D
 Signal(s) : FID1A.ch
 Acq On : 10 May 2024 15:48
 Operator : YP/AJ
 Sample : P2403-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:54:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 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...	13.002	5913009	48.207 ug/ml
Spiked Amount 50.000		Recovery =	96.41%
Target Compounds			
1) T n-Nonane (C9)	3.314	230859	1.529 ug/ml
2) T n-Decane (C10)	4.382	287949	1.872 ug/ml
4) T n-Dodecane (C12)	6.402	456911	2.973 ug/ml
6) T n-Tetradecane (C14)	8.200	392625	2.594 ug/ml
7) T n-Hexadecane (C16)	9.801	370116	2.421 ug/ml
8) T n-Octadecane (C18)	11.243	389919	2.569 ug/ml
10) T n-Eicosane (C20)	12.554	385684	2.681 ug/ml
11) T n-Heneicosane (C21)	13.166	361483	2.572 ug/ml
13) T n-Docosane (C22)	13.752	392042	2.800 ug/ml
14) T n-Tetracosane (C24)	14.856	398465	2.830 ug/ml
15) T n-Hexacosane (C26)	15.876	371928	2.719 ug/mlm
16) T n-Octacosane (C28)	16.827	366612	2.738 ug/ml
17) T n-Tricontane (C30)	17.715	378025	2.805 ug/ml
18) T n-Dotriacontane (C32)	18.548	383282	2.977 ug/ml
19) T n-Tetratriacontane (C34)	19.333	351233	2.969 ug/ml
20) T n-Hexatriacontane (C36)	20.073	400640	3.486 ug/mlm
21) T n-Octatriacontane (C38)	20.809	321220	2.984 ug/mlm
22) T n-Tetracontane (C40)	21.720	300237	2.800 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : P2403-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

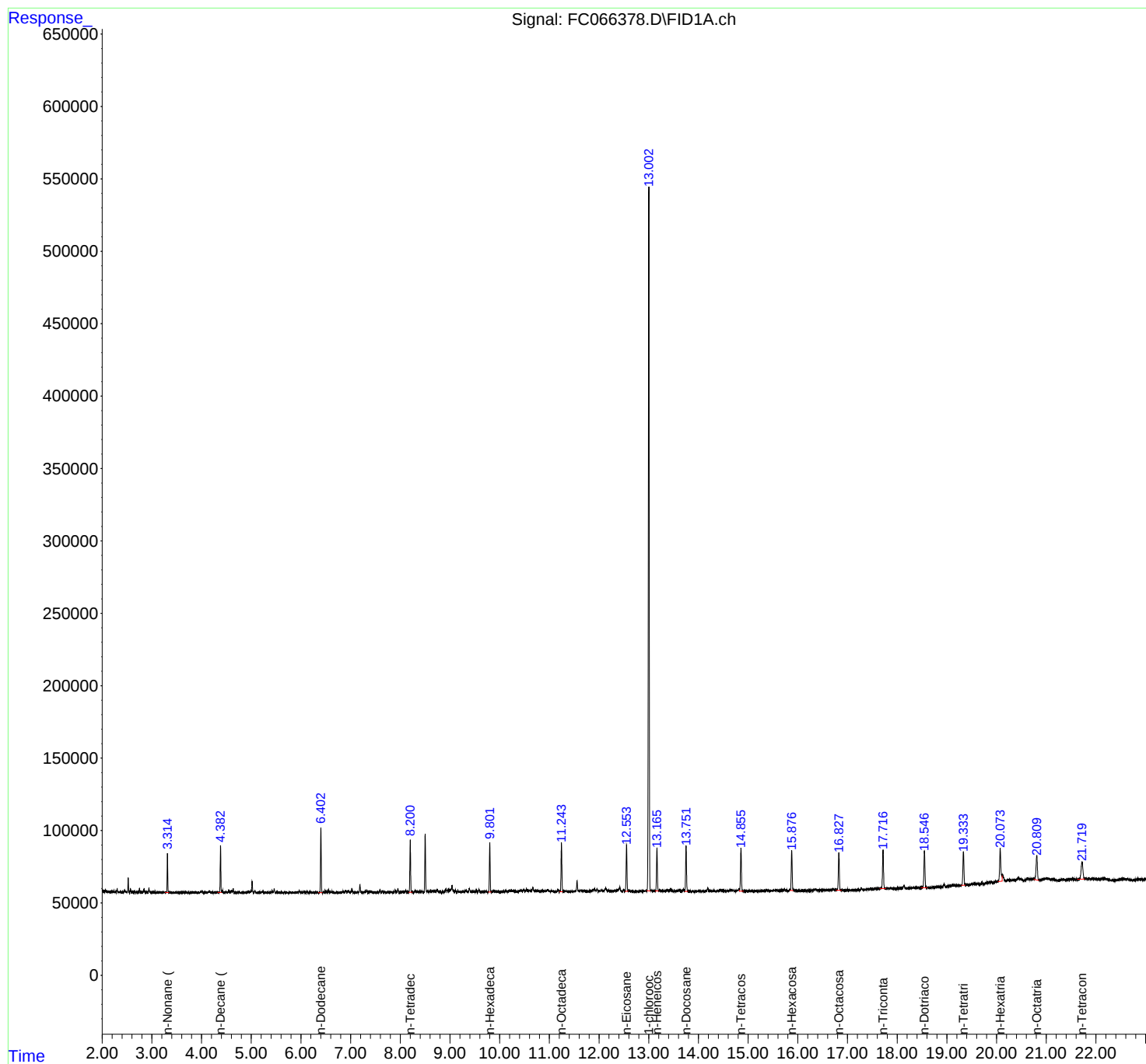
Instrument :
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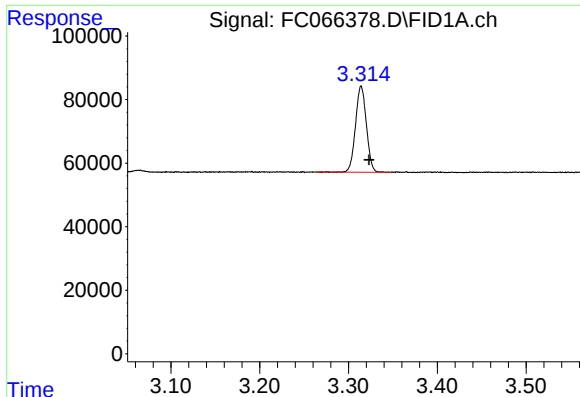
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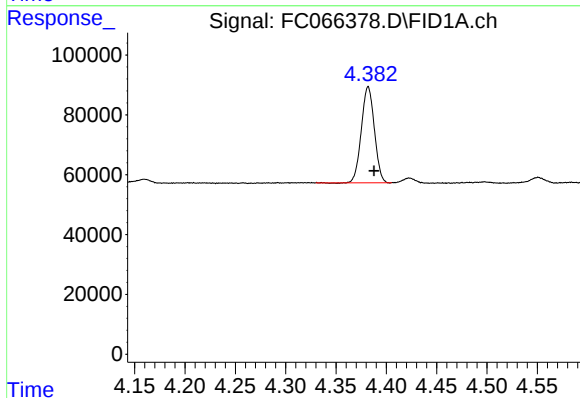
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.009 min
Response: 230859
Conc: 1.53 ug/ml

Instrument : FID_C
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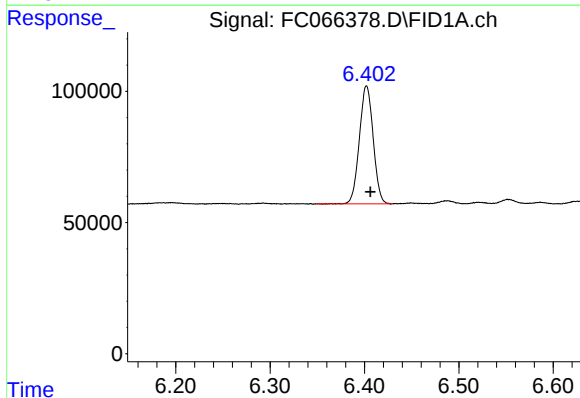
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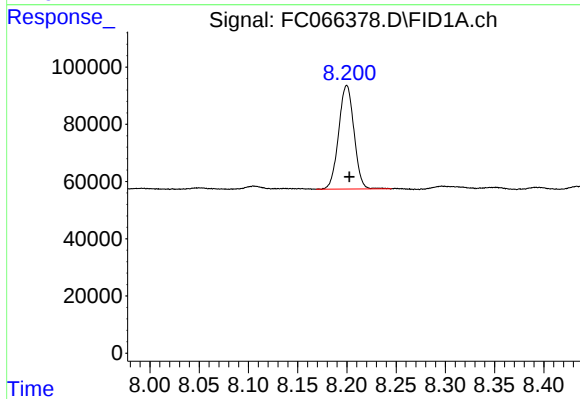
#2 n-Decane (C10)

R.T.: 4.382 min
Delta R.T.: -0.006 min
Response: 287949
Conc: 1.87 ug/ml



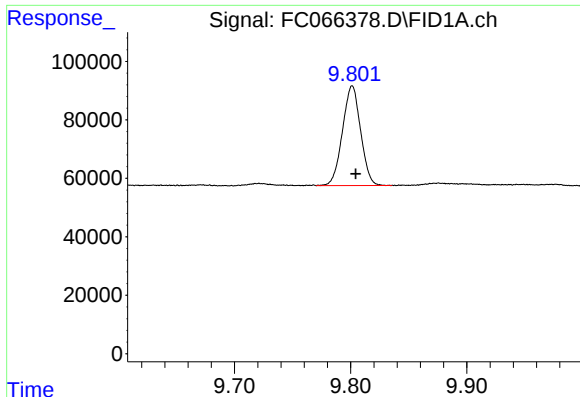
#4 n-Dodecane (C12)

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 456911
Conc: 2.97 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.200 min
Delta R.T.: -0.003 min
Response: 392625
Conc: 2.59 ug/ml



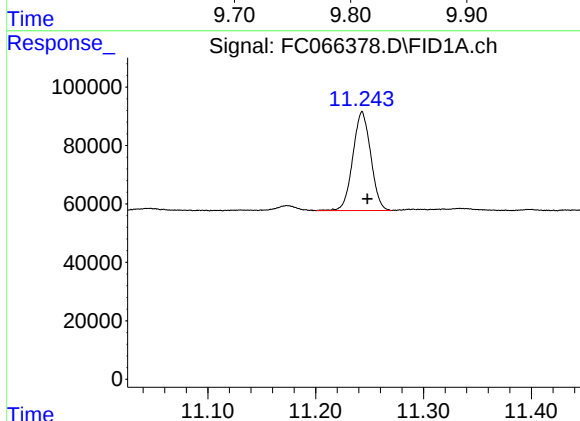
#7 n-Hexadecane (C16)

R.T.: 9.801 min
Delta R.T.: -0.003 min
Response: 370116
Conc: 2.42 ug/ml

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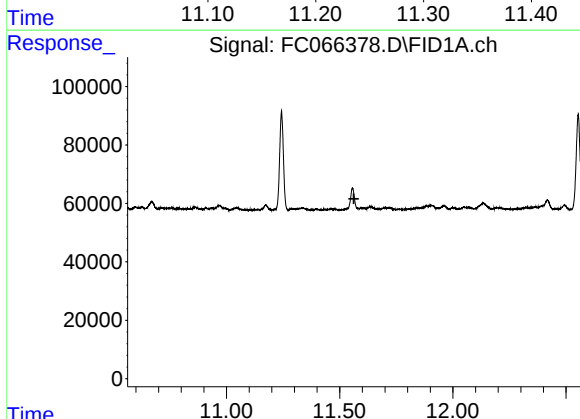
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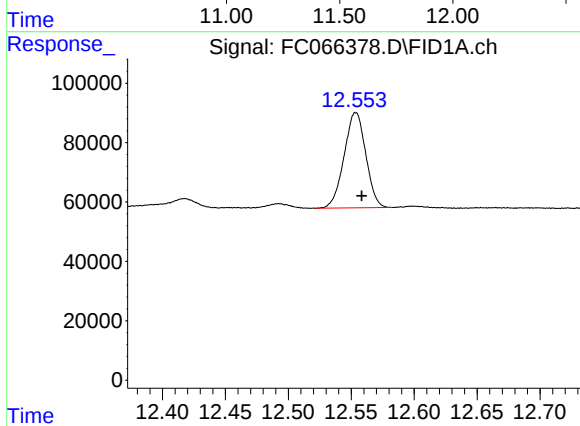
#8 n-Octadecane (C18)

R.T.: 11.243 min
Delta R.T.: -0.005 min
Response: 389919
Conc: 2.57 ug/ml



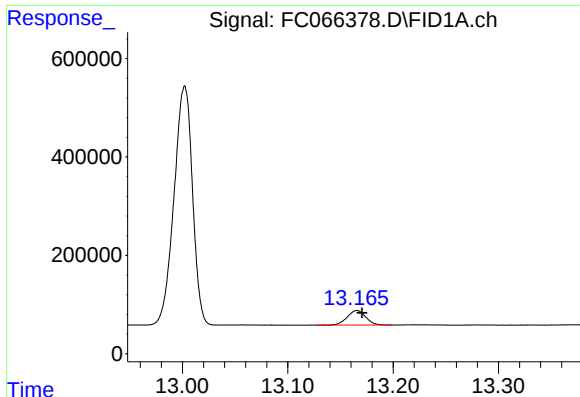
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.563 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.554 min
Delta R.T.: -0.005 min
Response: 385684
Conc: 2.68 ug/ml



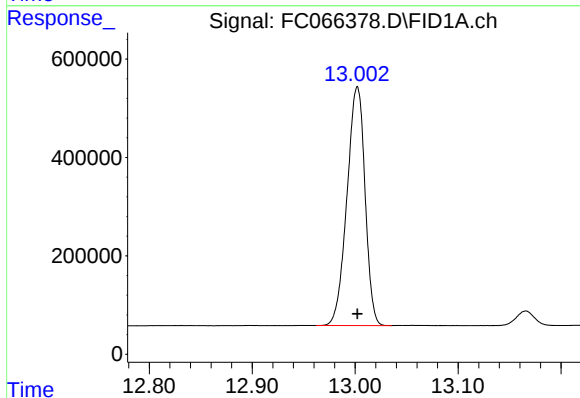
#11 n-Heneicosane (C21)

R.T.: 13.166 min
Delta R.T.: -0.005 min
Response: 361483
Conc: 2.57 ug/ml

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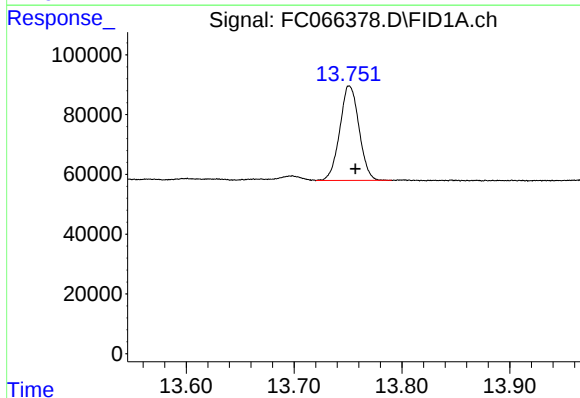
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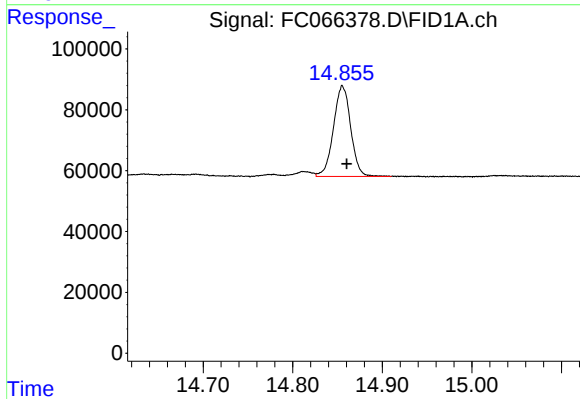
#12 1-chlorooctadecane (SURR)

R.T.: 13.002 min
Delta R.T.: 0.000 min
Response: 5913009
Conc: 48.21 ug/ml



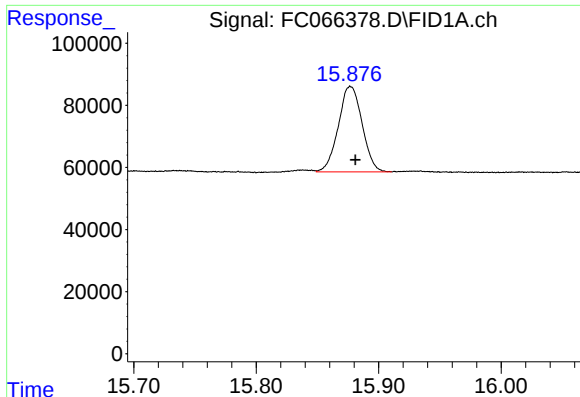
#13 n-Docosane (C22)

R.T.: 13.752 min
Delta R.T.: -0.005 min
Response: 392042
Conc: 2.80 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.856 min
Delta R.T.: -0.005 min
Response: 398465
Conc: 2.83 ug/ml



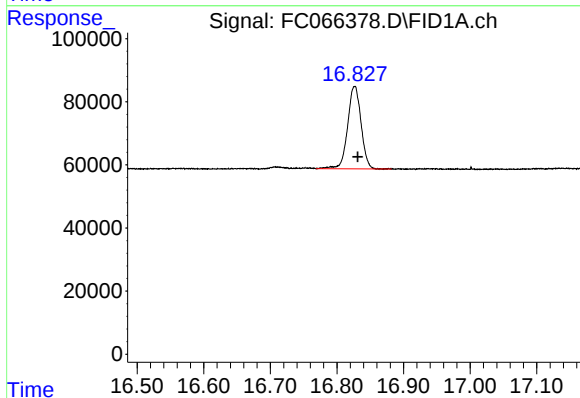
#15 n-Hexacosane (C26)

R.T.: 15.876 min
Delta R.T.: -0.005 min
Response: 371928
Conc: 2.72 ug/ml

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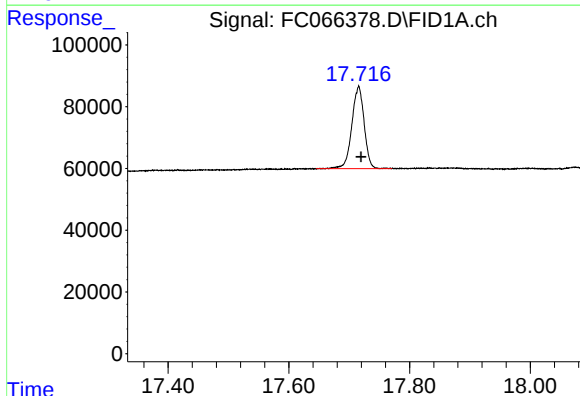
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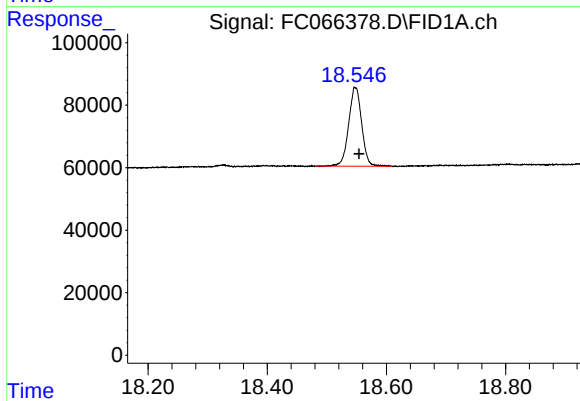
#16 n-Octacosane (C28)

R.T.: 16.827 min
Delta R.T.: -0.005 min
Response: 366612
Conc: 2.74 ug/ml



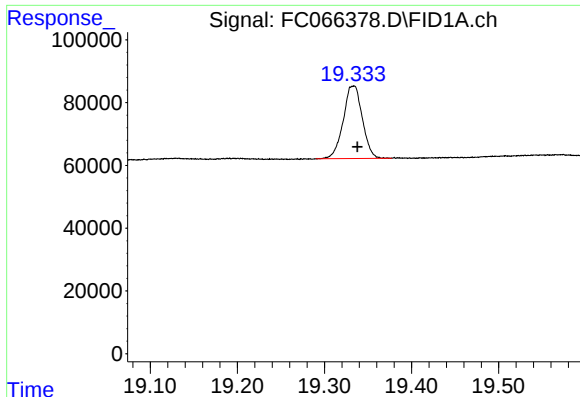
#17 n-Tricontane (C30)

R.T.: 17.715 min
Delta R.T.: -0.004 min
Response: 378025
Conc: 2.81 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.548 min
Delta R.T.: -0.006 min
Response: 383282
Conc: 2.98 ug/ml



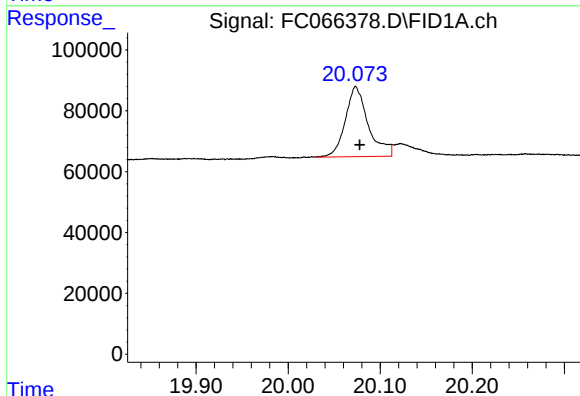
#19 n-Tetratriacontane (C34)

R.T.: 19.333 min
Delta R.T.: -0.005 min
Response: 351233
Conc: 2.97 ug/ml

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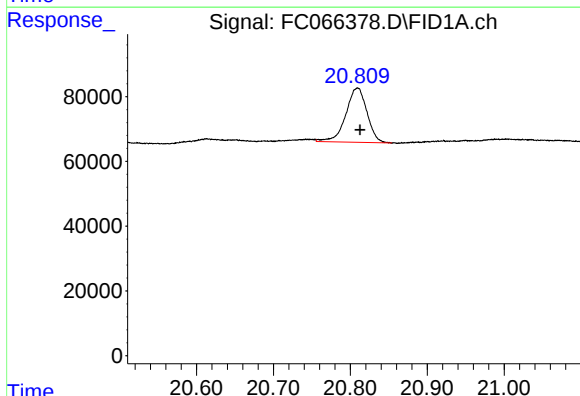
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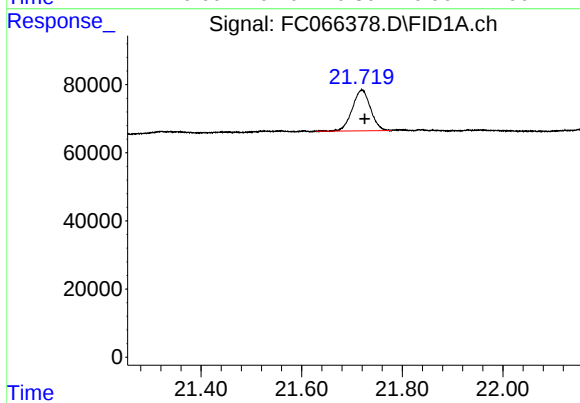
#20 n-Hexatriacontane (C36)

R.T.: 20.073 min
Delta R.T.: -0.005 min
Response: 400640
Conc: 3.49 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: -0.004 min
Response: 321220
Conc: 2.98 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.720 min
Delta R.T.: -0.005 min
Response: 300237
Conc: 2.80 ug/ml