

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041327.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 13:55
 Operator : YP\AJ
 Sample : 02213-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 01:10:48 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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...	13.278	6071101	42.196 ug/ml
Spiked Amount 50.000		Recovery =	84.39%
Target Compounds			
1) T n-Nonane (C9)	3.238	311684	1.796 ug/ml
2) T n-Decane (C10)	4.485	383448	2.253 ug/ml
4) T n-Dodecane (C12)	6.648	473945	2.732 ug/ml
6) T n-Tetradecane (C14)	8.474	483387	2.772 ug/ml
7) T n-Hexadecane (C16)	10.080	512832	2.883 ug/ml
8) T n-Octadecane (C18)	11.521	597174	3.345 ug/ml
10) T n-Eicosane (C20)	12.830	601228	3.525 ug/ml
11) T n-Heneicosane (C21)	13.443	565741	3.344 ug/ml
13) T n-Docosane (C22)	14.028	606459	3.665 ug/ml
14) T n-Tetracosane (C24)	15.131	625963	3.869 ug/ml
15) T n-Hexacosane (C26)	16.152	657334	4.240 ug/ml
16) T n-Octacosane (C28)	17.103	665300	4.343 ug/ml
17) T n-Tricontane (C30)	17.993	711366	4.654 ug/ml
18) T n-Dotriacontane (C32)	18.826	725139	4.645 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	652550	4.211 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	597551	3.934 ug/ml
21) T n-Octatriacontane (C38)	21.076	584829	3.744 ug/mlm
22) T n-Tetracontane (C40)	21.951	568231	3.560 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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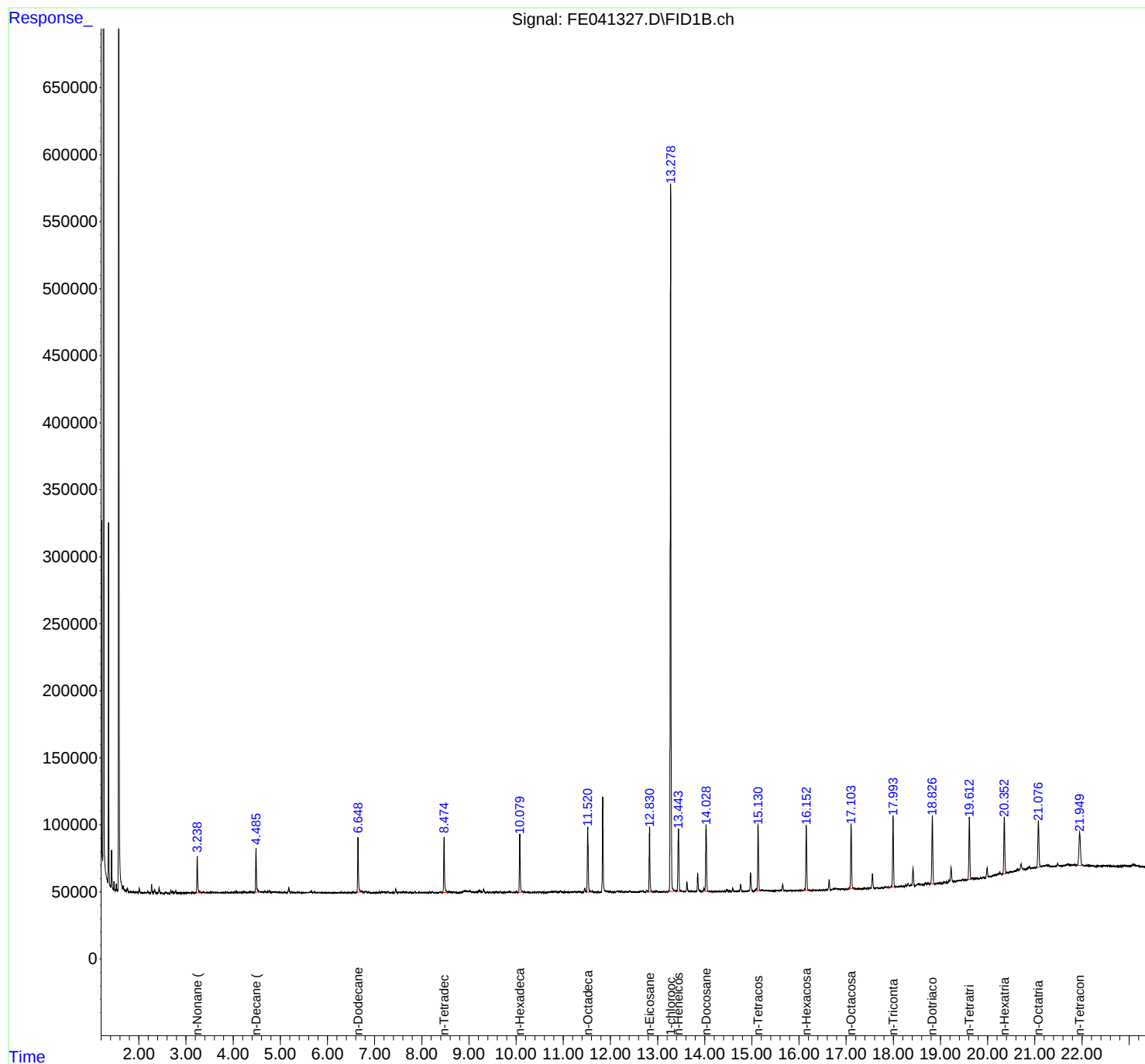
Instrument :
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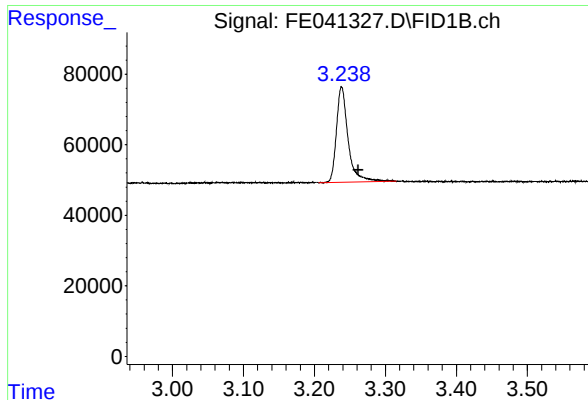
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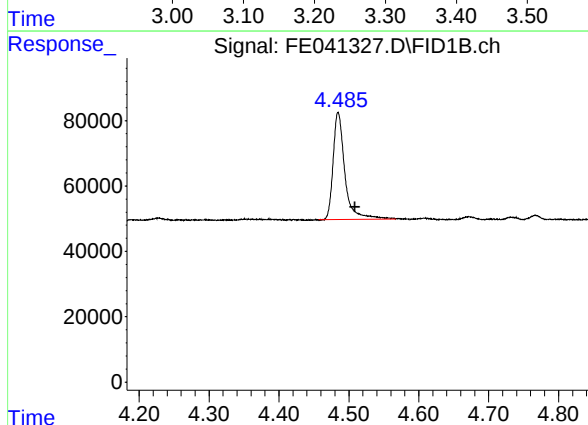
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.024 min
Response: 311684
Conc: 1.80 ug/ml

Instrument :
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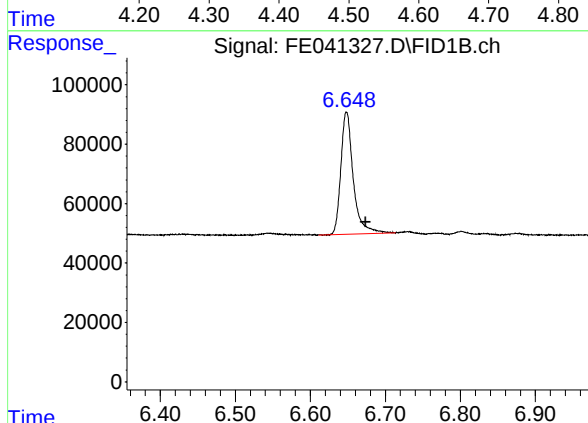
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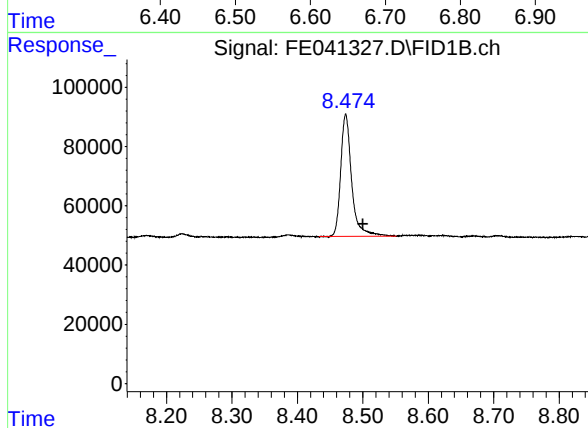
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.024 min
Response: 383448
Conc: 2.25 ug/ml



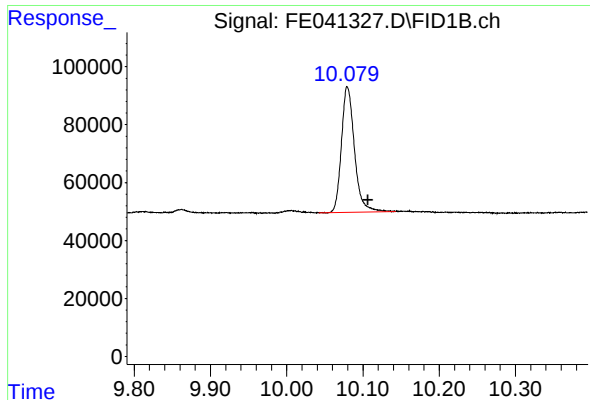
#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.025 min
Response: 473945
Conc: 2.73 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 483387
Conc: 2.77 ug/ml



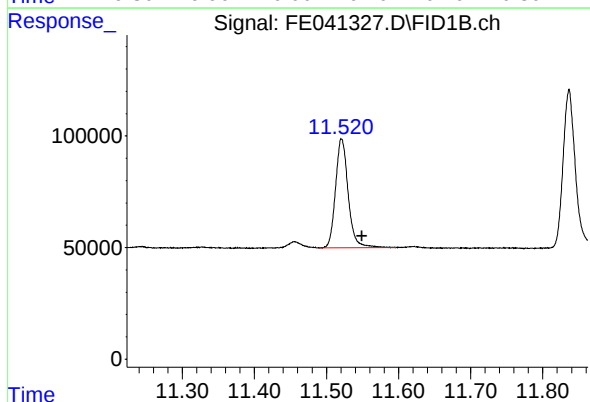
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 512832
Conc: 2.88 ug/ml

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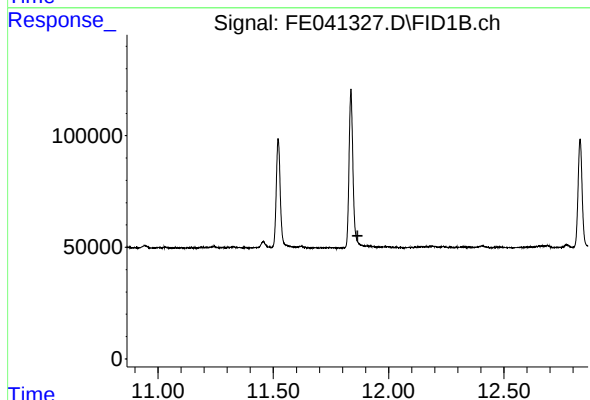
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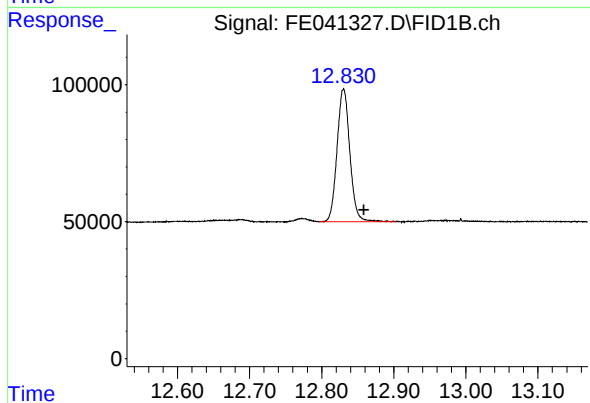
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 597174
Conc: 3.34 ug/ml



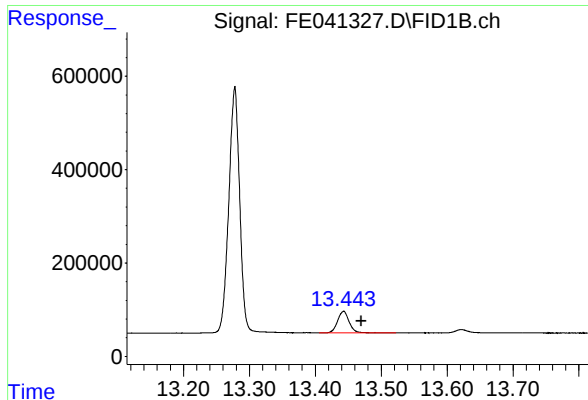
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.865 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.028 min
Response: 601228
Conc: 3.52 ug/ml



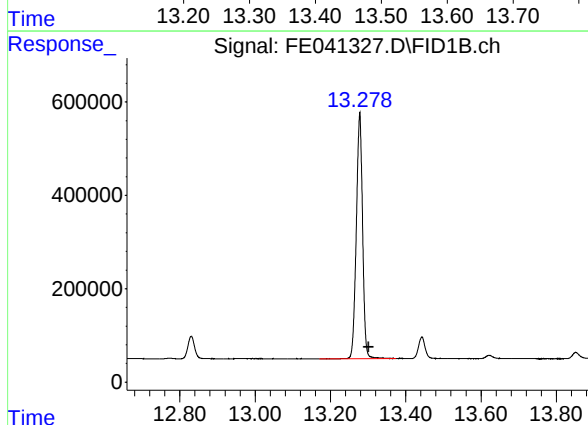
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.027 min
Response: 565741
Conc: 3.34 ug/ml

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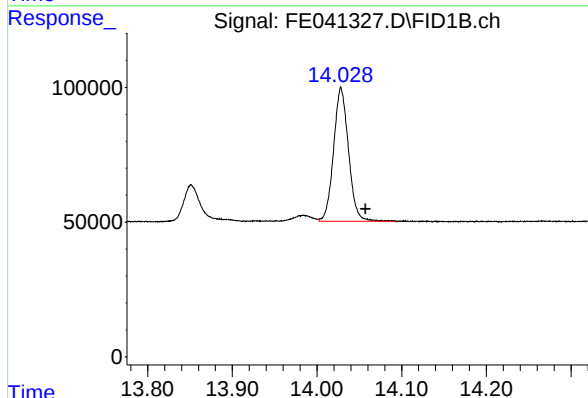
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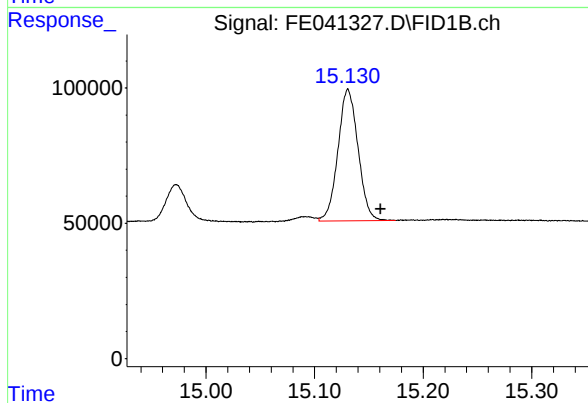
#12 1-chlorooctadecane (SURR)

R.T.: 13.278 min
Delta R.T.: -0.024 min
Response: 6071101
Conc: 42.20 ug/ml



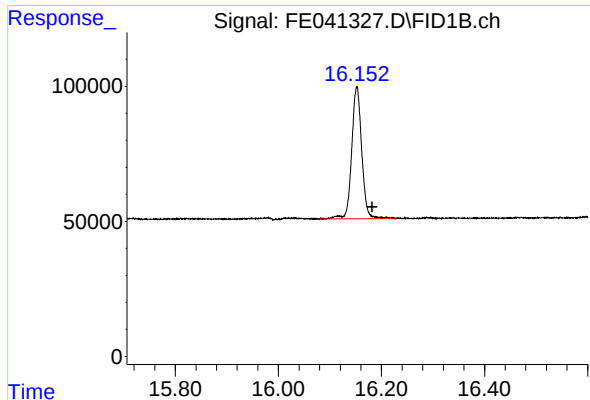
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 606459
Conc: 3.66 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 625963
Conc: 3.87 ug/ml



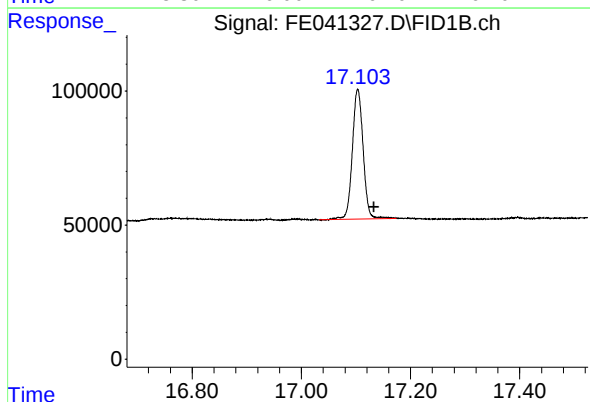
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.030 min
Response: 657334
Conc: 4.24 ug/ml

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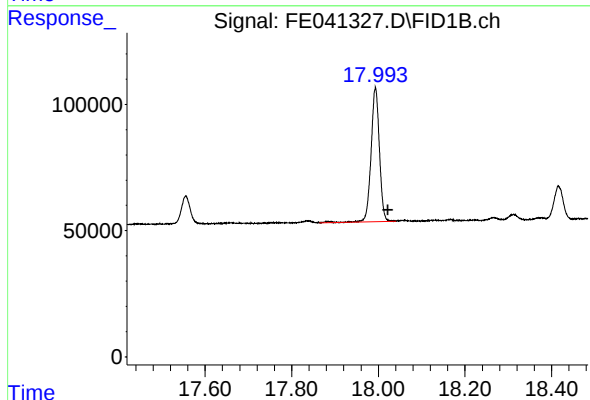
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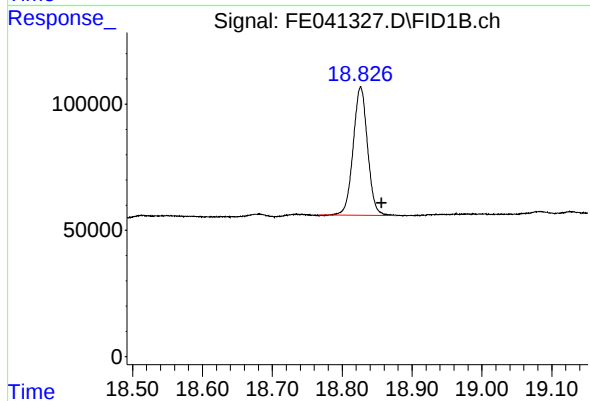
#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.030 min
Response: 665300
Conc: 4.34 ug/ml



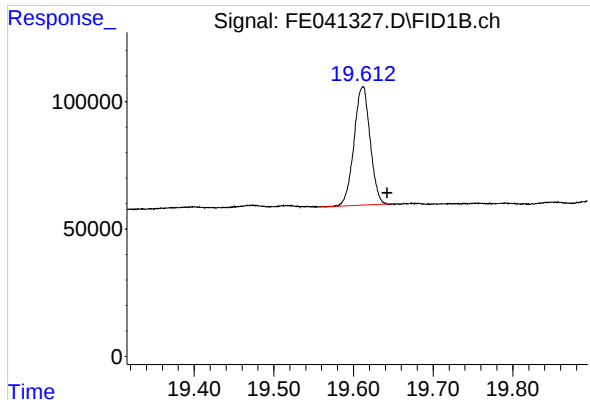
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.029 min
Response: 711366
Conc: 4.65 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.031 min
Response: 725139
Conc: 4.64 ug/ml m



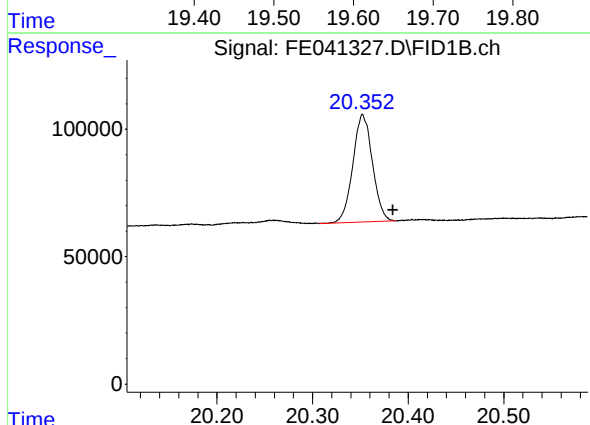
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.030 min
Response: 652550
Conc: 4.21 ug/ml

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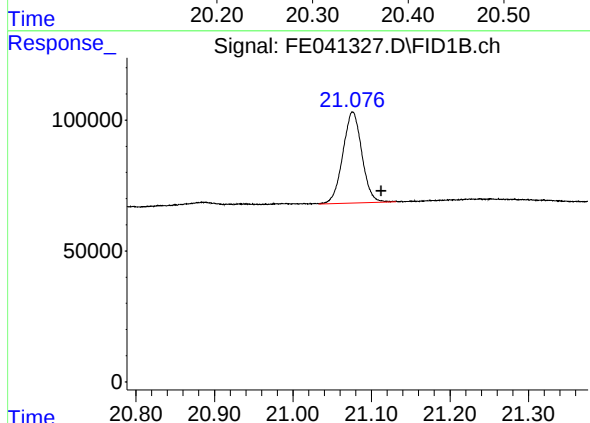
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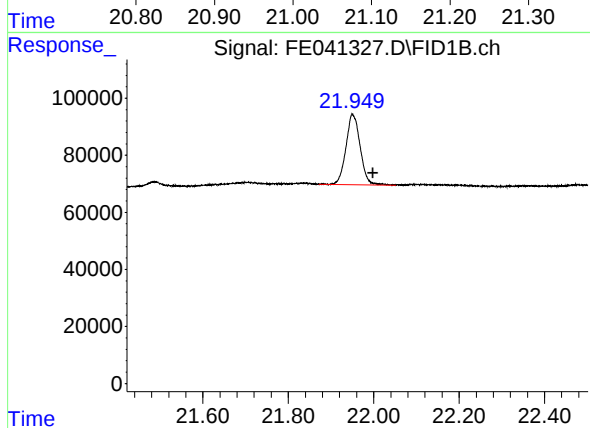
#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.032 min
Response: 597551
Conc: 3.93 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.036 min
Response: 584829
Conc: 3.74 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: -0.047 min
Response: 568231
Conc: 3.56 ug/ml