

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061424AL\
 Data File : FE048724.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jun 2024 12:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2024
 Supervised By :Ankita Jodhani 06/17/2024

Integration File: autoint1.e
 Quant Time: Jun 15 00:50:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 052524.M
 Quant Title : GC Extractables
 QLast Update : Fri May 24 16:28:51 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			
9) S ortho-Terphenyl (SURR)	11.938	2536837	17.666 ug/ml
Spiked Amount 50.000		Recovery =	35.33%
12) S 1-chlorooctadecane (S...	13.373	1902801	17.466 ug/ml
Spiked Amount 50.000		Recovery =	34.93%
Target Compounds			
1) T n-Nonane (C9)	3.326	2460037	16.454 ug/ml
2) T n-Decane (C10)	4.575	2581947	17.099 ug/ml
3) T A~Naphthalene (C11.7)	6.281	2508510	16.847 ug/ml
4) T n-Dodecane (C12)	6.741	2545423	17.196 ug/ml
5) T A~2-methylnaphthalene...	7.376	2366654	17.069 ug/ml
6) T n-Tetradecane (C14)	8.569	2454864	17.308 ug/ml
7) T n-Hexadecane (C16)	10.175	2470034	17.521 ug/ml
8) T n-Octadecane (C18)	11.618	2444200	17.599 ug/ml
10) T n-Eicosane (C20)	12.927	2341657	17.695 ug/ml
11) T n-Heneicosane (C21)	13.539	2282883	17.624 ug/ml
13) T n-Docosane (C22)	14.125	2311355	17.937 ug/ml
14) T n-Tetracosane (C24)	15.227	2413670	18.631 ug/ml
15) T n-Hexacosane (C26)	16.247	2466483	19.031 ug/ml
16) T n-Octacosane (C28)	17.196	2616490	20.243 ug/ml
17) T n-Tricontane (C30)	18.082	2913493	21.749 ug/ml
18) T n-Dotriacontane (C32)	18.915	2990500	22.031 ug/ml
19) T n-Tetratriacontane (C34)	19.698	2813002	20.563 ug/ml
20) T n-Hexatriacontane (C36)	20.437	2586174	19.025 ug/ml
21) T n-Octatriacontane (C38)	21.173	2463715	18.066 ug/ml
22) T n-Tetracontane (C40)	22.086	2405562	17.569 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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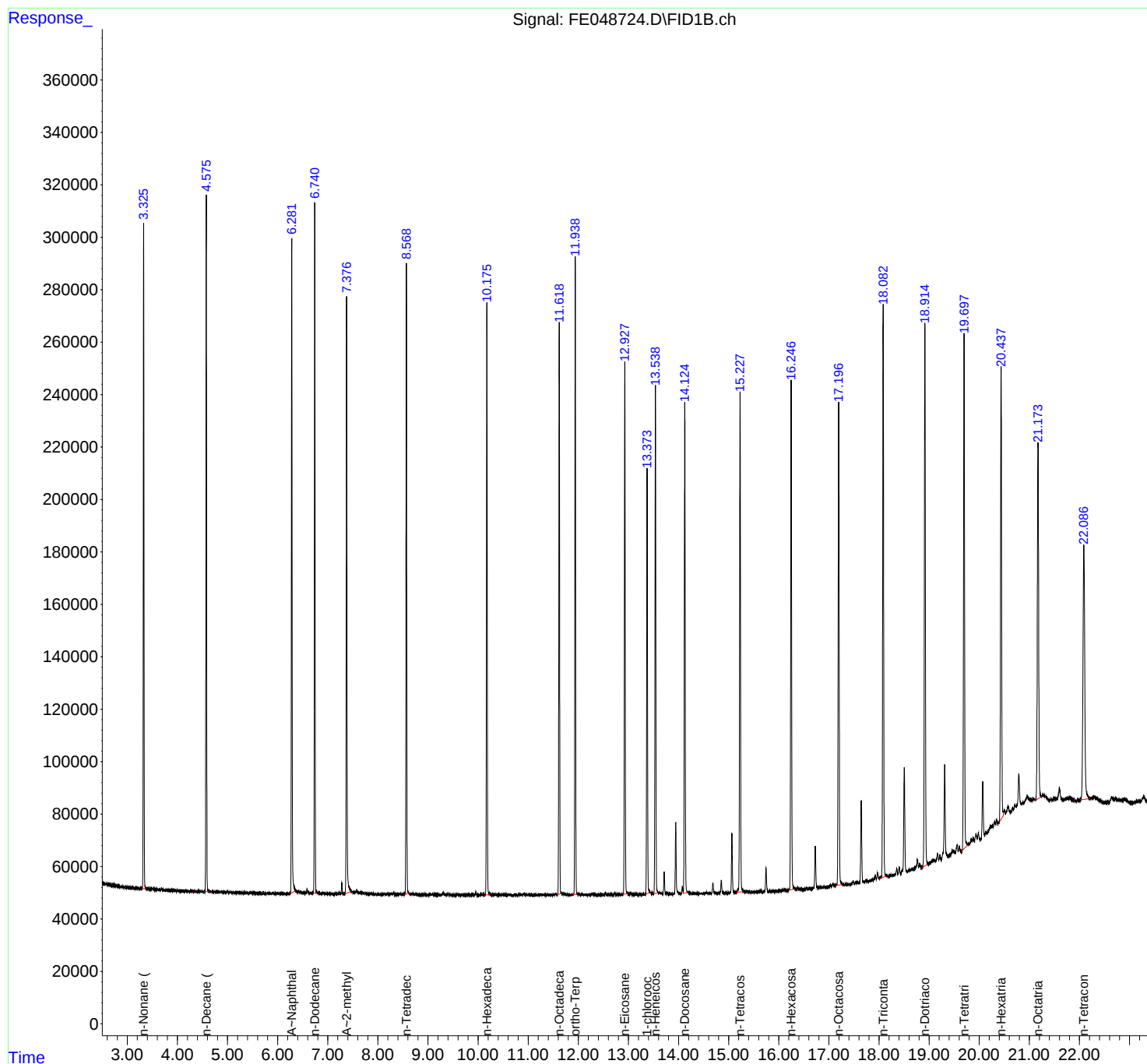
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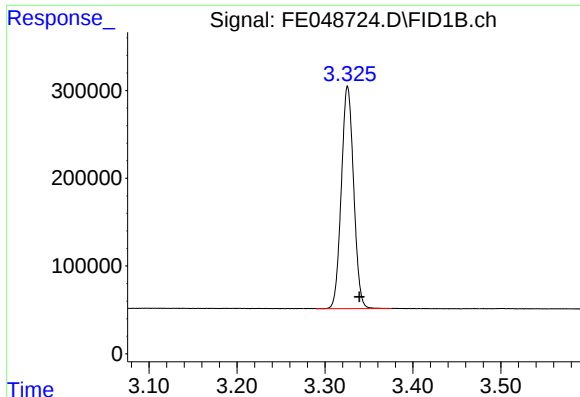
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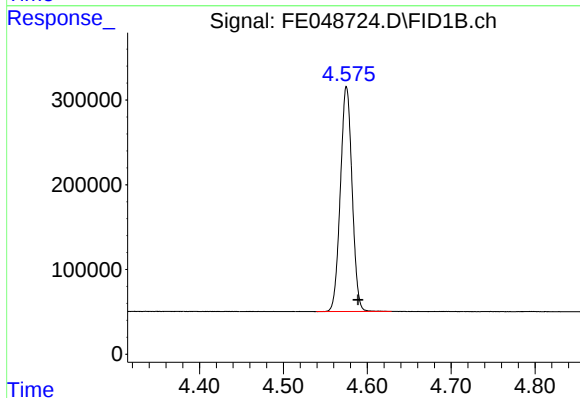
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.013 min
Response: 2460037
Conc: 16.45 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

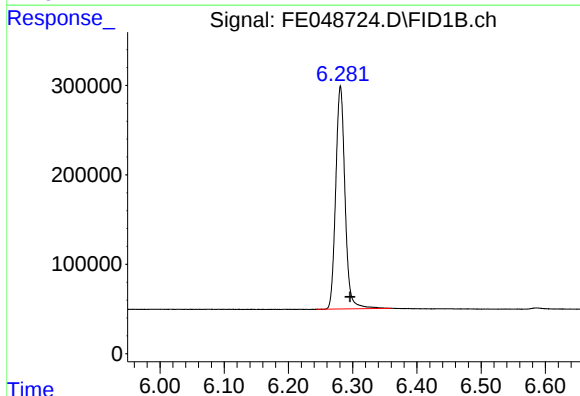
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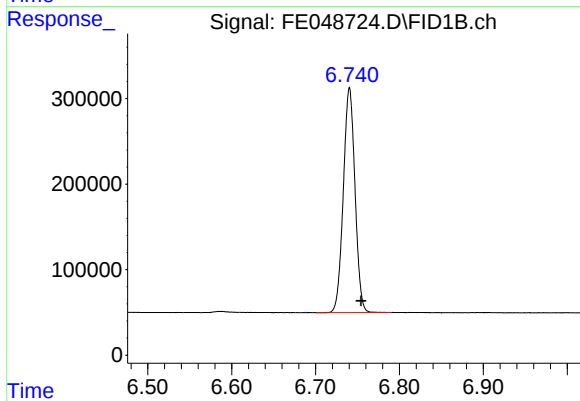
#2 n-Decane (C10)

R.T.: 4.575 min
Delta R.T.: -0.014 min
Response: 2581947
Conc: 17.10 ug/ml



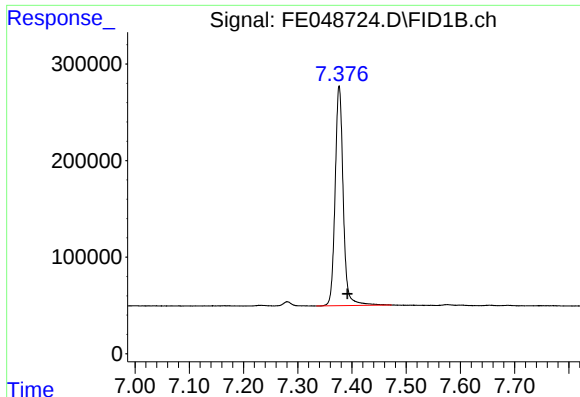
#3 A~Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: -0.015 min
Response: 2508510
Conc: 16.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.741 min
Delta R.T.: -0.014 min
Response: 2545423
Conc: 17.20 ug/ml



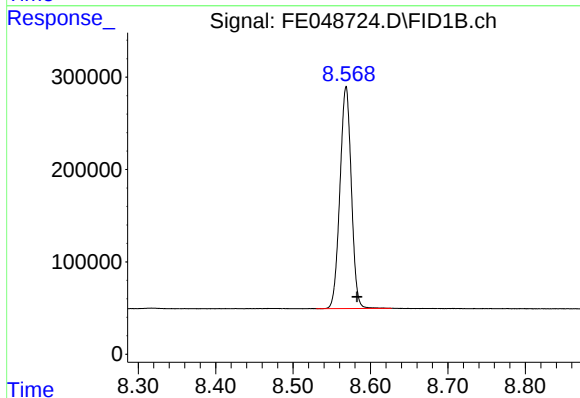
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.015 min
Response: 2366654
Conc: 17.07 ug/ml

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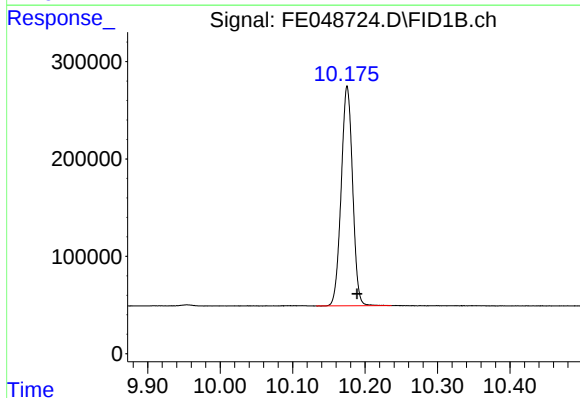
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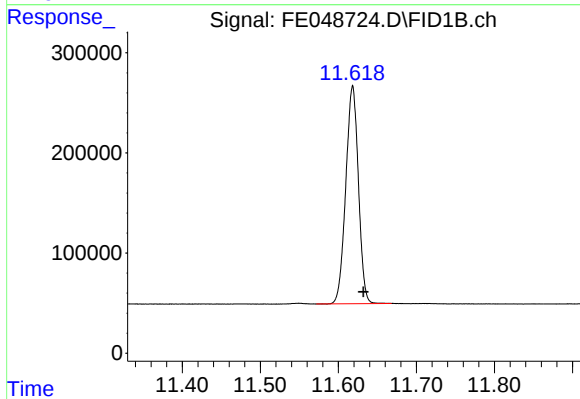
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.014 min
Response: 2454864
Conc: 17.31 ug/ml



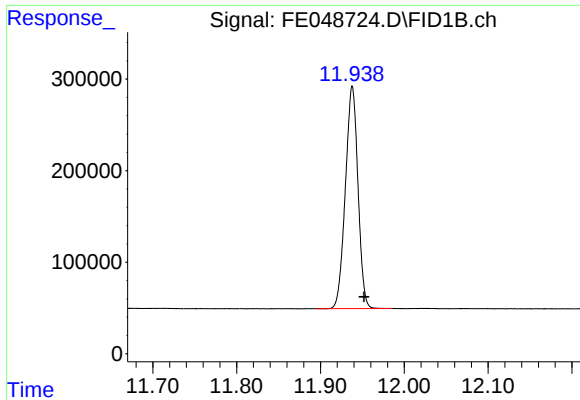
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: -0.014 min
Response: 2470034
Conc: 17.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.618 min
Delta R.T.: -0.013 min
Response: 2444200
Conc: 17.60 ug/ml



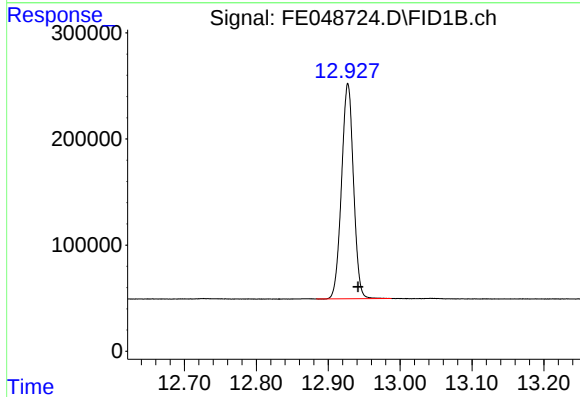
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.014 min
Response: 2536837
Conc: 17.67 ug/ml

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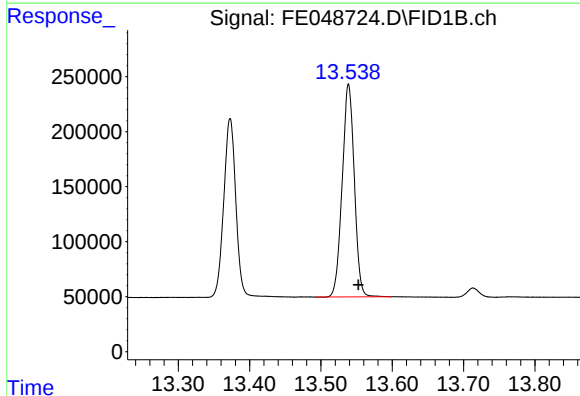
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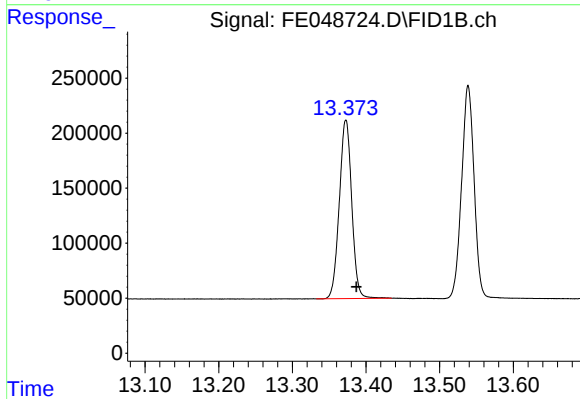
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: -0.014 min
Response: 2341657
Conc: 17.69 ug/ml



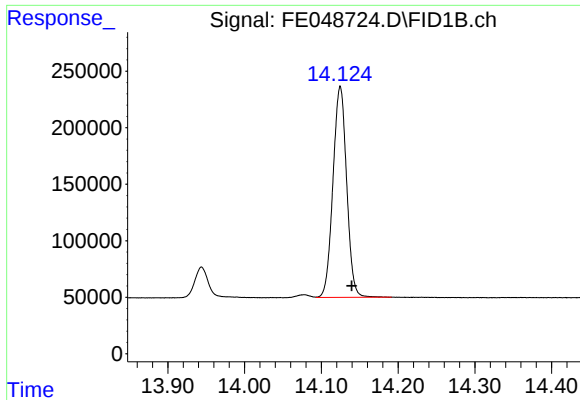
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.014 min
Response: 2282883
Conc: 17.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.014 min
Response: 1902801
Conc: 17.47 ug/ml



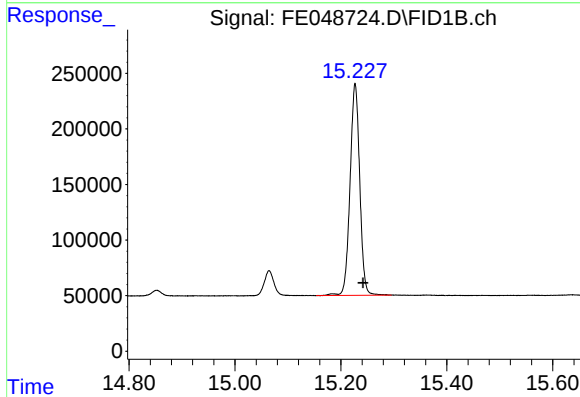
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: -0.015 min
Response: 2311355
Conc: 17.94 ug/ml

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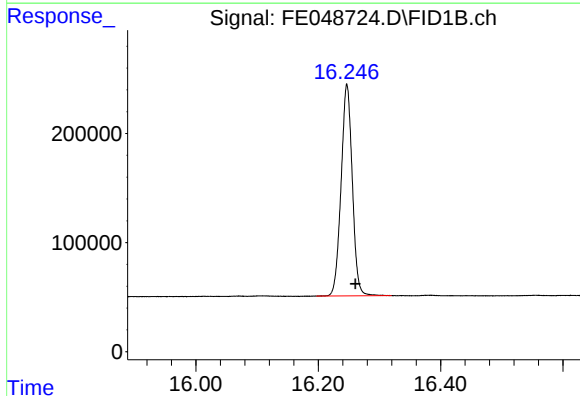
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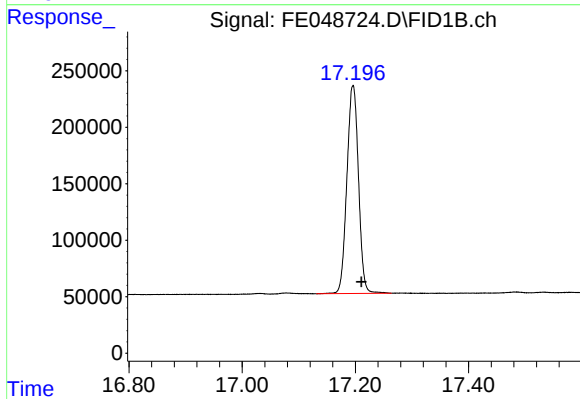
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: -0.015 min
Response: 2413670
Conc: 18.63 ug/ml



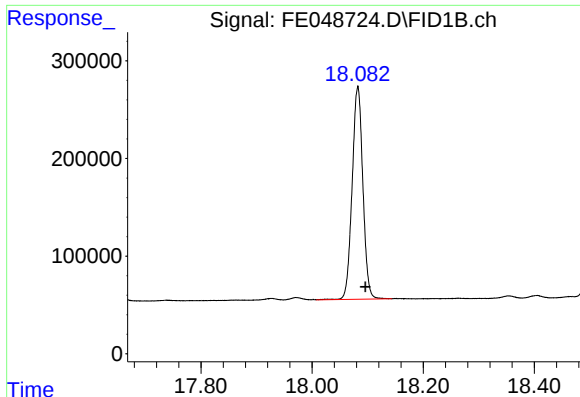
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.014 min
Response: 2466483
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.014 min
Response: 2616490
Conc: 20.24 ug/ml



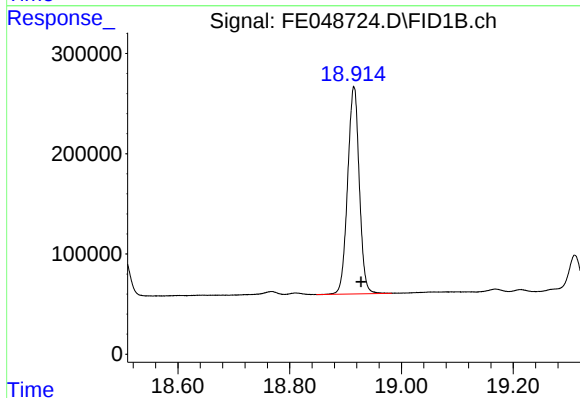
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.014 min
Response: 2913493
Conc: 21.75 ug/ml

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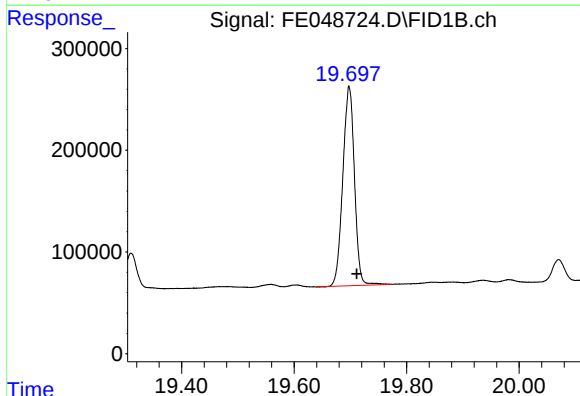
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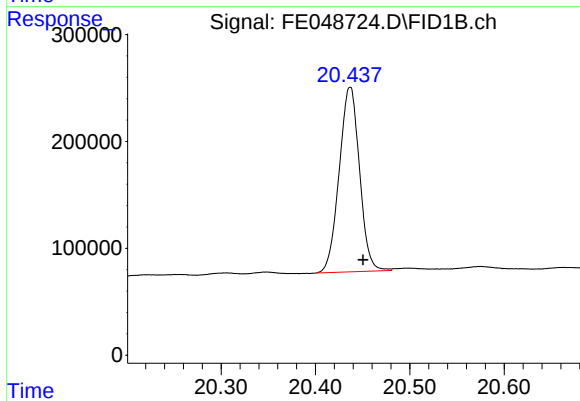
#18 n-Dotriacontane (C32)

R.T.: 18.915 min
Delta R.T.: -0.013 min
Response: 2990500
Conc: 22.03 ug/ml



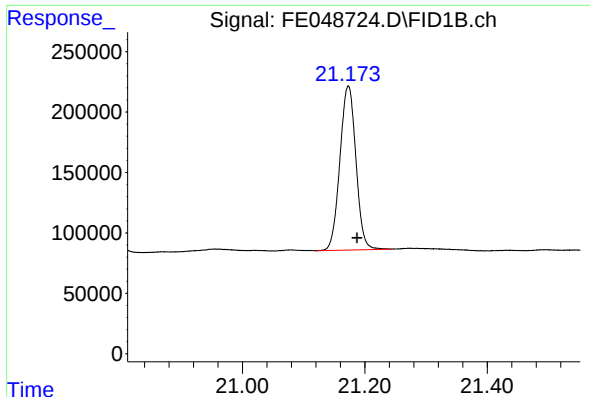
#19 n-Tetratriacontane (C34)

R.T.: 19.698 min
Delta R.T.: -0.013 min
Response: 2813002
Conc: 20.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: -0.014 min
Response: 2586174
Conc: 19.03 ug/ml



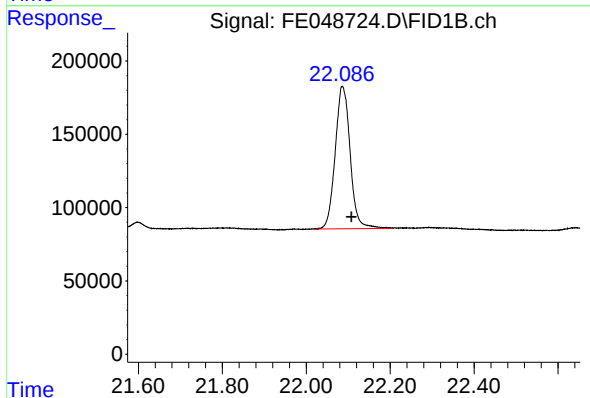
#21 n-Octatriacontane (C38)

R.T.: 21.173 min
Delta R.T.: -0.015 min
Response: 2463715
Conc: 18.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.086 min
Delta R.T.: -0.022 min
Response: 2405562
Conc: 17.57 ug/ml m