

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060525AL\
 Data File : FG015954.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 01:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 02:17:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 2025
 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)	11.874	2868369	19.265 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	13.318	2229919	19.357 ug/ml
Spiked Amount 50.000		Recovery =	38.71%
Target Compounds			
1) T n-Nonane (C9)	3.221	2055642	18.322 ug/ml
2) T n-Decane (C10)	4.481	2094416	18.511 ug/ml
3) T A~Naphthalene (C11.7)	6.196	2199036	18.810 ug/ml
4) T n-Dodecane (C12)	6.662	2192729	19.029 ug/ml
5) T A~2-methylnaphthalene...	7.299	2137842	18.717 ug/ml
6) T n-Tetradecane (C14)	8.498	2212801	19.211 ug/ml
7) T n-Hexadecane (C16)	10.111	2291111	19.372 ug/ml
8) T n-Octadecane (C18)	11.559	2376986	19.555 ug/ml
10) T n-Eicosane (C20)	12.872	2406068	19.633 ug/ml
11) T n-Heneicosane (C21)	13.486	2387743	19.494 ug/ml
13) T n-Docosane (C22)	14.074	2435380	19.989 ug/ml
14) T n-Tetracosane (C24)	15.180	2510699	20.728 ug/mlm
15) T n-Hexacosane (C26)	16.205	2517265	21.028 ug/ml
16) T n-Octacosane (C28)	17.156	2512002	21.304 ug/ml
17) T n-Tricontane (C30)	18.046	2510739	21.129 ug/ml
18) T n-Dotriacontane (C32)	18.880	2482285	21.015 ug/ml
19) T n-Tetratriacontane (C34)	19.665	2277935	20.399 ug/mlm
20) T n-Hexatriacontane (C36)	20.409	2193659	20.286 ug/mlm
21) T n-Octatriacontane (C38)	21.143	2100270	20.219 ug/mlm
22) T n-Tetracontane (C40)	22.050	2089052	20.485 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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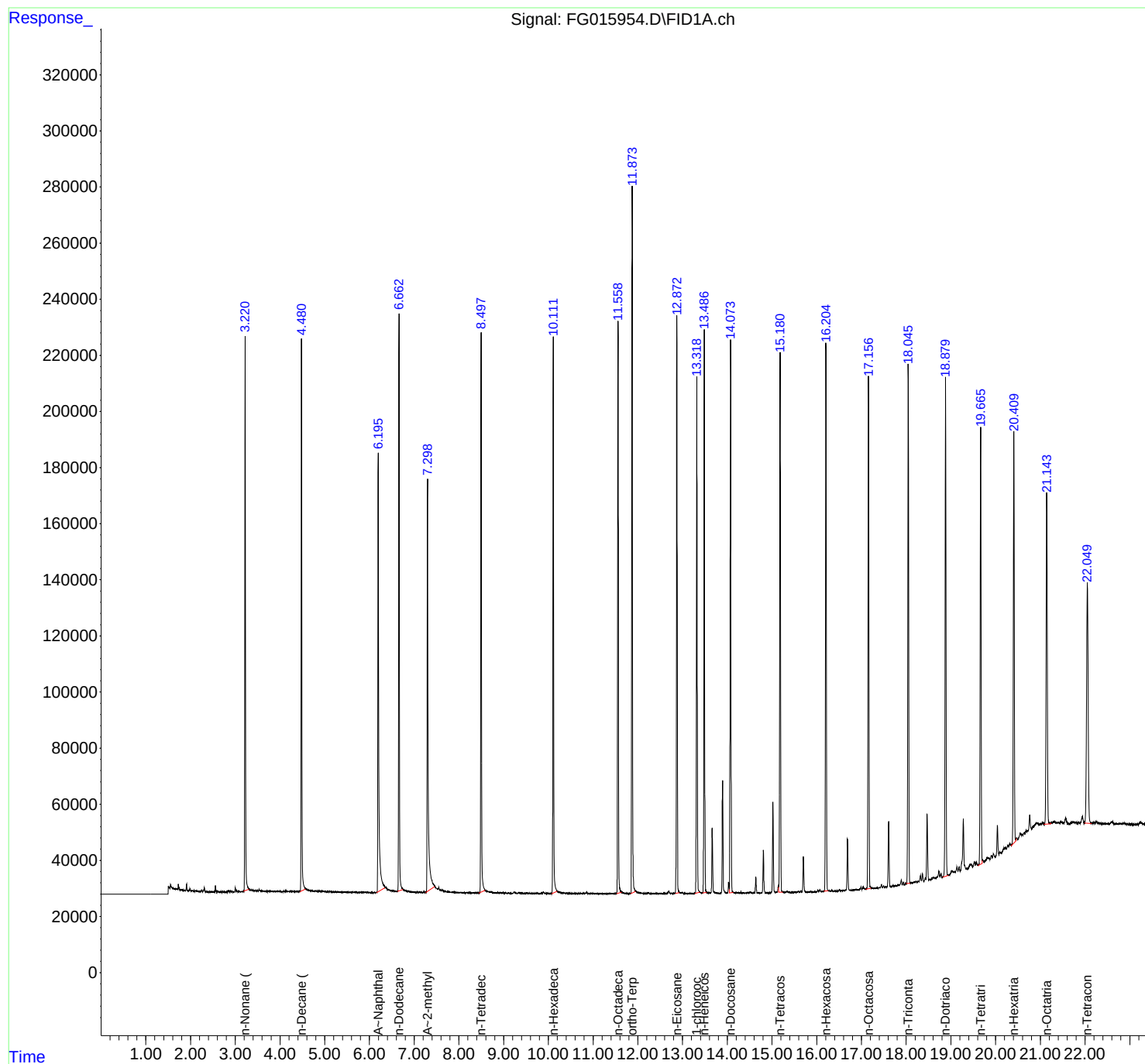
Instrument :
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20 PPM ALIPHATIC HC STD

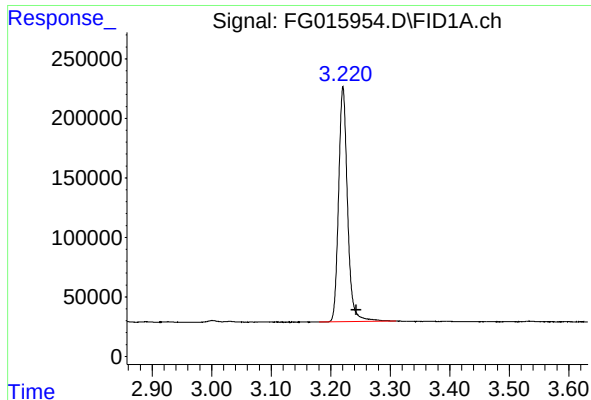
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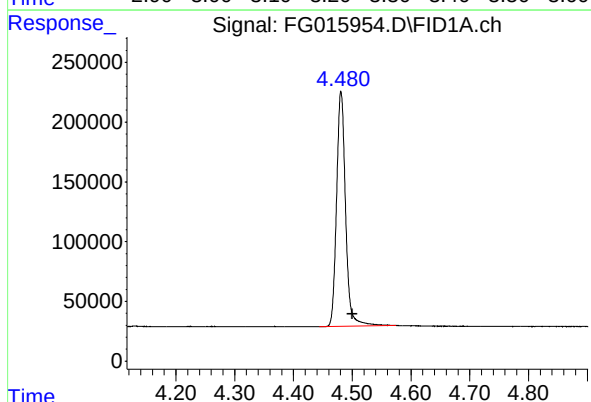
#1 n-Nonane (C9)

R.T.: 3.221 min
Delta R.T.: -0.022 min
Response: 2055642
Conc: 18.32 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD

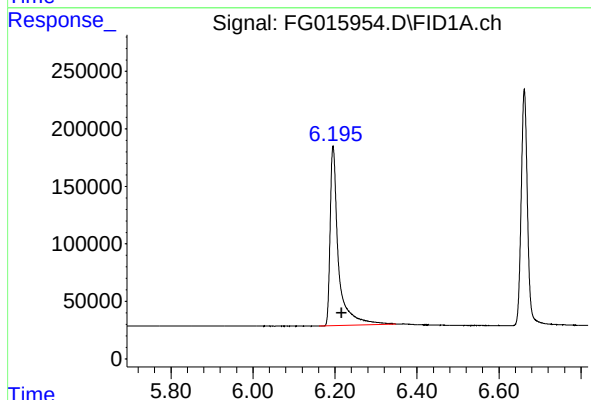
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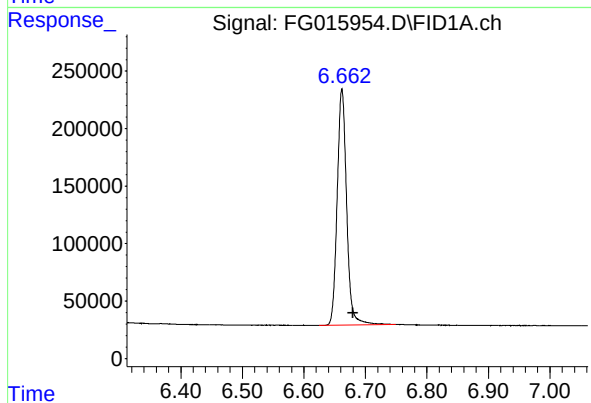
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.019 min
Response: 2094416
Conc: 18.51 ug/ml



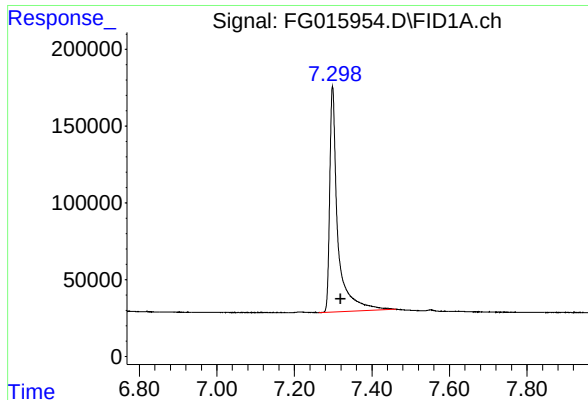
#3 A~Naphthalene (C11.7)

R.T.: 6.196 min
Delta R.T.: -0.021 min
Response: 2199036
Conc: 18.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.662 min
Delta R.T.: -0.018 min
Response: 2192729
Conc: 19.03 ug/ml



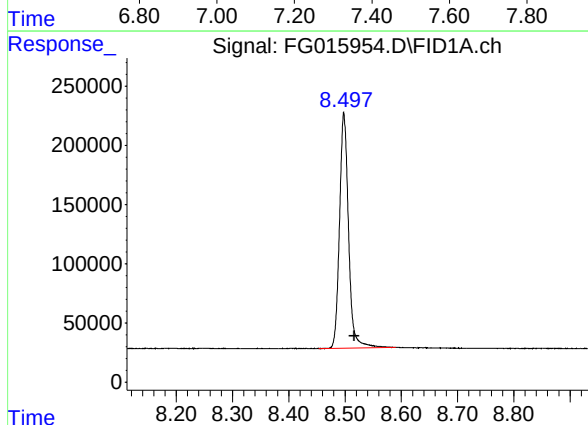
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: -0.021 min
Response: 2137842
Conc: 18.72 ug/ml

Instrument :
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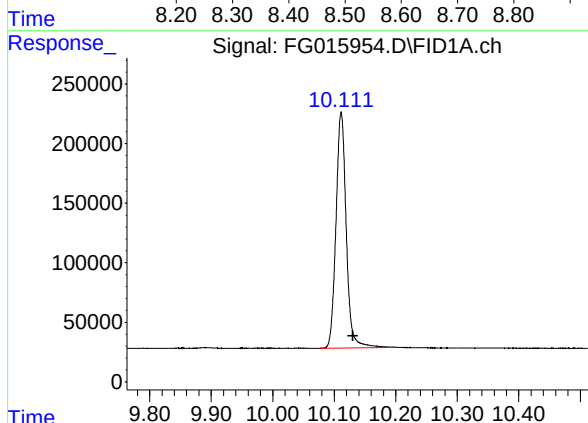
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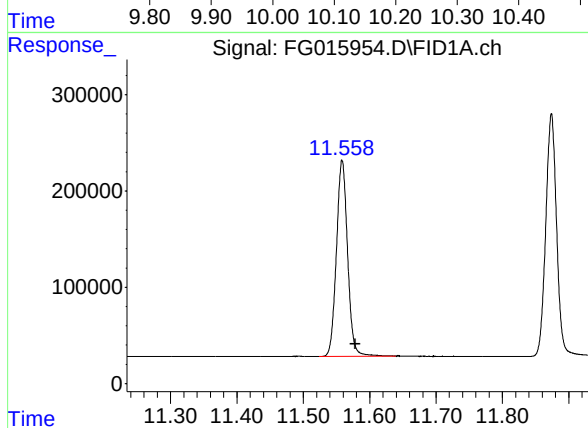
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.018 min
Response: 2212801
Conc: 19.21 ug/ml



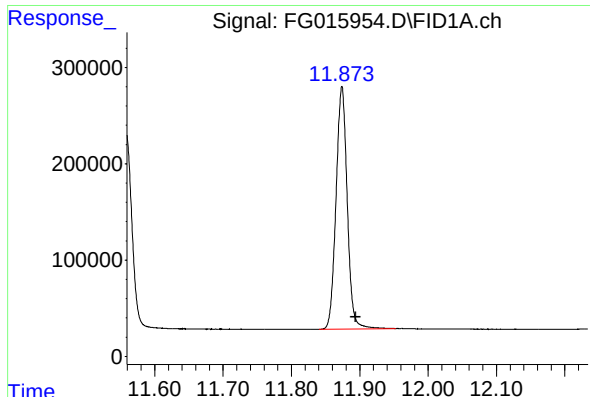
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: -0.019 min
Response: 2291111
Conc: 19.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.559 min
Delta R.T.: -0.020 min
Response: 2376986
Conc: 19.55 ug/ml



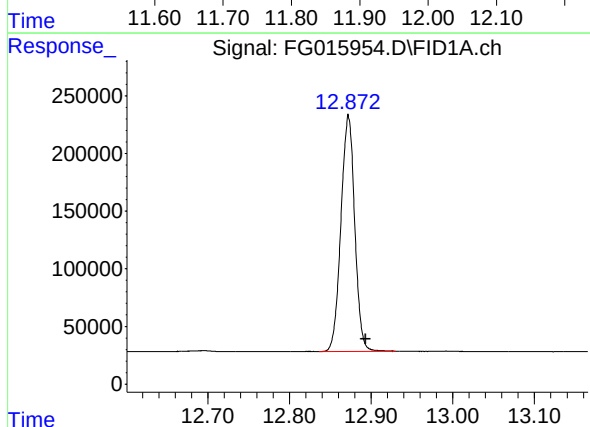
#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.020 min
Response: 2868369
Conc: 19.27 ug/ml

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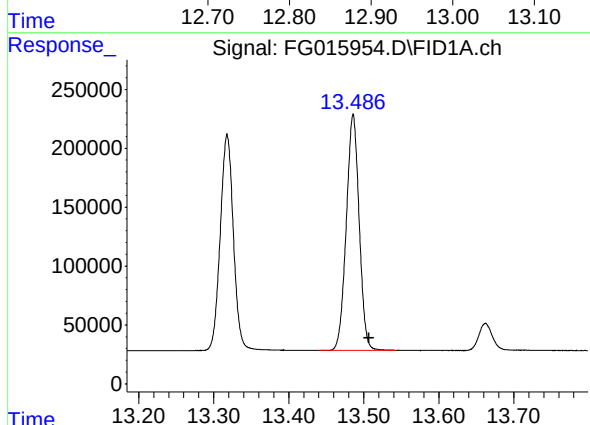
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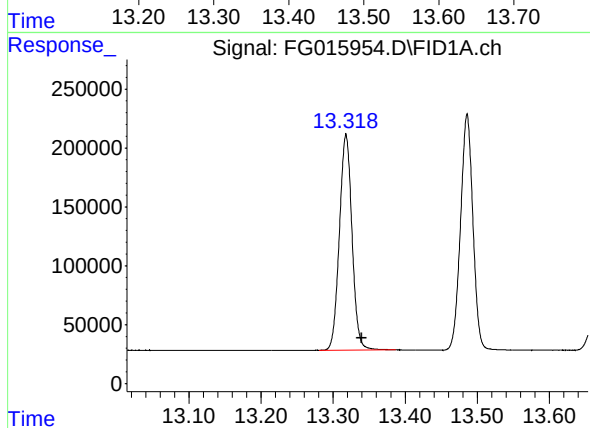
#10 n-Eicosane (C20)

R.T.: 12.872 min
Delta R.T.: -0.021 min
Response: 2406068
Conc: 19.63 ug/ml



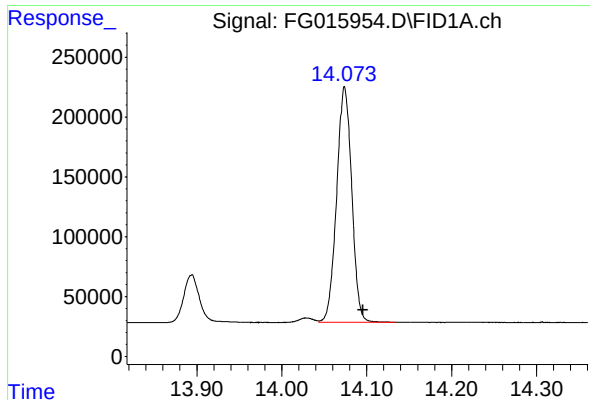
#11 n-Heneicosane (C21)

R.T.: 13.486 min
Delta R.T.: -0.021 min
Response: 2387743
Conc: 19.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.022 min
Response: 2229919
Conc: 19.36 ug/ml



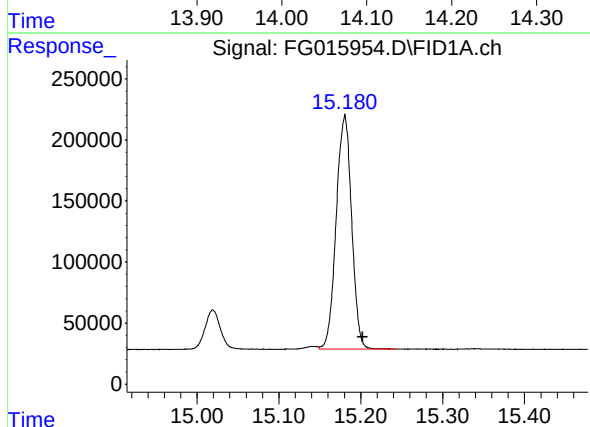
#13 n-Docosane (C22)

R.T.: 14.074 min
Delta R.T.: -0.022 min
Response: 2435380
Conc: 19.99 ug/ml

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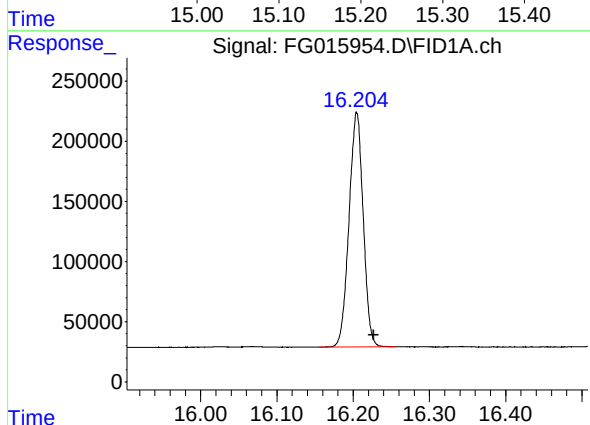
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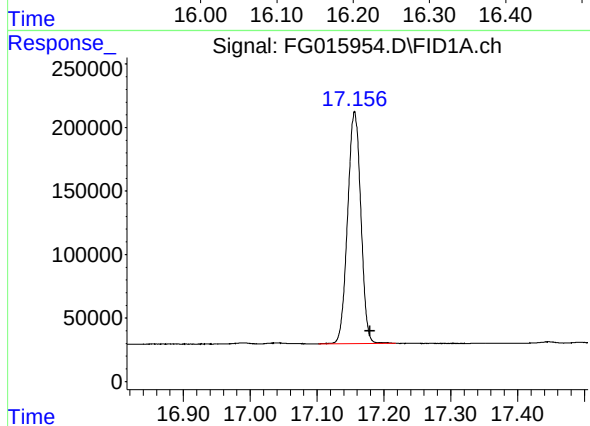
#14 n-Tetracosane (C24)

R.T.: 15.180 min
Delta R.T.: -0.022 min
Response: 2510699
Conc: 20.73 ug/ml



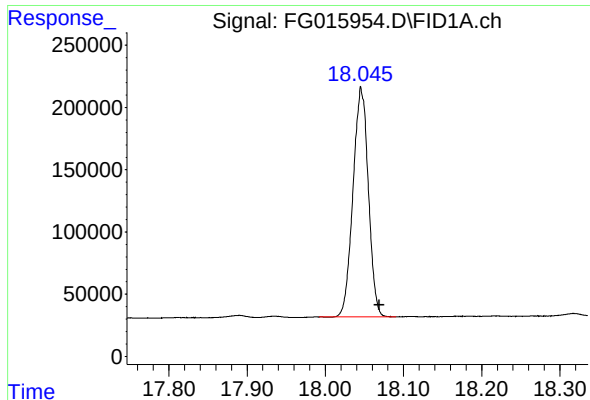
#15 n-Hexacosane (C26)

R.T.: 16.205 min
Delta R.T.: -0.022 min
Response: 2517265
Conc: 21.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.156 min
Delta R.T.: -0.023 min
Response: 2512002
Conc: 21.30 ug/ml



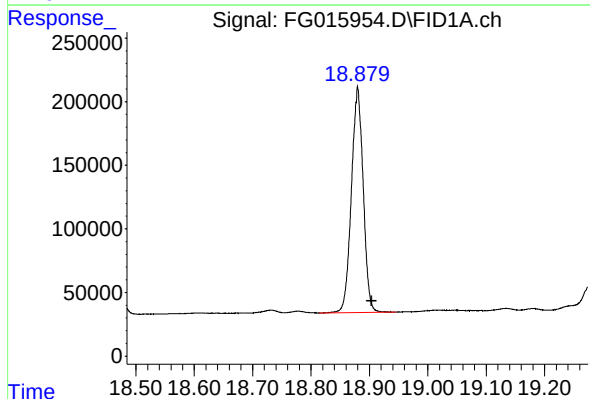
#17 n-Tricontane (C30)

R.T.: 18.046 min
Delta R.T.: -0.023 min
Response: 2510739
Conc: 21.13 ug/ml

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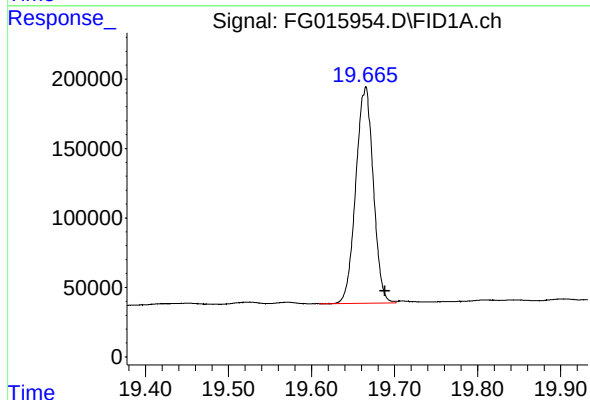
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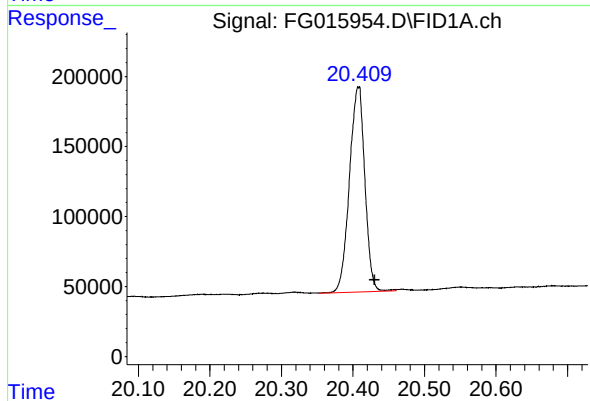
#18 n-Dotriacontane (C32)

R.T.: 18.880 min
Delta R.T.: -0.024 min
Response: 2482285
Conc: 21.02 ug/ml



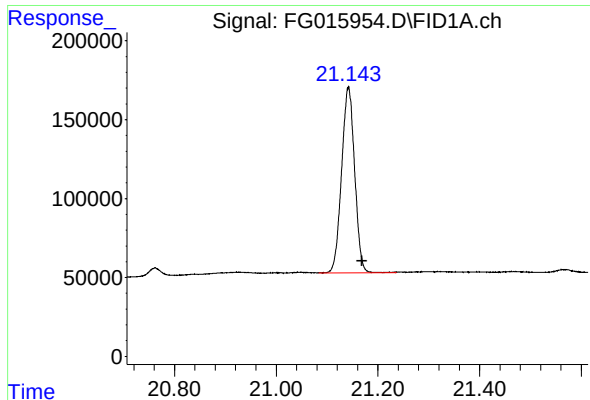
#19 n-Tetatriacontane (C34)

R.T.: 19.665 min
Delta R.T.: -0.024 min
Response: 2277935
Conc: 20.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.409 min
Delta R.T.: -0.021 min
Response: 2193659
Conc: 20.29 ug/ml m



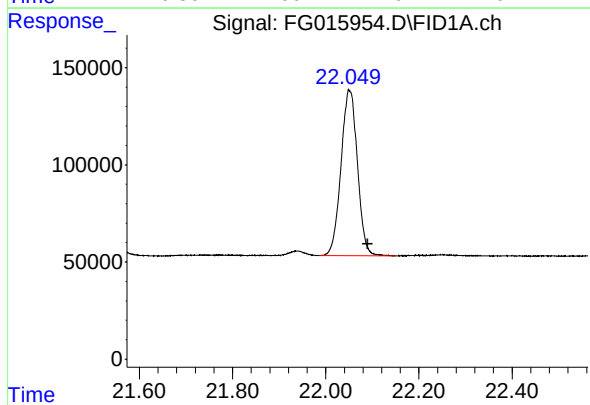
#21 n-Octatriacontane (C38)

R.T.: 21.143 min
Delta R.T.: -0.026 min
Response: 2100270
Conc: 20.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.050 min
Delta R.T.: -0.040 min
Response: 2089052
Conc: 20.49 ug/ml