

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE110123AL\  
 Data File : FE045147.D  
 Signal(s) : FID1B.ch  
 Acq On : 01 Nov 2023 20:51  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023  
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e  
 Quant Time: Nov 02 00:15:20 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101223.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 12 06:15:32 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    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.892 | 3693468    | 18.424 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.85%        |
| 12) S 1-chlorooctadecane (S... | 13.335 | 2674723    | 18.074 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.15%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.277  | 3232796    | 19.271 ug/ml  |
| 2) T n-Decane (C10)            | 4.528  | 3280819    | 19.259 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.229  | 3520672    | 19.019 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.694  | 3297219    | 19.101 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.325  | 3376997    | 18.720 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.521  | 3225784    | 18.812 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.132 | 3238130    | 18.517 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.578 | 3198811    | 18.340 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.889 | 3038208    | 18.190 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.503 | 2955488    | 18.130 ug/ml  |
| 13) T n-Docosane (C22)         | 14.090 | 2908788    | 18.185 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.195 | 2859734    | 18.427 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.218 | 2788682    | 18.574 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.171 | 2764163    | 18.824 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.061 | 2816682    | 18.938 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.895 | 2861895    | 19.067 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.682 | 2853478    | 19.168 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.423 | 2961234    | 19.261 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.162 | 2999487    | 19.202 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.080 | 3331269    | 19.933 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

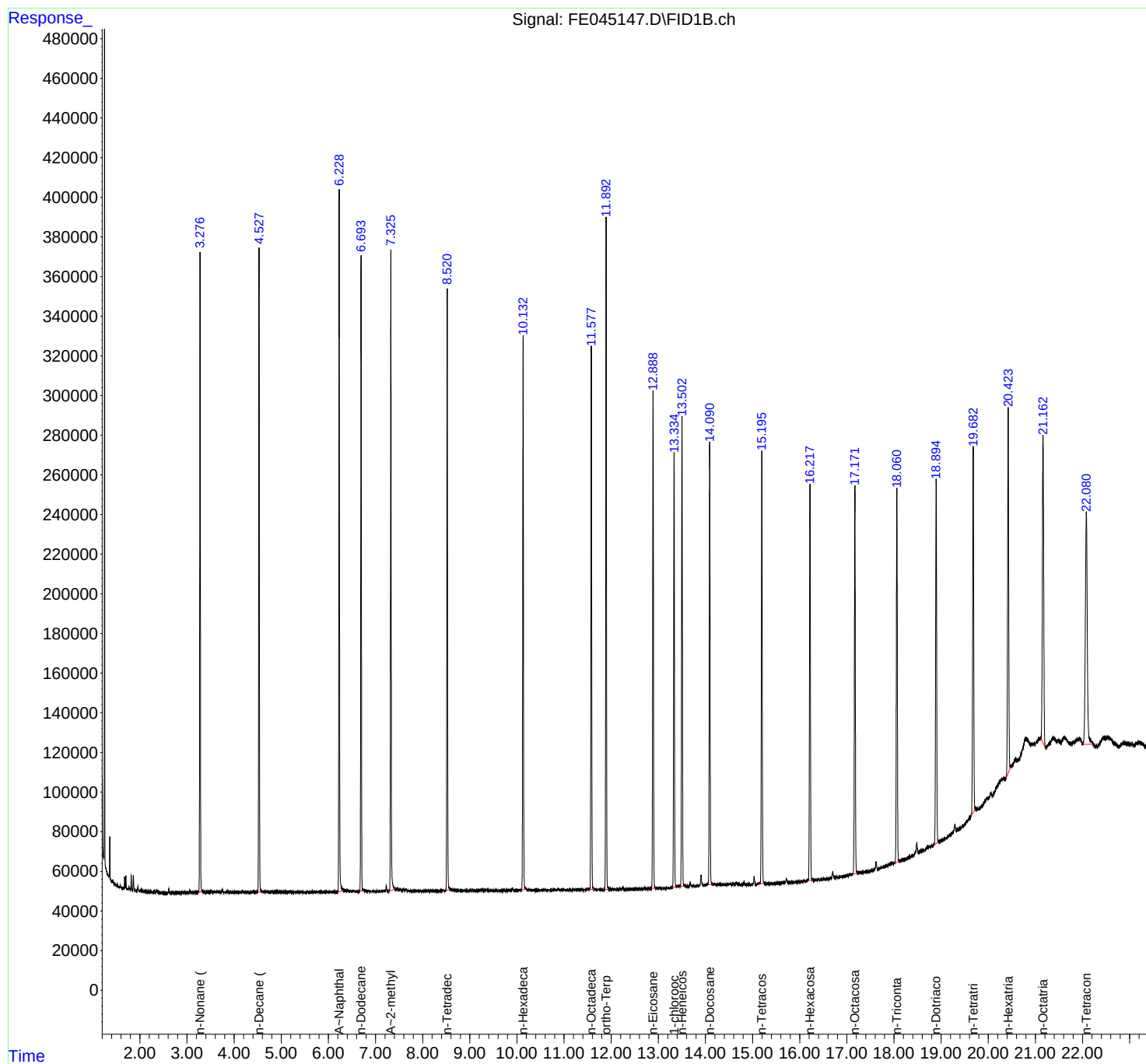
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

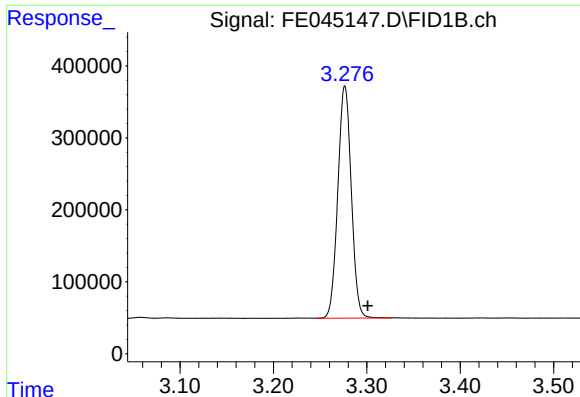
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Quant Time: Nov 02 00:15:20 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101223.M  
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QLast Update : Thu Oct 12 06:15:32 2023  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





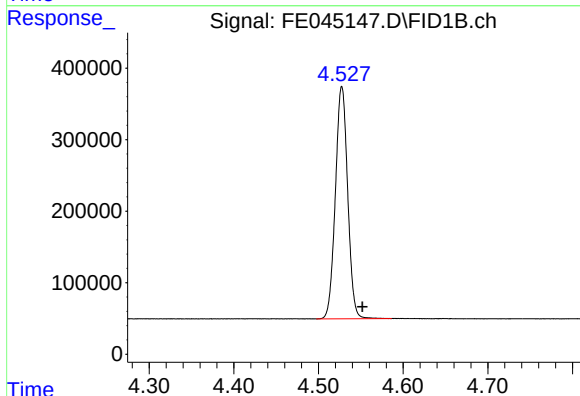
#1 n-Nonane (C9)

R.T.: 3.277 min  
Delta R.T.: -0.024 min  
Response: 3232796  
Conc: 19.27 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

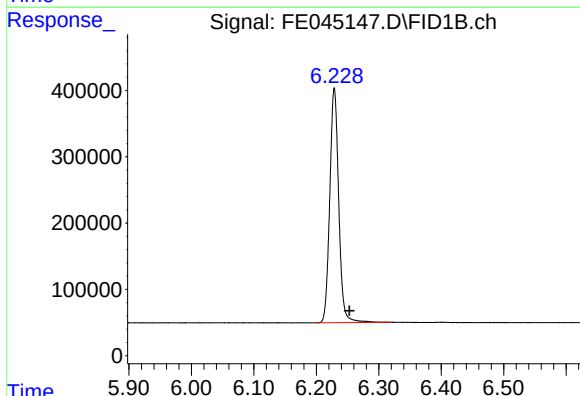
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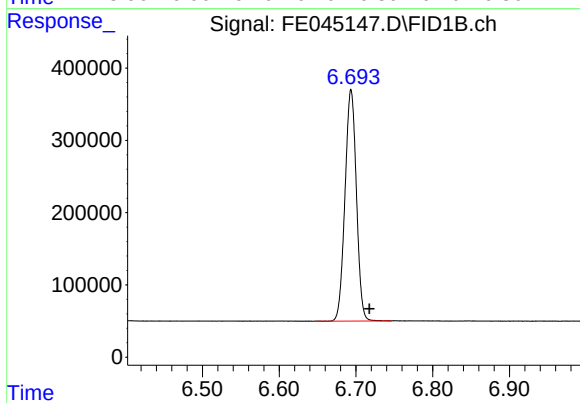
#2 n-Decane (C10)

R.T.: 4.528 min  
Delta R.T.: -0.024 min  
Response: 3280819  
Conc: 19.26 ug/ml



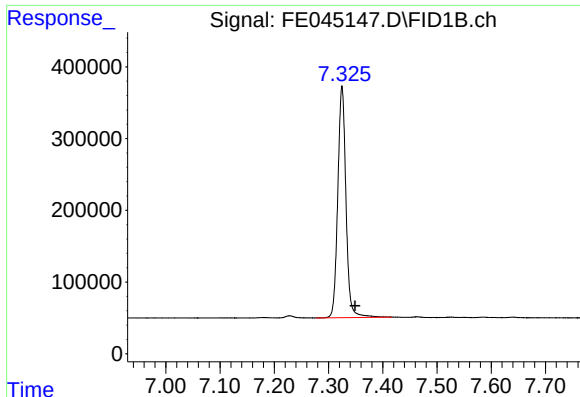
#3 A~Naphthalene (C11.7)

R.T.: 6.229 min  
Delta R.T.: -0.024 min  
Response: 3520672  
Conc: 19.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.694 min  
Delta R.T.: -0.024 min  
Response: 3297219  
Conc: 19.10 ug/ml



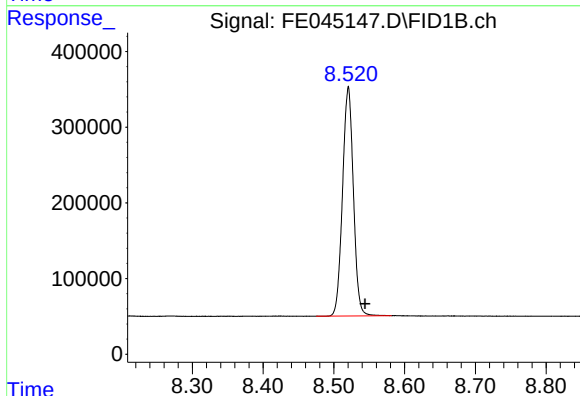
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.325 min  
Delta R.T.: -0.024 min  
Response: 3376997  
Conc: 18.72 ug/ml

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20 PPM ALIPHATIC HC STD

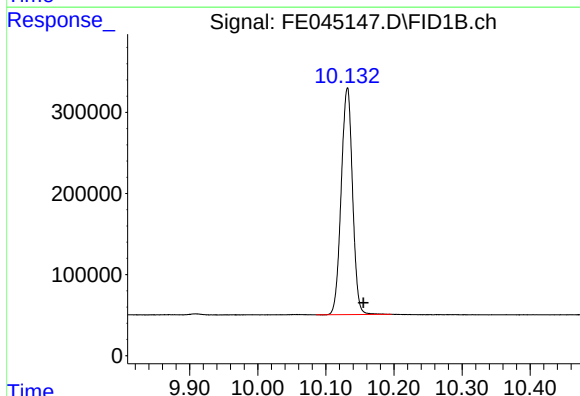
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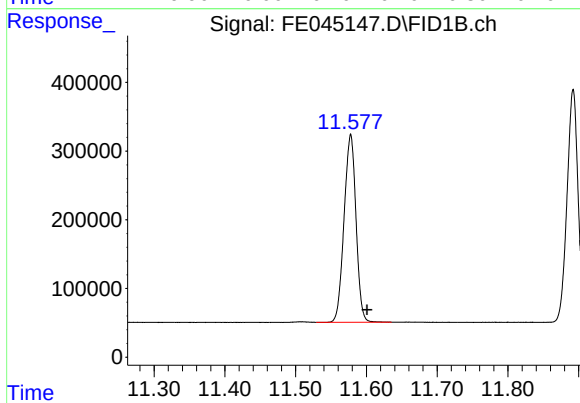
#6 n-Tetradecane (C14)

R.T.: 8.521 min  
Delta R.T.: -0.024 min  
Response: 3225784  
Conc: 18.81 ug/ml



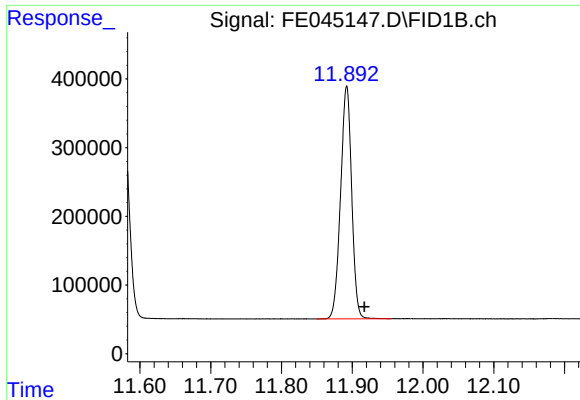
#7 n-Hexadecane (C16)

R.T.: 10.132 min  
Delta R.T.: -0.024 min  
Response: 3238130  
Conc: 18.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.578 min  
Delta R.T.: -0.023 min  
Response: 3198811  
Conc: 18.34 ug/ml



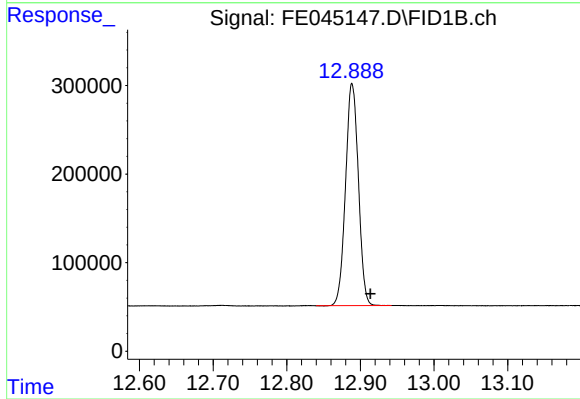
#9 ortho-Terphenyl (SURR)

R.T.: 11.892 min  
Delta R.T.: -0.025 min  
Response: 3693468  
Conc: 18.42 ug/ml

Instrument :  
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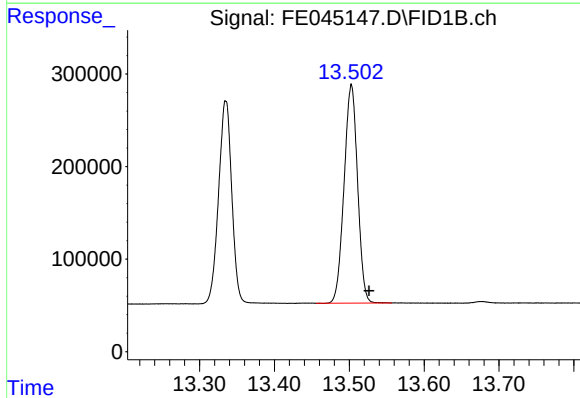
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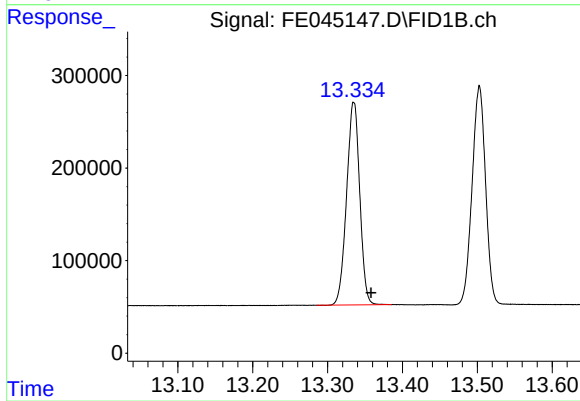
#10 n-Eicosane (C20)

R.T.: 12.889 min  
Delta R.T.: -0.025 min  
Response: 3038208  
Conc: 18.19 ug/ml



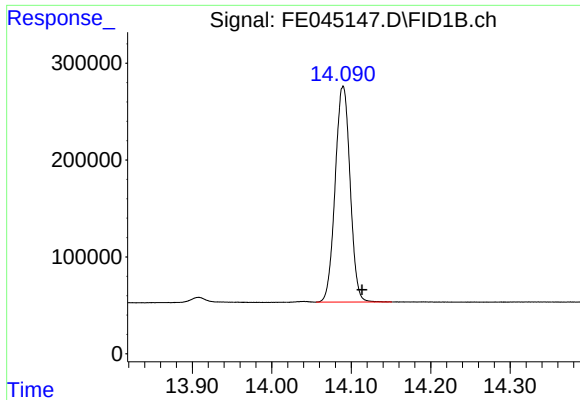
#11 n-Heneicosane (C21)

R.T.: 13.503 min  
Delta R.T.: -0.024 min  
Response: 2955488  
Conc: 18.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.335 min  
Delta R.T.: -0.023 min  
Response: 2674723  
Conc: 18.07 ug/ml



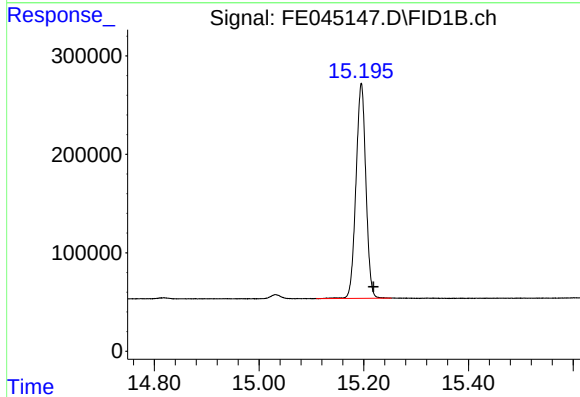
#13 n-Docosane (C22)

R.T.: 14.090 min  
Delta R.T.: -0.024 min  
Response: 2908788  
Conc: 18.19 ug/ml

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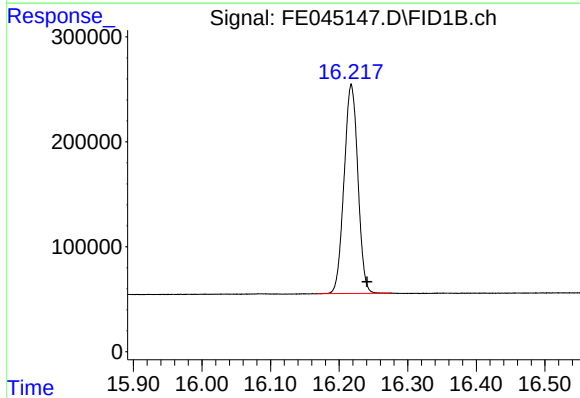
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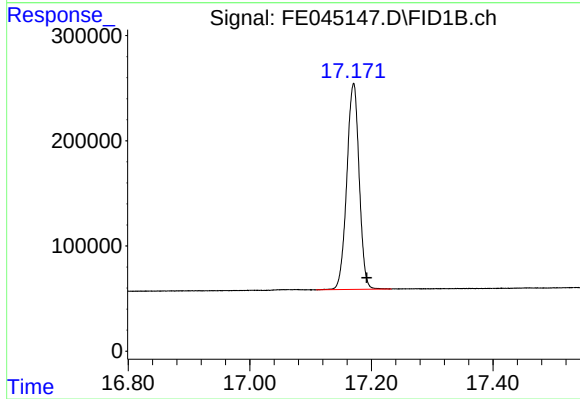
#14 n-Tetracosane (C24)

R.T.: 15.195 min  
Delta R.T.: -0.023 min  
Response: 2859734  
Conc: 18.43 ug/ml



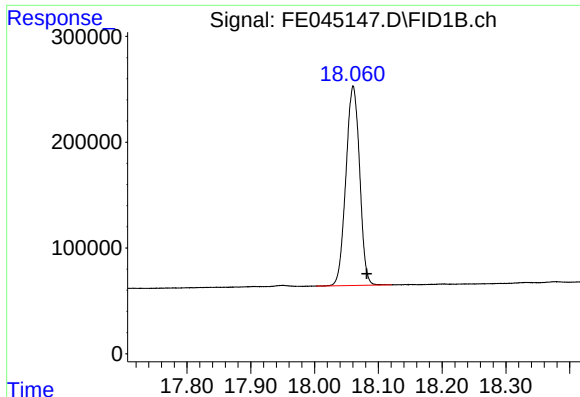
#15 n-Hexacosane (C26)

R.T.: 16.218 min  
Delta R.T.: -0.023 min  
Response: 2788682  
Conc: 18.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.171 min  
Delta R.T.: -0.022 min  
Response: 2764163  
Conc: 18.82 ug/ml



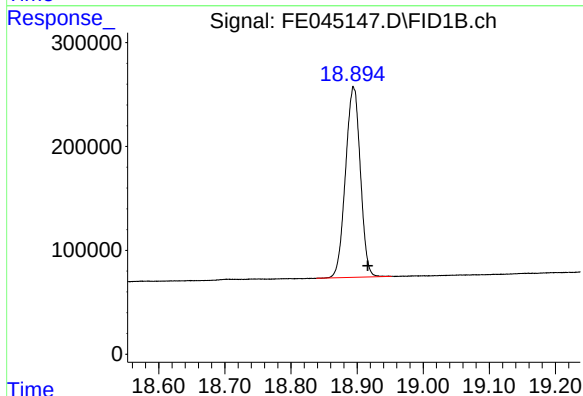
#17 n-Tricontane (C30)

R.T.: 18.061 min  
Delta R.T.: -0.021 min  
Response: 2816682  
Conc: 18.94 ug/ml

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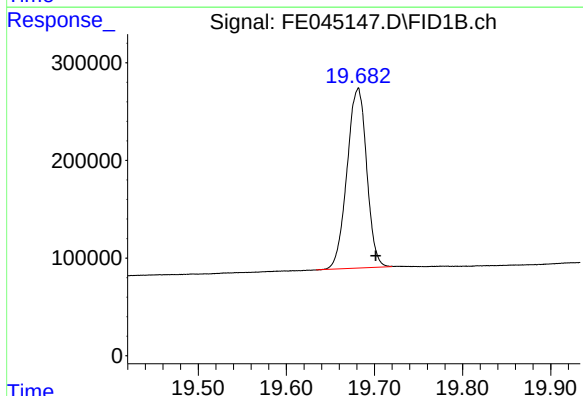
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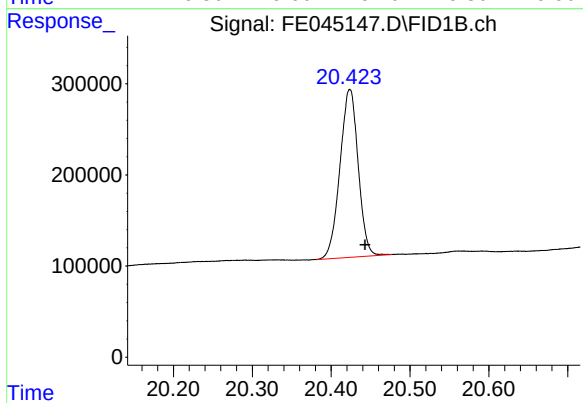
#18 n-Dotriacontane (C32)

R.T.: 18.895 min  
Delta R.T.: -0.021 min  
Response: 2861895  
Conc: 19.07 ug/ml



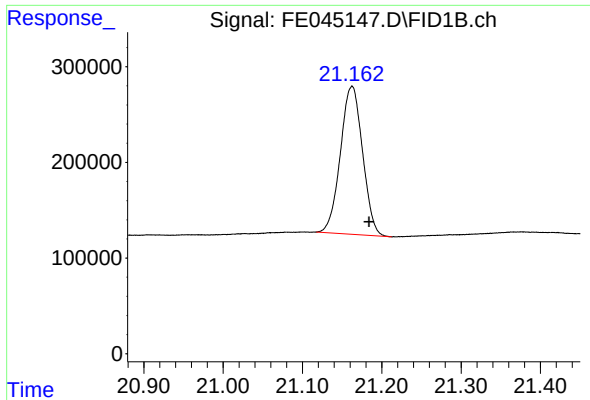
#19 n-Tetratriacontane (C34)

R.T.: 19.682 min  
Delta R.T.: -0.020 min  
Response: 2853478  
Conc: 19.17 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min  
Delta R.T.: -0.020 min  
Response: 2961234  
Conc: 19.26 ug/ml m



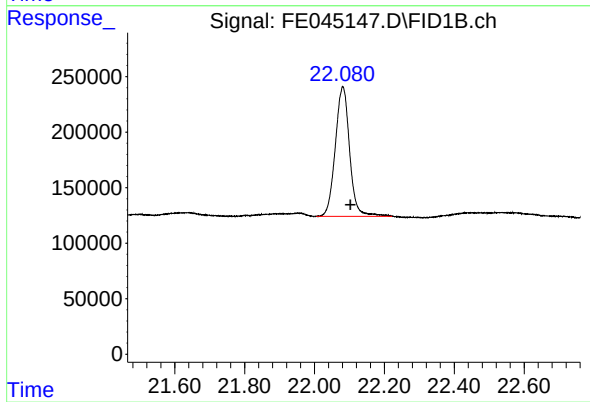
#21 n-Octatriacontane (C38)

R.T.: 21.162 min  
Delta R.T.: -0.022 min  
Response: 2999487  
Conc: 19.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.080 min  
Delta R.T.: -0.023 min  
Response: 3331269  
Conc: 19.93 ug/ml m