

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015525.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 20:51  
 Operator : YP\AJ  
 Sample : PB167245BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

**Instrument :**

FID\_G

**ClientSampleId :**

PB167245BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:01:31 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.969  | 5648771    | 46.243 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 92.49%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.847  | 3114618    | 37.681 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 75.36%        |
| 11) S ortho-Terphenyl (SURR)       | 11.920 | 6039287    | 41.414 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 82.83%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.558  | 4346715    | 32.710 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.237  | 5602010    | 41.464 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.339  | 5854855    | 43.892 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.647  | 7280657    | 51.406 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.949  | 7503069    | 54.994 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.742  | 7917131    | 56.711 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.153 | 8101741    | 57.507 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.230 | 8274318    | 60.466 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.982 | 8203379    | 57.525 ug/mlm |
| 13) T Pyrene (C20.8)               | 13.281 | 8167663    | 58.210 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.169 | 7904436    | 58.278 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.215 | 9013719    | 64.388 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.734 | 7466457    | 56.504 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.770 | 7877302    | 57.694 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.117 | 7258290    | 57.880 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.495 | 7164772    | 64.396 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.533 | 7239769    | 56.261 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.753 | 6889604    | 57.656 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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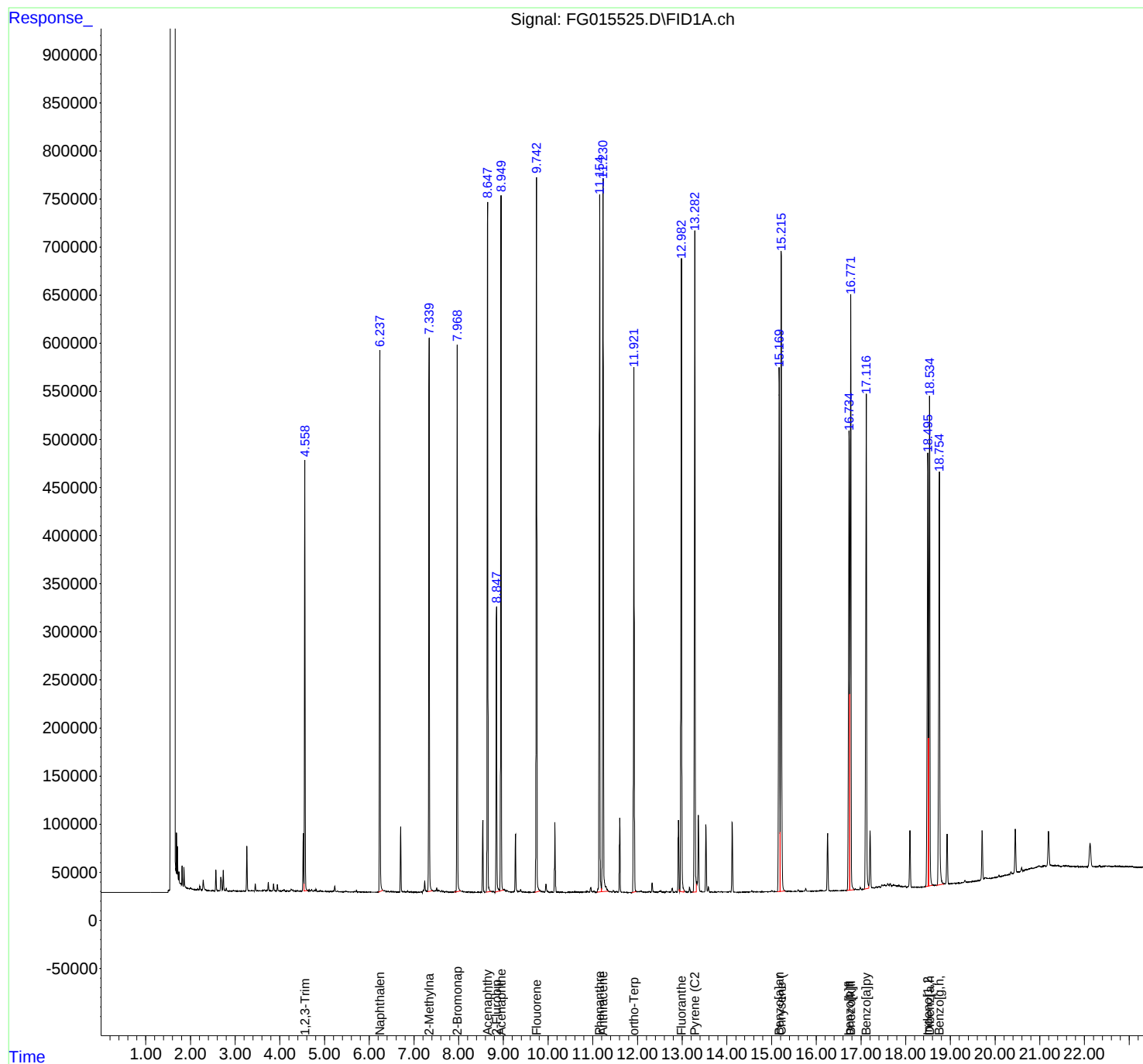
Response via : Initial Calibration

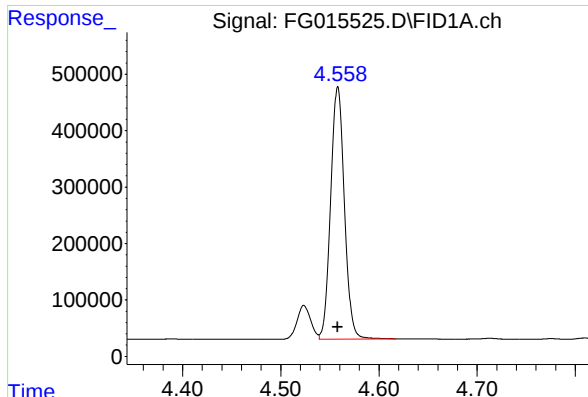
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





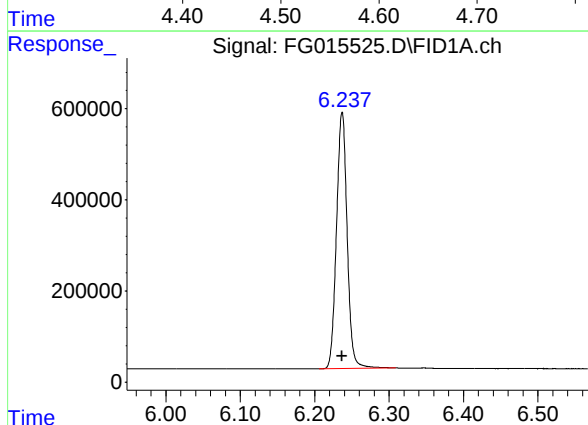
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.558 min  
Delta R.T.: 0.000 min  
Response: 4346715  
Conc: 32.71 ug/ml

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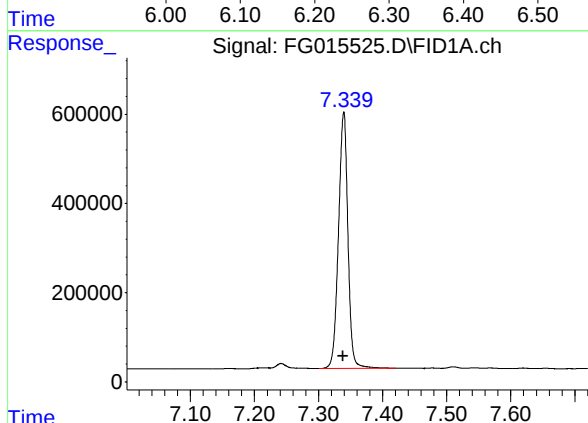
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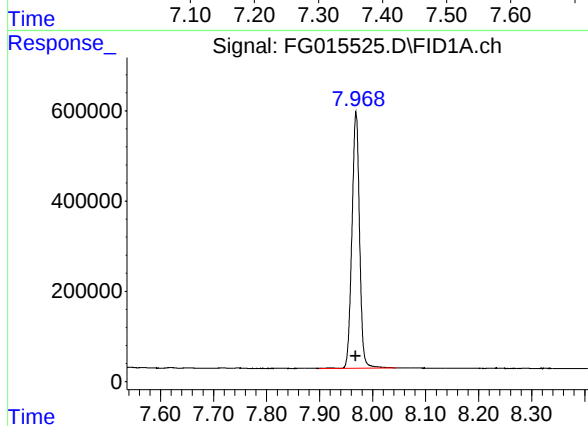
#2 Naphthalene (C11.7)

R.T.: 6.237 min  
Delta R.T.: 0.000 min  
Response: 5602010  
Conc: 41.46 ug/ml



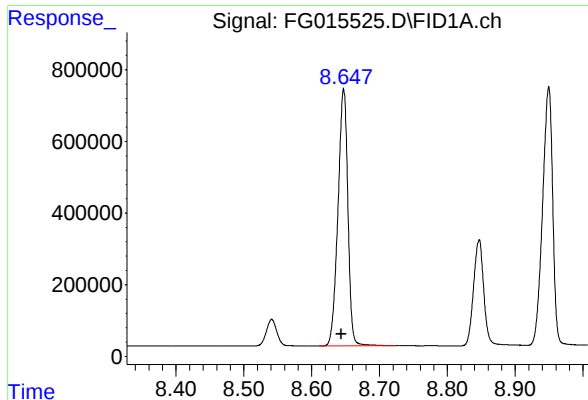
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.339 min  
Delta R.T.: 0.001 min  
Response: 5854855  
Conc: 43.89 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.969 min  
Delta R.T.: 0.000 min  
Response: 5648771  
Conc: 46.24 ug/ml



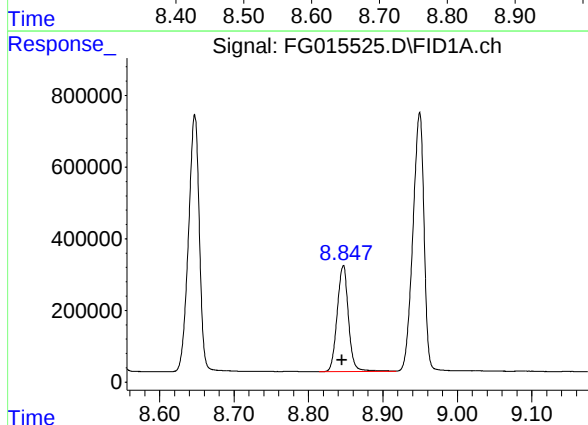
#5 Acenaphthylene (C15.06)

R.T.: 8.647 min  
Delta R.T.: 0.003 min  
Response: 7280657  
Conc: 51.41 ug/ml

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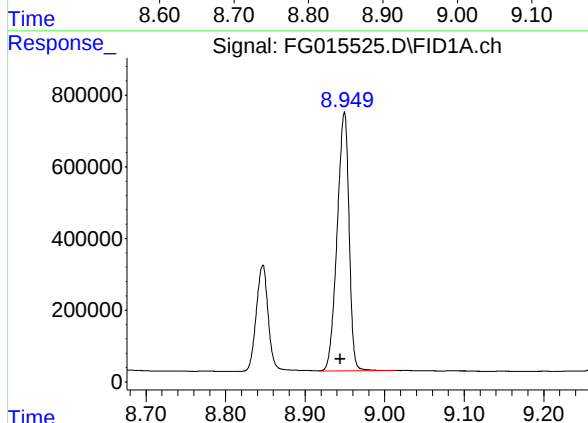
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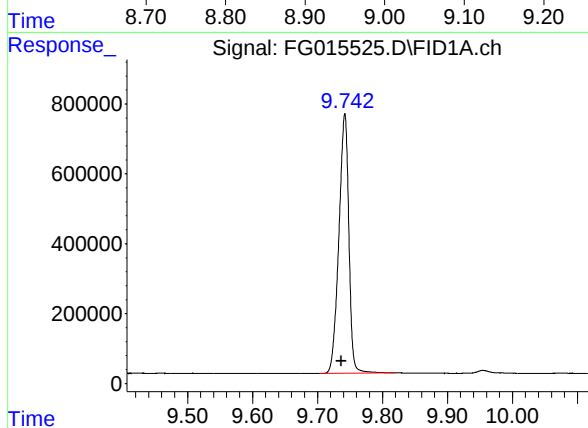
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.847 min  
Delta R.T.: 0.002 min  
Response: 3114618  
Conc: 37.68 ug/ml



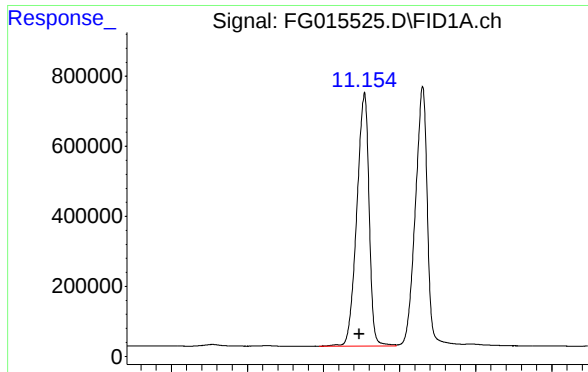
#7 Acenaphthene (C15.5)

R.T.: 8.949 min  
Delta R.T.: 0.005 min  
Response: 7503069  
Conc: 54.99 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.742 min  
Delta R.T.: 0.005 min  
Response: 7917131  
Conc: 56.71 ug/ml



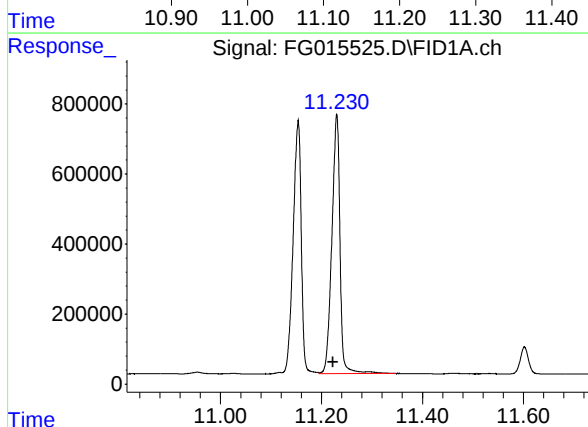
#9 Phenanthrene (C19.36)

R.T.: 11.153 min  
Delta R.T.: 0.006 min  
Response: 8101741  
Conc: 57.51 ug/ml

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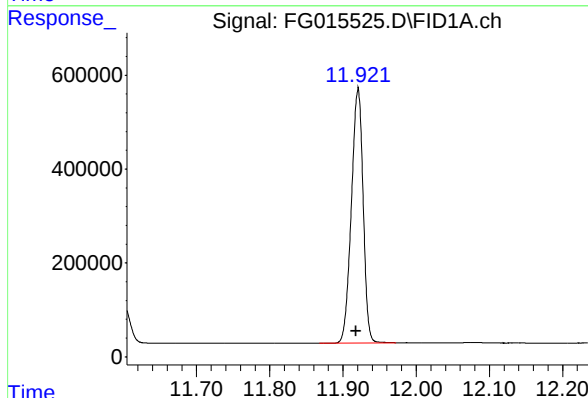
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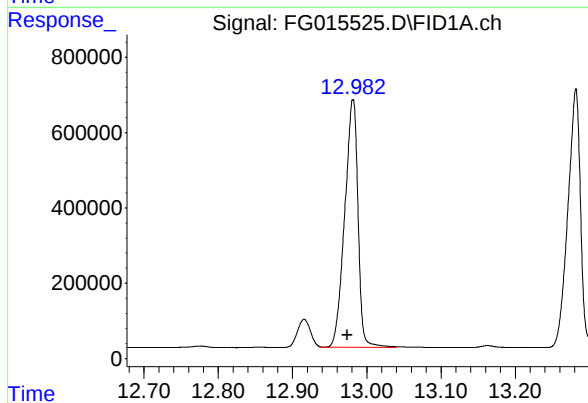
#10 Anthracene (C19.43)

R.T.: 11.230 min  
Delta R.T.: 0.007 min  
Response: 8274318  
Conc: 60.47 ug/ml



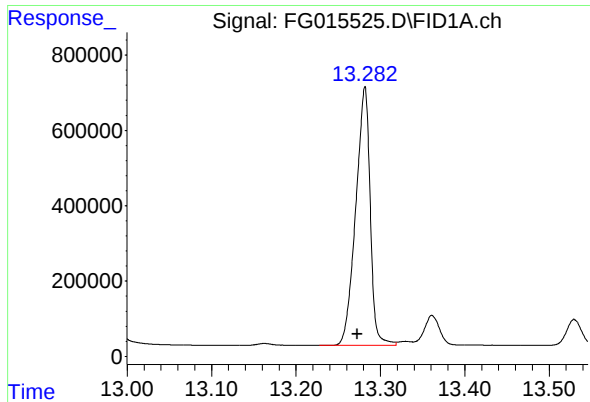
#11 ortho-Terphenyl (SURRE)

R.T.: 11.920 min  
Delta R.T.: 0.003 min  
Response: 6039287  
Conc: 41.41 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.982 min  
Delta R.T.: 0.008 min  
Response: 8203379  
Conc: 57.53 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.281 min  
Delta R.T.: 0.009 min  
Response: 8167663  
Conc: 58.21 ug/ml

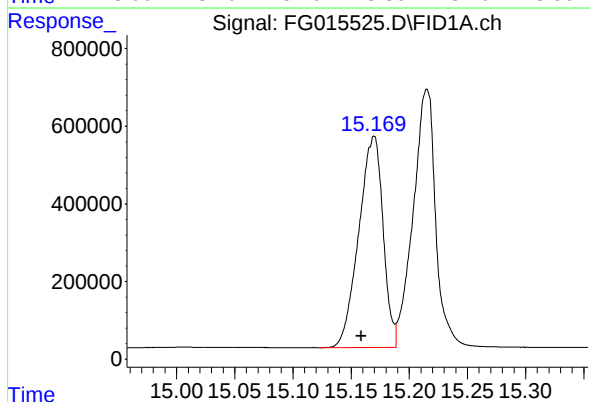
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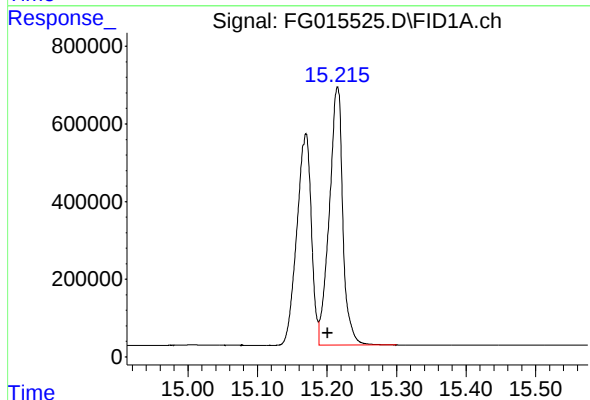
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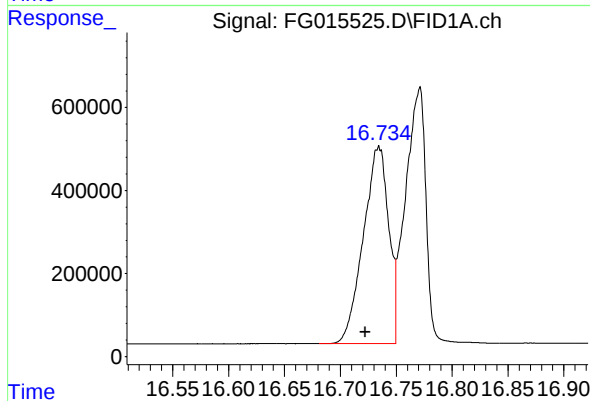
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min  
Delta R.T.: 0.010 min  
Response: 7904436  
Conc: 58.28 ug/ml



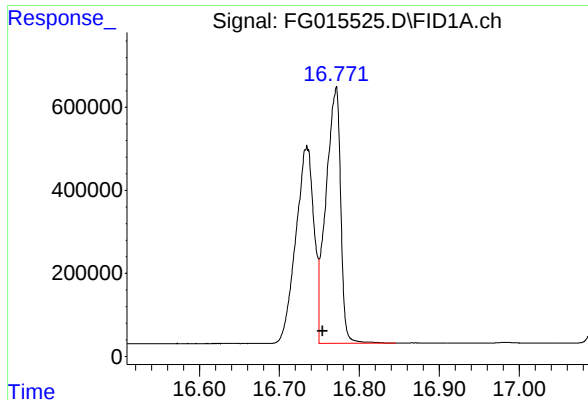
#15 Chrysene (C27.41)

R.T.: 15.215 min  
Delta R.T.: 0.014 min  
Response: 9013719  
Conc: 64.39 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.734 min  
Delta R.T.: 0.012 min  
Response: 7466457  
Conc: 56.50 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.770 min  
Delta R.T.: 0.016 min  
Response: 7877302  
Conc: 57.69 ug/ml

Instrument :

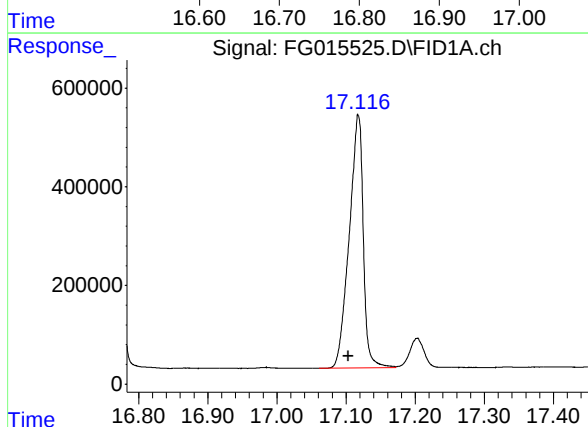
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ClientSampleId :

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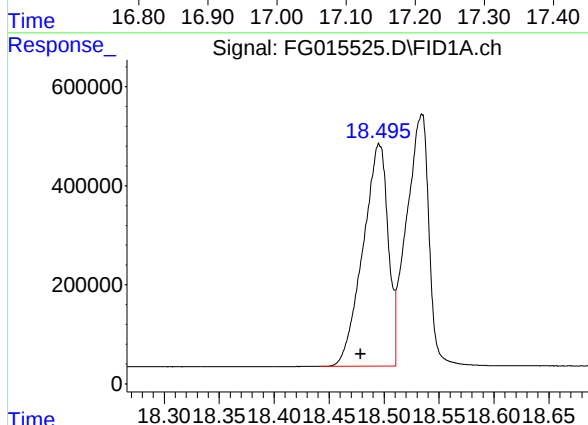
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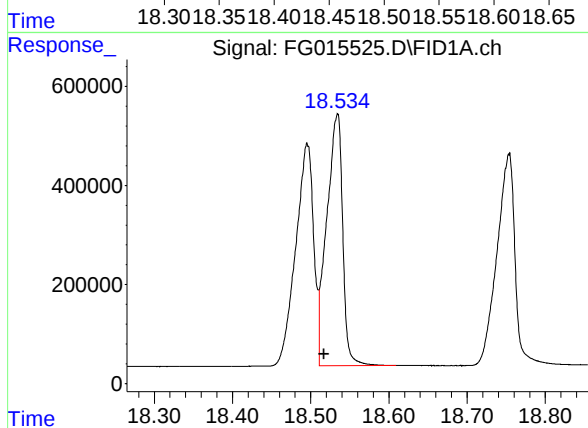
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.117 min  
Delta R.T.: 0.014 min  
Response: 7258290  
Conc: 57.88 ug/ml



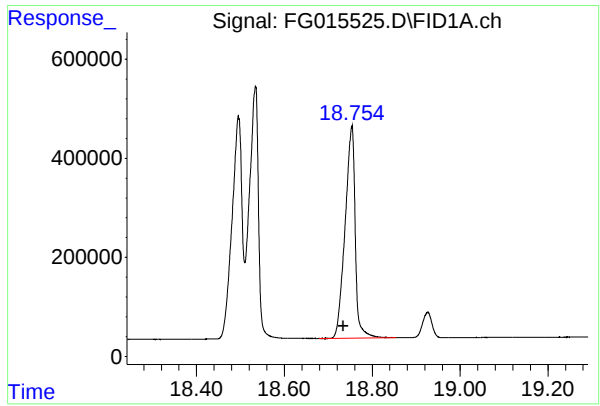
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.495 min  
Delta R.T.: 0.016 min  
Response: 7164772  
Conc: 64.40 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.533 min  
Delta R.T.: 0.017 min  
Response: 7239769  
Conc: 56.26 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.753 min  
Delta R.T.: 0.018 min  
Response: 6889604  
Conc: 57.66 ug/ml

Instrument :

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