

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015515.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:29
 Operator : YP\AJ
 Sample : PB167231BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167231BSD

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 01:07:02 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	7111822	58.220 ug/ml
Spiked Amount 50.000		Recovery =	116.44%
6) S 2-Fluorobiphenyl (SURR)	8.846	3730134	45.128 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	90.26%
11) S ortho-Terphenyl (SURR)	11.920	7173187	49.189 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	3738655	28.134 ug/ml
2) T Naphthalene (C11.7)	6.236	4819274	35.670 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	4844624	36.319 ug/ml
5) T Acenaphthylene (C15.06)	8.644	6090797	43.005 ug/ml
7) T Acenaphthene (C15.5)	8.946	6280353	46.032 ug/ml
8) T Fluorene (C16.55)	9.738	6750437	48.354 ug/ml
9) T Phenanthrene (C19.36)	11.150	7213552	51.202 ug/ml
10) T Anthracene (C19.43)	11.226	7226733	52.811 ug/ml
12) T Fluoranthene (C21.85)	12.978	7559648	53.011 ug/mlm
13) T Pyrene (C20.8)	13.279	7656077	54.564 ug/ml
14) T Benzo[a]anthracene (C...	15.166	7727506	56.974 ug/ml
15) T Chrysene (C27.41)	15.211	8631506	61.657 ug/ml
16) T benzo[b]fluoranthene ...	16.730	7592471	57.458 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	7592053	55.604 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.112	7275153	58.015 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.491	7435241	66.827 ug/ml
20) T Dibenz[a,h]anthracene...	18.528	6843925	53.185 ug/ml
21) T Benzo[g,h,i]perylene ...	18.748	6780509	56.743 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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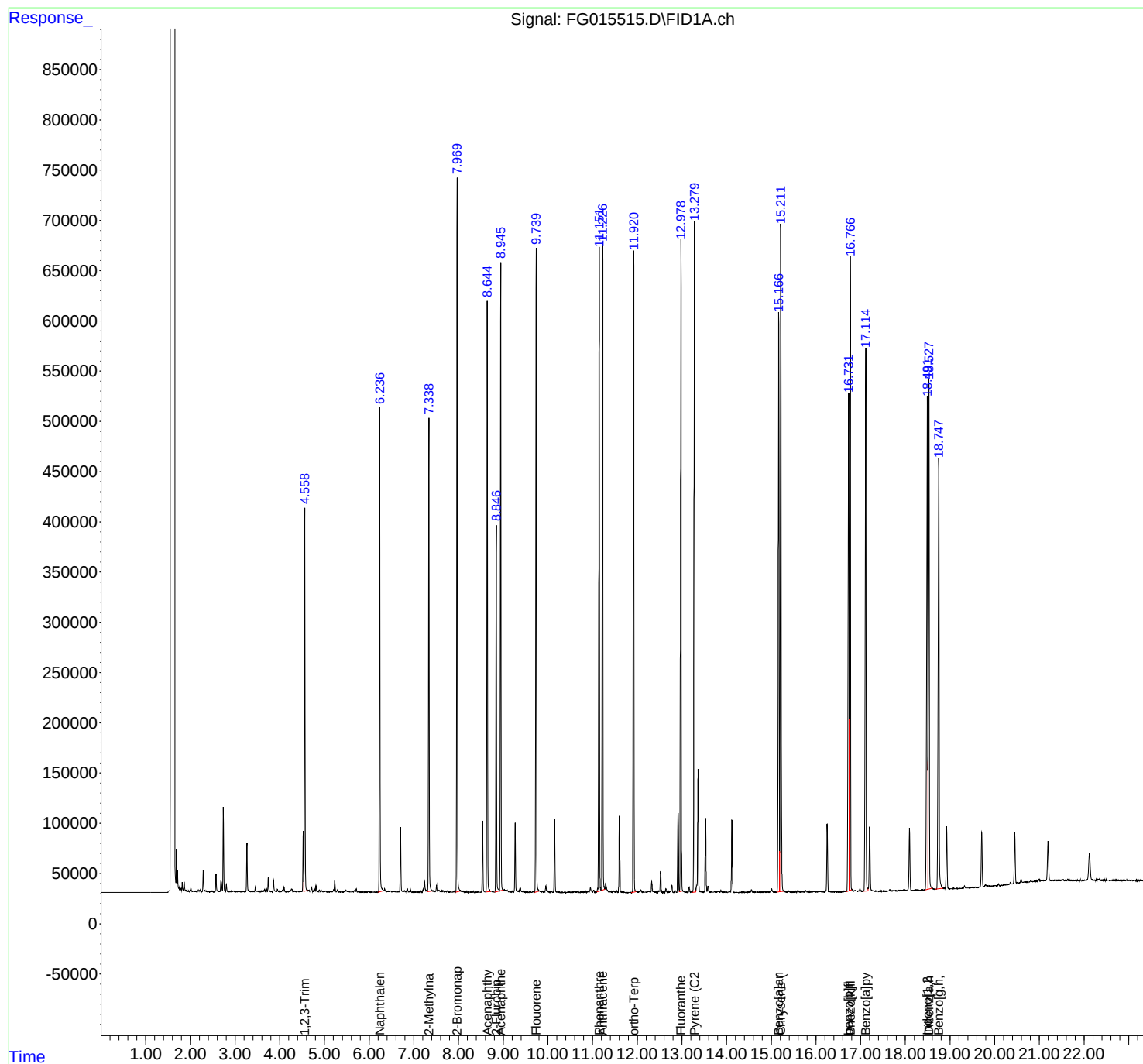
Response via : Initial Calibration

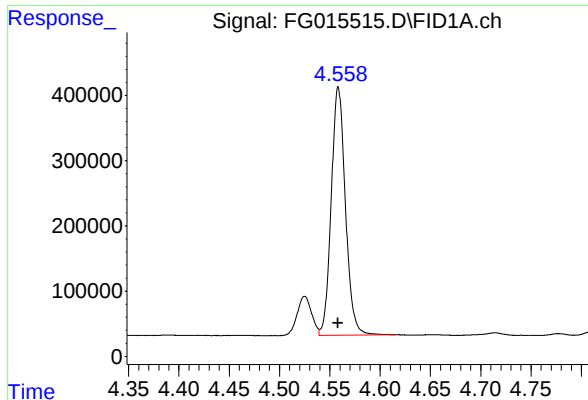
Integrator: ChemStation

Volume Inj. : 1 µl

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Signal Info : 20M x 0.18mm x 0.18µm





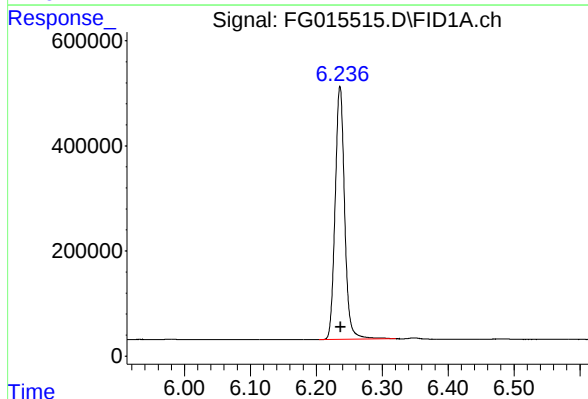
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 3738655
Conc: 28.13 ug/ml

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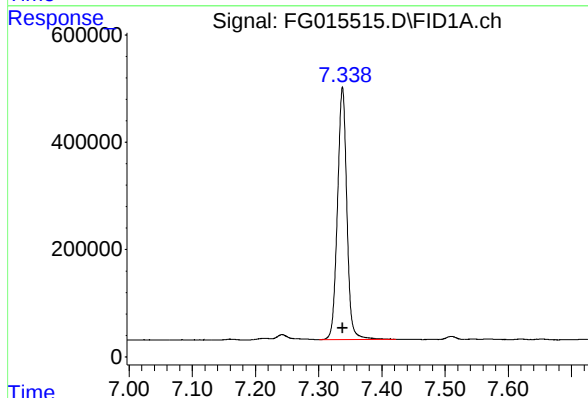
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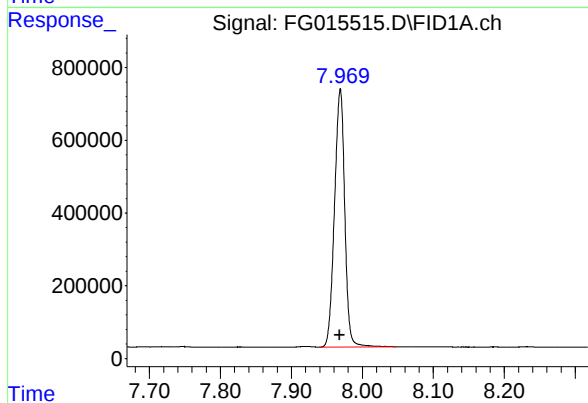
#2 Naphthalene (C11.7)

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 4819274
Conc: 35.67 ug/ml



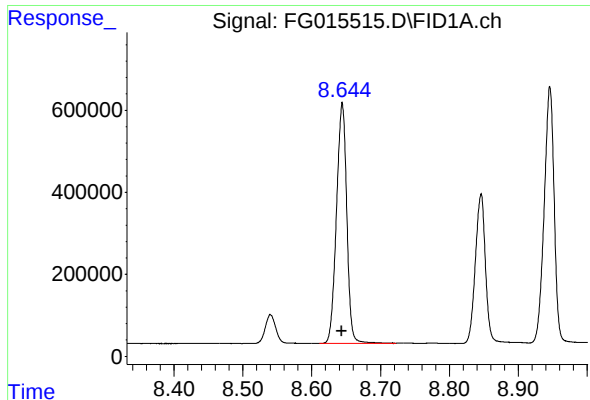
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 4844624
Conc: 36.32 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 7111822
Conc: 58.22 ug/ml



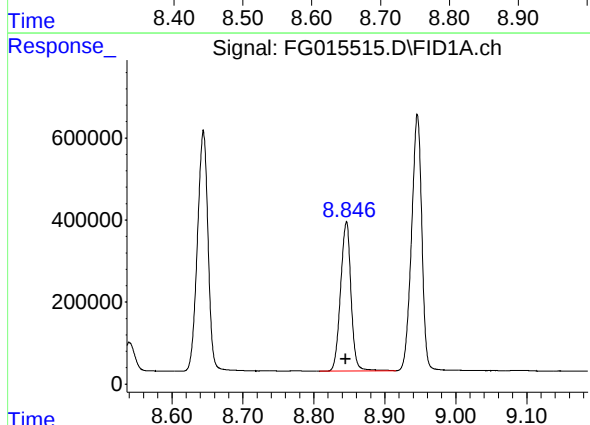
#5 Acenaphthylene (C15.06)

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 6090797
Conc: 43.01 ug/ml

Instrument :
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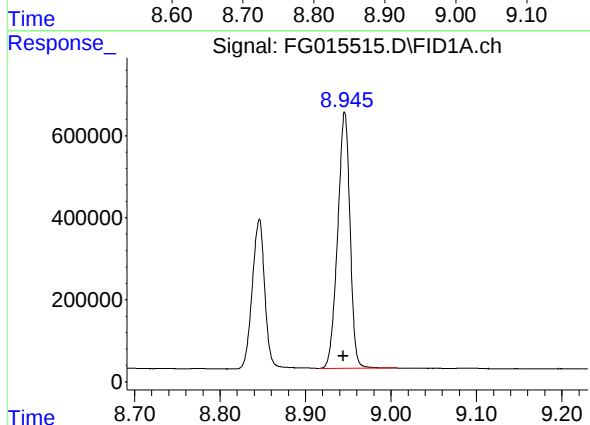
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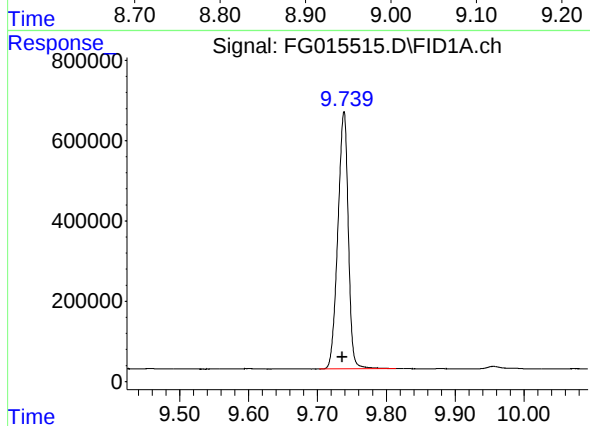
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.846 min
Delta R.T.: 0.000 min
Response: 3730134
Conc: 45.13 ug/ml



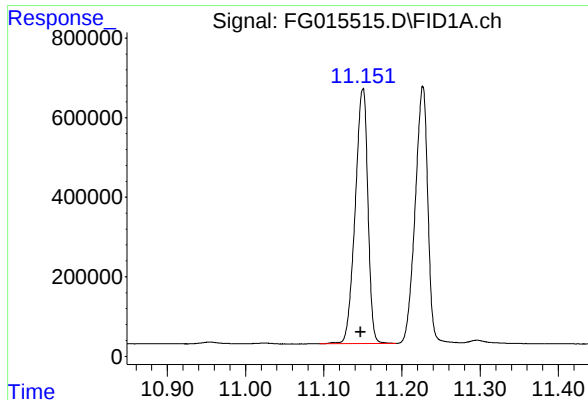
#7 Acenaphthene (C15.5)

R.T.: 8.946 min
Delta R.T.: 0.002 min
Response: 6280353
Conc: 46.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.738 min
Delta R.T.: 0.002 min
Response: 6750437
Conc: 48.35 ug/ml



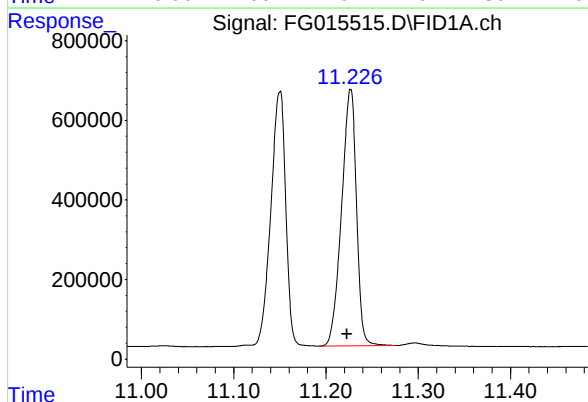
#9 Phenanthrene (C19.36)

R.T.: 11.150 min
Delta R.T.: 0.002 min
Response: 7213552
Conc: 51.20 ug/ml

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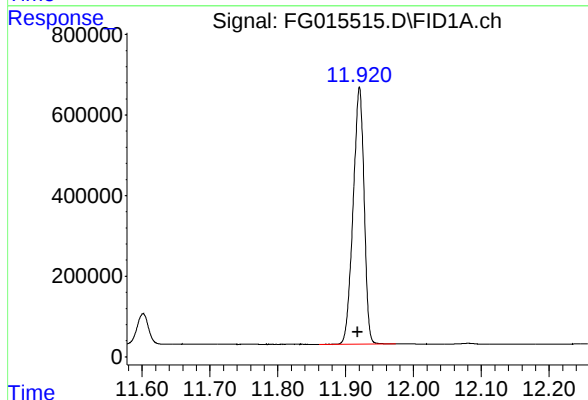
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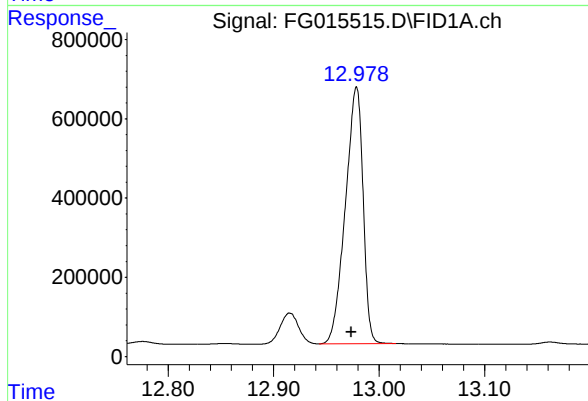
#10 Anthracene (C19.43)

R.T.: 11.226 min
Delta R.T.: 0.004 min
Response: 7226733
Conc: 52.81 ug/ml



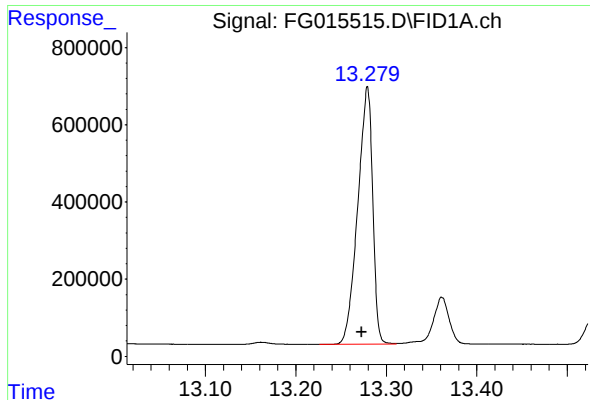
#11 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: 0.003 min
Response: 7173187
Conc: 49.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.978 min
Delta R.T.: 0.005 min
Response: 7559648
Conc: 53.01 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.279 min
Delta R.T.: 0.006 min
Response: 7656077
Conc: 54.56 ug/ml

Instrument :

FID_G

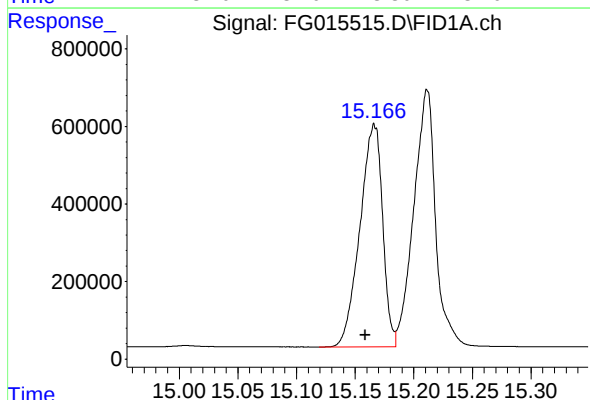
ClientSampleId :

PB167231BSD

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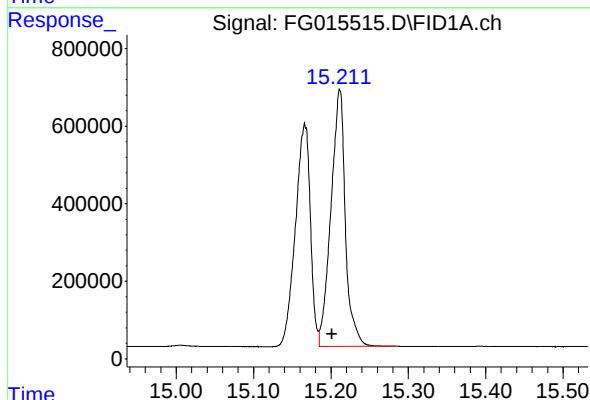
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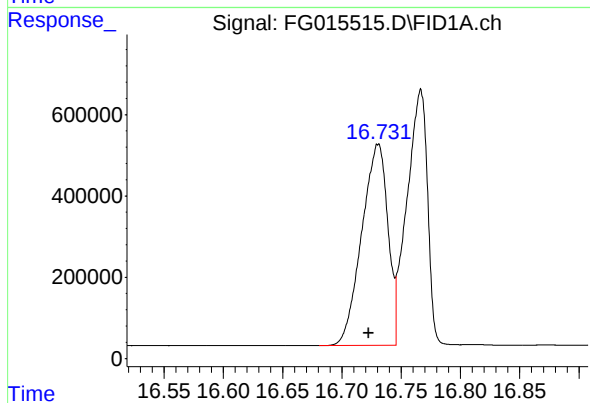
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.166 min
Delta R.T.: 0.007 min
Response: 7727506
Conc: 56.97 ug/ml



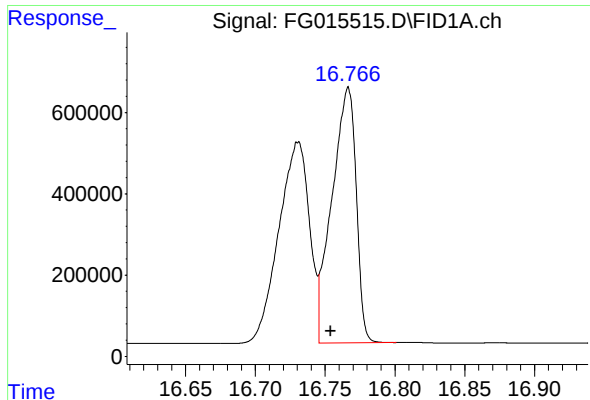
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: 0.010 min
Response: 8631506
Conc: 61.66 ug/ml



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

R.T.: 16.730 min
Delta R.T.: 0.008 min
Response: 7592471
Conc: 57.46 ug/ml



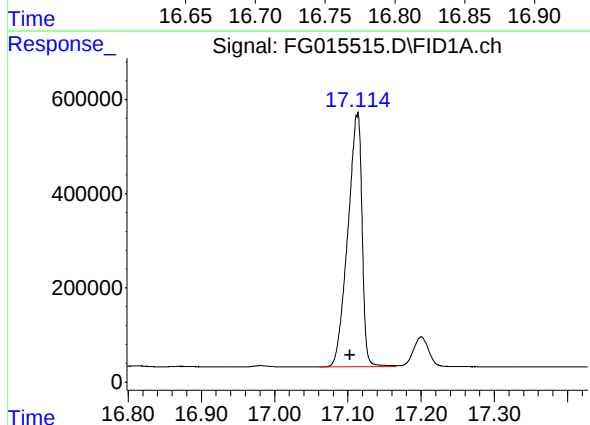
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.766 min
Delta R.T.: 0.012 min
Response: 7592053
Conc: 55.60 ug/ml

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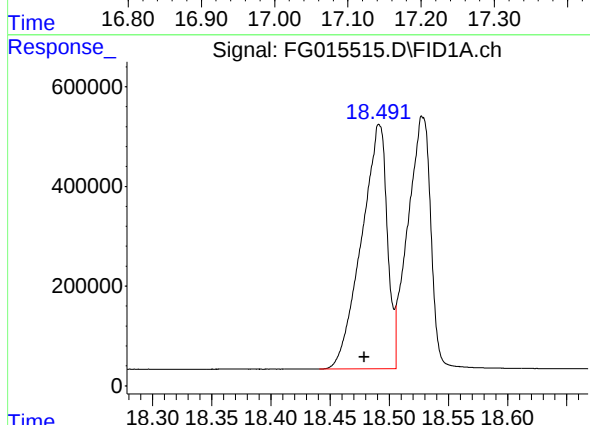
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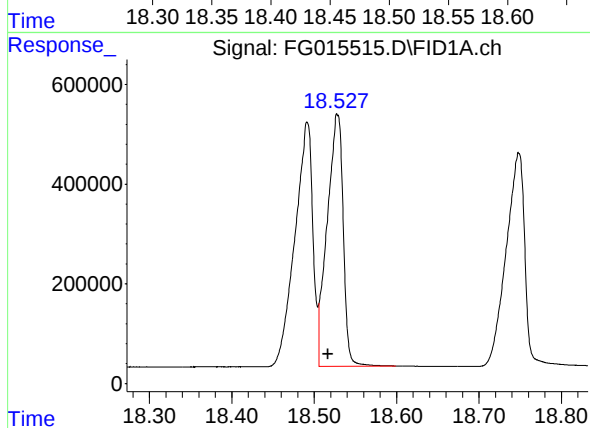
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.009 min
Response: 7275153
Conc: 58.01 ug/ml



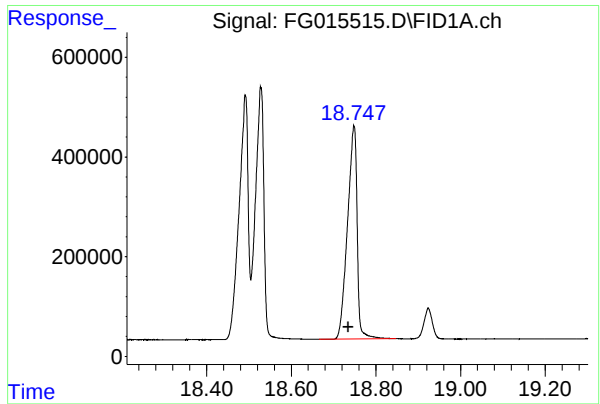
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.491 min
Delta R.T.: 0.012 min
Response: 7435241
Conc: 66.83 ug/ml



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

R.T.: 18.528 min
Delta R.T.: 0.011 min
Response: 6843925
Conc: 53.19 ug/ml



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

R.T.: 18.748 min
Delta R.T.: 0.013 min
Response: 6780509
Conc: 56.74 ug/ml

Instrument :

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