

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015514.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:00
 Operator : YP\AJ
 Sample : PB167231BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB167231BS

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 01:06:50 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...	7.967	6169474	50.505 ug/ml
Spiked Amount 50.000		Recovery =	101.01%
6) S 2-Fluorobiphenyl (SURR)	8.844	3230344	39.081 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	78.16%
11) S ortho-Terphenyl (SURR)	11.919	6231904	42.734 ug/ml
Spiked Amount 50.000		Recovery =	85.47%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.556	3244584	24.416 ug/ml
2) T Naphthalene (C11.7)	6.235	4163143	30.814 ug/ml
3) T 2-Methylnaphthalene (...)	7.336	4192405	31.429 ug/ml
5) T Acenaphthylene (C15.06)	8.643	5281759	37.293 ug/ml
7) T Acenaphthene (C15.5)	8.944	5449829	39.945 ug/ml
8) T Fluorene (C16.55)	9.737	5851559	41.916 ug/ml
9) T Phenanthrene (C19.36)	11.149	6241326	44.302 ug/ml
10) T Anthracene (C19.43)	11.225	6246958	45.651 ug/ml
12) T Fluoranthene (C21.85)	12.977	6536753	45.838 ug/mlm
13) T Pyrene (C20.8)	13.277	6621600	47.191 ug/ml
14) T Benzo[a]anthracene (C...	15.164	6639455	48.952 ug/ml
15) T Chrysene (C27.41)	15.209	7448991	53.210 ug/ml
16) T benzo[b]fluoranthene ...	16.729	6530952	49.424 ug/ml
17) T Bnezo[k]fluoranthene ...	16.764	6501707	47.619 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.111	6244407	49.795 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	6293938	56.569 ug/ml
20) T Dibenz[a,h]anthracene...	18.525	5911171	45.937 ug/ml
21) T Benzo[g,h,i]perylene ...	18.744	5808184	48.606 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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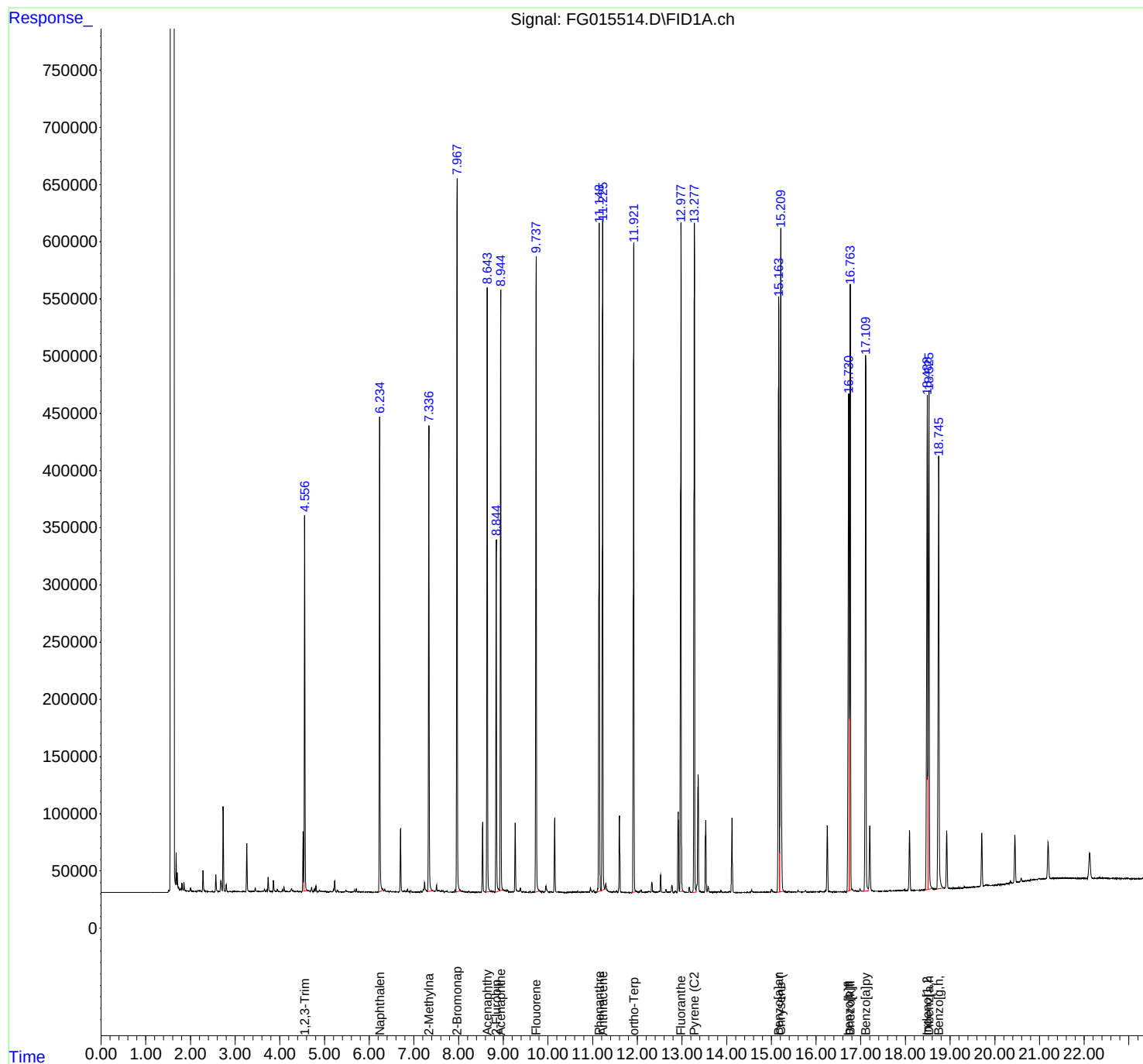
Response via : Initial Calibration

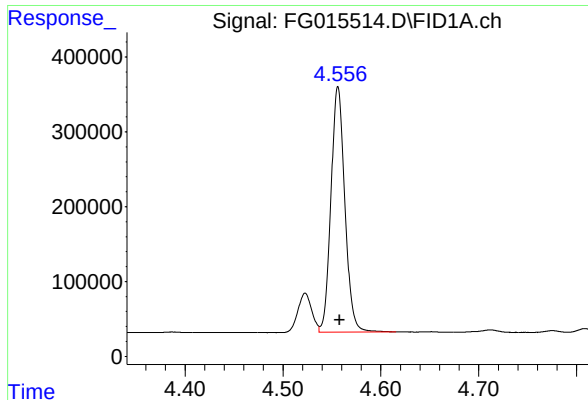
Integrator: ChemStation

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Signal Info : 20M x 0.18mm x 0.18µm





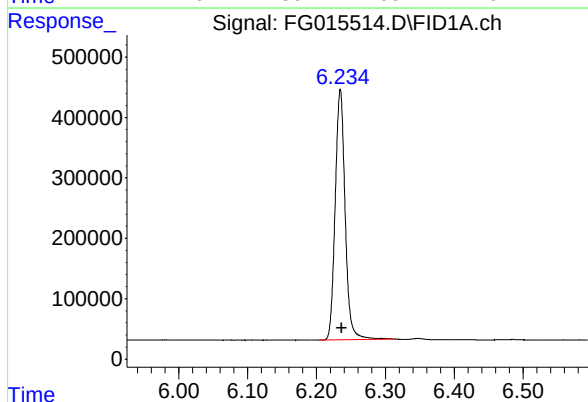
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.556 min
Delta R.T.: -0.002 min
Response: 3244584
Conc: 24.42 ug/ml

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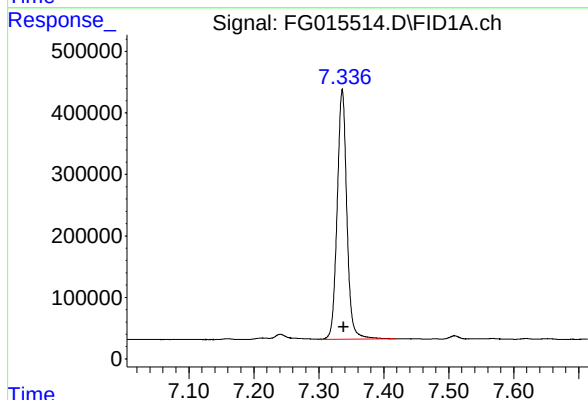
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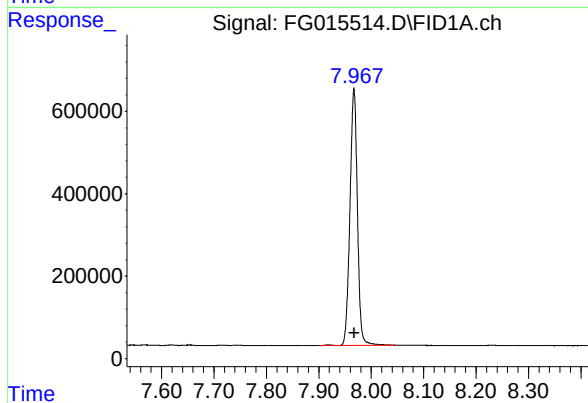
#2 Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: -0.002 min
Response: 4163143
Conc: 30.81 ug/ml



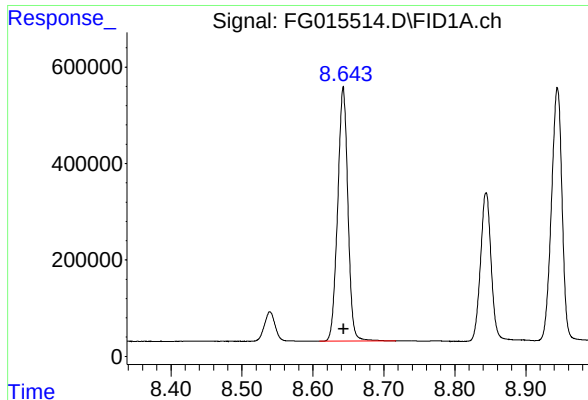
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.336 min
Delta R.T.: -0.002 min
Response: 4192405
Conc: 31.43 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 6169474
Conc: 50.51 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 5281759
Conc: 37.29 ug/ml

Instrument :

FID_G

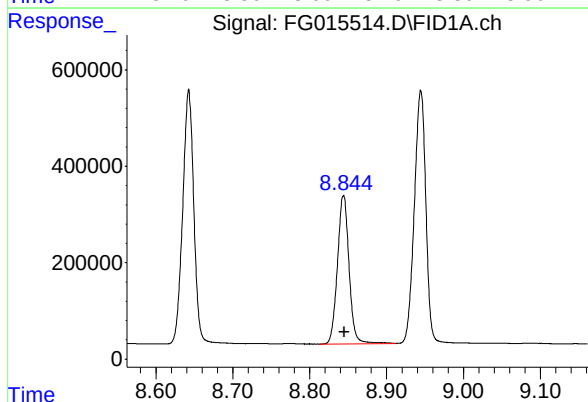
ClientSampleId :

PB167231BS

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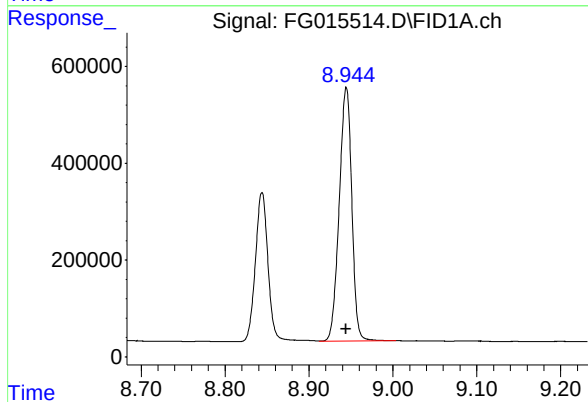
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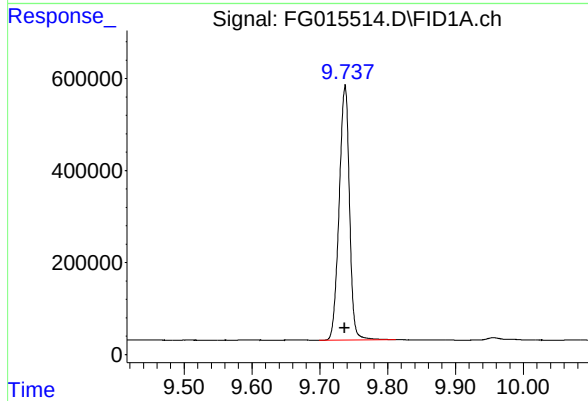
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.844 min
Delta R.T.: 0.000 min
Response: 3230344
Conc: 39.08 ug/ml



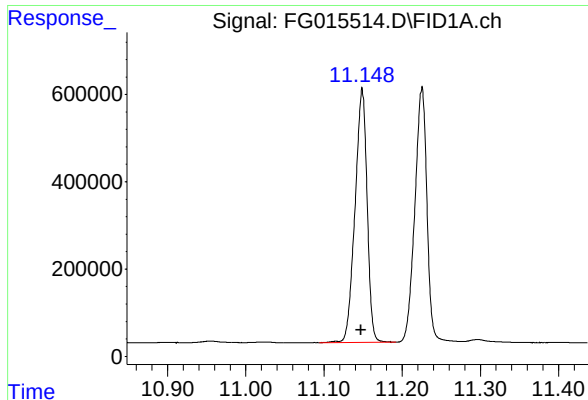
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 5449829
Conc: 39.94 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 5851559
Conc: 41.92 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.149 min
Delta R.T.: 0.001 min
Response: 6241326
Conc: 44.30 ug/ml

Instrument :

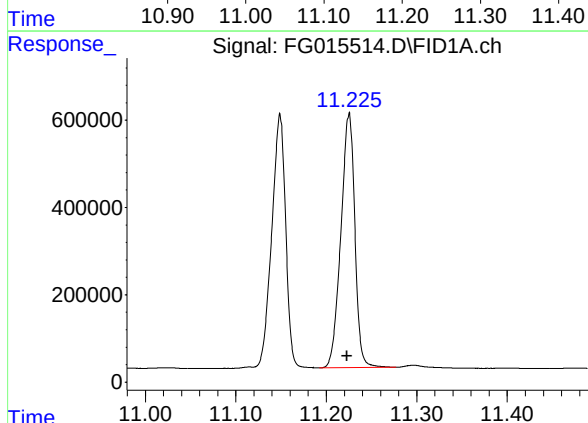
FID_G

ClientSampleId :

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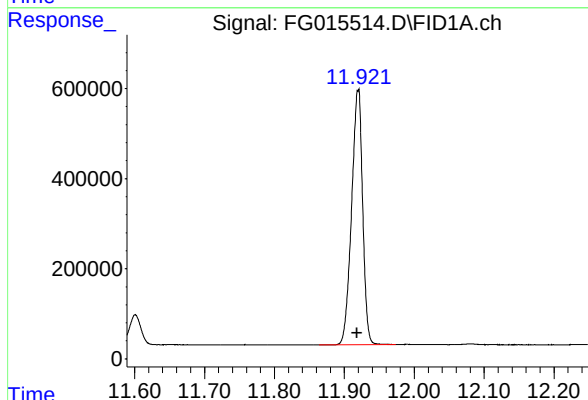
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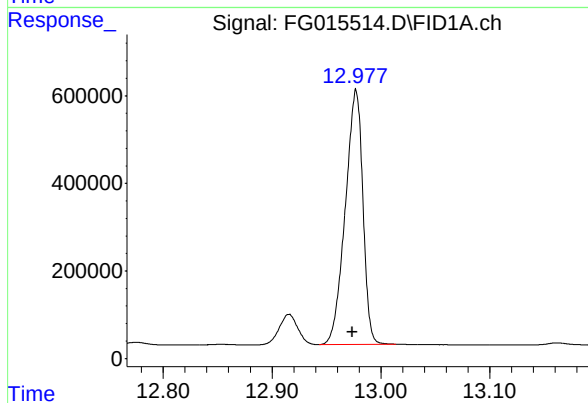
#10 Anthracene (C19.43)

R.T.: 11.225 min
Delta R.T.: 0.002 min
Response: 6246958
Conc: 45.65 ug/ml



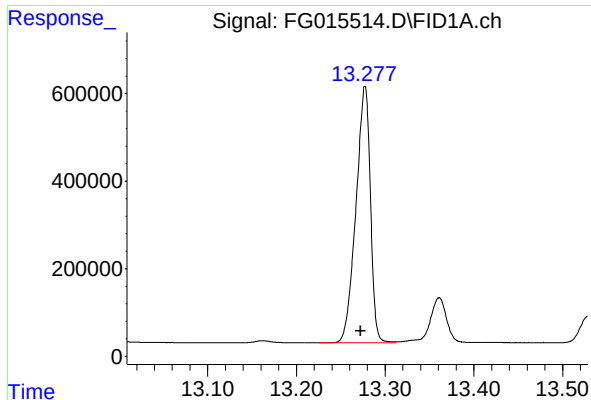
#11 ortho-Terphenyl (SURR)

R.T.: 11.919 min
Delta R.T.: 0.002 min
Response: 6231904
Conc: 42.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.977 min
Delta R.T.: 0.003 min
Response: 6536753
Conc: 45.84 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.277 min
Delta R.T.: 0.004 min
Response: 6621600
Conc: 47.19 ug/ml

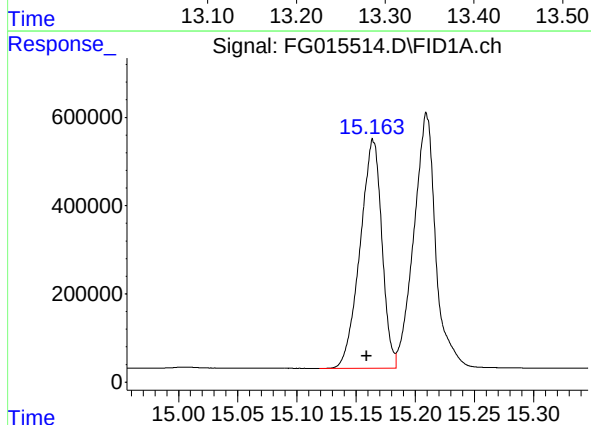
Instrument :

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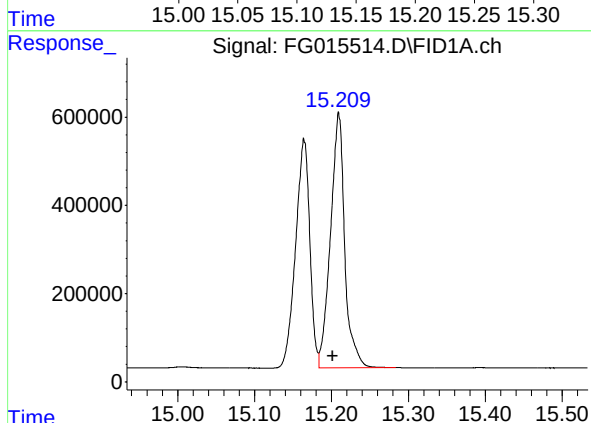
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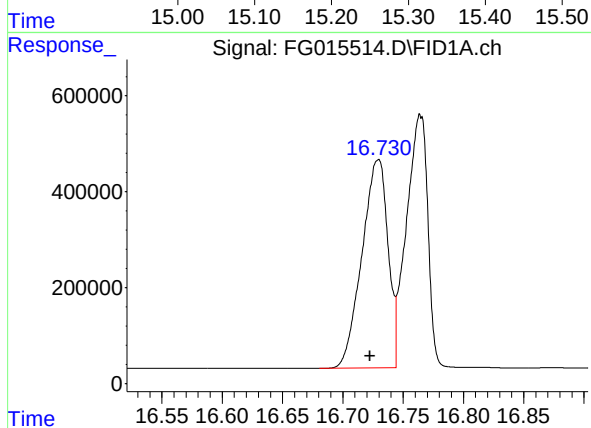
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.164 min
Delta R.T.: 0.005 min
Response: 6639455
Conc: 48.95 ug/ml



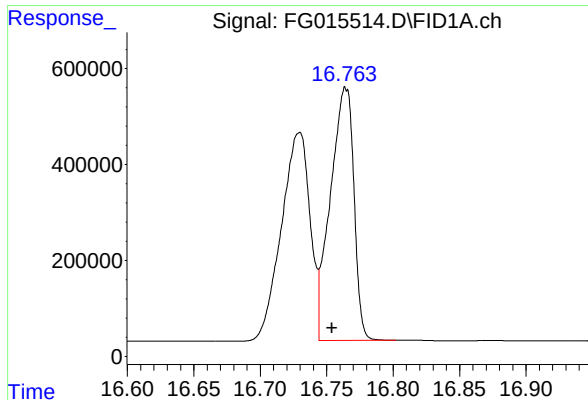
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.008 min
Response: 7448991
Conc: 53.21 ug/ml



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

R.T.: 16.729 min
Delta R.T.: 0.006 min
Response: 6530952
Conc: 49.42 ug/ml



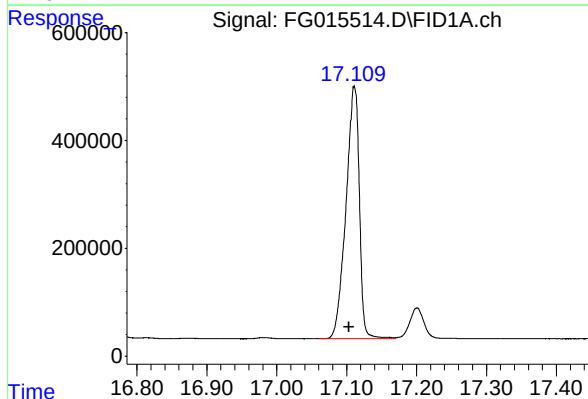
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.764 min
Delta R.T.: 0.010 min
Response: 6501707
Conc: 47.62 ug/ml

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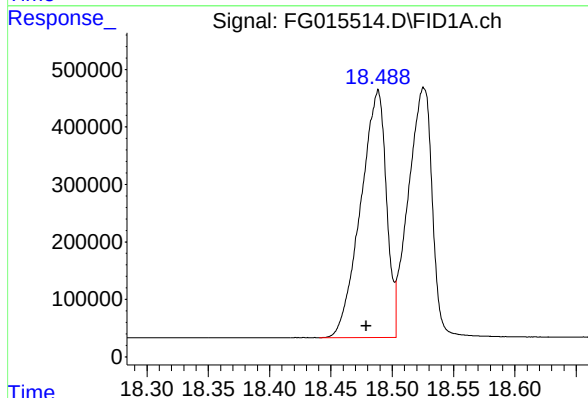
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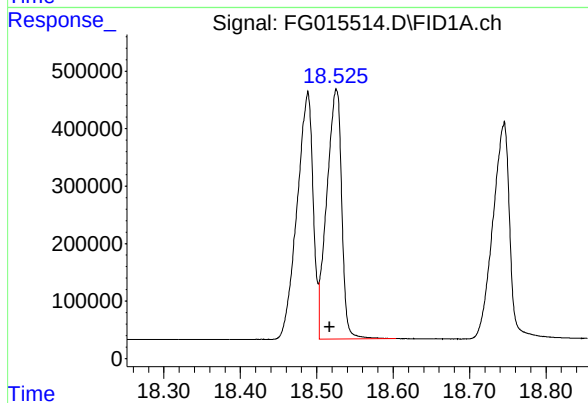
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.111 min
Delta R.T.: 0.008 min
Response: 6244407
Conc: 49.80 ug/ml



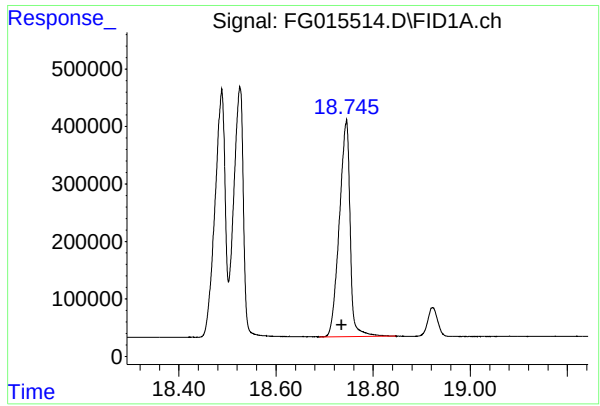
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.009 min
Response: 6293938
Conc: 56.57 ug/ml



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

R.T.: 18.525 min
Delta R.T.: 0.008 min
Response: 5911171
Conc: 45.94 ug/ml



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

R.T.: 18.744 min
Delta R.T.: 0.010 min
Response: 5808184
Conc: 48.61 ug/ml

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