

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015221.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 15:30
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 02:55:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 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...	7.983	6791149	51.448 ug/ml
Spiked Amount 50.000		Recovery =	102.90%
6) S 2-Fluorobiphenyl (SURR)	8.860	4651011	55.101 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	110.20%
11) S ortho-Terphenyl (SURR)	11.939	6612950	38.415 ug/ml
Spiked Amount 50.000		Recovery =	76.83%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	453214	2.825 ug/ml
2) T Naphthalene (C11.7)	6.250	508134	3.169 ug/mlm
3) T 2-Methylnaphthalene (...)	7.350	520841	3.275 ug/ml
5) T Acenaphthylene (C15.06)	8.656	530929	3.341 ug/ml
7) T Acenaphthene (C15.5)	8.957	518729	3.181 ug/ml
8) T Fluorene (C16.55)	9.748	520705	3.307 ug/ml
9) T Phenanthrene (C19.36)	11.158	518367	3.247 ug/ml
10) T Anthracene (C19.43)	11.233	512398	3.471 ug/ml
12) T Fluoranthene (C21.85)	12.984	513454	3.104 ug/ml
13) T Pyrene (C20.8)	13.283	523490	3.232 ug/ml
14) T Benzo[a]anthracene (C...	15.168	479156	3.212 ug/mlm
15) T Chrysene (C27.41)	15.209	490658	3.159 ug/mlm
16) T benzo[b]fluoranthene ...	16.728	480217	3.245 ug/ml
17) T Bnezo[k]fluoranthene ...	16.759	508901	3.599 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.109	467390	3.290 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.481	490509	3.893 ug/mlm
20) T Dibenz[a,h]anthracene...	18.523	562872	3.804 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.735	456649	3.383 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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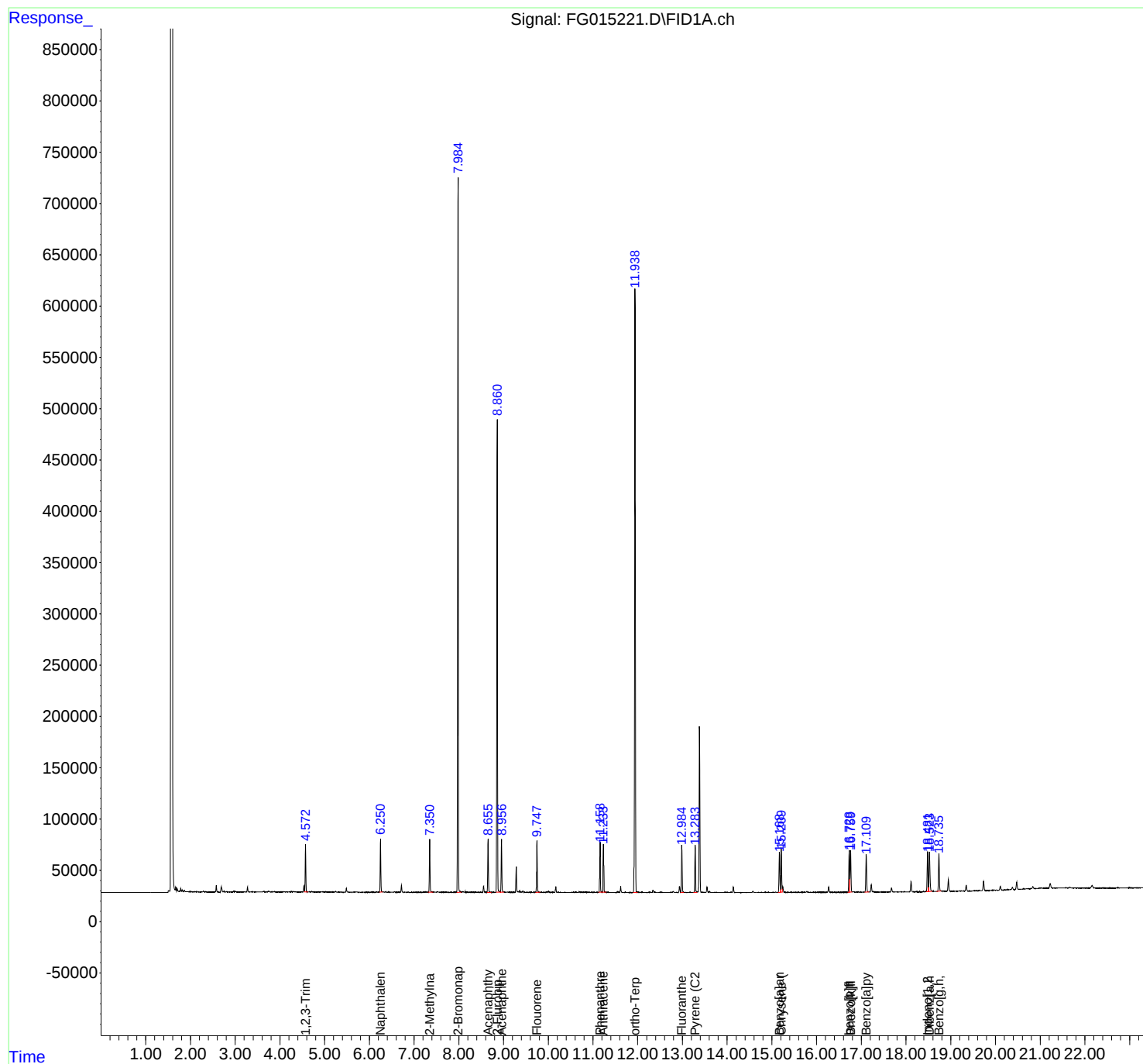
Instrument :
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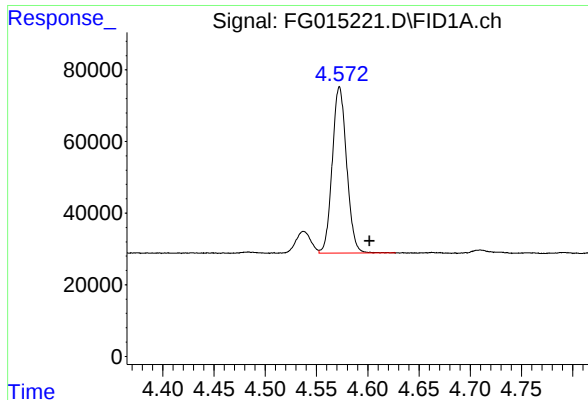
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 453214
Conc: 2.83 ug/ml

Instrument :

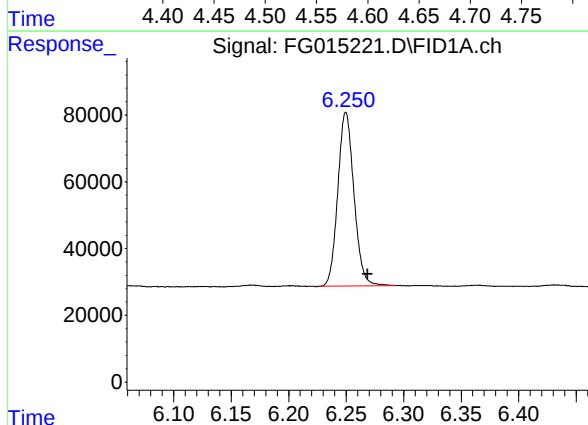
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ClientSampleId :

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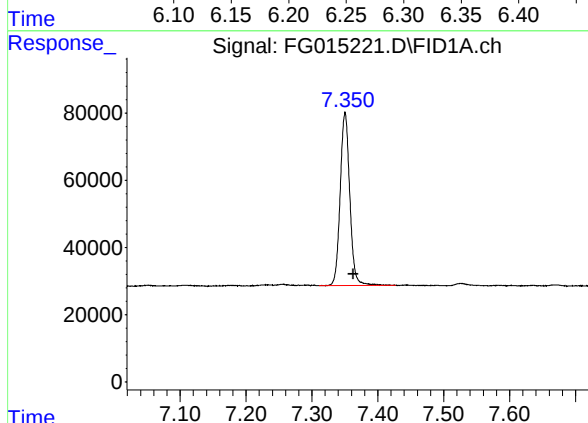
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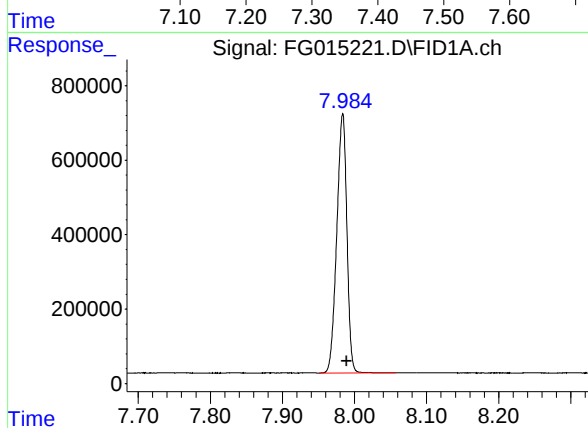
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 508134
Conc: 3.17 ug/ml m



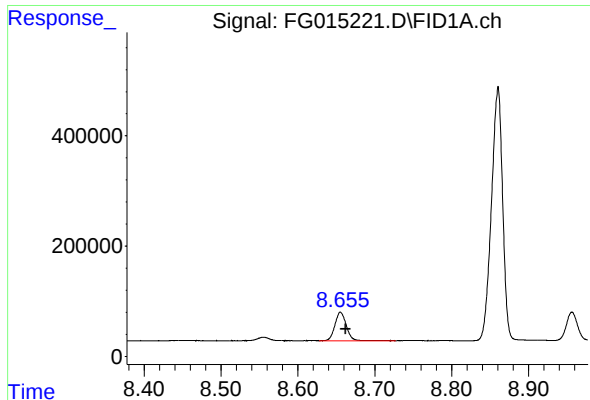
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 520841
Conc: 3.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.983 min
Delta R.T.: -0.006 min
Response: 6791149
Conc: 51.45 ug/ml



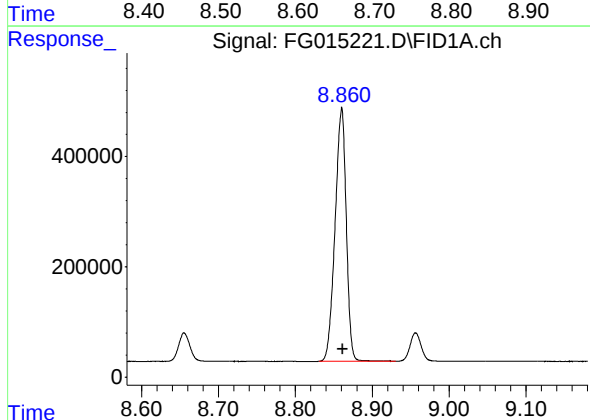
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.007 min
Response: 530929
Conc: 3.34 ug/ml

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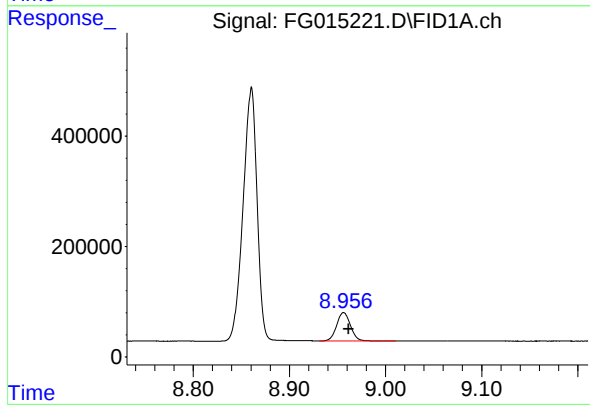
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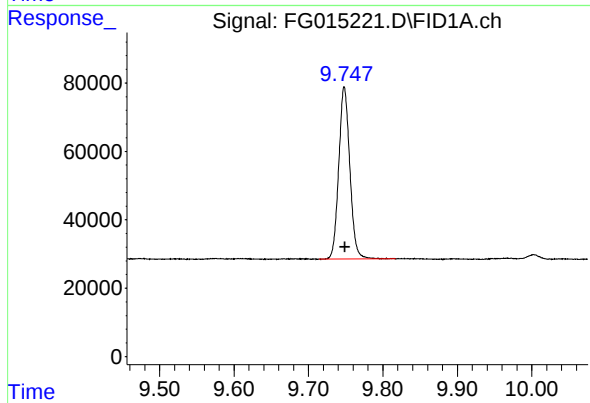
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.002 min
Response: 4651011
Conc: 55.10 ug/ml



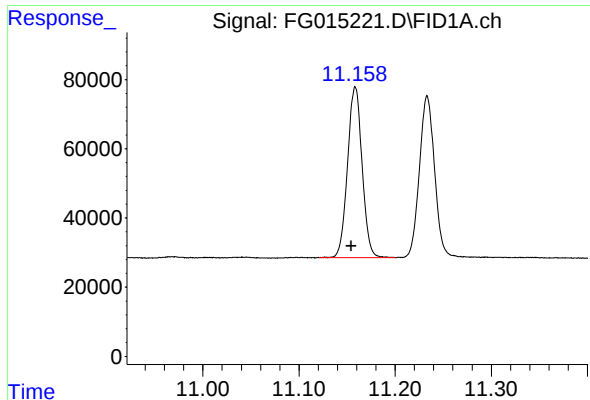
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 518729
Conc: 3.18 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.748 min
Delta R.T.: 0.000 min
Response: 520705
Conc: 3.31 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.004 min
Response: 518367
Conc: 3.25 ug/ml

Instrument :

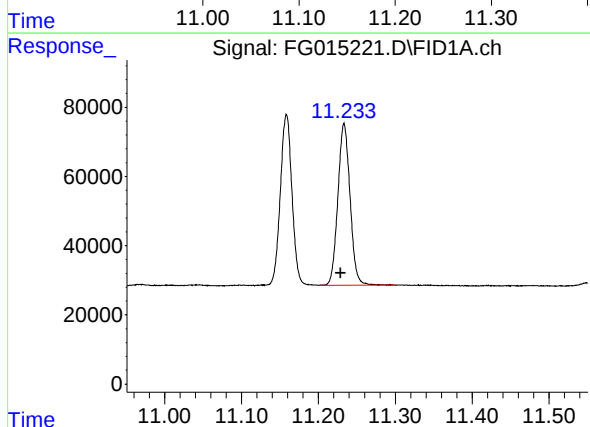
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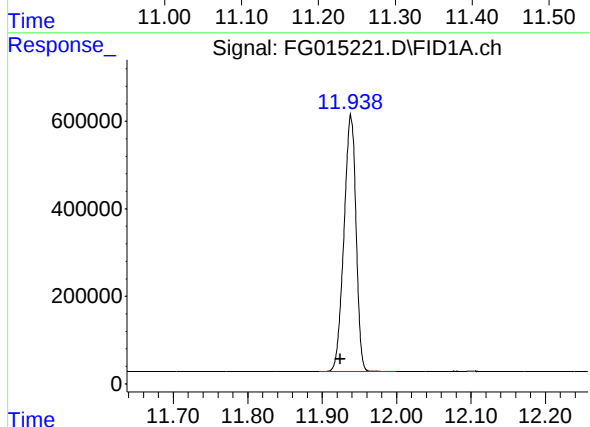
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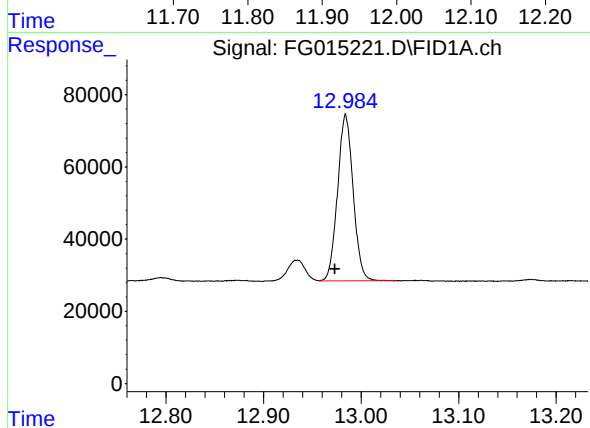
#10 Anthracene (C19.43)

R.T.: 11.233 min
Delta R.T.: 0.005 min
Response: 512398
Conc: 3.47 ug/ml



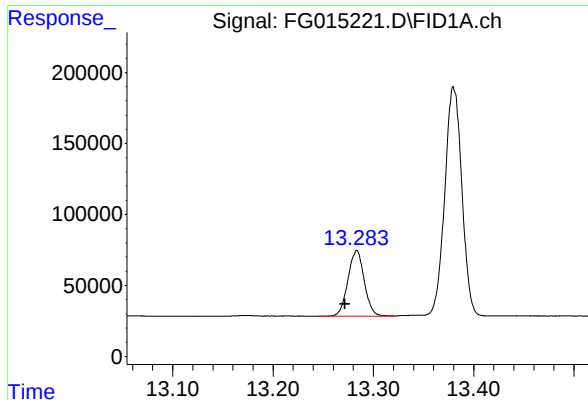
#11 ortho-Terphenyl (SURRE)

R.T.: 11.939 min
Delta R.T.: 0.014 min
Response: 6612950
Conc: 38.42 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.984 min
Delta R.T.: 0.011 min
Response: 513454
Conc: 3.10 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.012 min
Response: 523490
Conc: 3.23 ug/ml

Instrument :

FID_G

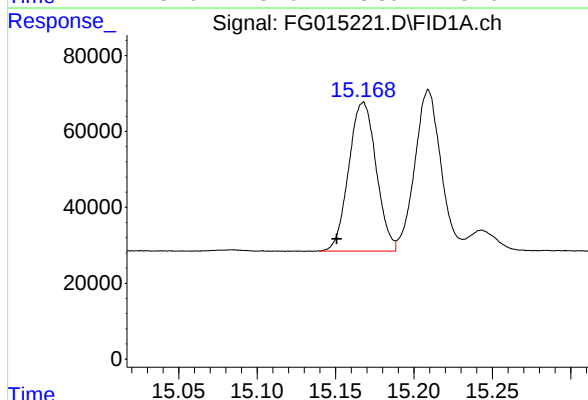
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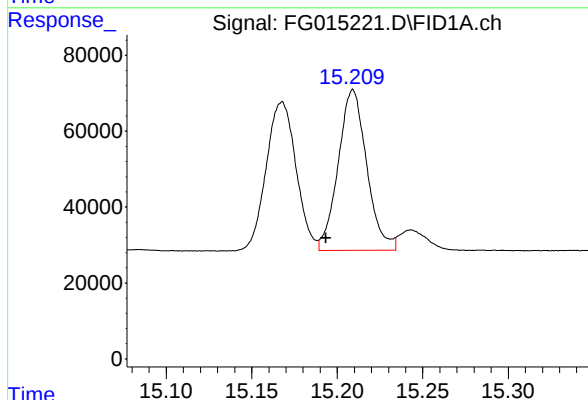
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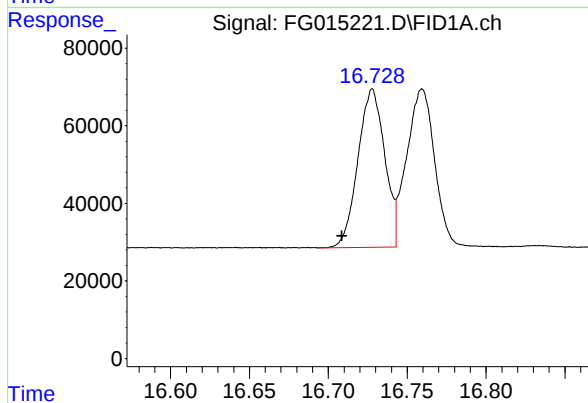
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.168 min
Delta R.T.: 0.017 min
Response: 479156
Conc: 3.21 ug/ml m



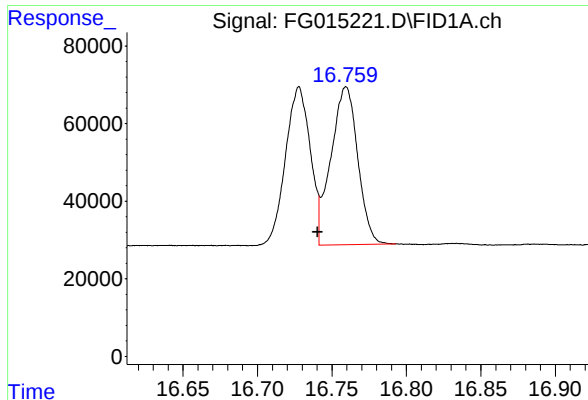
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.015 min
Response: 490658
Conc: 3.16 ug/ml m



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

R.T.: 16.728 min
Delta R.T.: 0.019 min
Response: 480217
Conc: 3.25 ug/ml



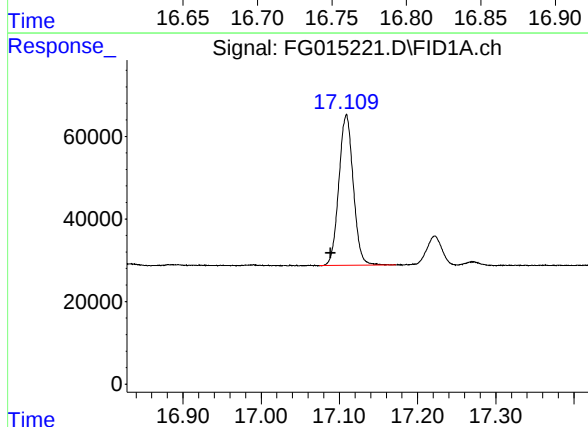
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.759 min
Delta R.T.: 0.019 min
Response: 508901
Conc: 3.60 ug/ml

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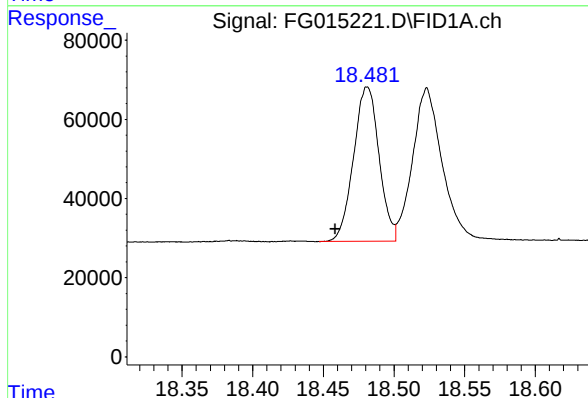
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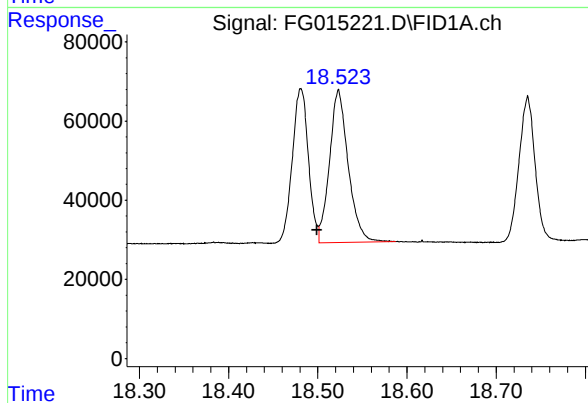
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.109 min
Delta R.T.: 0.020 min
Response: 467390
Conc: 3.29 ug/ml



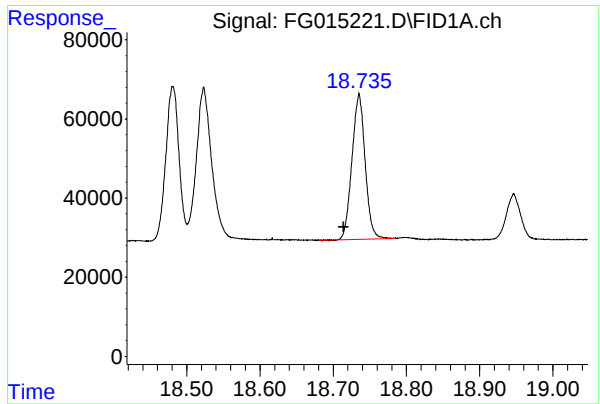
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.481 min
Delta R.T.: 0.023 min
Response: 490509
Conc: 3.89 ug/ml m



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

R.T.: 18.523 min
Delta R.T.: 0.024 min
Response: 562872
Conc: 3.80 ug/ml m



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

R.T.: 18.735 min
Delta R.T.: 0.021 min
Response: 456649
Conc: 3.38 ug/ml

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