

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101524AR\
 Data File : FF014691.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 16:28
 Operator : YP\AJ
 Sample : P4368-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:26:26 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 11:02:50 2024
 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...	7.857	7955144	74.191 ug/ml
Spiked Amount 50.000		Recovery =	148.38%
6) S 2-Fluorobiphenyl (SURR)	8.726	4778863	77.341 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	154.68%#
11) S ortho-Terphenyl (SURR)	11.788	8320603	60.776 ug/ml
Spiked Amount 50.000		Recovery =	121.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.469	659994	5.019 ug/ml
2) T Naphthalene (C11.7)	6.136	696872	5.418 ug/ml
3) T 2-Methylnaphthalene (...)	7.231	711924	5.653 ug/ml
5) T Acenaphthylene (C15.06)	8.526	749790	5.800 ug/ml
7) T Acenaphthene (C15.5)	8.824	921756	6.757 ug/ml
8) T Fluorene (C16.55)	9.617	673282	5.636 ug/ml
9) T Phenanthrene (C19.36)	11.018	652007	5.661 ug/ml
10) T Anthracene (C19.43)	11.095	768535	6.501 ug/ml
12) T Fluoranthene (C21.85)	12.833	793384	6.486 ug/ml
13) T Pyrene (C20.8)	13.128	790352	6.366 ug/ml
14) T Benzo[a]anthracene (C...	15.047	704821	7.987 ug/ml
15) T Chrysene (C27.41)	15.079	423280	2.946 ug/ml
16) T benzo[b]fluoranthene ...	16.560	543860	5.628 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.591	930254	6.846 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.945	593789	5.416 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.321	306895	4.787 ug/mlm
20) T Dibenz[a,h]anthracene...	18.356	892739	8.464 ug/ml
21) T Benzo[g,h,i]perylene ...	18.563	674415	5.549 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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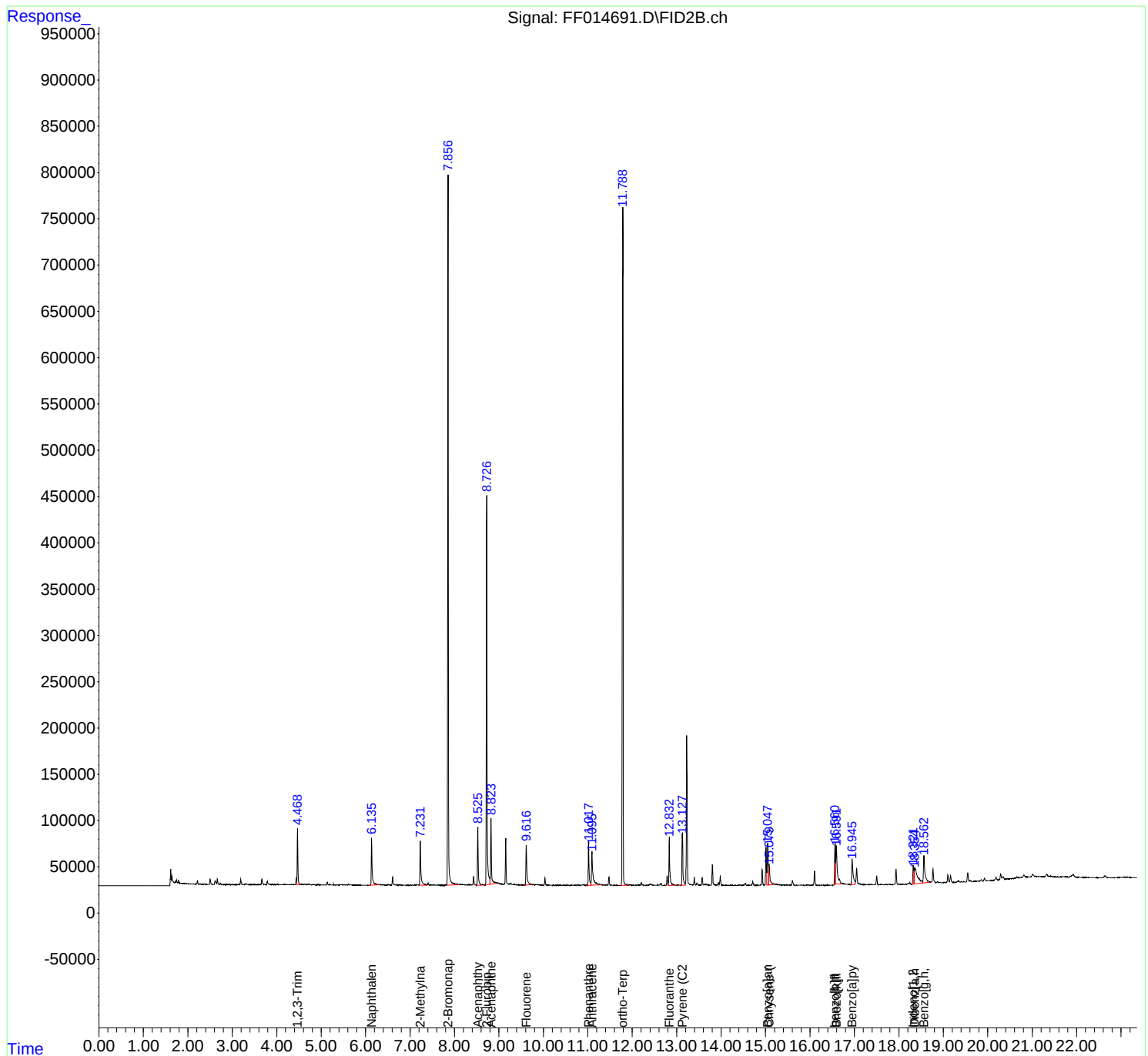
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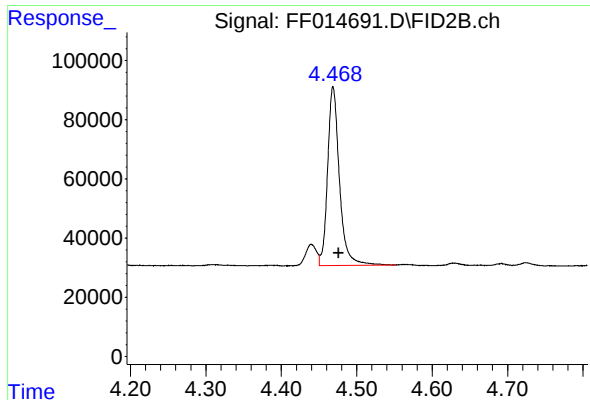
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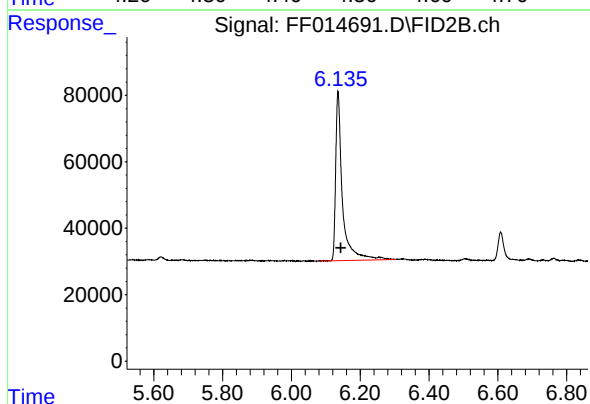
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.469 min
Delta R.T.: -0.007 min
Response: 659994
Conc: 5.02 ug/ml

Instrument : FID_F
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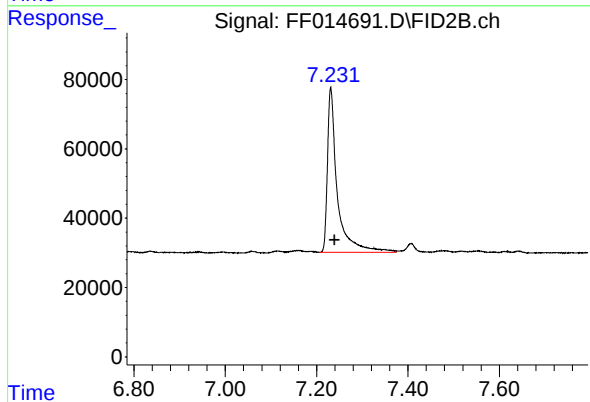
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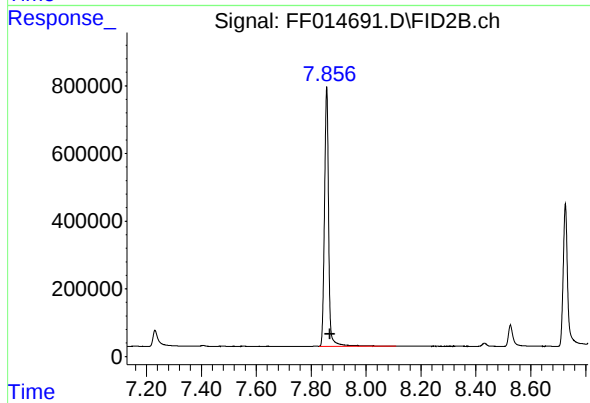
#2 Naphthalene (C11.7)

R.T.: 6.136 min
Delta R.T.: -0.008 min
Response: 696872
Conc: 5.42 ug/ml



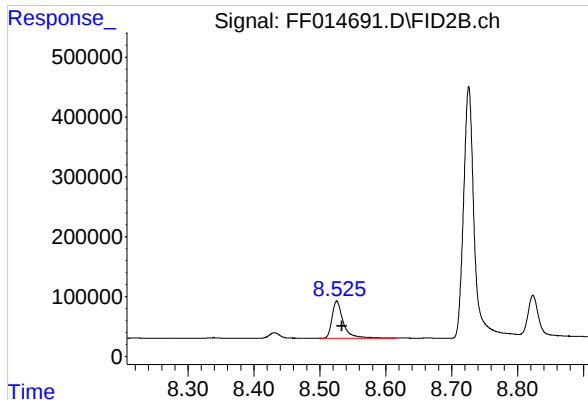
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.231 min
Delta R.T.: -0.008 min
Response: 711924
Conc: 5.65 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.857 min
Delta R.T.: -0.012 min
Response: 7955144
Conc: 74.19 ug/ml



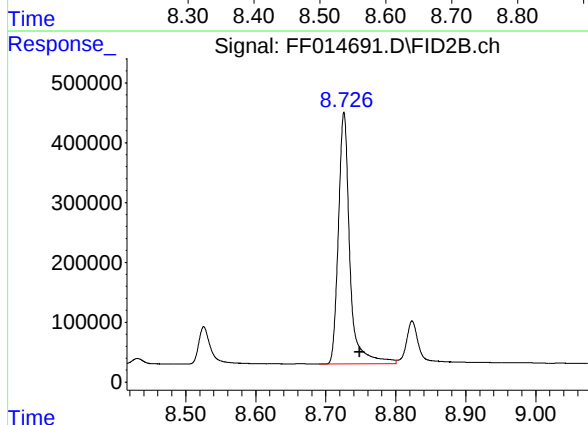
#5 Acenaphthylene (C15.06)

R.T.: 8.526 min
Delta R.T.: -0.008 min
Response: 749790
Conc: 5.80 ug/ml

Instrument : FID_F
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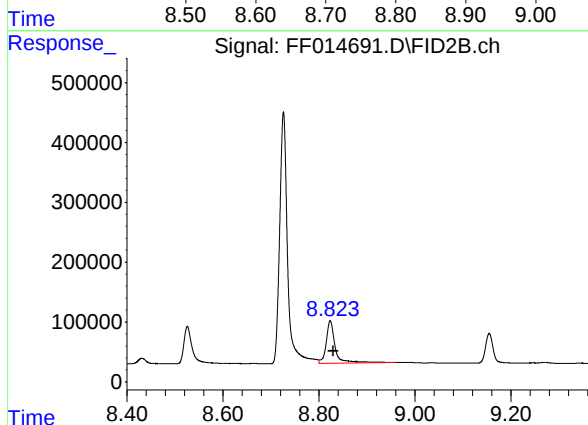
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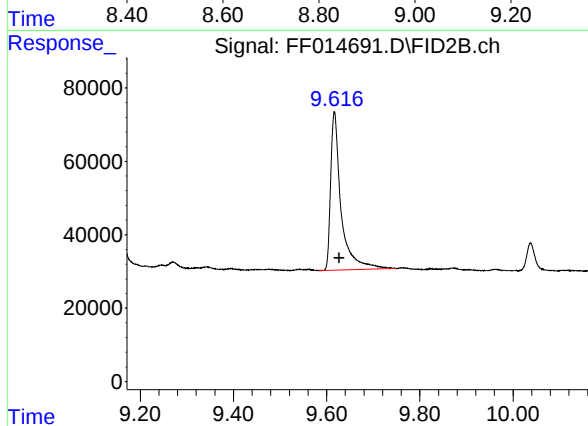
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.726 min
Delta R.T.: -0.023 min
Response: 4778863
Conc: 77.34 ug/ml



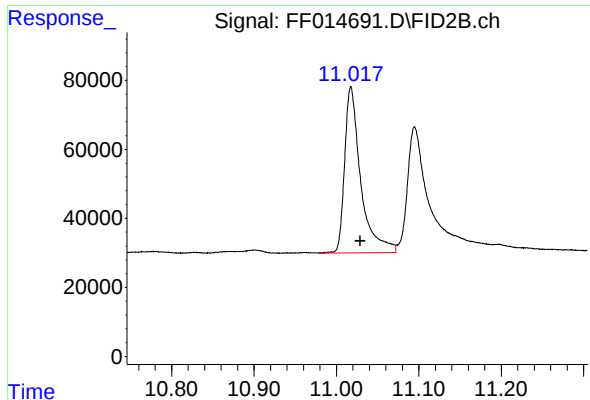
#7 Acenaphthene (C15.5)

R.T.: 8.824 min
Delta R.T.: -0.007 min
Response: 921756
Conc: 6.76 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.617 min
Delta R.T.: -0.010 min
Response: 673282
Conc: 5.64 ug/ml



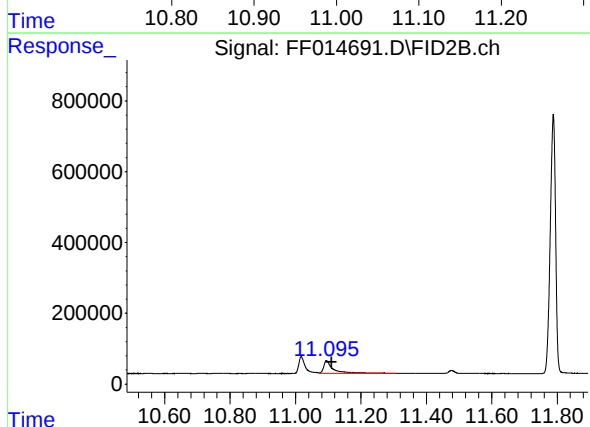
#9 Phenanthrene (C19.36)

R.T.: 11.018 min
Delta R.T.: -0.011 min
Response: 652007
Conc: 5.66 ug/ml

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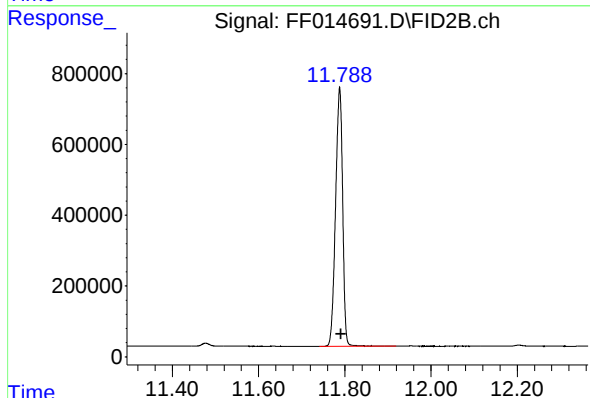
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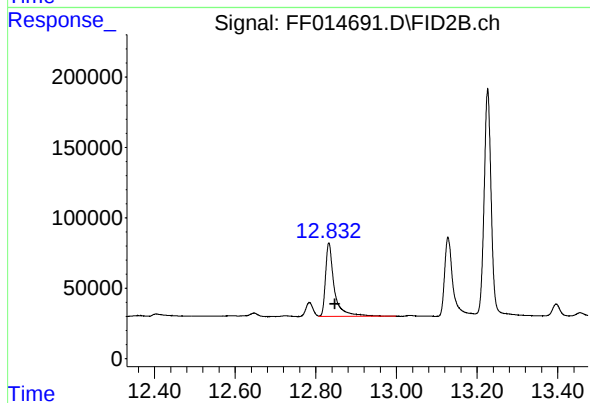
#10 Anthracene (C19.43)

R.T.: 11.095 min
Delta R.T.: -0.015 min
Response: 768535
Conc: 6.50 ug/ml



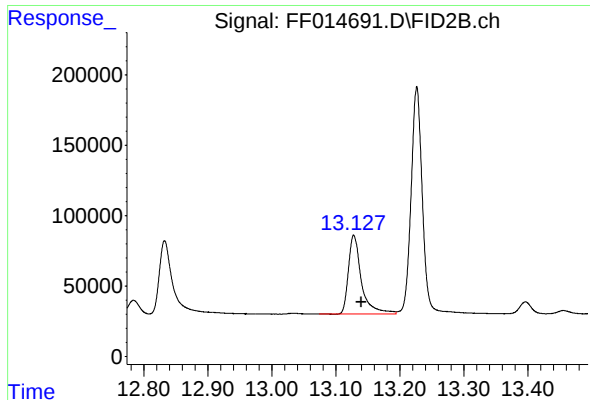
#11 ortho-Terphenyl (SURRE)

R.T.: 11.788 min
Delta R.T.: -0.003 min
Response: 8320603
Conc: 60.78 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.833 min
Delta R.T.: -0.016 min
Response: 793384
Conc: 6.49 ug/ml



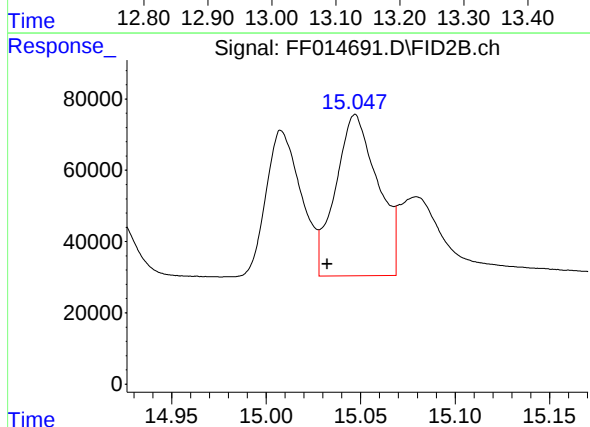
#13 Pyrene (C20.8)

R.T.: 13.128 min
Delta R.T.: -0.012 min
Response: 790352
Conc: 6.37 ug/ml

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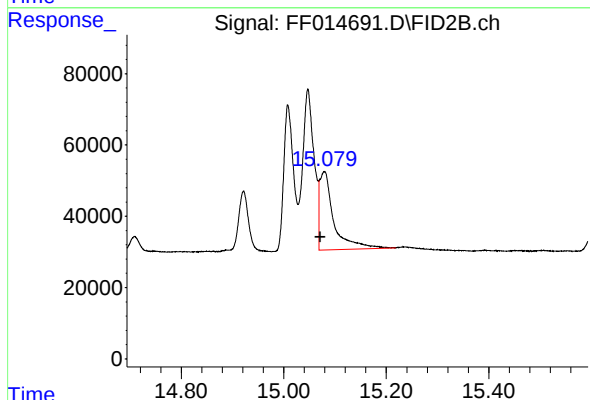
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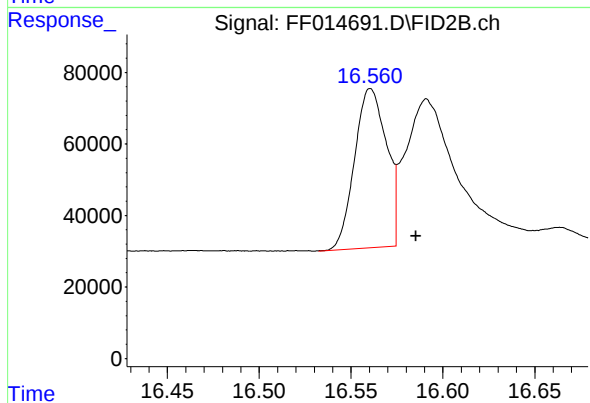
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.047 min
Delta R.T.: 0.015 min
Response: 704821
Conc: 7.99 ug/ml



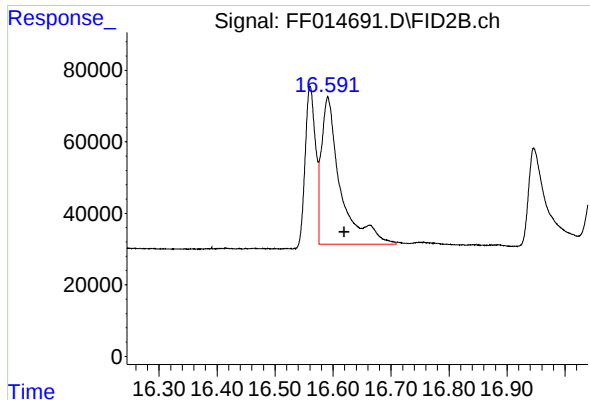
#15 Chrysene (C27.41)

R.T.: 15.079 min
Delta R.T.: 0.008 min
Response: 423280
Conc: 2.95 ug/ml



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

R.T.: 16.560 min
Delta R.T.: -0.025 min
Response: 543860
Conc: 5.63 ug/ml m



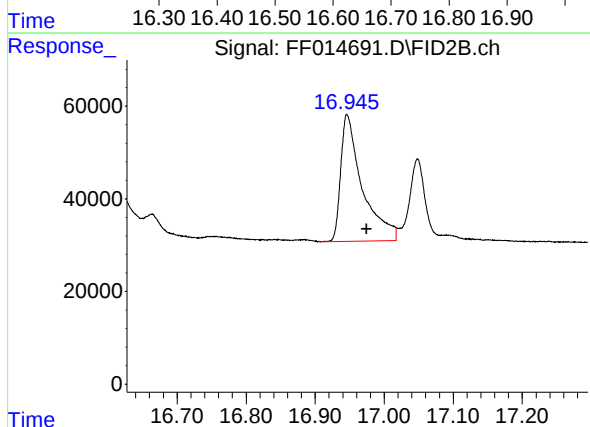
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.591 min
Delta R.T.: -0.029 min
Response: 930254
Conc: 6.85 ug/ml

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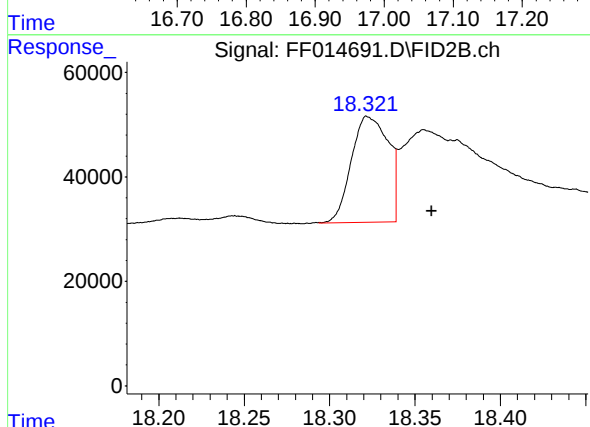
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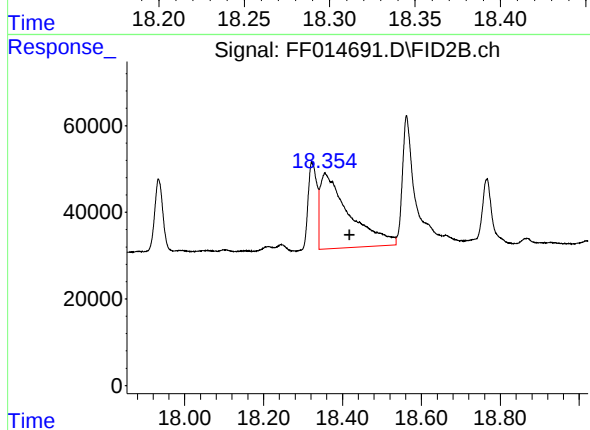
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.945 min
Delta R.T.: -0.029 min
Response: 593789
Conc: 5.42 ug/ml m



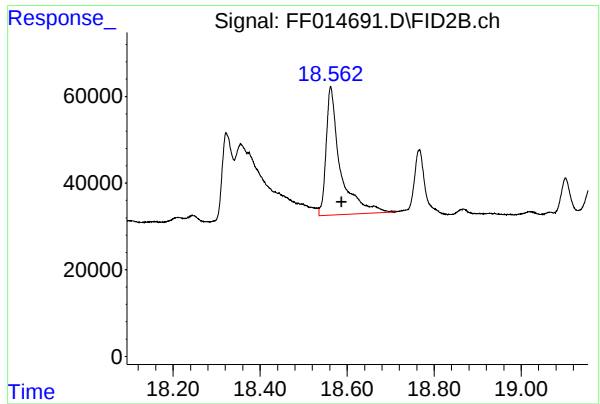
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.321 min
Delta R.T.: -0.039 min
Response: 306895
Conc: 4.79 ug/ml m



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

R.T.: 18.356 min
Delta R.T.: -0.062 min
Response: 892739
Conc: 8.46 ug/ml



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

R.T.: 18.563 min
Delta R.T.: -0.025 min
Response: 674415
Conc: 5.55 ug/ml

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