

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091522AR\
 Data File : FD043872.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2022 14:56
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2022
 Supervised By :Ankita Jodhani 09/15/2022

Integration File: autoint1.e
 Quant Time: Sep 14 19:33:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091522.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 14 19:31:02 2022
 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...	7.446	740190	5.866 ug/ml
Spiked Amount 50.000		Recovery =	11.73%
6) S 2-Fluorobiphenyl (SURR)	8.318	285301	3.954 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	7.91%
11) S ortho-Terphenyl (SURR)	11.316	1180881	6.852 ug/ml
Spiked Amount 50.000		Recovery =	13.70%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.245	903719	6.447 ug/ml
2) T Naphthalene (C11.7)	5.789	715405	5.202 ug/ml
3) T 2-Methylnaphthalene (...)	6.835	756724	5.376 ug/ml
5) T Acenaphthylene (C15.06)	8.096	940050	6.529 ug/ml
7) T Acenaphthene (C15.5)	8.383	1140689	7.109 ug/ml
8) T Flouorene (C16.55)	9.176	808262	5.728 ug/ml
9) T Phenanthrene (C19.36)	10.566	798509	5.788 ug/ml
10) T Anthracene (C19.43)	10.649	803796	5.724 ug/ml
12) T Fluoranthene (C21.85)	12.369	911683	6.314 ug/ml
13) T Pyrene (C20.8)	12.660	876667	6.173 ug/ml
14) T Benzo[a]anthracene (C...	14.533	493226	4.396 ug/ml
15) T Chrysene (C27.41)	14.573	1011659	6.971 ug/ml
16) T benzo[b]fluoranthene ...	16.073	593290	5.248 ug/ml
17) T Bnezo[k]fluoranthene ...	16.108	978341	7.148 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.467	678537	5.846 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.824	469274	5.238 ug/ml
20) T Dibenz[a,h]anthracene...	17.871	656209	5.538 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.063	658031	6.085 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

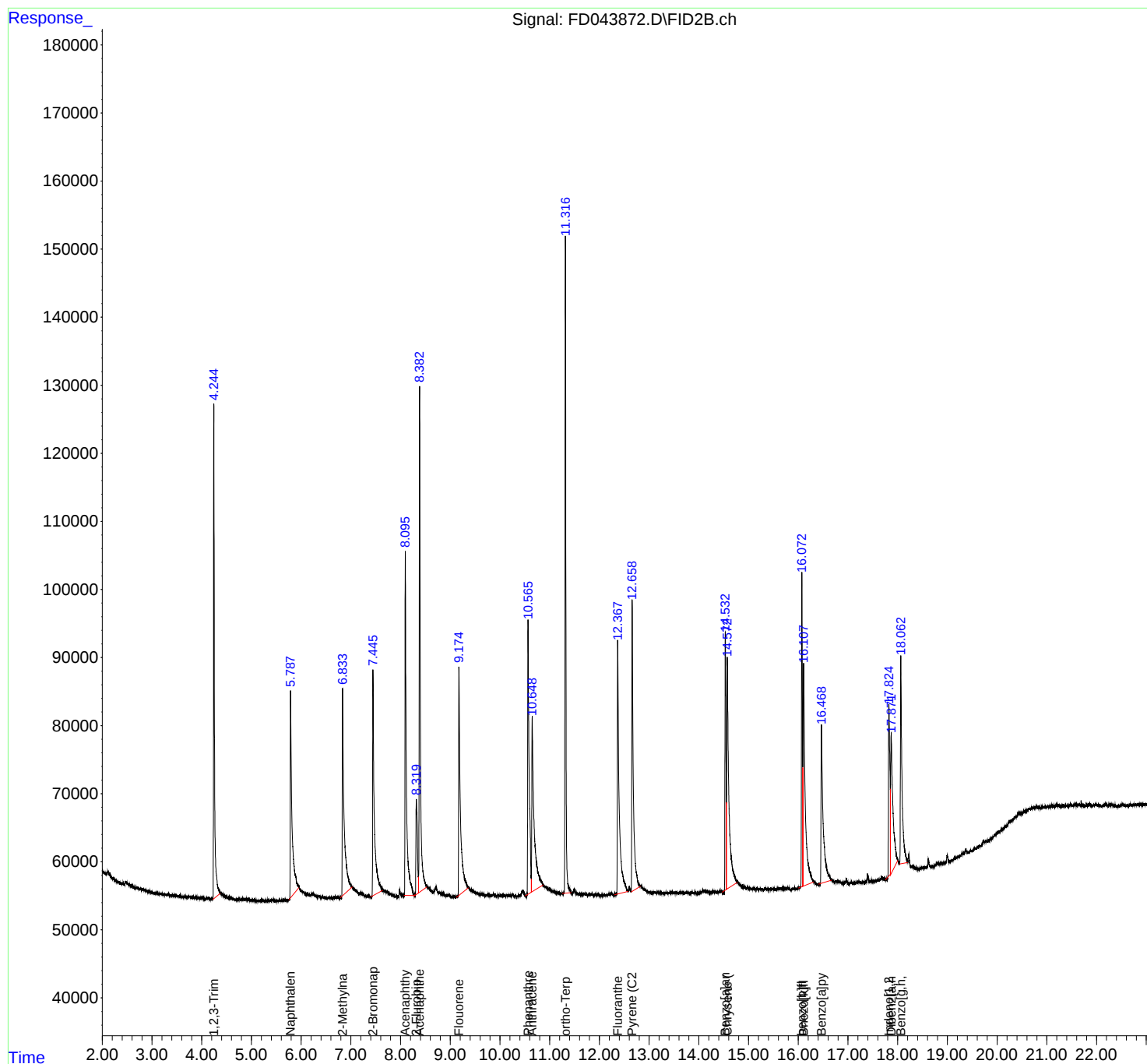
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

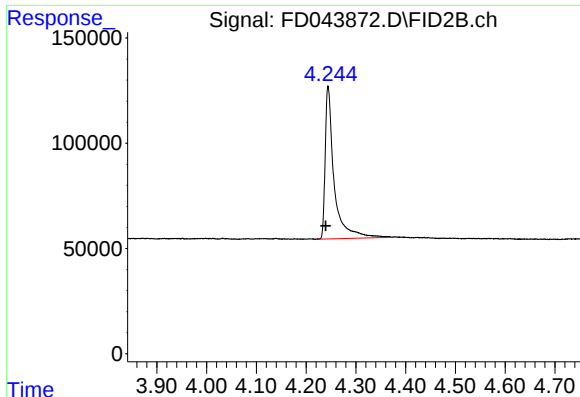
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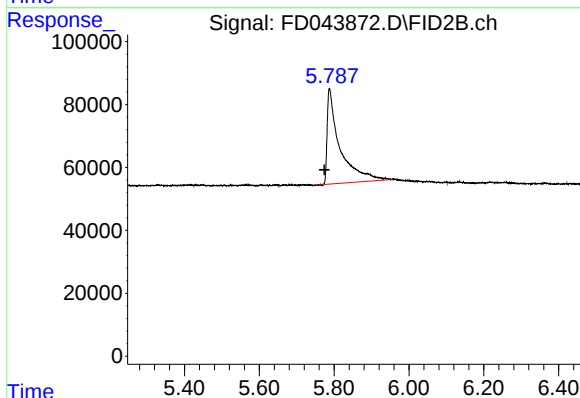
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.245 min
Delta R.T.: 0.005 min
Response: 903719
Conc: 6.45 ug/ml

Instrument :
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ClientSampleId :
5 PPM AROMATIC HC STD5

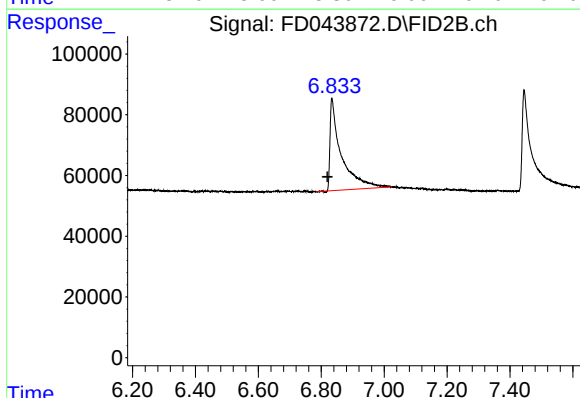
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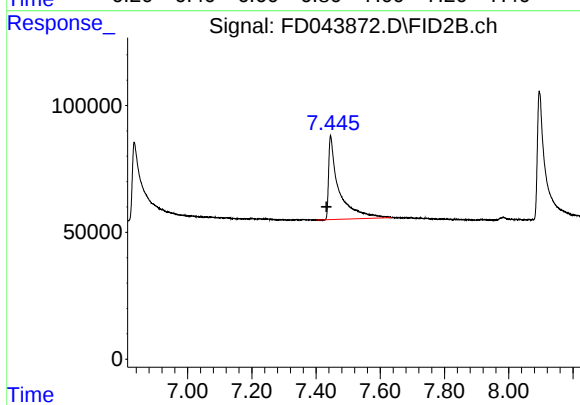
#2 Naphthalene (C11.7)

R.T.: 5.789 min
Delta R.T.: 0.015 min
Response: 715405
Conc: 5.20 ug/ml



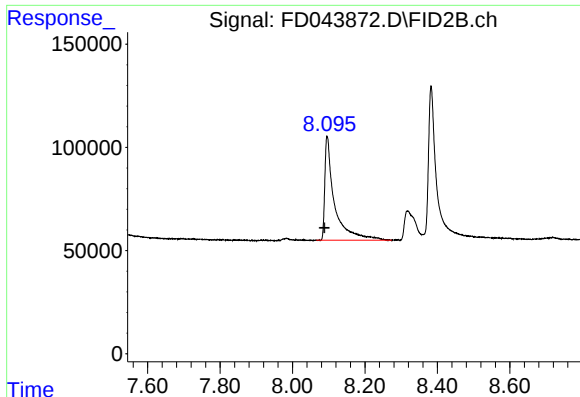
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.835 min
Delta R.T.: 0.016 min
Response: 756724
Conc: 5.38 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.446 min
Delta R.T.: 0.013 min
Response: 740190
Conc: 5.87 ug/ml



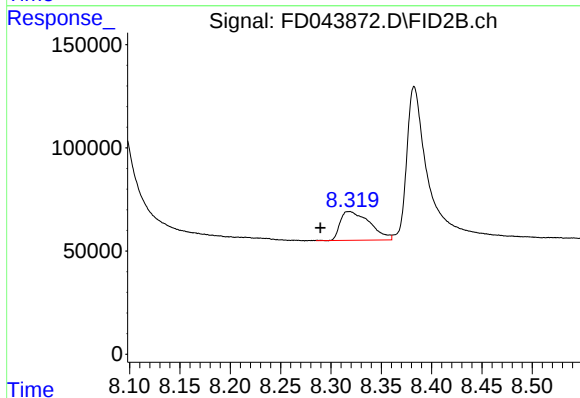
#5 Acenaphthylene (C15.06)

R.T.: 8.096 min
Delta R.T.: 0.009 min
Response: 940050
Conc: 6.53 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

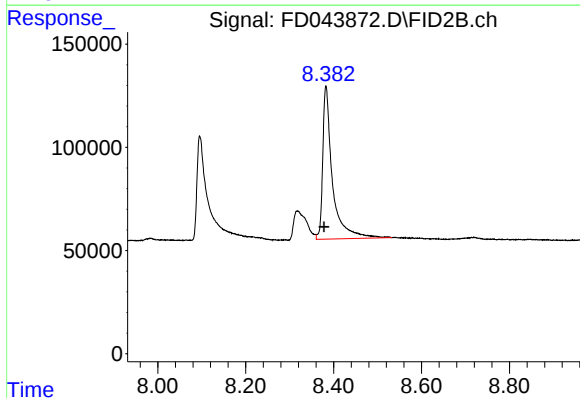
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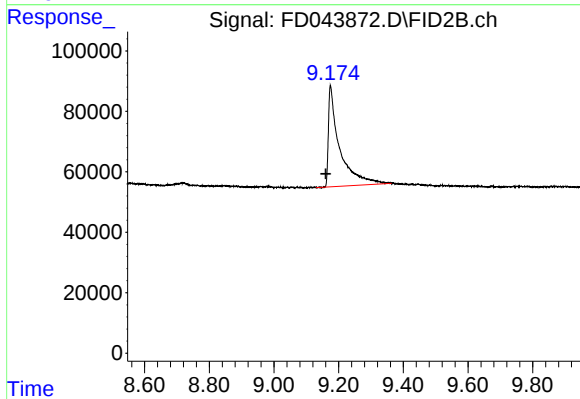
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.318 min
Delta R.T.: 0.029 min
Response: 285301
Conc: 3.95 ug/ml



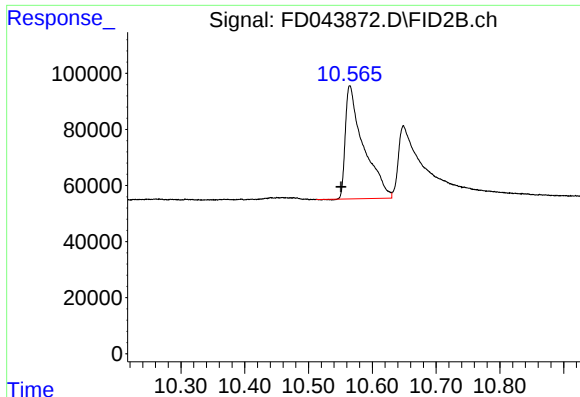
#7 Acenaphthene (C15.5)

R.T.: 8.383 min
Delta R.T.: 0.005 min
Response: 1140689
Conc: 7.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.176 min
Delta R.T.: 0.015 min
Response: 808262
Conc: 5.73 ug/ml



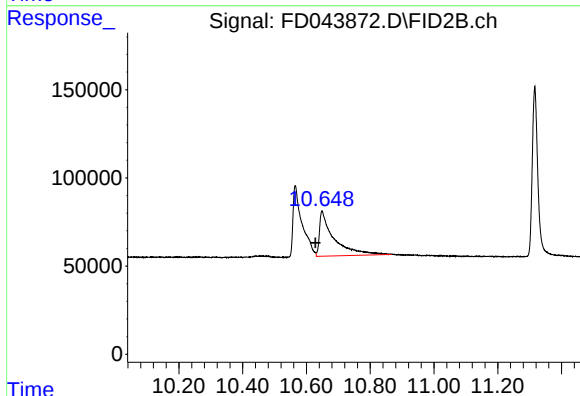
#9 Phenanthrene (C19.36)

R.T.: 10.566 min
Delta R.T.: 0.014 min
Response: 798509
Conc: 5.79 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

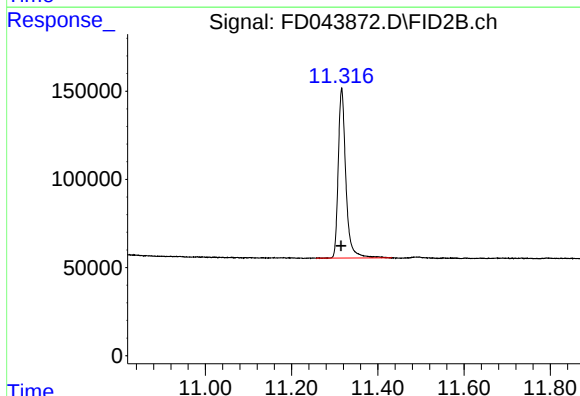
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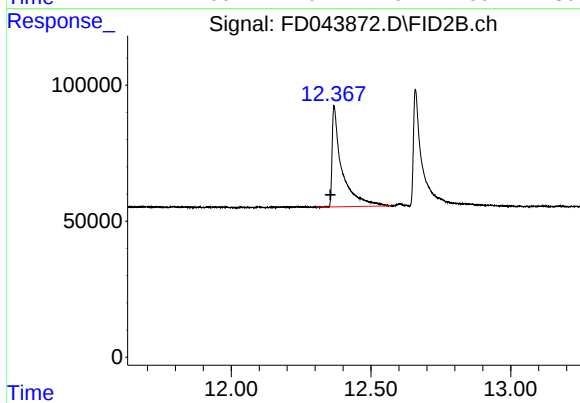
#10 Anthracene (C19.43)

R.T.: 10.649 min
Delta R.T.: 0.022 min
Response: 803796
Conc: 5.72 ug/ml



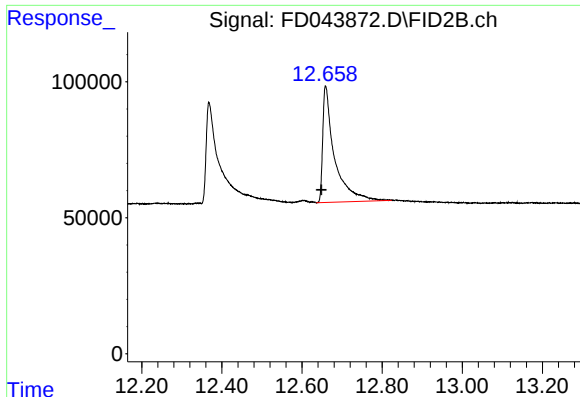
#11 ortho-Terphenyl (SURR)

R.T.: 11.316 min
Delta R.T.: 0.001 min
Response: 1180881
Conc: 6.85 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.369 min
Delta R.T.: 0.014 min
Response: 911683
Conc: 6.31 ug/ml



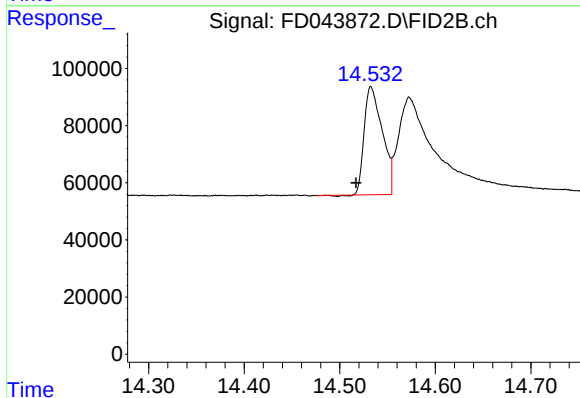
#13 Pyrene (C20.8)

R.T.: 12.660 min
Delta R.T.: 0.011 min
Response: 876667
Conc: 6.17 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

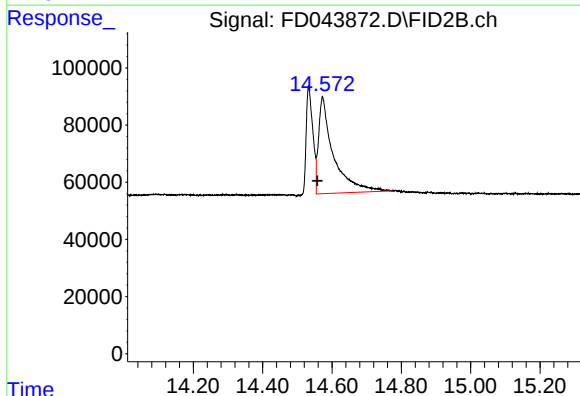
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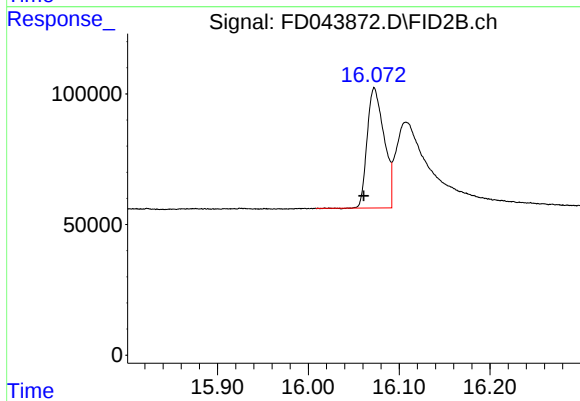
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.533 min
Delta R.T.: 0.016 min
Response: 493226
Conc: 4.40 ug/ml



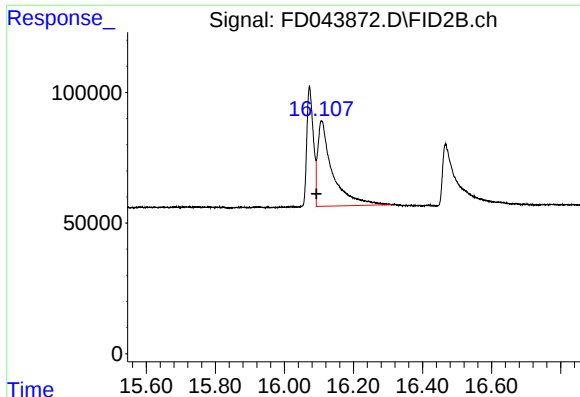
#15 Chrysene (C27.41)

R.T.: 14.573 min
Delta R.T.: 0.015 min
Response: 1011659
Conc: 6.97 ug/ml



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

R.T.: 16.073 min
Delta R.T.: 0.012 min
Response: 593290
Conc: 5.25 ug/ml



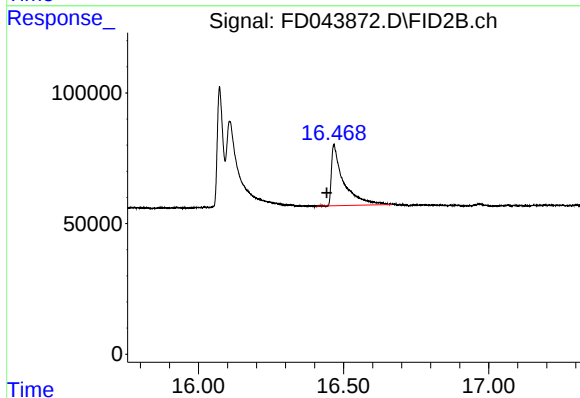
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.108 min
Delta R.T.: 0.015 min
Response: 978341
Conc: 7.15 ug/ml

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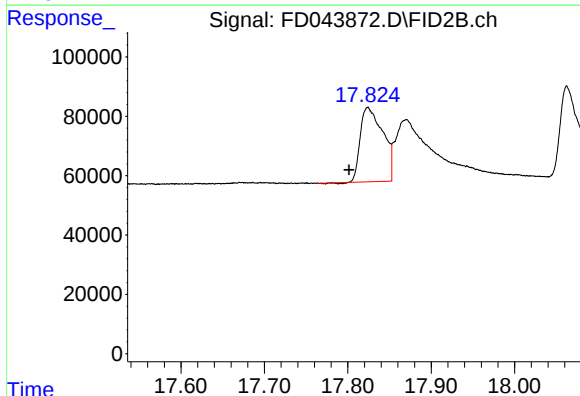
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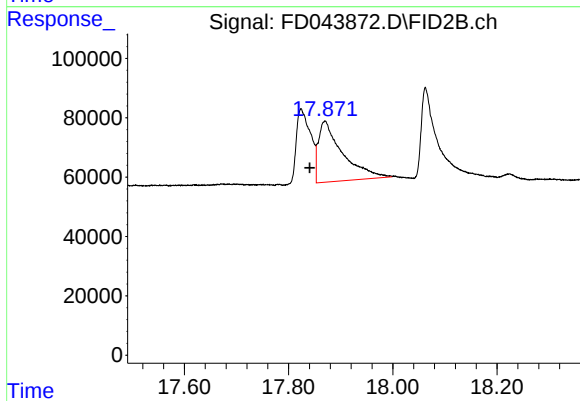
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.467 min
Delta R.T.: 0.025 min
Response: 678537
Conc: 5.85 ug/ml



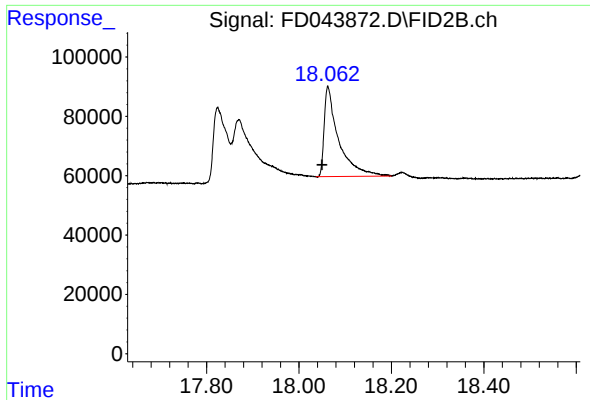
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.824 min
Delta R.T.: 0.023 min
Response: 469274
Conc: 5.24 ug/ml



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

R.T.: 17.871 min
Delta R.T.: 0.030 min
Response: 656209
Conc: 5.54 ug/ml m



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

R.T.: 18.063 min
Delta R.T.: 0.013 min
Response: 658031
Conc: 6.09 ug/ml

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