

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049452.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 07:23
 Operator : YP/AJ
 Sample : Q2126-07
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 08:43:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	6083628	36.597 ug/ml
Spiked Amount 50.000		Recovery =	73.19%
6) S 2-Fluorobiphenyl (SURR)	8.599	4137047	36.164 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	72.33%
11) S ortho-Terphenyl (SURR)	11.644	6607665	32.920 ug/ml
Spiked Amount 50.000		Recovery =	65.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	448123	2.817 ug/mlm
2) T Naphthalene (C11.7)	6.068	536173	3.054 ug/mlm
3) T 2-Methylnaphthalene (...)	7.121	507998	2.844 ug/mlm
5) T Acenaphthylene (C15.06)	8.398	567998	2.932 ug/mlm
7) T Acenaphthene (C15.5)	8.694	603848	3.175 ug/mlm
8) T Fluorene (C16.55)	9.475	569715	2.914 ug/ml
9) T Phenanthrene (C19.36)	10.873	592332	3.115 ug/mlm
10) T Anthracene (C19.43)	10.947	564332	3.228 ug/mlm
12) T Fluoranthene (C21.85)	12.686	579911	3.215 ug/ml
13) T Pyrene (C20.8)	12.983	602216	3.374 ug/mlm
14) T Benzo[a]anthracene (C...	14.854	549355	3.614 ug/mlm
15) T Chrysene (C27.41)	14.896	608283	4.006 ug/ml
16) T benzo[b]fluoranthene ...	16.403	563201	3.891 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.435	556891	3.881 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.781	538011	3.958 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.145	548942	4.298 ug/mlm
20) T Dibenz[a,h]anthracene...	18.186	516918	3.840 ug/ml
21) T Benzo[g,h,i]perylene ...	18.398	564936	4.191 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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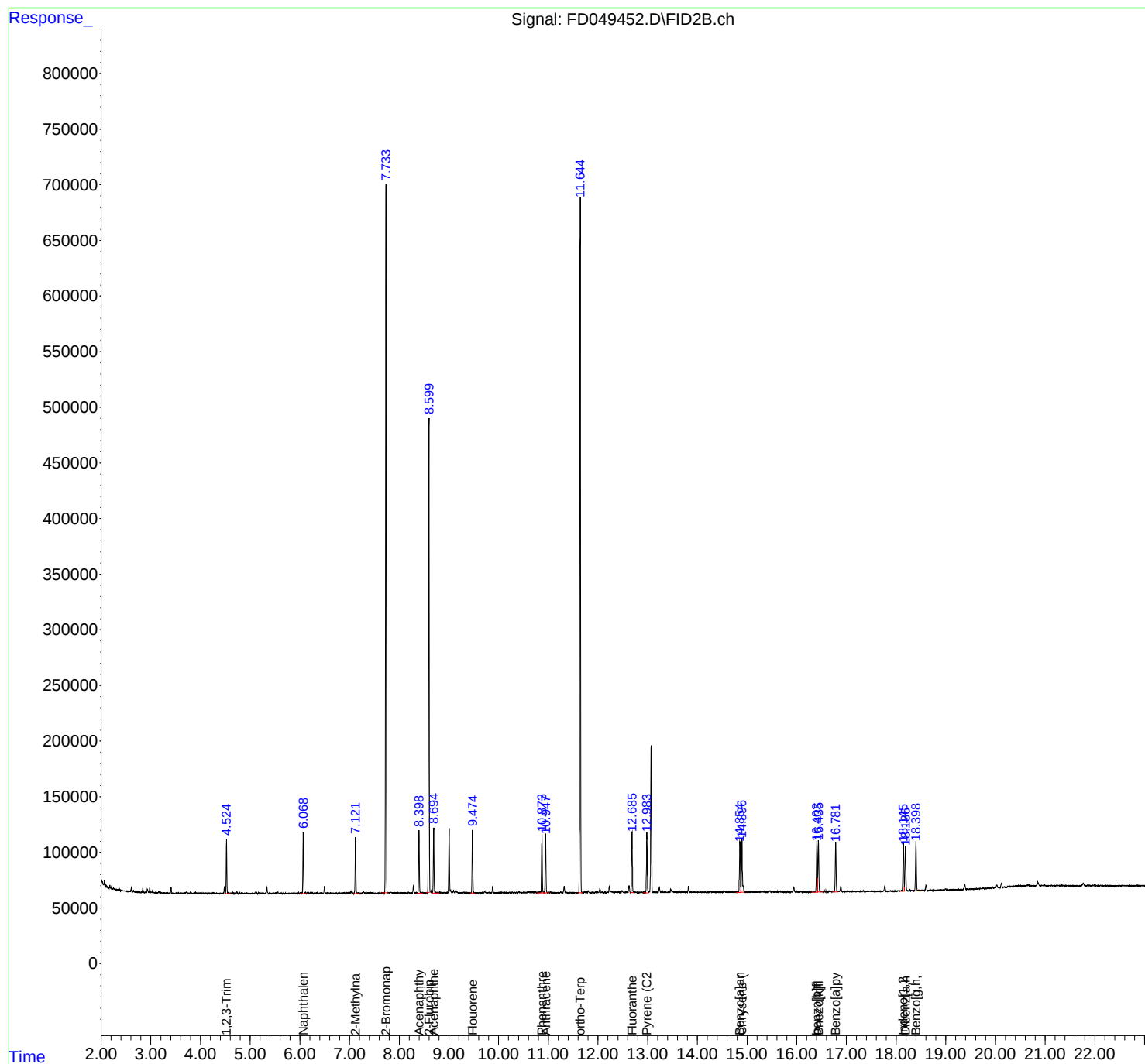
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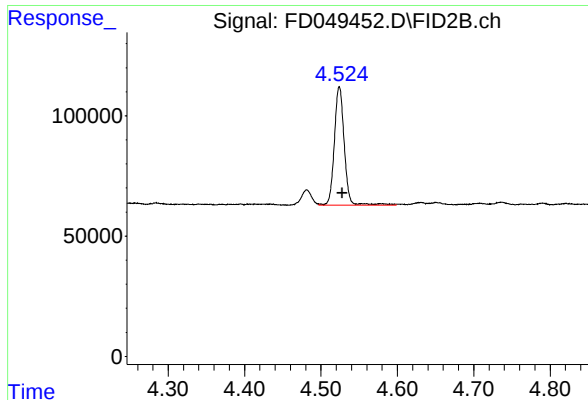
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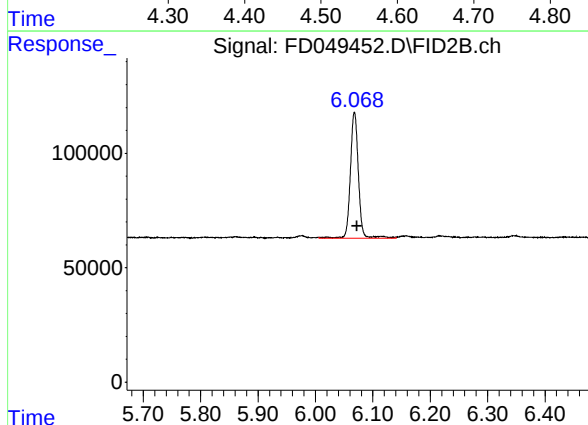
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.524 min
Delta R.T.: -0.004 min
Response: 448123
Conc: 2.82 ug/ml

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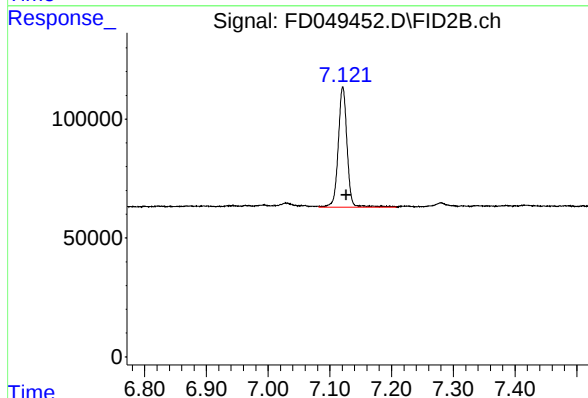
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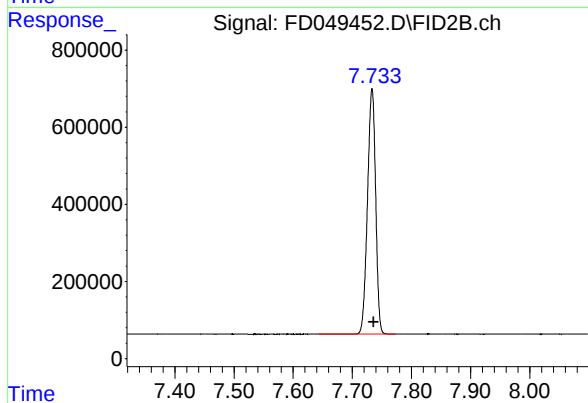
#2 Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: -0.005 min
Response: 536173
Conc: 3.05 ug/ml m



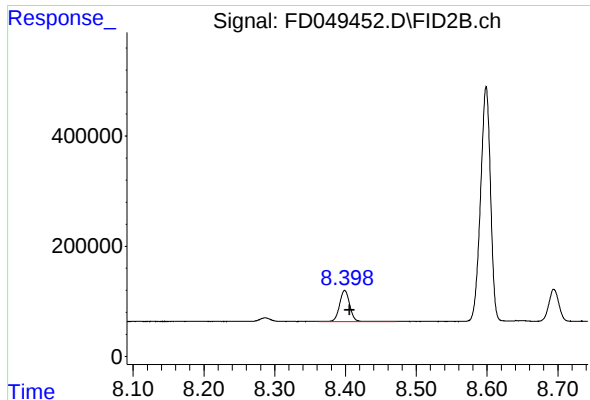
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.121 min
Delta R.T.: -0.006 min
Response: 507998
Conc: 2.84 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 6083628
Conc: 36.60 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.398 min
Delta R.T.: -0.008 min
Response: 567998
Conc: 2.93 ug/ml

Instrument :

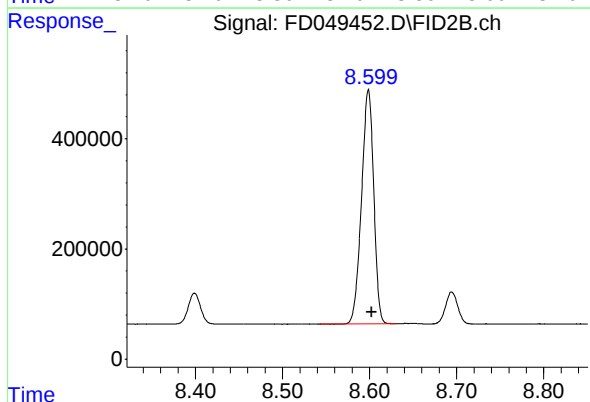
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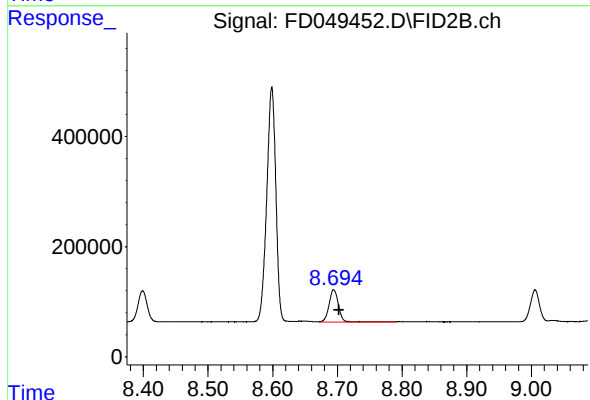
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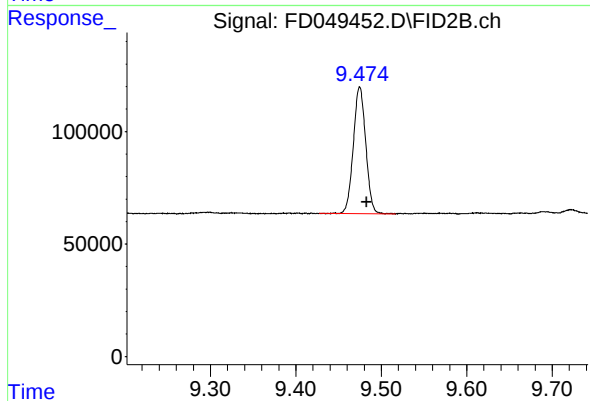
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.004 min
Response: 4137047
Conc: 36.16 ug/ml



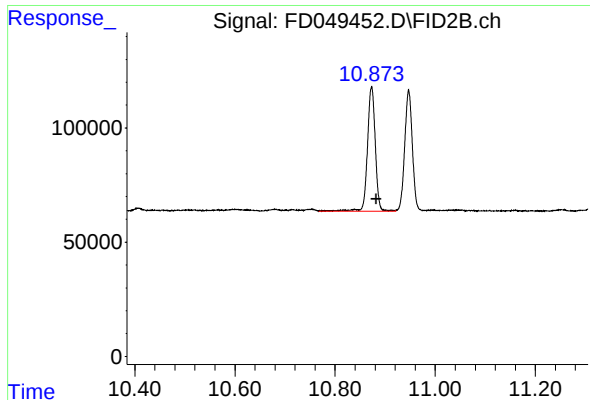
#7 Acenaphthene (C15.5)

R.T.: 8.694 min
Delta R.T.: -0.009 min
Response: 603848
Conc: 3.17 ug/ml m



#8 Fluorene (C16.55)

R.T.: 9.475 min
Delta R.T.: -0.008 min
Response: 569715
Conc: 2.91 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.873 min
Delta R.T.: -0.009 min
Response: 592332
Conc: 3.12 ug/ml

Instrument :

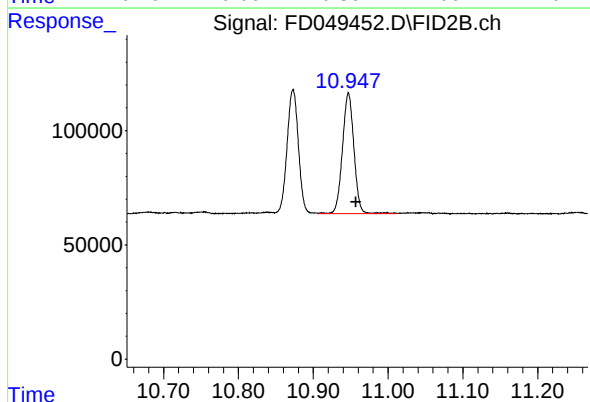
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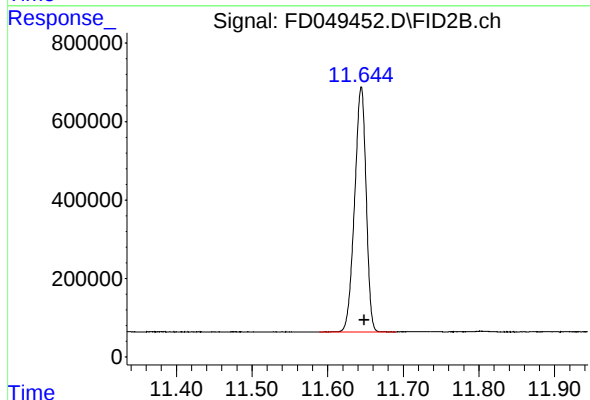
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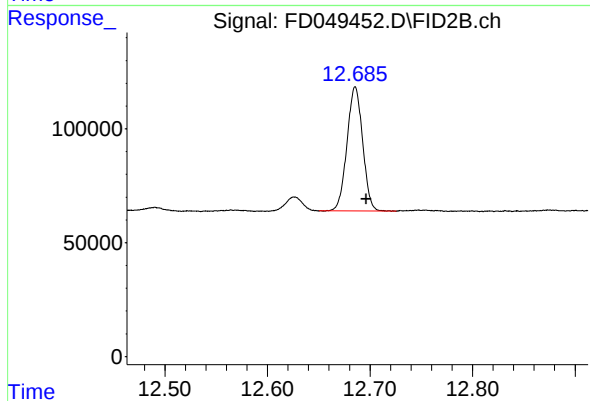
#10 Anthracene (C19.43)

R.T.: 10.947 min
Delta R.T.: -0.010 min
Response: 564332
Conc: 3.23 ug/ml m



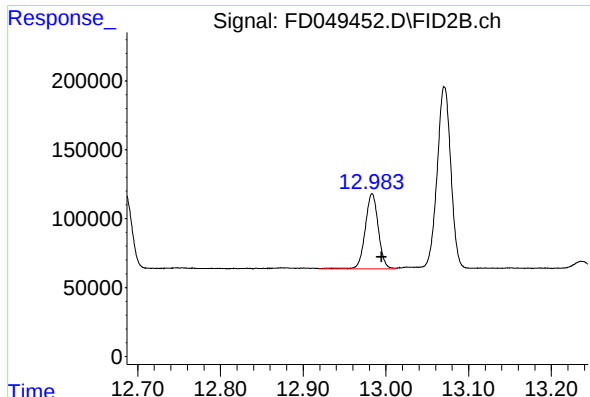
#11 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.004 min
Response: 6607665
Conc: 32.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: -0.011 min
Response: 579911
Conc: 3.22 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.983 min
Delta R.T.: -0.012 min
Response: 602216
Conc: 3.37 ug/ml

Instrument :

FID_D

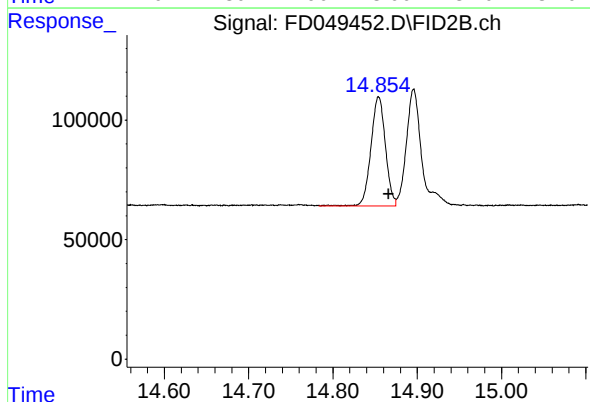
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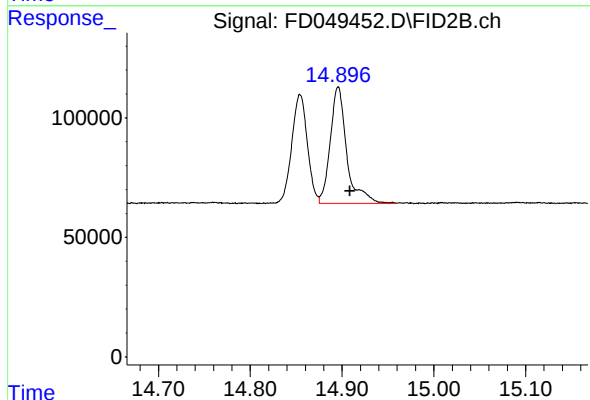
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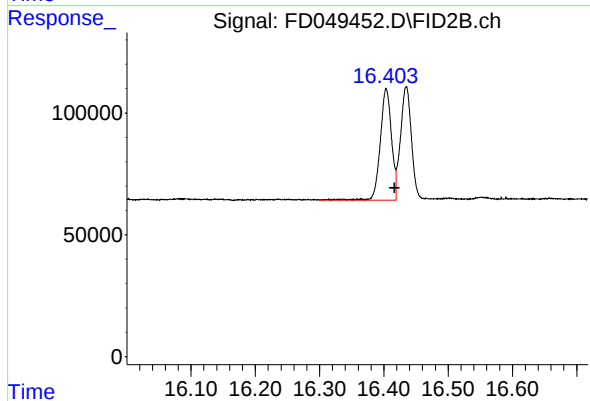
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.854 min
Delta R.T.: -0.013 min
Response: 549355
Conc: 3.61 ug/ml m



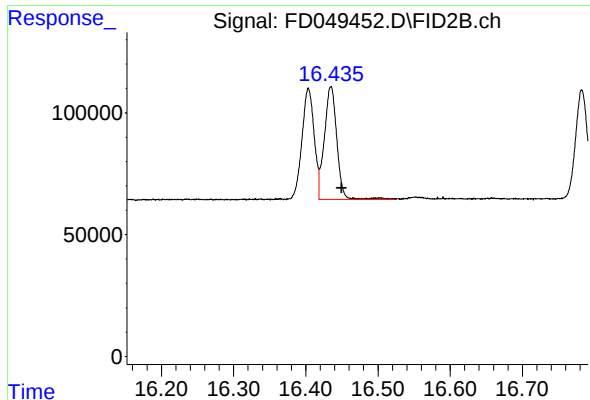
#15 Chrysene (C27.41)

R.T.: 14.896 min
Delta R.T.: -0.013 min
Response: 608283
Conc: 4.01 ug/ml



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

R.T.: 16.403 min
Delta R.T.: -0.014 min
Response: 563201
Conc: 3.89 ug/ml m



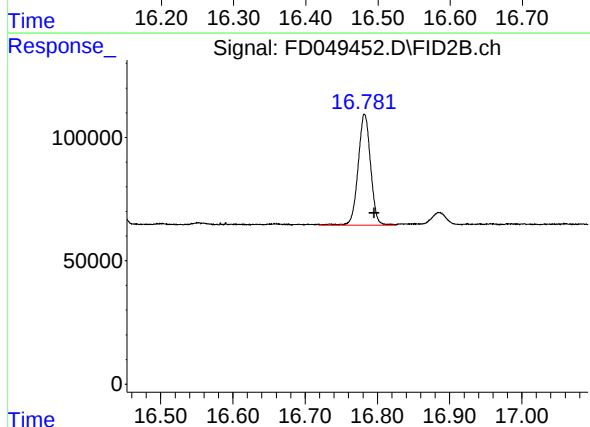
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.435 min
Delta R.T.: -0.014 min
Response: 556891
Conc: 3.88 ug/ml

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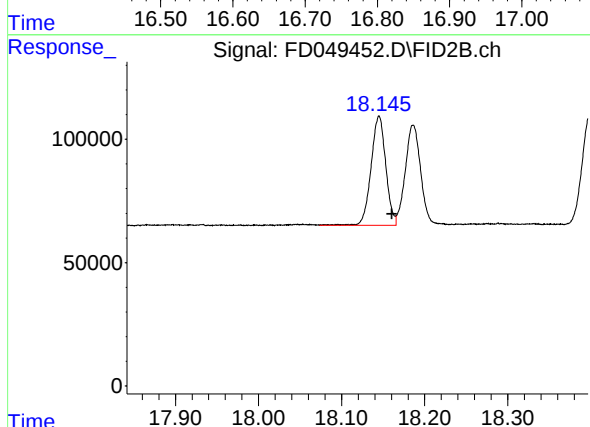
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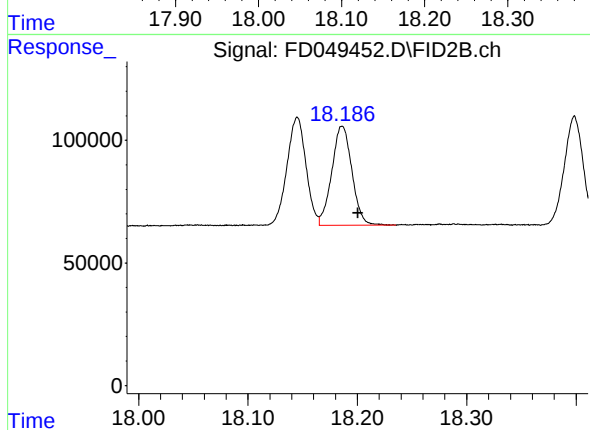
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.781 min
Delta R.T.: -0.015 min
Response: 538011
Conc: 3.96 ug/ml m



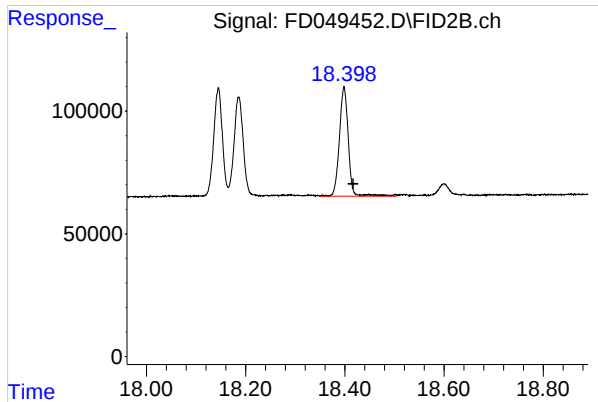
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.145 min
Delta R.T.: -0.016 min
Response: 548942
Conc: 4.30 ug/ml m



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

R.T.: 18.186 min
Delta R.T.: -0.015 min
Response: 516918
Conc: 3.84 ug/ml



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

R.T.: 18.398 min
Delta R.T.: -0.019 min
Response: 564936
Conc: 4.19 ug/ml

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