

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100824AR\
 Data File : FD048441.D
 Signal(s) : FID2B.ch
 Acq On : 08 Oct 2024 19:36
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024
 Supervised By :Ankita Jodhani 10/09/2024

Integration File: autoint1.e
 Quant Time: Oct 09 01:33:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.379	3385551	20.448 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
6) S 2-Fluorobiphenyl (SURR)	8.230	2171131	20.936 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.87%
11) S ortho-Terphenyl (SURR)	11.264	3785231	20.572 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	3784326	21.593 ug/ml
2) T Naphthalene (C11.7)	5.720	3940794	21.106 ug/ml
3) T 2-Methylnaphthalene (...)	6.766	3947780	20.889 ug/ml
5) T Acenaphthylene (C15.06)	8.032	3869327	20.169 ug/ml
7) T Acenaphthene (C15.5)	8.326	3968718	20.981 ug/ml
8) T Flouorene (C16.55)	9.105	3779857	20.921 ug/ml
9) T Phenanthrene (C19.36)	10.492	3762177	21.228 ug/ml
10) T Anthracene (C19.43)	10.568	2976184	16.726 ug/ml
12) T Fluoranthene (C21.85)	12.295	3690836	20.406 ug/ml
13) T Pyrene (C20.8)	12.588	3607559	20.146 ug/ml
14) T Benzo[a]anthracene (C...	14.457	3231306	20.219 ug/ml
15) T Chrysene (C27.41)	14.498	3692725	19.797 ug/ml
16) T benzo[b]fluoranthene ...	16.003	3395700	20.390 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.034	3393728	19.993 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.379	3281335	20.076 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.741	2700528	20.530 ug/ml
20) T Dibenz[a,h]anthracene...	17.783	3574805	21.363 ug/ml
21) T Benzo[g,h,i]perylene ...	17.992	3313501	20.400 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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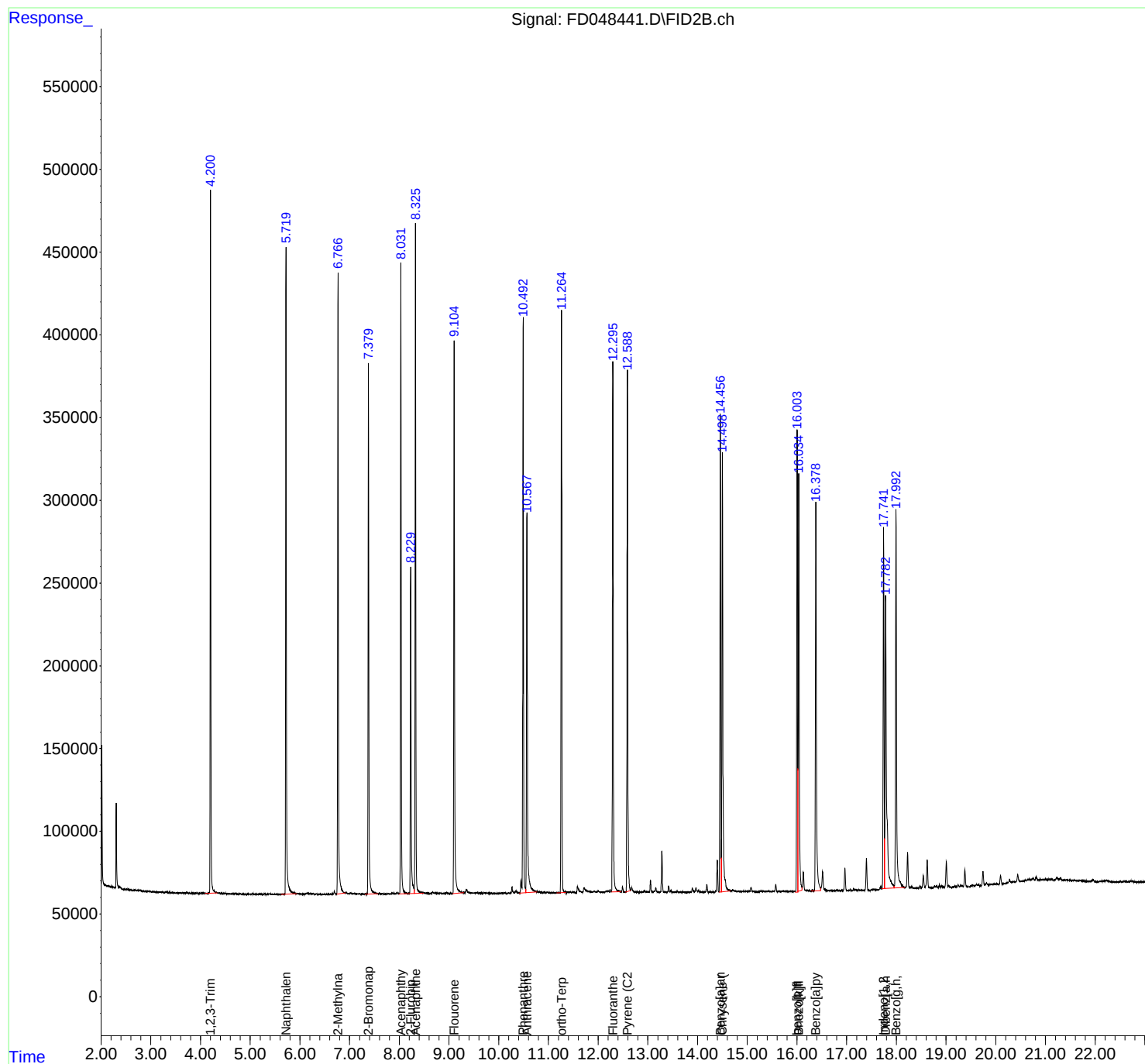
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20 PPM AROMATIC HC STD

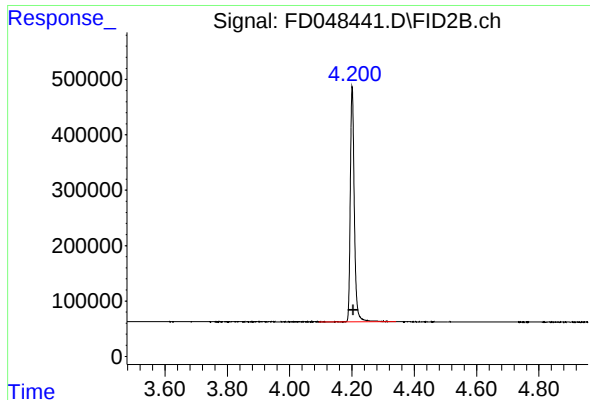
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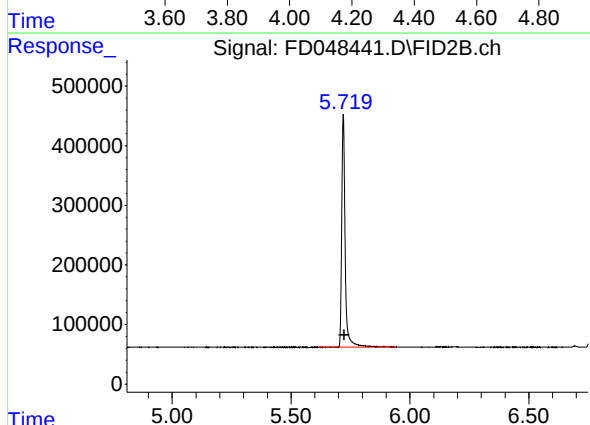
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.201 min
Delta R.T.: -0.003 min
Response: 3784326
Conc: 21.59 ug/ml

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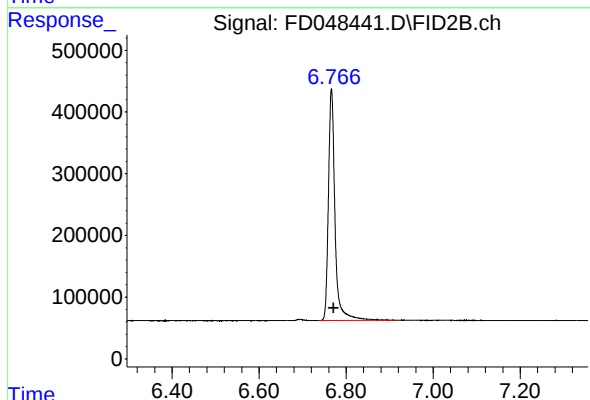
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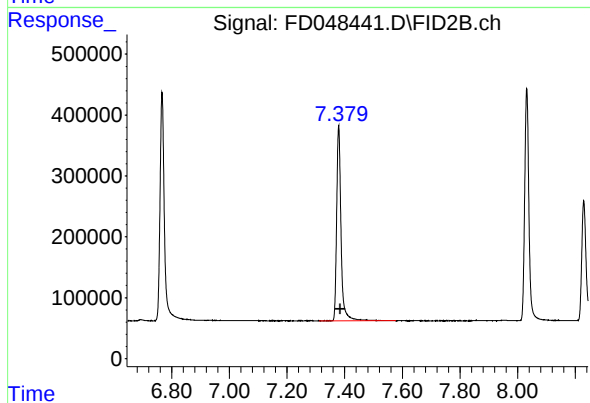
#2 Naphthalene (C11.7)

R.T.: 5.720 min
Delta R.T.: -0.005 min
Response: 3940794
Conc: 21.11 ug/ml



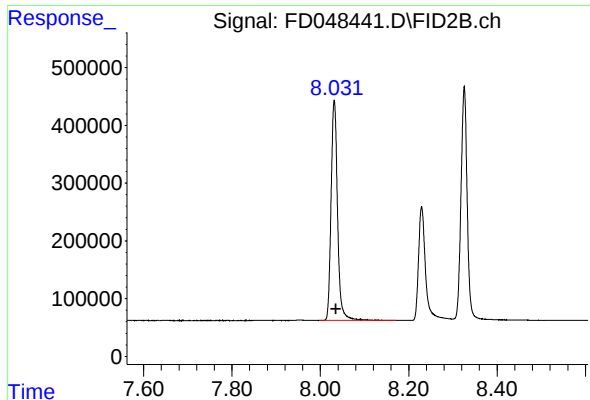
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.766 min
Delta R.T.: -0.006 min
Response: 3947780
Conc: 20.89 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 3385551
Conc: 20.45 ug/ml



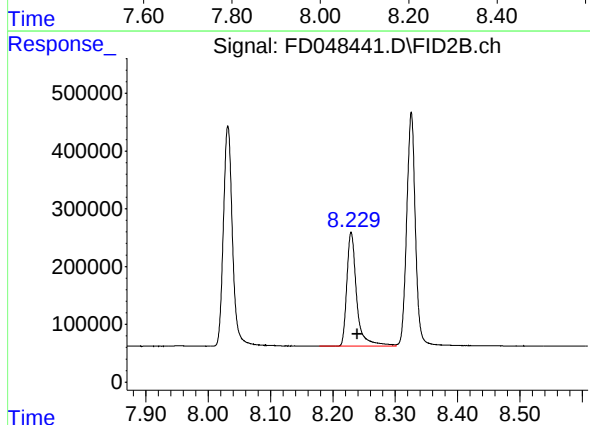
#5 Acenaphthylene (C15.06)

R.T.: 8.032 min
Delta R.T.: -0.004 min
Response: 3869327
Conc: 20.17 ug/ml

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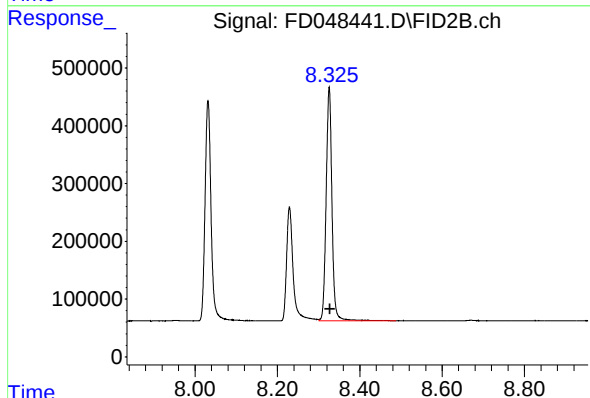
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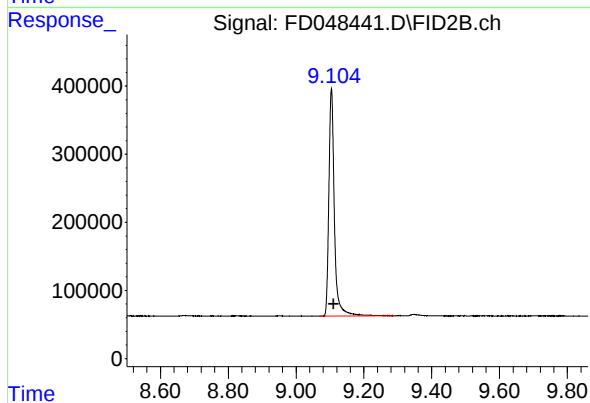
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: -0.009 min
Response: 2171131
Conc: 20.94 ug/ml



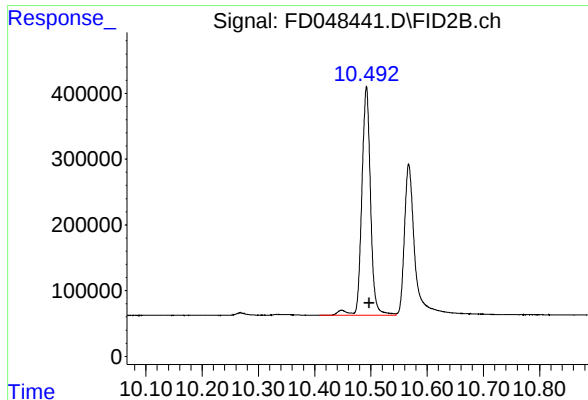
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: -0.002 min
Response: 3968718
Conc: 20.98 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.105 min
Delta R.T.: -0.006 min
Response: 3779857
Conc: 20.92 ug/ml



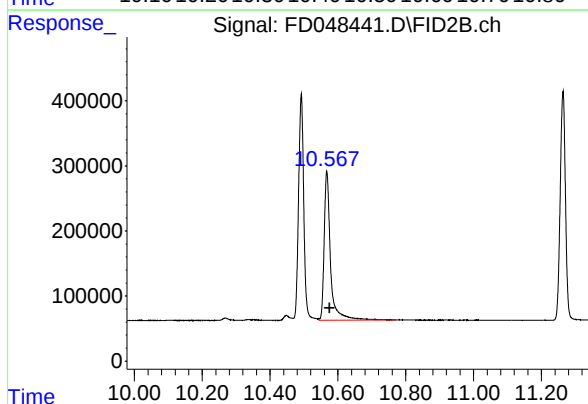
#9 Phenanthrene (C19.36)

R.T.: 10.492 min
Delta R.T.: -0.005 min
Response: 3762177
Conc: 21.23 ug/ml

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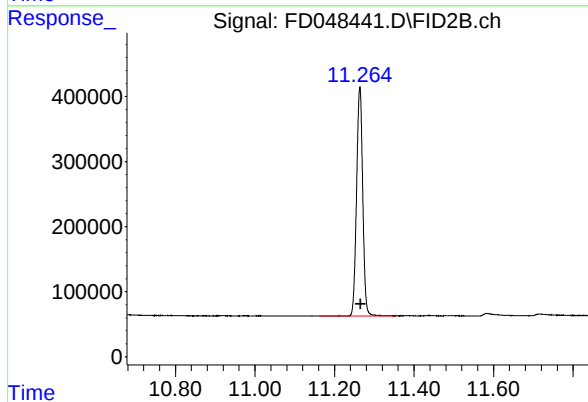
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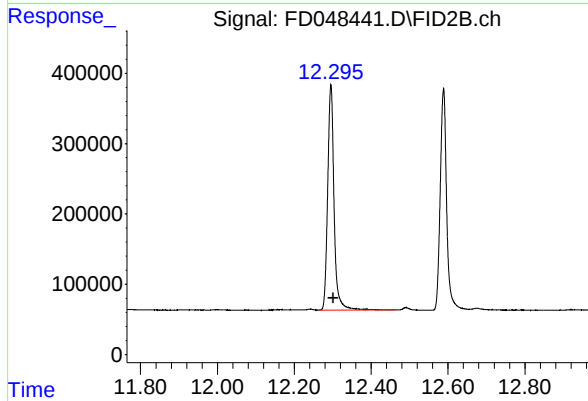
#10 Anthracene (C19.43)

R.T.: 10.568 min
Delta R.T.: -0.007 min
Response: 2976184
Conc: 16.73 ug/ml



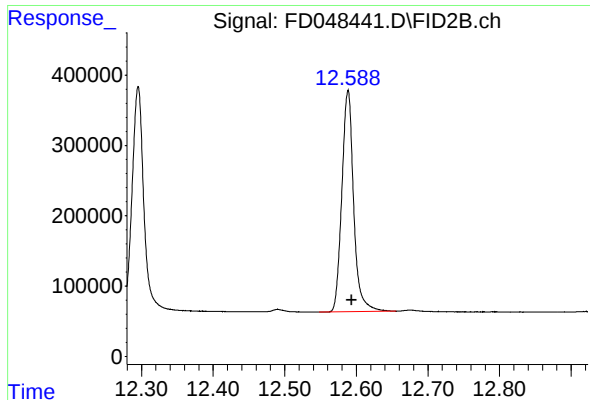
#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: -0.002 min
Response: 3785231
Conc: 20.57 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.295 min
Delta R.T.: -0.006 min
Response: 3690836
Conc: 20.41 ug/ml



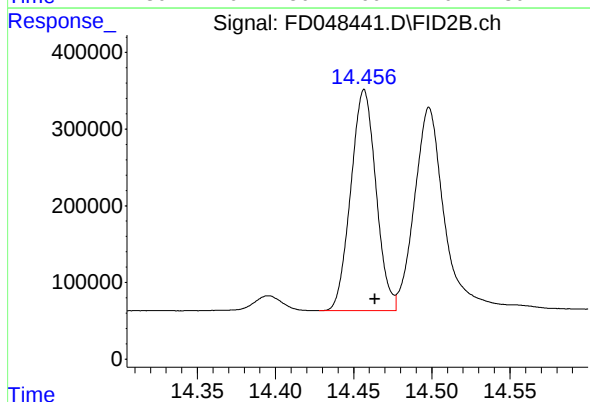
#13 Pyrene (C20.8)

R.T.: 12.588 min
Delta R.T.: -0.005 min
Response: 3607559
Conc: 20.15 ug/ml

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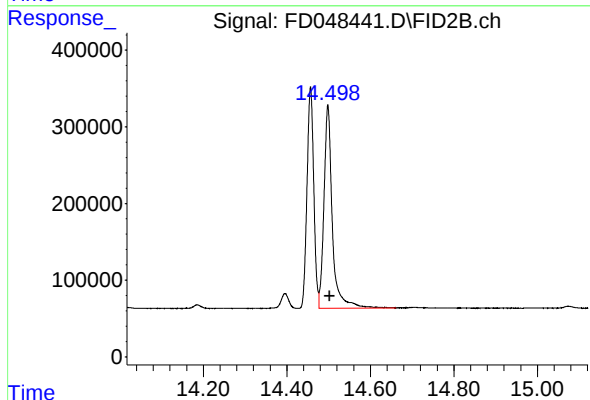
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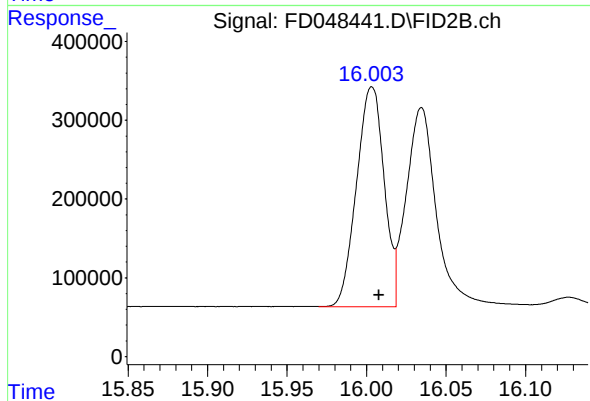
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.457 min
Delta R.T.: -0.007 min
Response: 3231306
Conc: 20.22 ug/ml



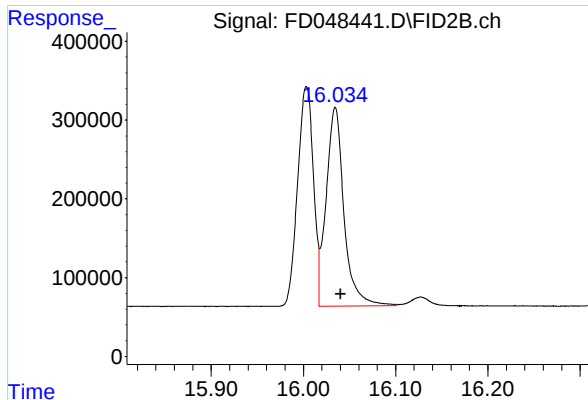
#15 Chrysene (C27.41)

R.T.: 14.498 min
Delta R.T.: -0.004 min
Response: 3692725
Conc: 19.80 ug/ml



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

R.T.: 16.003 min
Delta R.T.: -0.005 min
Response: 3395700
Conc: 20.39 ug/ml m



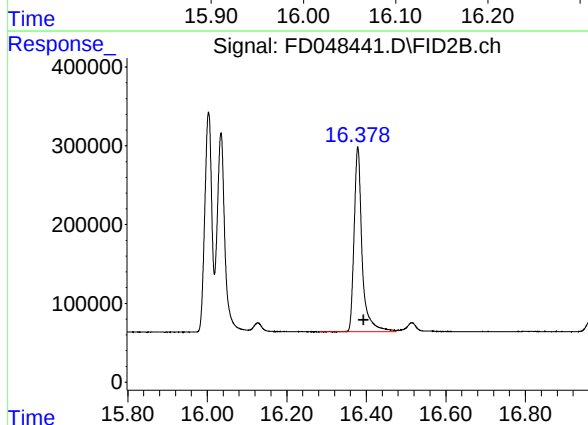
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.034 min
Delta R.T.: -0.006 min
Response: 3393728
Conc: 19.99 ug/ml

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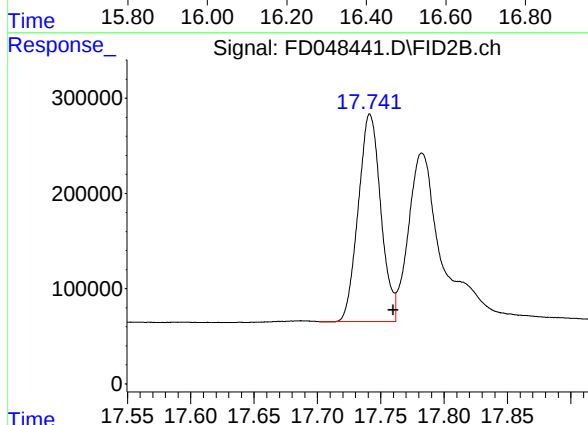
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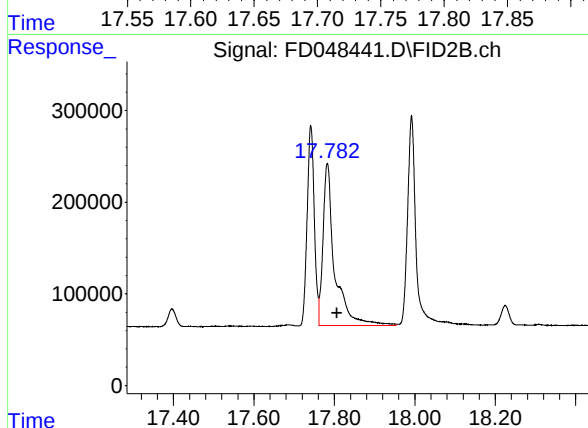
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.379 min
Delta R.T.: -0.014 min
Response: 3281335
Conc: 20.08 ug/ml



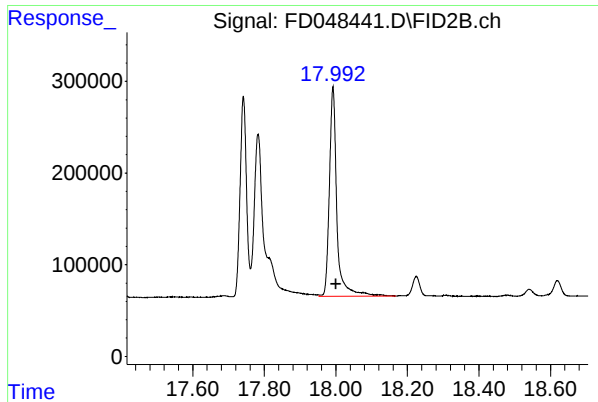
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.741 min
Delta R.T.: -0.018 min
Response: 2700528
Conc: 20.53 ug/ml



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

R.T.: 17.783 min
Delta R.T.: -0.024 min
Response: 3574805
Conc: 21.36 ug/ml



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

R.T.: 17.992 min
Delta R.T.: -0.009 min
Response: 3313501
Conc: 20.40 ug/ml

Instrument :

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