

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051024AR\
 Data File : FD047706.D
 Signal(s) : FID2B.ch
 Acq On : 10 May 2024 17:07
 Operator : YP/AJ
 Sample : P2403-02
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:56:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 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...	7.464	9161019	58.414 ug/ml
Spiked Amount 50.000		Recovery =	116.83%
6) S 2-Fluorobiphenyl (SURR)	8.318	6044675	57.787 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.57%
11) S ortho-Terphenyl (SURR)	11.359	9070676	48.368 ug/ml
Spiked Amount 50.000		Recovery =	96.74%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.274	749185	4.634 ug/ml
2) T Naphthalene (C11.7)	5.798	834462	4.932 ug/mlm
3) T 2-Methylnaphthalene (...)	6.847	848881	4.983 ug/mlm
5) T Acenaphthylene (C15.06)	8.117	815958	5.003 ug/mlm
7) T Acenaphthene (C15.5)	8.412	868950	5.169 ug/ml
8) T Flouorene (C16.55)	9.191	864634	5.198 ug/mlm
9) T Phenanthrene (C19.36)	10.581	826510	5.048 ug/ml
10) T Anthracene (C19.43)	10.656	804916	5.374 ug/ml
12) T Fluoranthene (C21.85)	12.388	846047	5.099 ug/ml
13) T Pyrene (C20.8)	12.682	840427	5.165 ug/ml
14) T Benzo[a]anthracene (C...	14.551	758473	5.196 ug/mlm
15) T Chrysene (C27.41)	14.591	802945	5.095 ug/mlm
16) T benzo[b]fluoranthene ...	16.098	754584	5.052 ug/ml
17) T Bnezo[k]fluoranthene ...	16.129	789238	5.242 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.476	690725	4.787 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.839	664327	4.895 ug/ml
20) T Dibenz[a,h]anthracene...	17.881	730849	5.105 ug/ml
21) T Benzo[g,h,i]perylene ...	18.088	704267	5.129 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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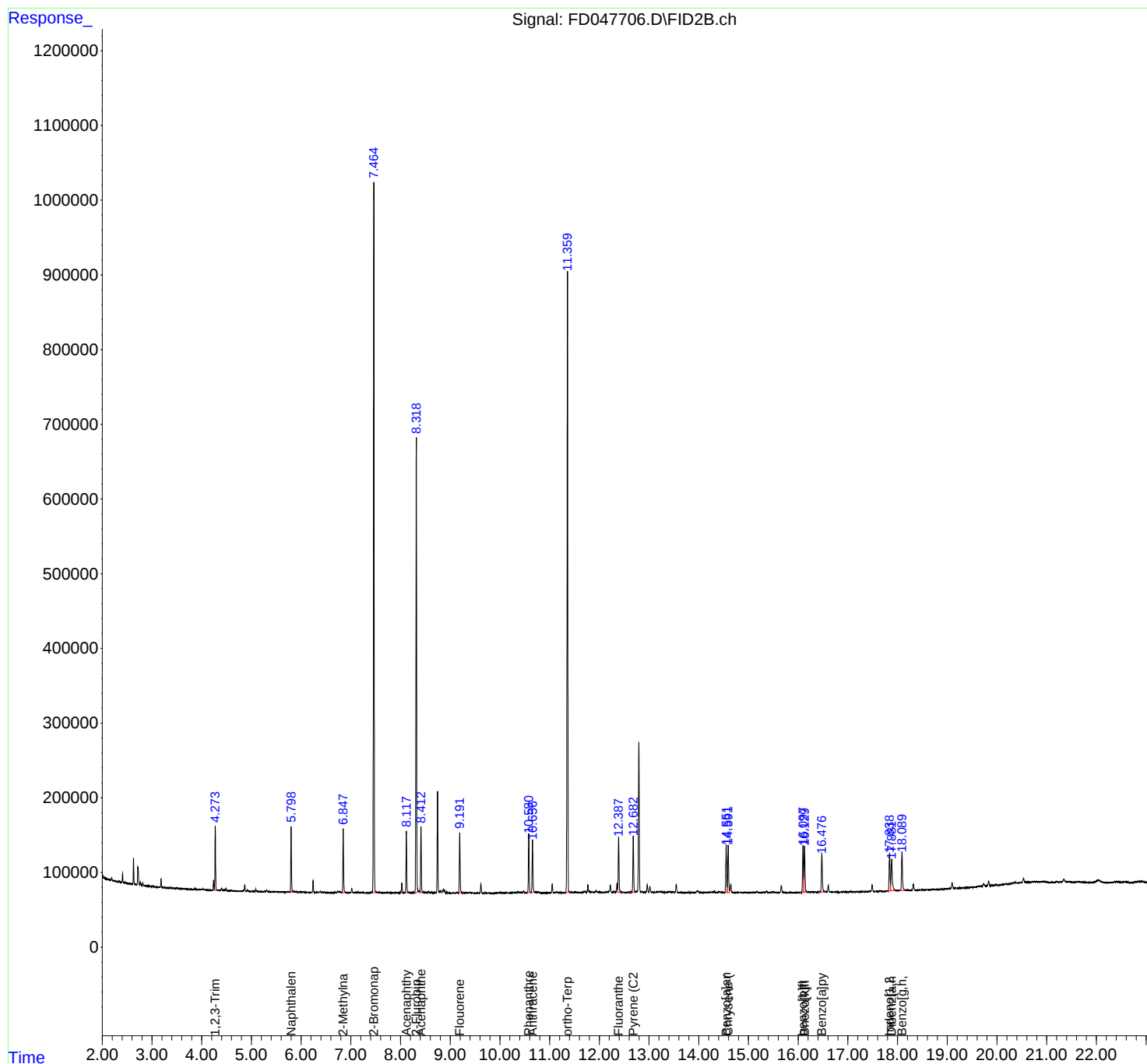
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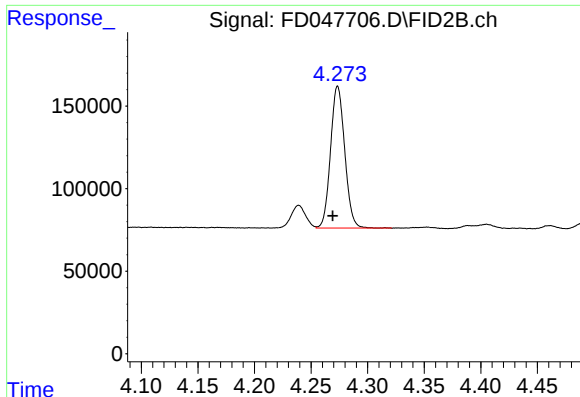
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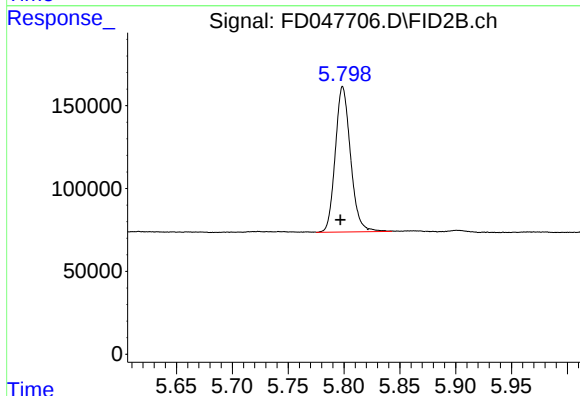
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.274 min
Delta R.T.: 0.005 min
Response: 749185
Conc: 4.63 ug/ml

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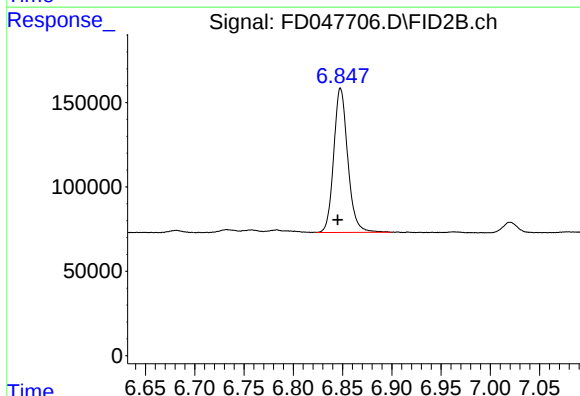
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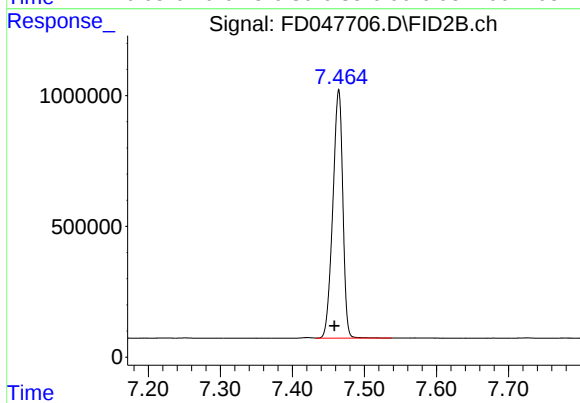
#2 Naphthalene (C11.7)

R.T.: 5.798 min
Delta R.T.: 0.002 min
Response: 834462
Conc: 4.93 ug/ml m



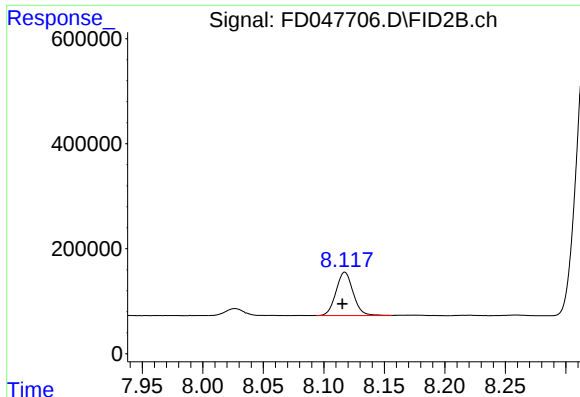
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.847 min
Delta R.T.: 0.002 min
Response: 848881
Conc: 4.98 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.464 min
Delta R.T.: 0.006 min
Response: 9161019
Conc: 58.41 ug/ml



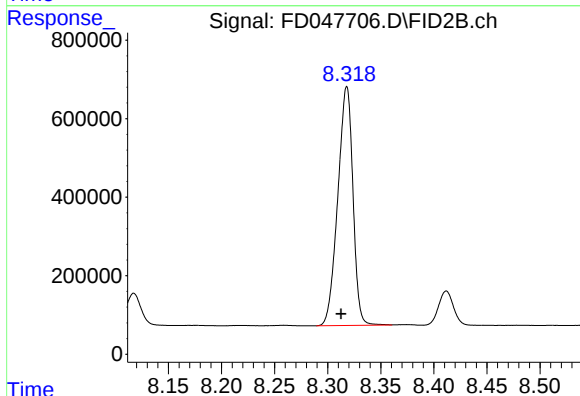
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.001 min
Response: 815958
Conc: 5.00 ug/ml

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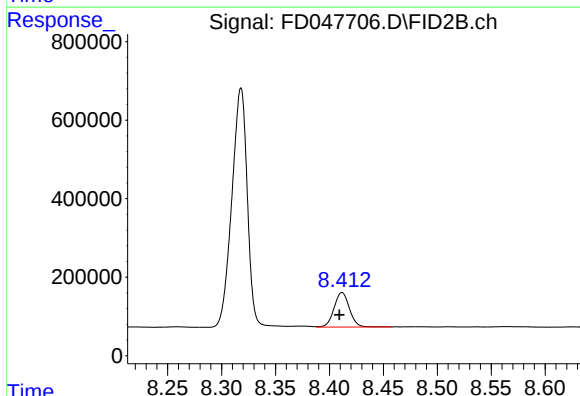
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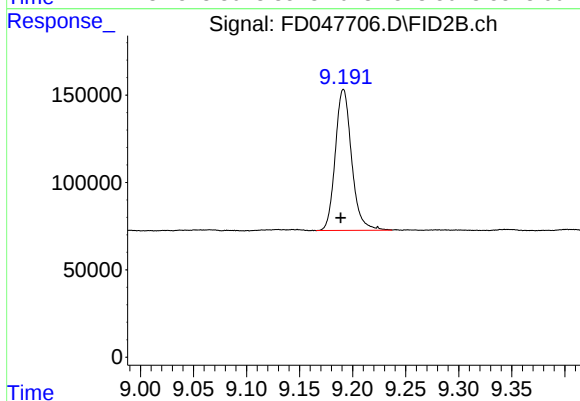
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.318 min
Delta R.T.: 0.005 min
Response: 6044675
Conc: 57.79 ug/ml m



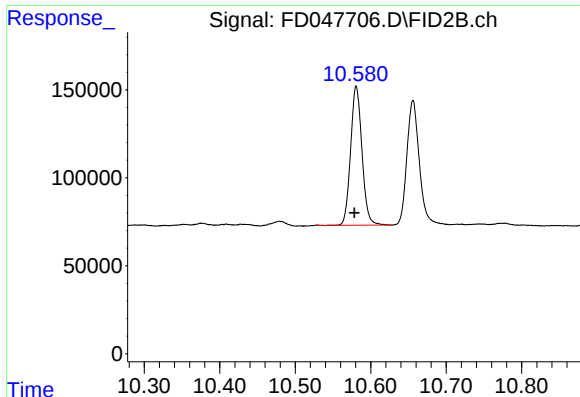
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.002 min
Response: 868950
Conc: 5.17 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.191 min
Delta R.T.: 0.002 min
Response: 864634
Conc: 5.20 ug/ml m



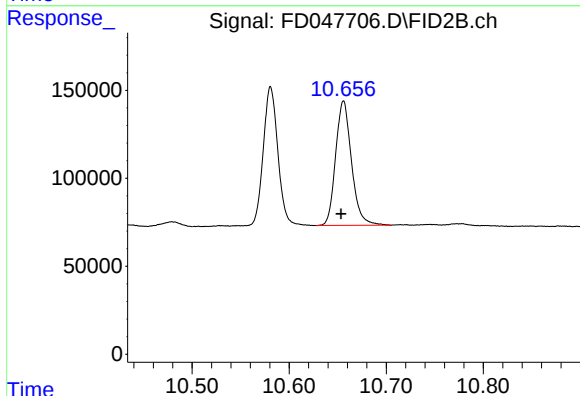
#9 Phenanthrene (C19.36)

R.T.: 10.581 min
Delta R.T.: 0.003 min
Response: 826510
Conc: 5.05 ug/ml

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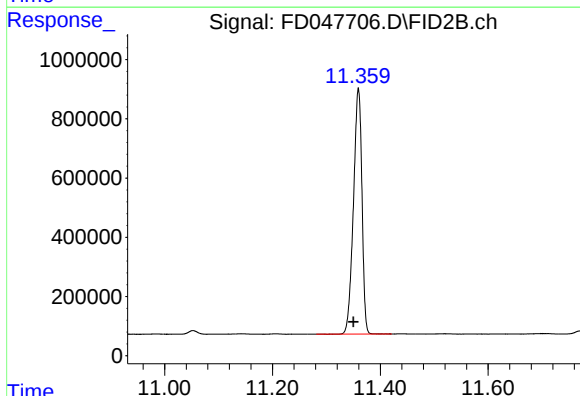
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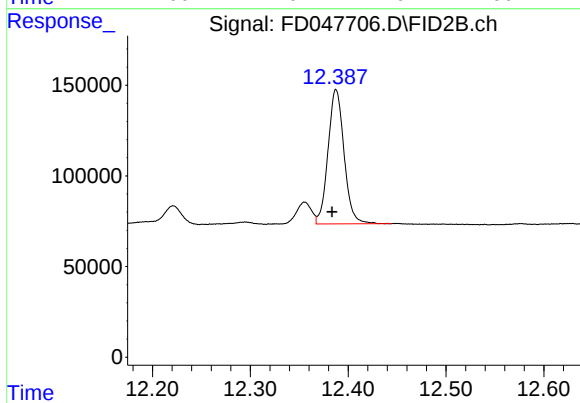
#10 Anthracene (C19.43)

R.T.: 10.656 min
Delta R.T.: 0.003 min
Response: 804916
Conc: 5.37 ug/ml



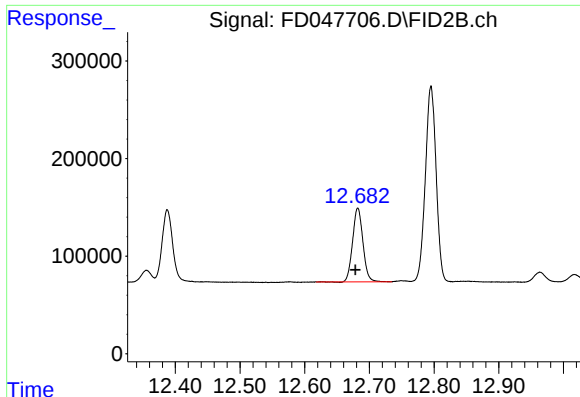
#11 ortho-Terphenyl (SURR)

R.T.: 11.359 min
Delta R.T.: 0.009 min
Response: 9070676
Conc: 48.37 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.388 min
Delta R.T.: 0.004 min
Response: 846047
Conc: 5.10 ug/ml



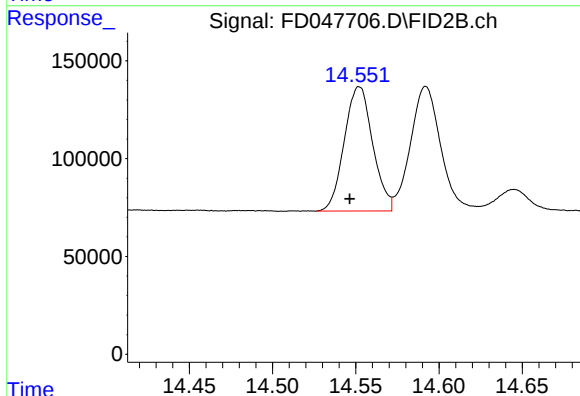
#13 Pyrene (C20.8)

R.T.: 12.682 min
Delta R.T.: 0.004 min
Response: 840427
Conc: 5.17 ug/ml

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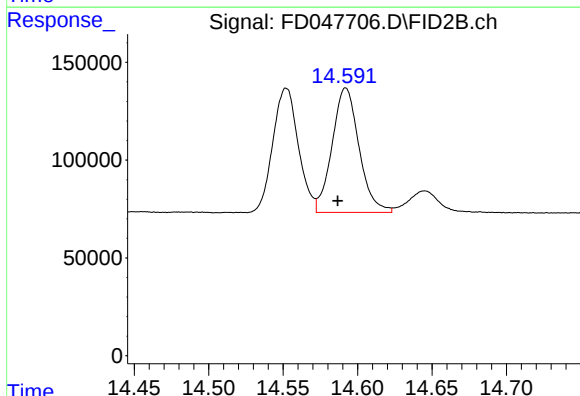
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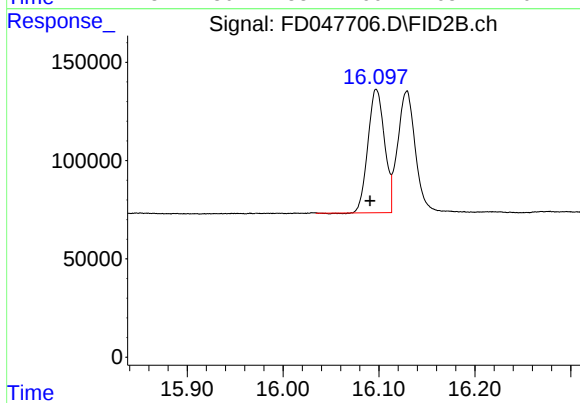
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.551 min
Delta R.T.: 0.005 min
Response: 758473
Conc: 5.20 ug/ml m



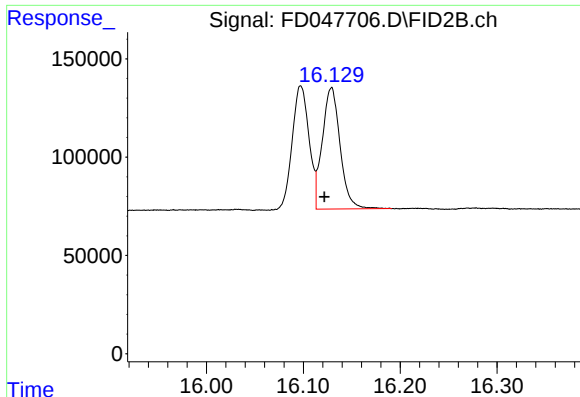
#15 Chrysene (C27.41)

R.T.: 14.591 min
Delta R.T.: 0.005 min
Response: 802945
Conc: 5.10 ug/ml m



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

R.T.: 16.098 min
Delta R.T.: 0.007 min
Response: 754584
Conc: 5.05 ug/ml



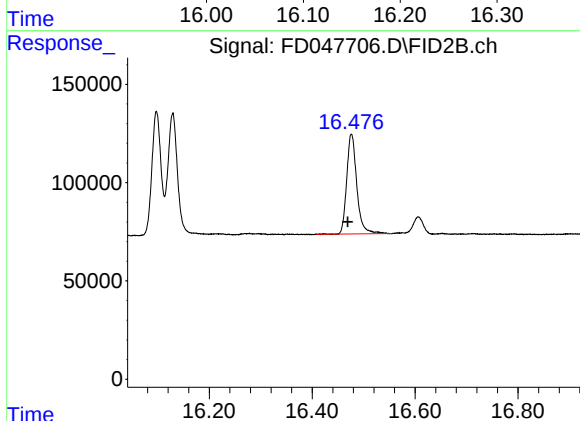
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.129 min
Delta R.T.: 0.007 min
Response: 789238
Conc: 5.24 ug/ml

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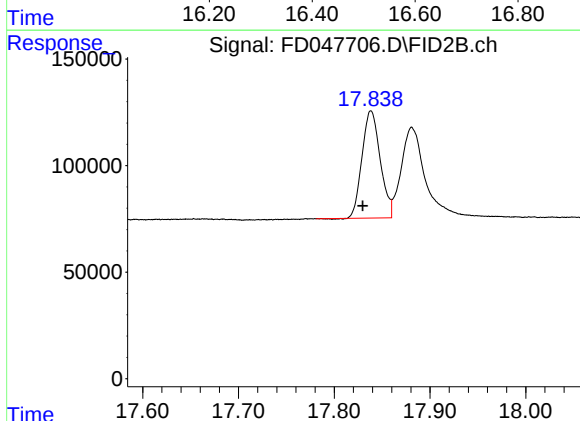
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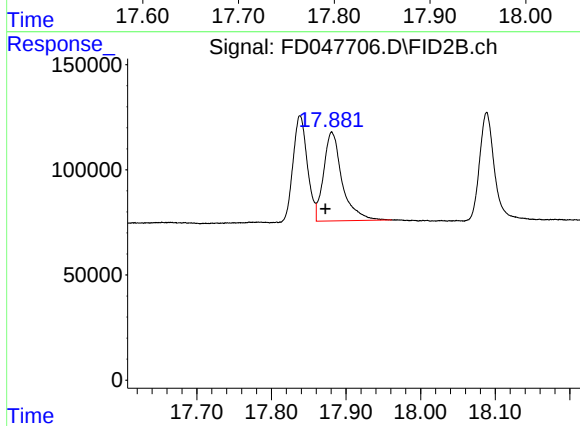
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.476 min
Delta R.T.: 0.007 min
Response: 690725
Conc: 4.79 ug/ml



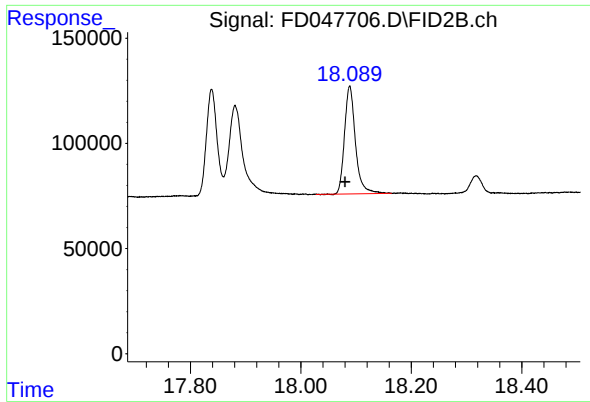
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.839 min
Delta R.T.: 0.009 min
Response: 664327
Conc: 4.89 ug/ml



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

R.T.: 17.881 min
Delta R.T.: 0.009 min
Response: 730849
Conc: 5.10 ug/ml



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

R.T.: 18.088 min
Delta R.T.: 0.009 min
Response: 704267
Conc: 5.13 ug/ml

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