

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080823AR\
 Data File : FD046295.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2023 10:00
 Operator : YP/AJ
 Sample : 03572-03
 Misc : MDL 2.5 PPM
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :Ankita Jodhani 08/09/2023

Integration File: autoint1.e
 Quant Time: Aug 09 01:41:02 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 03:07:14 2023
 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...	7.502	5085445	34.021 ug/ml
Spiked Amount 50.000		Recovery =	68.04%
6) S 2-Fluorobiphenyl (SURR)	8.355	3181438	33.985 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	67.97%
11) S ortho-Terphenyl (SURR)	11.397	8601717	49.254 ug/ml
Spiked Amount 50.000		Recovery =	98.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.315	425638	2.336 ug/ml
2) T Naphthalene (C11.7)	5.841	415277	2.299 ug/ml
3) T 2-Methylnaphthalene (...)	6.889	395551	2.247 ug/ml
5) T Acenaphthylene (C15.06)	8.158	344324	2.257 ug/ml
7) T Acenaphthene (C15.5)	8.452	381764	2.341 ug/ml
8) T Flouorene (C16.55)	9.231	332850	2.187 ug/ml
9) T Phenanthrene (C19.36)	10.620	323722	2.248 ug/ml
10) T Anthracene (C19.43)	10.694	281898	2.154 ug/ml
12) T Fluoranthene (C21.85)	12.422	326943	2.340 ug/ml
13) T Pyrene (C20.8)	12.716	327582	2.364 ug/ml
14) T Benzo[a]anthracene (C...	14.580	262296	1.998 ug/ml
15) T Chrysene (C27.41)	14.621	395911	2.808 ug/ml
16) T benzo[b]fluoranthene ...	16.120	258121	1.887 ug/ml
17) T Bnezo[k]fluoranthene ...	16.151	279476	2.039 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.497	222478	1.709 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.852	176837	1.470 ug/mlm
20) T Dibenz[a,h]anthracene...	17.897	215649	1.686 ug/ml
21) T Benzo[g,h,i]perylene ...	18.103	201960	1.592 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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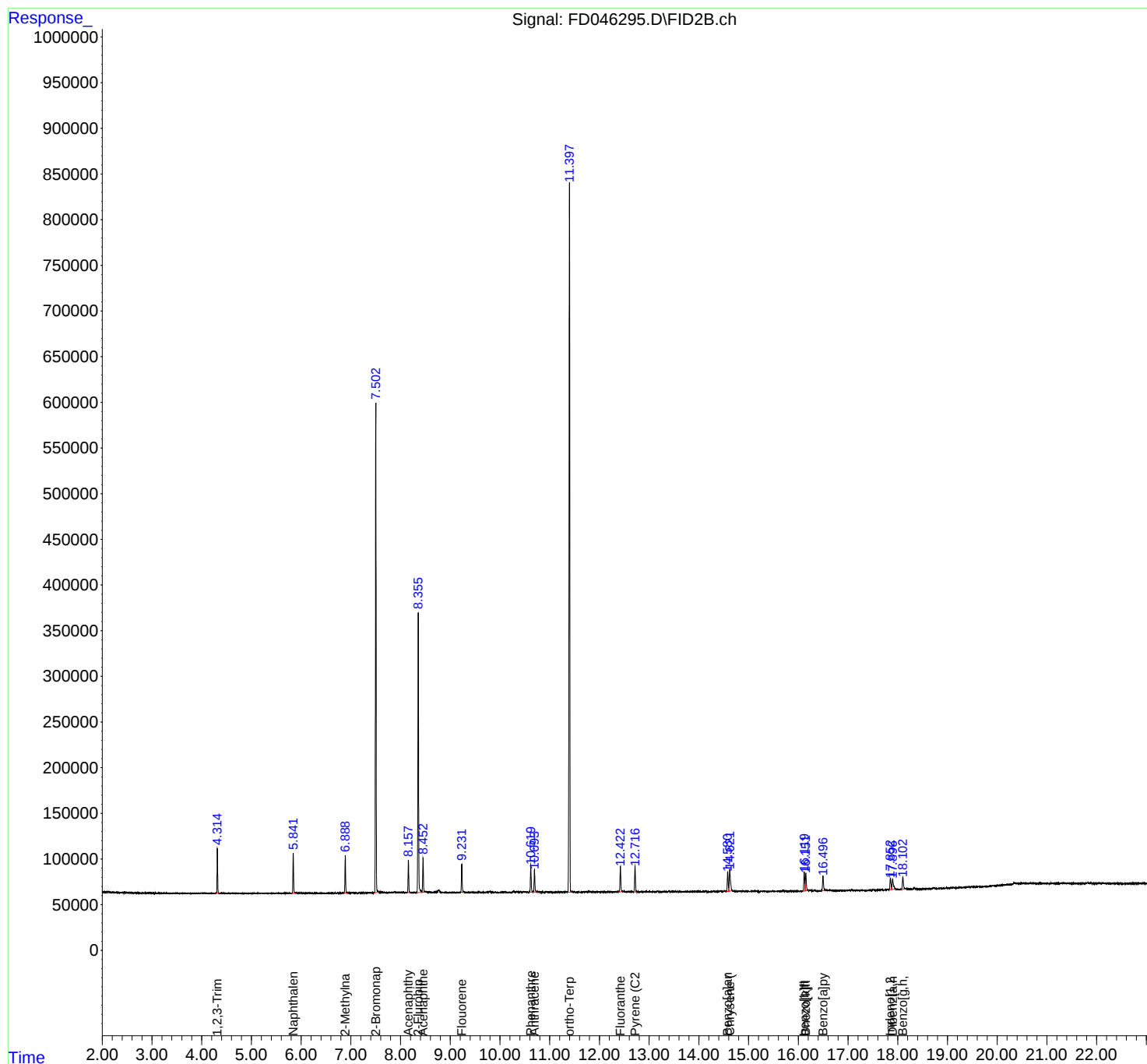
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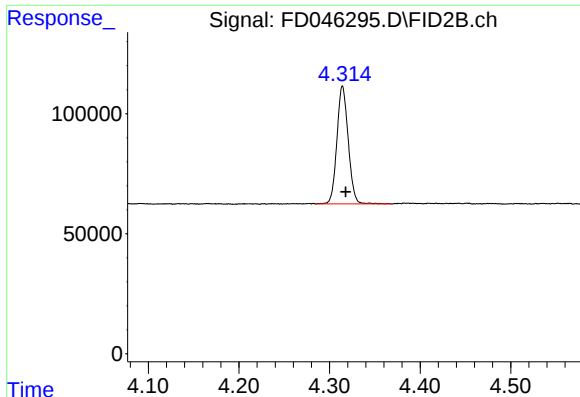
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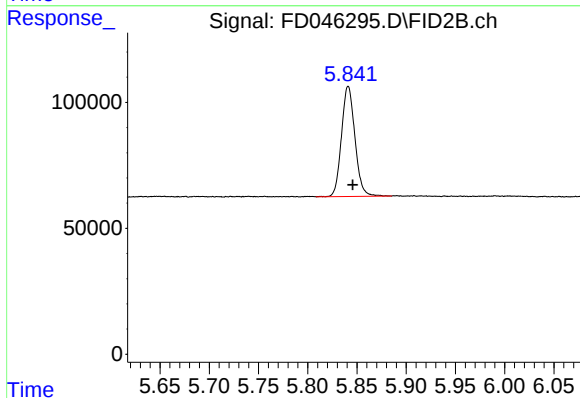
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.315 min
Delta R.T.: -0.003 min
Response: 425638
Conc: 2.34 ug/ml

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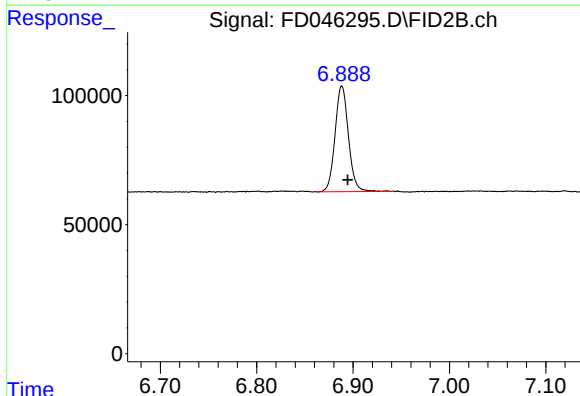
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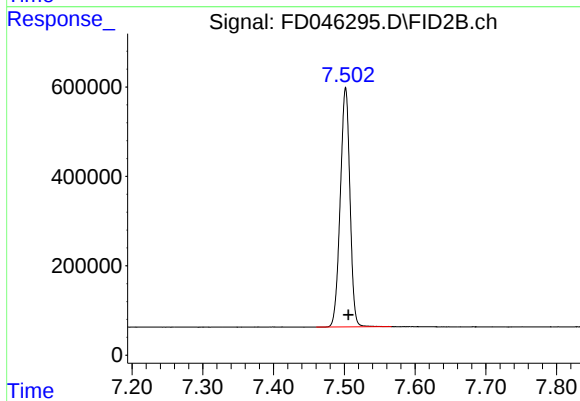
#2 Naphthalene (C11.7)

R.T.: 5.841 min
Delta R.T.: -0.005 min
Response: 415277
Conc: 2.30 ug/ml



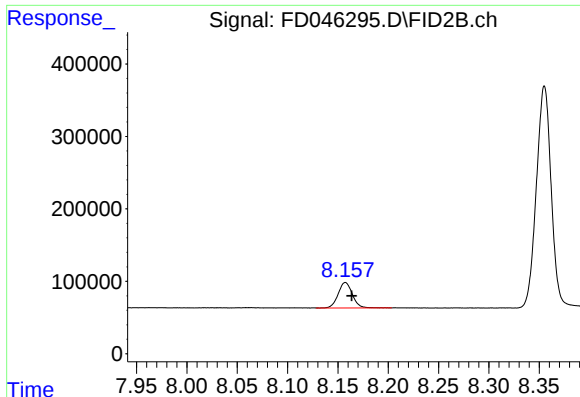
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.889 min
Delta R.T.: -0.006 min
Response: 395551
Conc: 2.25 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.502 min
Delta R.T.: -0.004 min
Response: 5085445
Conc: 34.02 ug/ml



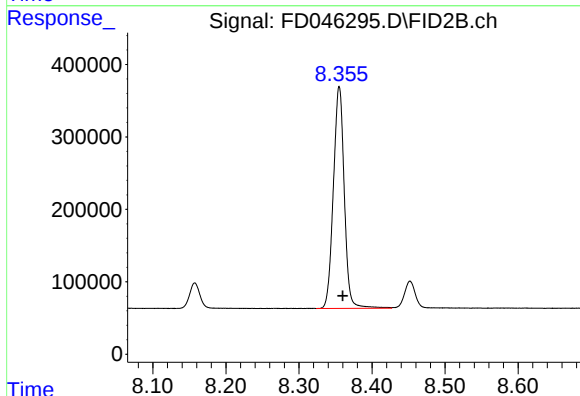
#5 Acenaphthylene (C15.06)

R.T.: 8.158 min
Delta R.T.: -0.006 min
Response: 344324
Conc: 2.26 ug/ml

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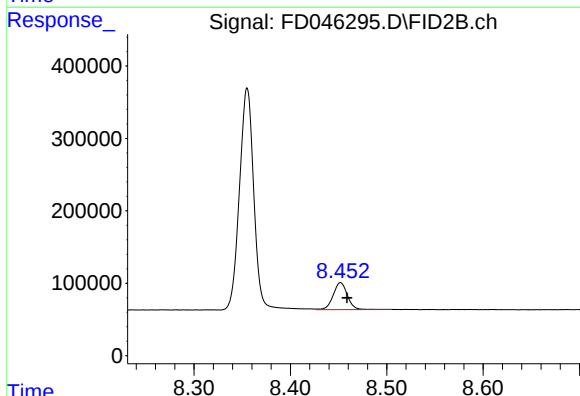
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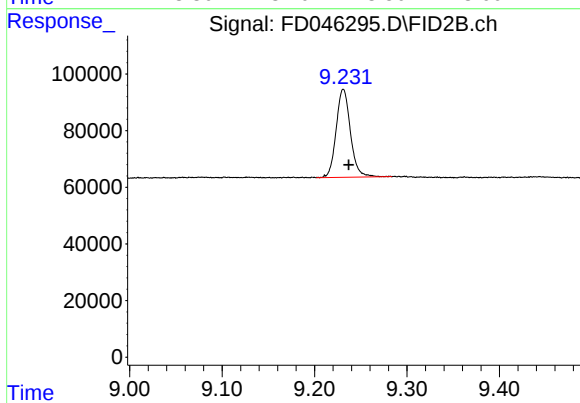
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.355 min
Delta R.T.: -0.005 min
Response: 3181438
Conc: 33.99 ug/ml



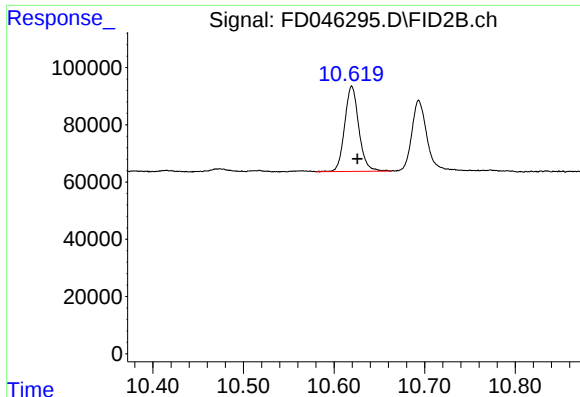
#7 Acenaphthene (C15.5)

R.T.: 8.452 min
Delta R.T.: -0.007 min
Response: 381764
Conc: 2.34 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.231 min
Delta R.T.: -0.006 min
Response: 332850
Conc: 2.19 ug/ml



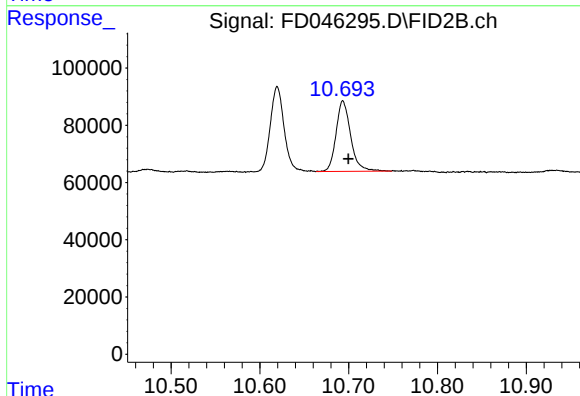
#9 Phenanthrene (C19.36)

R.T.: 10.620 min
Delta R.T.: -0.006 min
Response: 323722
Conc: 2.25 ug/ml

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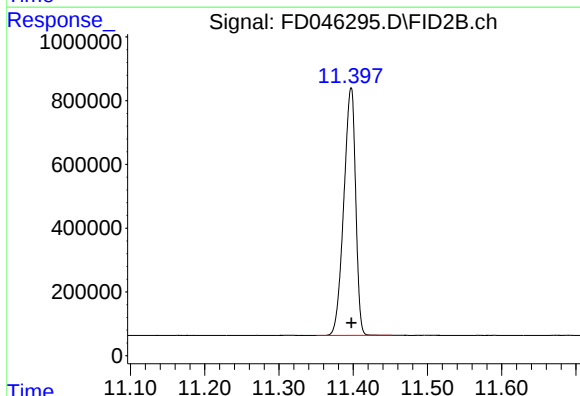
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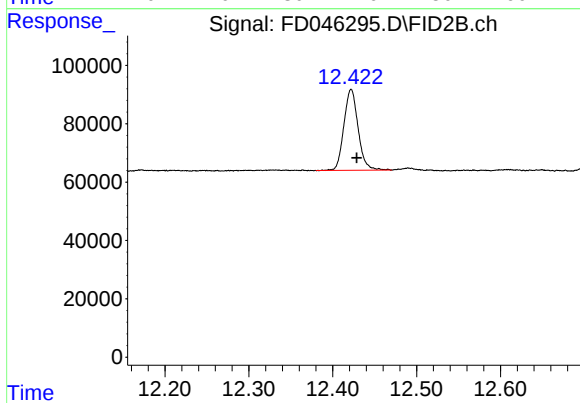
#10 Anthracene (C19.43)

R.T.: 10.694 min
Delta R.T.: -0.006 min
Response: 281898
Conc: 2.15 ug/ml



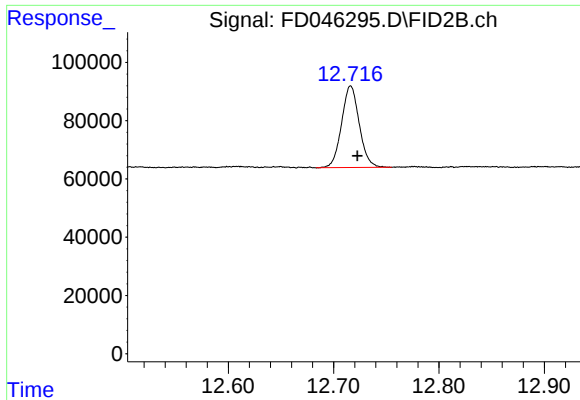
#11 ortho-Terphenyl (SURR)

R.T.: 11.397 min
Delta R.T.: 0.000 min
Response: 8601717
Conc: 49.25 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.422 min
Delta R.T.: -0.006 min
Response: 326943
Conc: 2.34 ug/ml



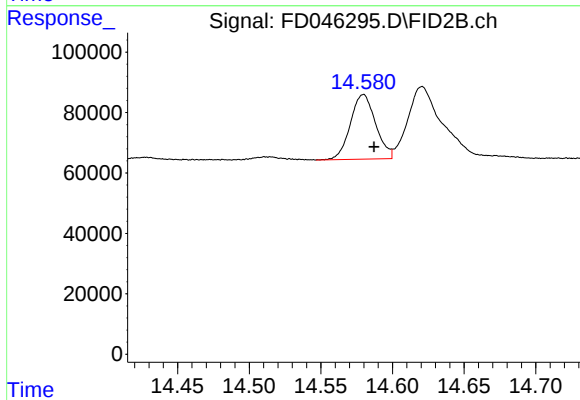
#13 Pyrene (C20.8)

R.T.: 12.716 min
Delta R.T.: -0.006 min
Response: 327582
Conc: 2.36 ug/ml

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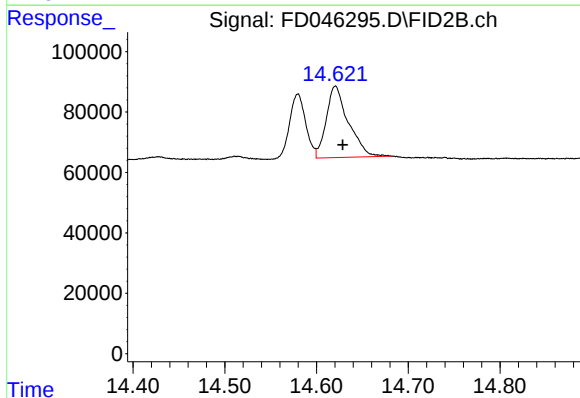
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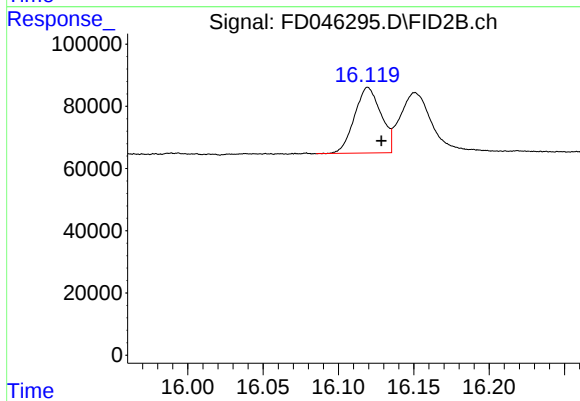
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.580 min
Delta R.T.: -0.008 min
Response: 262296
Conc: 2.00 ug/ml



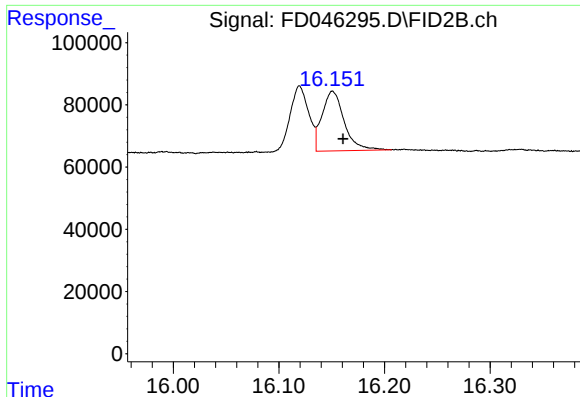
#15 Chrysene (C27.41)

R.T.: 14.621 min
Delta R.T.: -0.008 min
Response: 395911
Conc: 2.81 ug/ml



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

R.T.: 16.120 min
Delta R.T.: -0.009 min
Response: 258121
Conc: 1.89 ug/ml



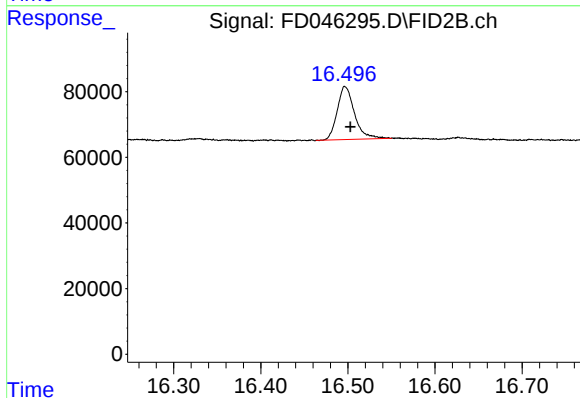
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.151 min
Delta R.T.: -0.010 min
Response: 279476
Conc: 2.04 ug/ml

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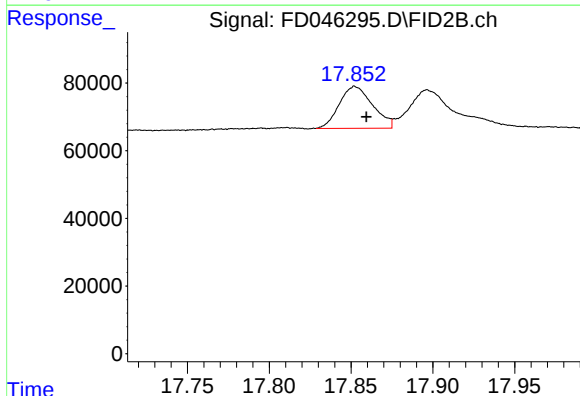
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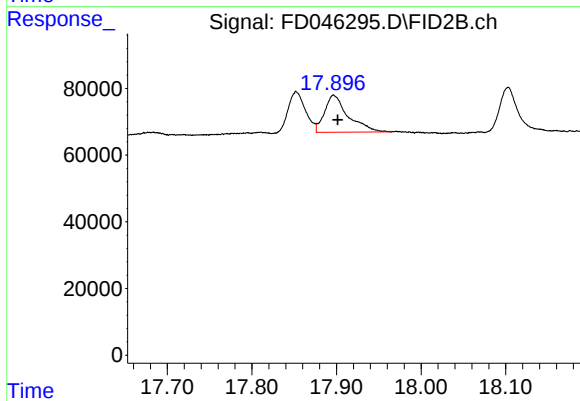
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.497 min
Delta R.T.: -0.006 min
Response: 222478
Conc: 1.71 ug/ml



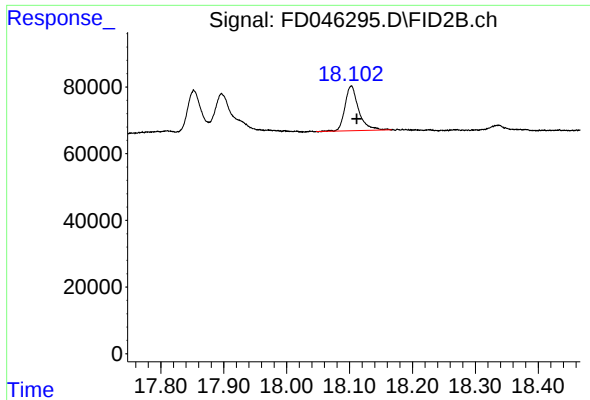
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.852 min
Delta R.T.: -0.008 min
Response: 176837
Conc: 1.47 ug/ml m



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

R.T.: 17.897 min
Delta R.T.: -0.004 min
Response: 215649
Conc: 1.69 ug/ml



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

R.T.: 18.103 min
Delta R.T.: -0.009 min
Response: 201960
Conc: 1.59 ug/ml

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