

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100523AR\
 Data File : FD046657.D
 Signal(s) : FID2B.ch
 Acq On : 05 Oct 2023 12:53
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:52:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:47:22 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...	7.491	9513461	53.984 ug/ml
Spiked Amount 50.000		Recovery =	107.97%
6) S 2-Fluorobiphenyl (SURR)	8.344	6363153	54.921 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	109.84%
11) S ortho-Terphenyl (SURR)	11.383	10104407	49.597 ug/ml
Spiked Amount 50.000		Recovery =	99.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.303	751149	4.067 ug/ml
2) T Naphthalene (C11.7)	5.828	857972	4.440 ug/ml
3) T 2-Methylnaphthalene (...)	6.875	877504	4.528 ug/ml
5) T Acenaphthylene (C15.06)	8.144	905214	5.134 ug/ml
7) T Acenaphthene (C15.5)	8.438	885225	4.711 ug/ml
8) T Fluorene (C16.55)	9.217	876886	4.861 ug/ml
9) T Phenanthrene (C19.36)	10.604	850910	4.840 ug/ml
10) T Anthracene (C19.43)	10.679	818562	5.329 ug/ml
12) T Fluoranthene (C21.85)	12.406	854987	5.016 ug/ml
13) T Pyrene (C20.8)	12.700	841945	5.132 ug/ml
14) T Benzo[a]anthracene (C...	14.563	722592	5.175 ug/ml
15) T Chrysene (C27.41)	14.604	786330	5.180 ug/ml
16) T benzo[b]fluoranthene ...	16.102	702098	5.119 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.134	741615	5.354 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.479	667960	4.993 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.835	634640	5.063 ug/ml
20) T Dibenz[a,h]anthracene...	17.878	746180	5.607 ug/ml
21) T Benzo[g,h,i]perylene ...	18.084	656337	4.977 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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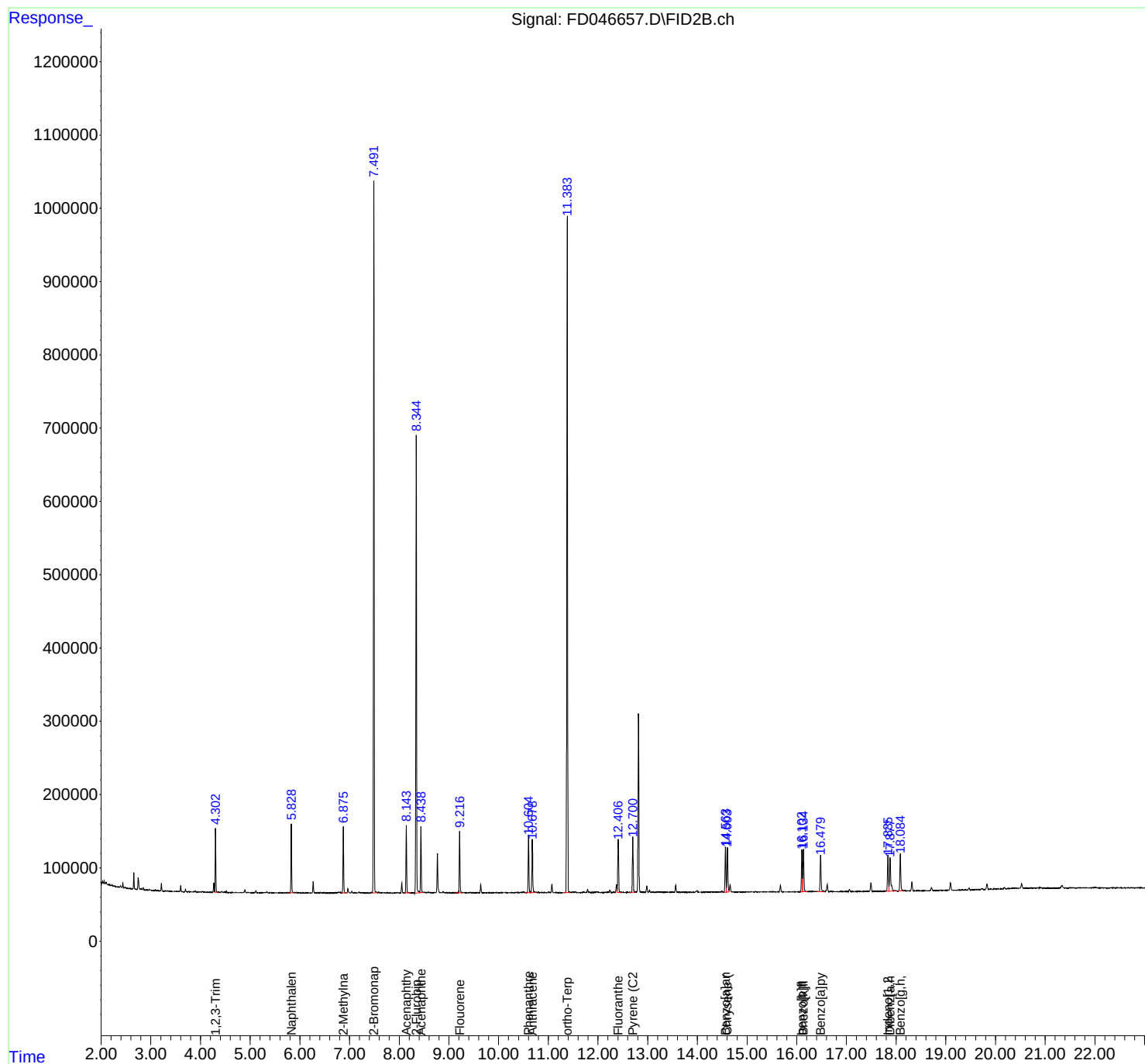
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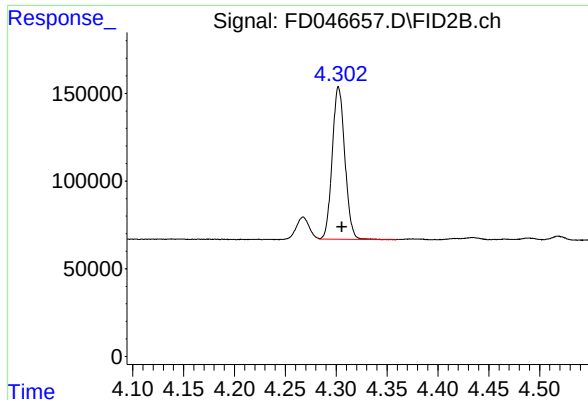
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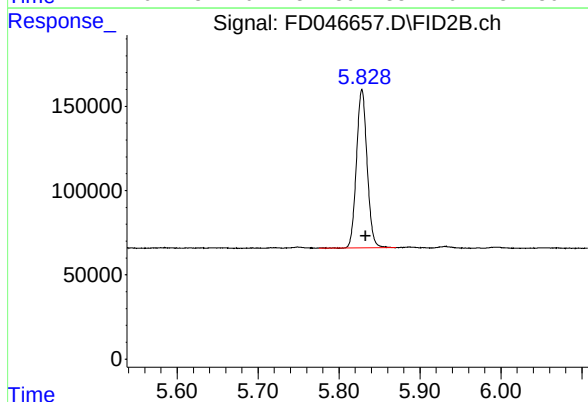
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.303 min
Delta R.T.: -0.003 min
Response: 751149
Conc: 4.07 ug/ml

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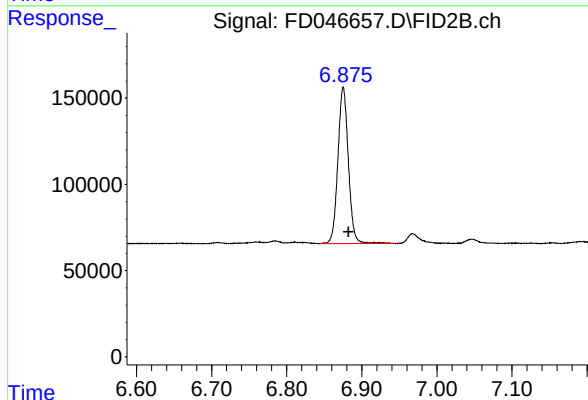
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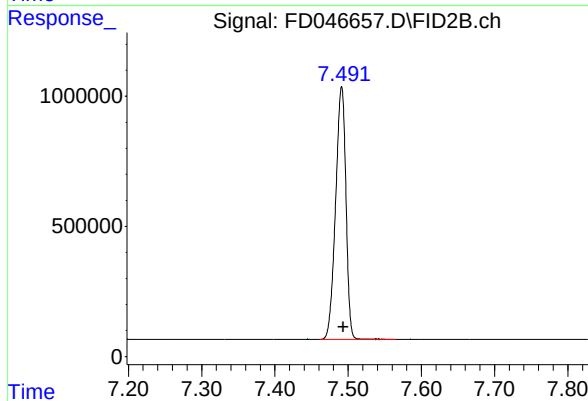
#2 Naphthalene (C11.7)

R.T.: 5.828 min
Delta R.T.: -0.005 min
Response: 857972
Conc: 4.44 ug/ml



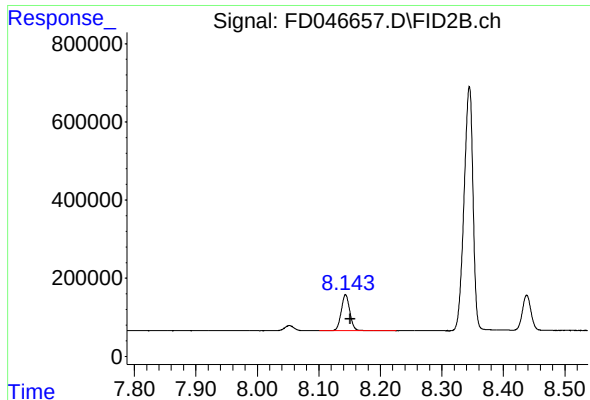
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.875 min
Delta R.T.: -0.007 min
Response: 877504
Conc: 4.53 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.491 min
Delta R.T.: -0.003 min
Response: 9513461
Conc: 53.98 ug/ml



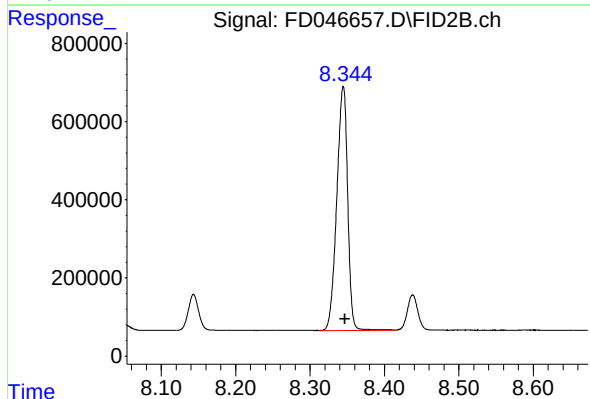
#5 Acenaphthylene (C15.06)

R.T.: 8.144 min
Delta R.T.: -0.008 min
Response: 905214
Conc: 5.13 ug/ml

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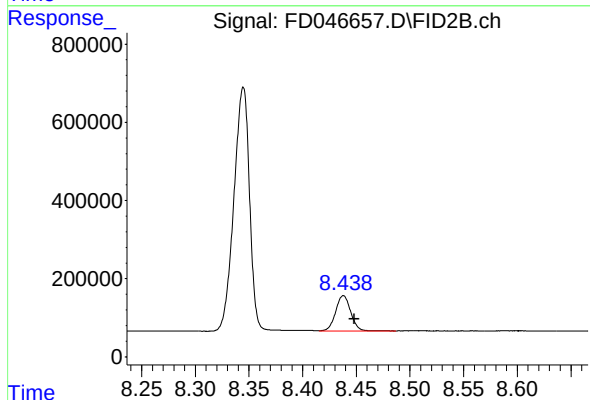
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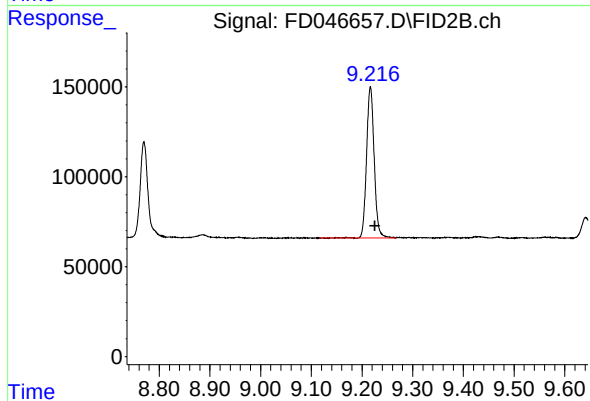
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: -0.003 min
Response: 6363153
Conc: 54.92 ug/ml



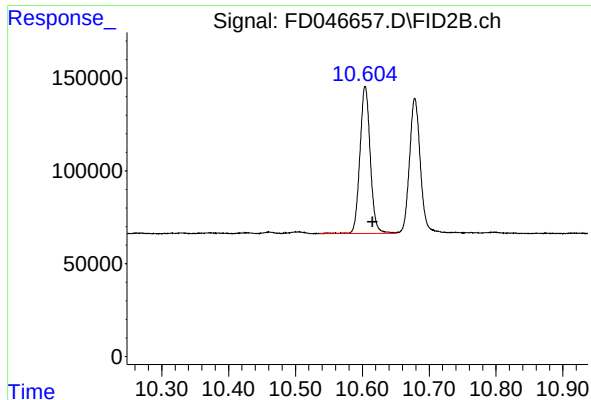
#7 Acenaphthene (C15.5)

R.T.: 8.438 min
Delta R.T.: -0.010 min
Response: 885225
Conc: 4.71 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.217 min
Delta R.T.: -0.010 min
Response: 876886
Conc: 4.86 ug/ml



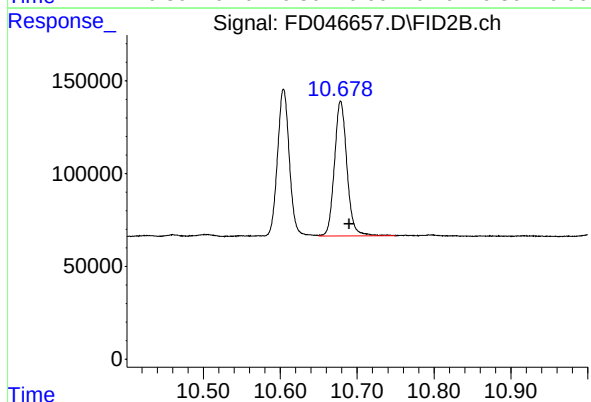
#9 Phenanthrene (C19.36)

R.T.: 10.604 min
Delta R.T.: -0.011 min
Response: 850910
Conc: 4.84 ug/ml

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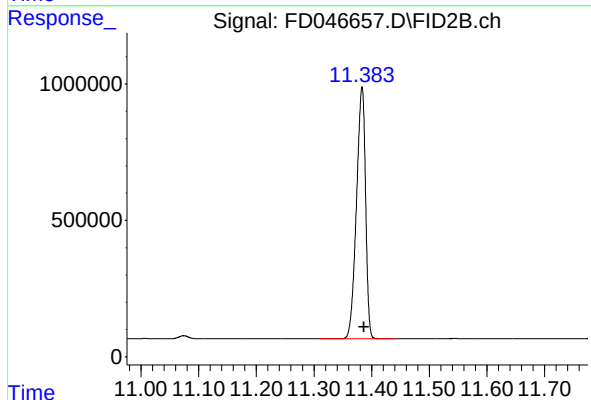
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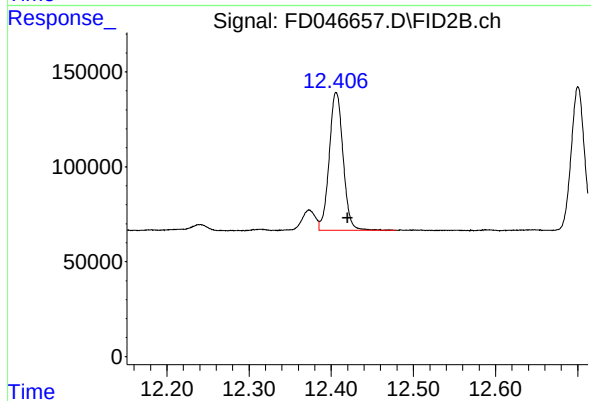
#10 Anthracene (C19.43)

R.T.: 10.679 min
Delta R.T.: -0.011 min
Response: 818562
Conc: 5.33 ug/ml



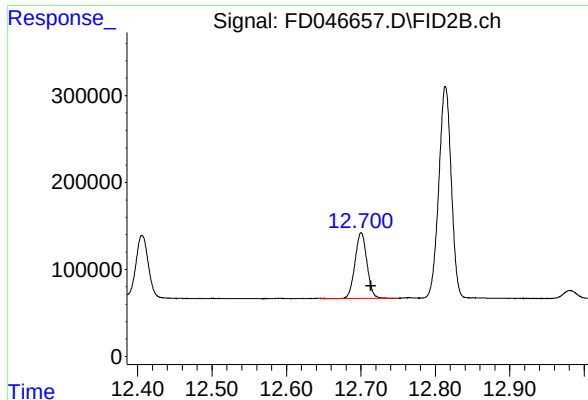
#11 ortho-Terphenyl (SURR)

R.T.: 11.383 min
Delta R.T.: -0.003 min
Response: 10104407
Conc: 49.60 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.406 min
Delta R.T.: -0.014 min
Response: 854987
Conc: 5.02 ug/ml



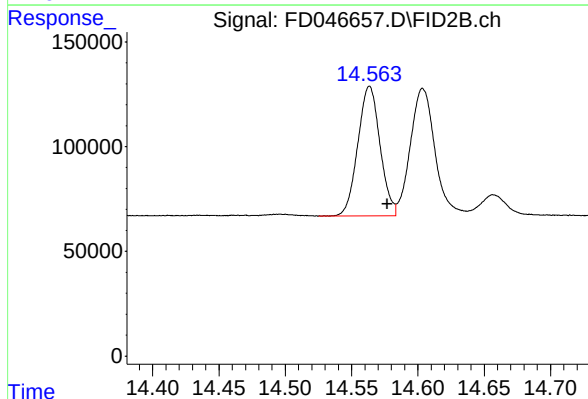
#13 Pyrene (C20.8)

R.T.: 12.700 min
Delta R.T.: -0.013 min
Response: 841945
Conc: 5.13 ug/ml

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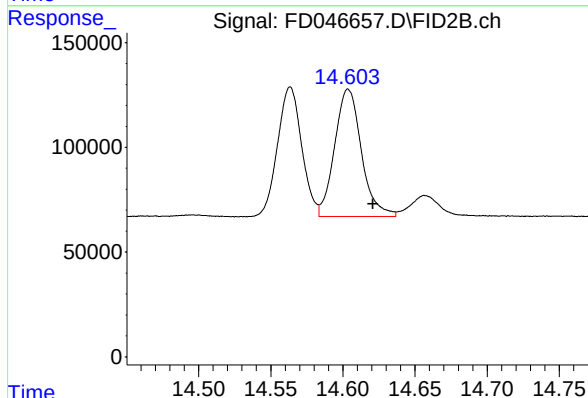
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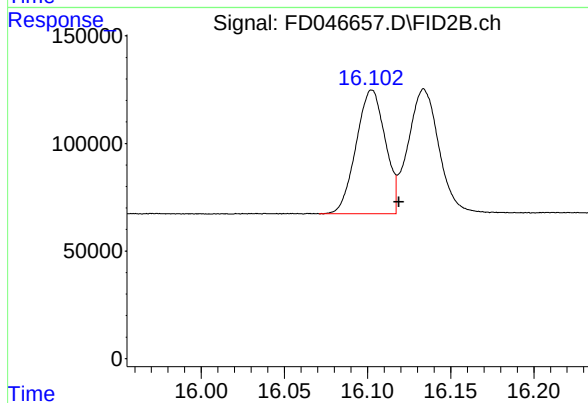
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.563 min
Delta R.T.: -0.014 min
Response: 722592
Conc: 5.17 ug/ml



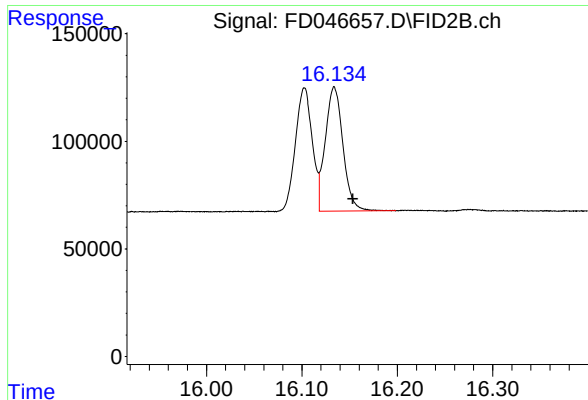
#15 Chrysene (C27.41)

R.T.: 14.604 min
Delta R.T.: -0.017 min
Response: 786330
Conc: 5.18 ug/ml



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

R.T.: 16.102 min
Delta R.T.: -0.017 min
Response: 702098
Conc: 5.12 ug/ml m



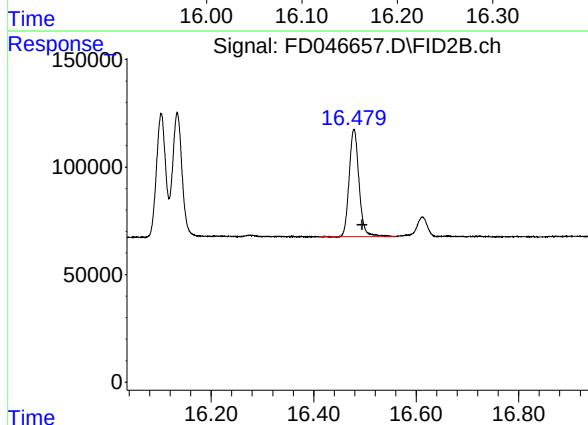
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.134 min
Delta R.T.: -0.020 min
Response: 741615
Conc: 5.35 ug/ml

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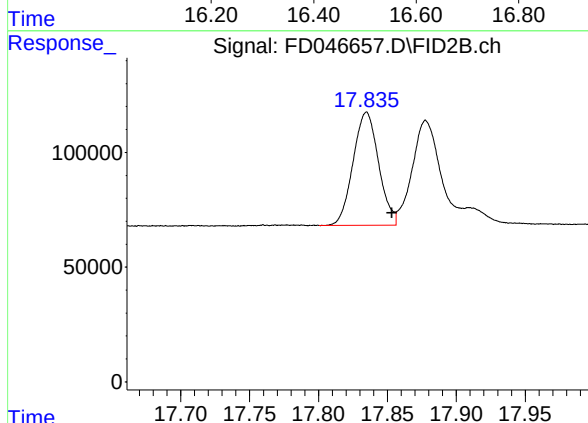
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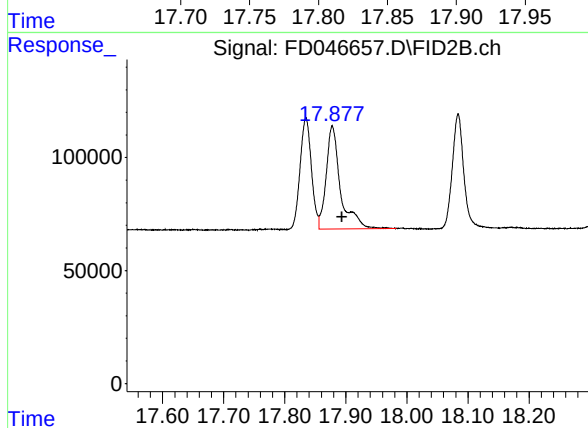
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.479 min
Delta R.T.: -0.016 min
Response: 667960
Conc: 4.99 ug/ml



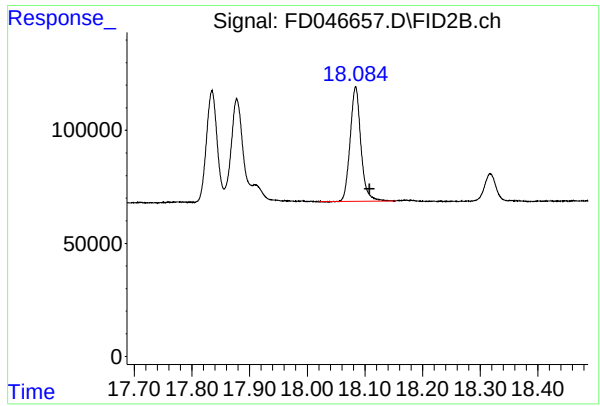
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.835 min
Delta R.T.: -0.019 min
Response: 634640
Conc: 5.06 ug/ml



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

R.T.: 17.878 min
Delta R.T.: -0.016 min
Response: 746180
Conc: 5.61 ug/ml



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

R.T.: 18.084 min
Delta R.T.: -0.024 min
Response: 656337
Conc: 4.98 ug/ml

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