

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048464.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 23:21
 Operator : YP/AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 04:59:01 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	8483040	51.236 ug/ml
Spiked Amount 50.000		Recovery =	102.47%
6) S 2-Fluorobiphenyl (SURR)	8.228	4974936	47.972 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	95.94%
11) S ortho-Terphenyl (SURR)	11.265	7753672	42.140 ug/ml
Spiked Amount 50.000		Recovery =	84.28%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.207	319209	1.821 ug/ml
2) T Naphthalene (C11.7)	5.732	310879	1.665 ug/ml
3) T 2-Methylnaphthalene (...)	6.780	363954	1.926 ug/ml
5) T Acenaphthylene (C15.06)	8.038	394073	2.054 ug/ml
7) T Acenaphthene (C15.5)	8.327	455792	2.410 ug/ml
8) T Fluorene (C16.55)	9.120	353586	1.957 ug/ml
9) T Phenanthrene (C19.36)	10.506	323411	1.825 ug/ml
10) T Anthracene (C19.43)	10.589	355877	2.000 ug/ml
12) T Fluoranthene (C21.85)	12.314	346501	1.916 ug/ml
13) T Pyrene (C20.8)	12.602	352396	1.968 ug/ml
14) T Benzo[a]anthracene (C...	14.483	184470	1.154 ug/mlm
15) T Chrysene (C27.41)	14.518	319690	1.714 ug/mlm
16) T benzo[b]fluoranthene ...	16.028	239743	1.440 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.063	367402	2.164 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.425	274382	1.679 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.799	217708	1.655 ug/mlm
20) T Dibenz[a,h]anthracene...	17.851	270733	1.618 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.025	290743	1.790 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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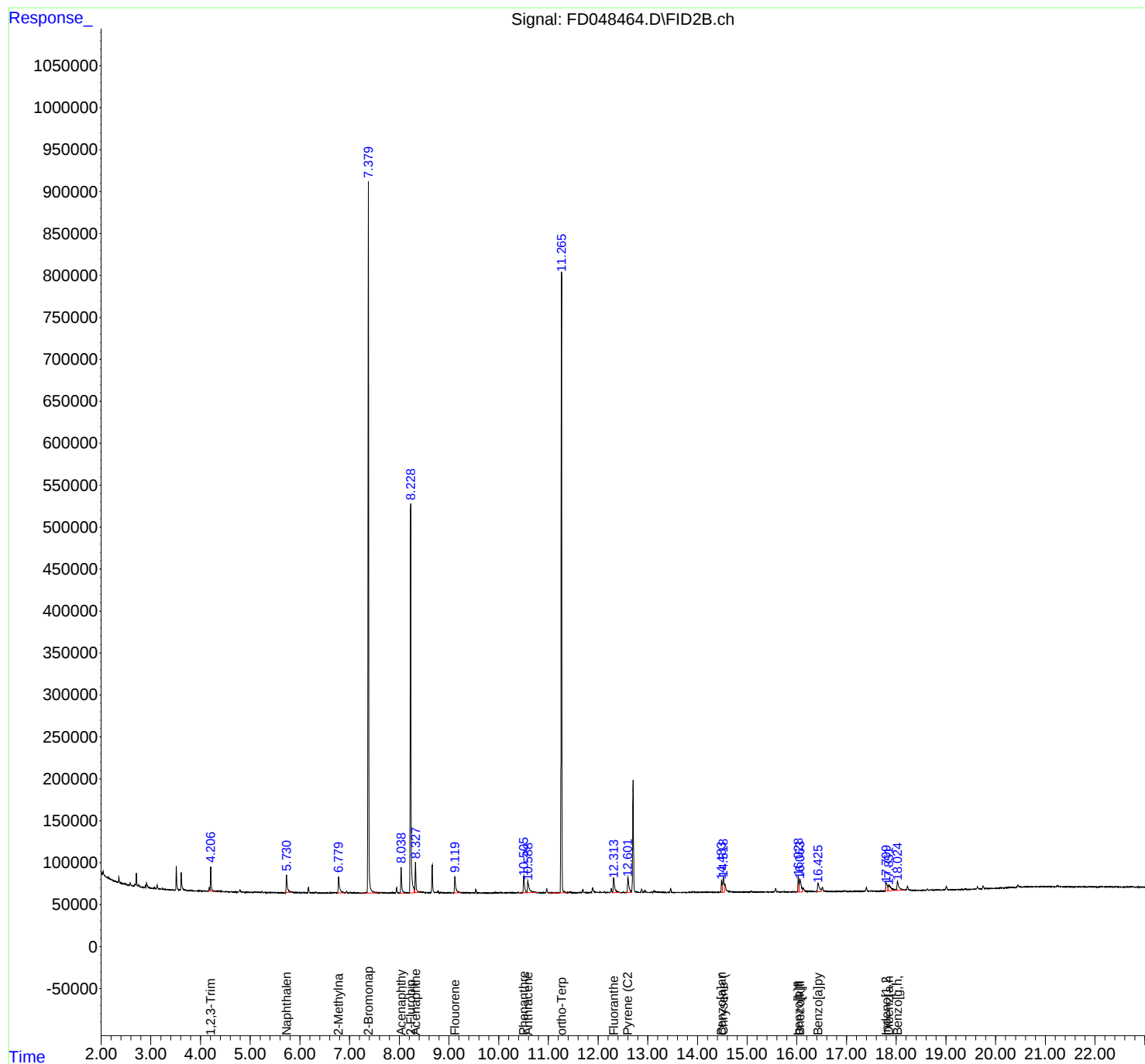
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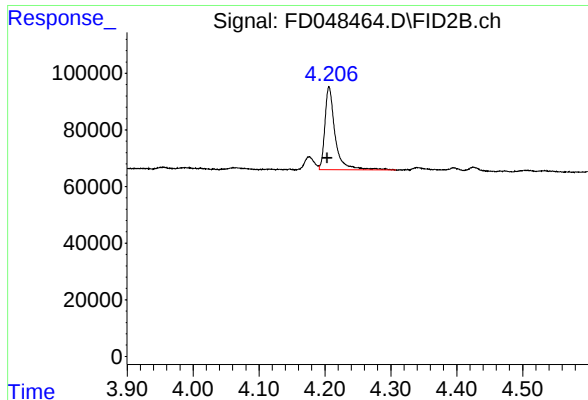
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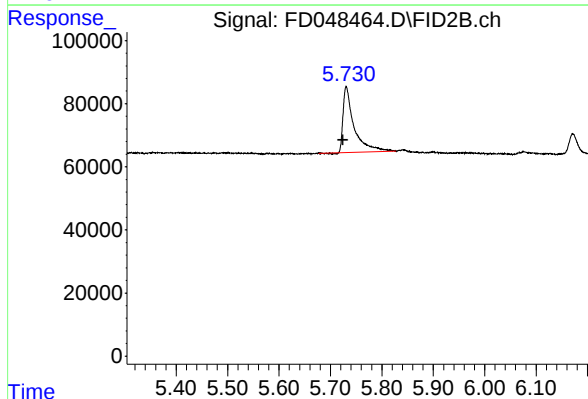
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.207 min
Delta R.T.: 0.003 min
Response: 319209
Conc: 1.82 ug/ml

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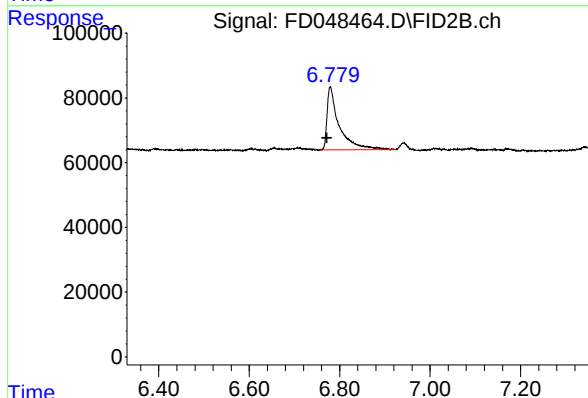
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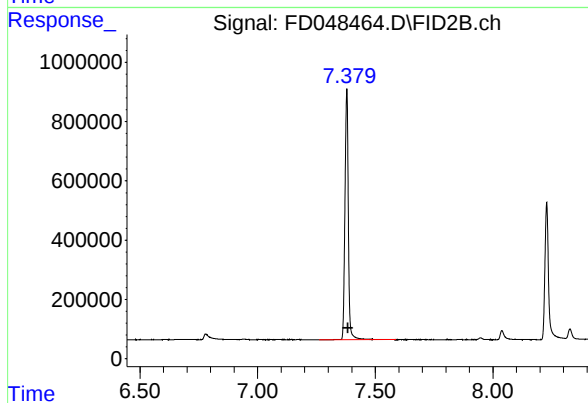
#2 Naphthalene (C11.7)

R.T.: 5.732 min
Delta R.T.: 0.007 min
Response: 310879
Conc: 1.67 ug/ml



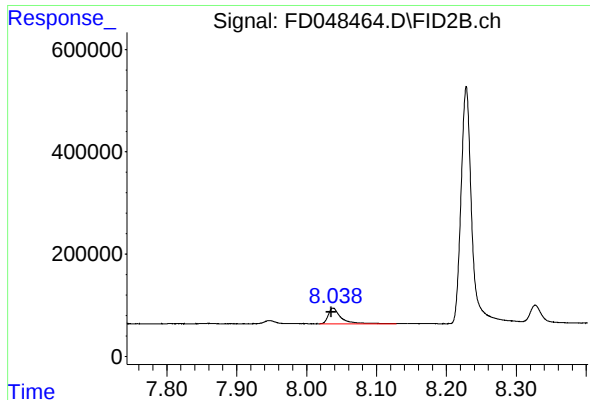
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min
Delta R.T.: 0.008 min
Response: 363954
Conc: 1.93 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: -0.006 min
Response: 8483040
Conc: 51.24 ug/ml



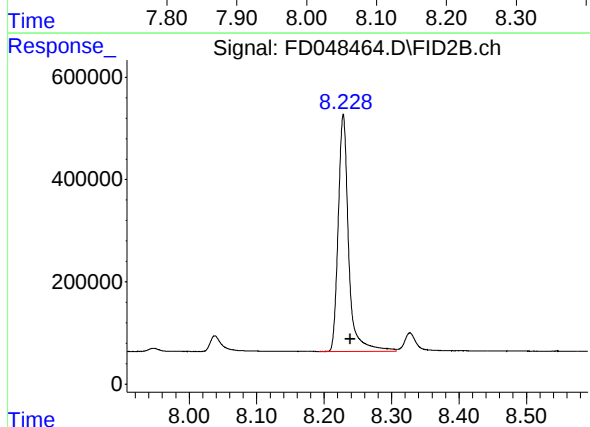
#5 Acenaphthylene (C15.06)

R.T.: 8.038 min
Delta R.T.: 0.003 min
Response: 394073
Conc: 2.05 ug/ml

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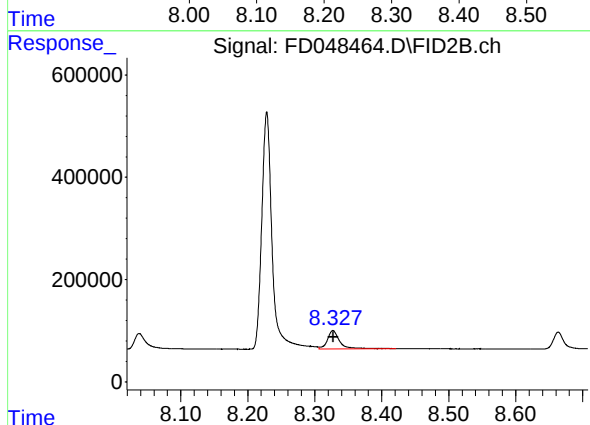
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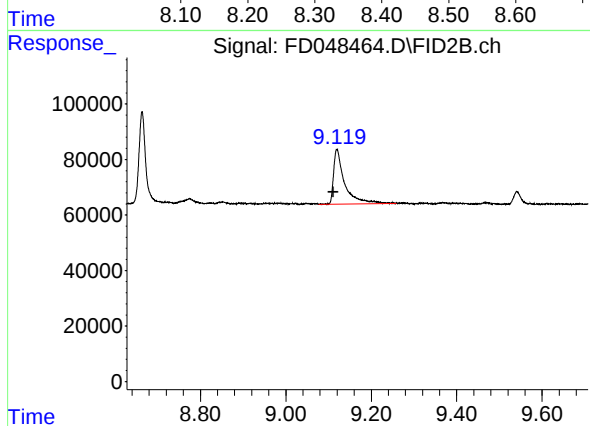
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: -0.011 min
Response: 4974936
Conc: 47.97 ug/ml



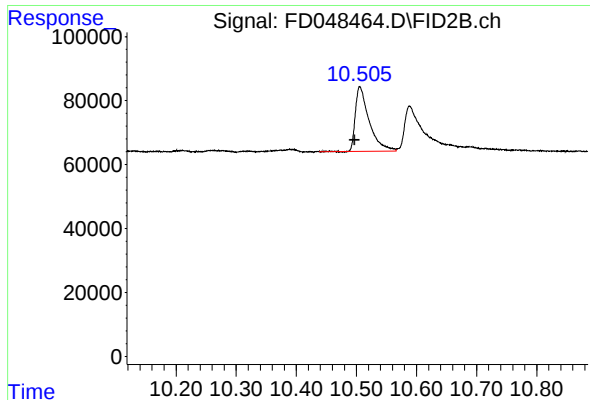
#7 Acenaphthene (C15.5)

R.T.: 8.327 min
Delta R.T.: 0.000 min
Response: 455792
Conc: 2.41 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.120 min
Delta R.T.: 0.009 min
Response: 353586
Conc: 1.96 ug/ml



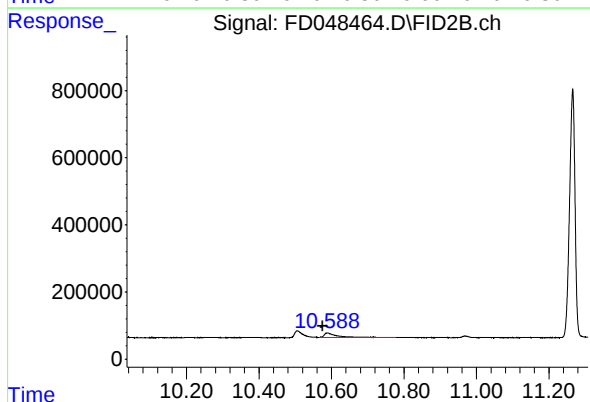
#9 Phenanthrene (C19.36)

R.T.: 10.506 min
Delta R.T.: 0.009 min
Response: 323411
Conc: 1.82 ug/ml

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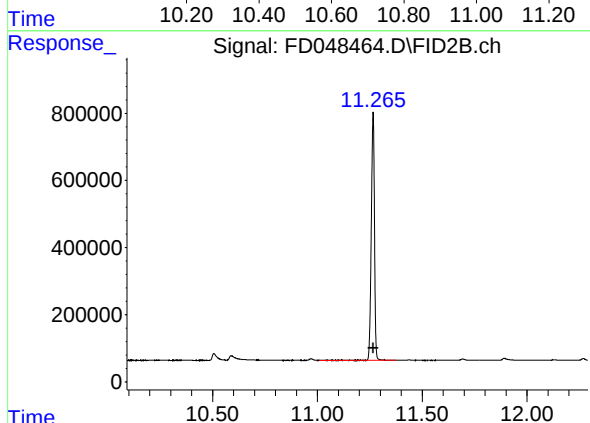
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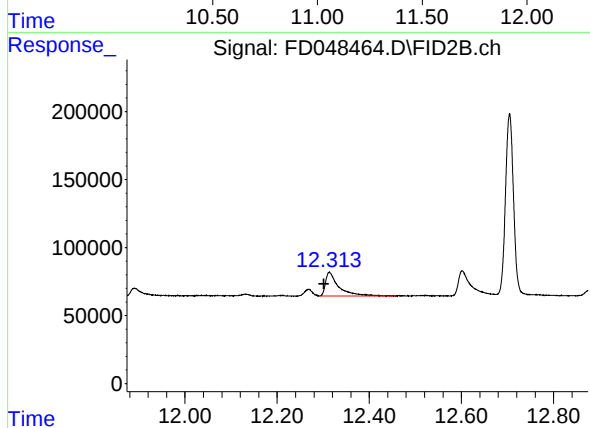
#10 Anthracene (C19.43)

R.T.: 10.589 min
Delta R.T.: 0.014 min
Response: 355877
Conc: 2.00 ug/ml



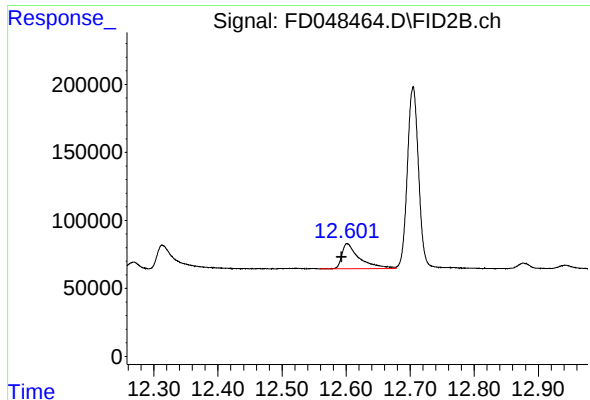
#11 ortho-Terphenyl (SURRE)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 7753672
Conc: 42.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.314 min
Delta R.T.: 0.013 min
Response: 346501
Conc: 1.92 ug/ml



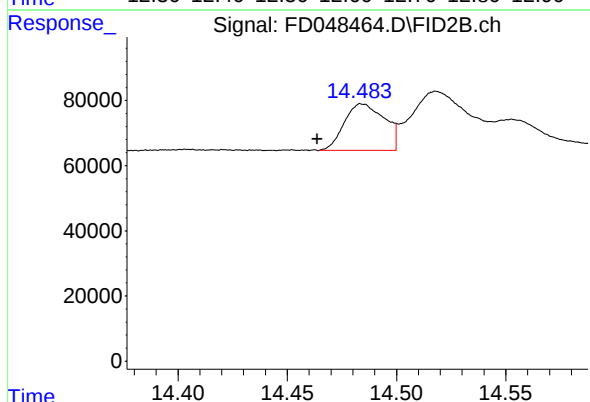
#13 Pyrene (C20.8)

R.T.: 12.602 min
Delta R.T.: 0.009 min
Response: 352396
Conc: 1.97 ug/ml

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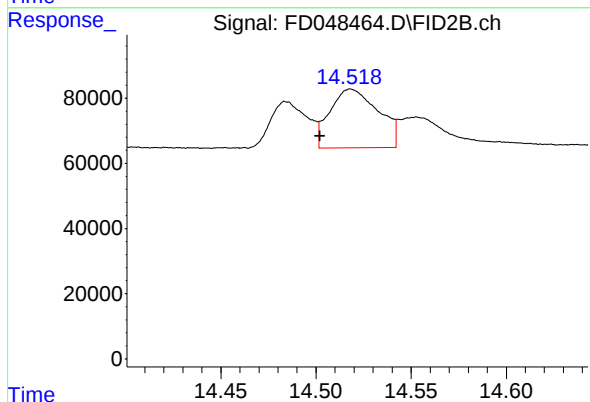
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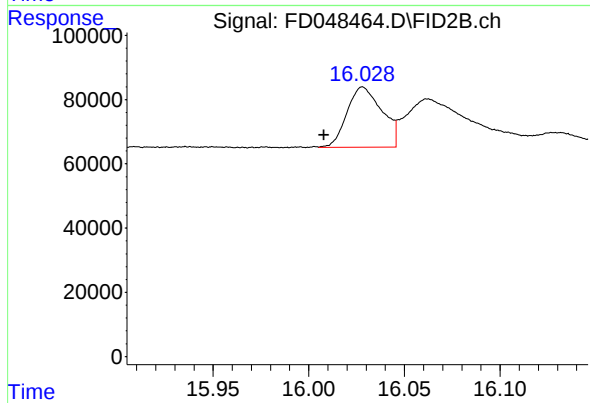
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.483 min
Delta R.T.: 0.019 min
Response: 184470
Conc: 1.15 ug/ml m



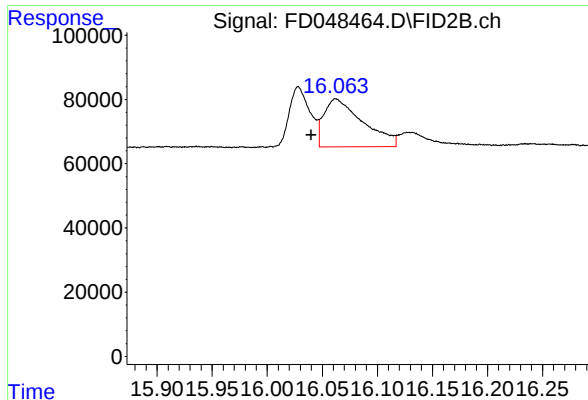
#15 Chrysene (C27.41)

R.T.: 14.518 min
Delta R.T.: 0.015 min
Response: 319690
Conc: 1.71 ug/ml m



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

R.T.: 16.028 min
Delta R.T.: 0.020 min
Response: 239743
Conc: 1.44 ug/ml m



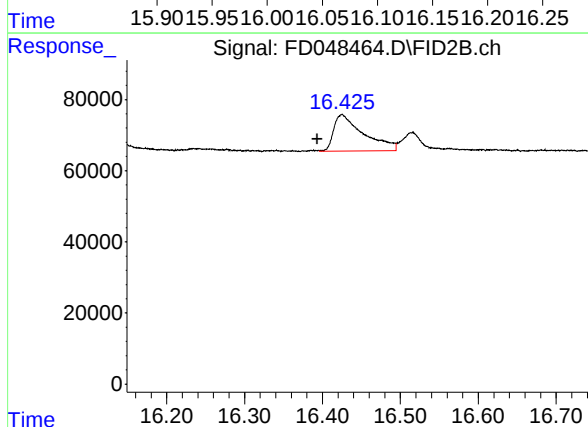
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.063 min
Delta R.T.: 0.022 min
Response: 367402
Conc: 2.16 ug/ml

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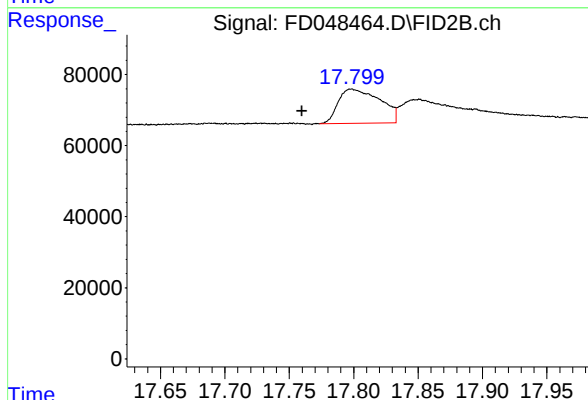
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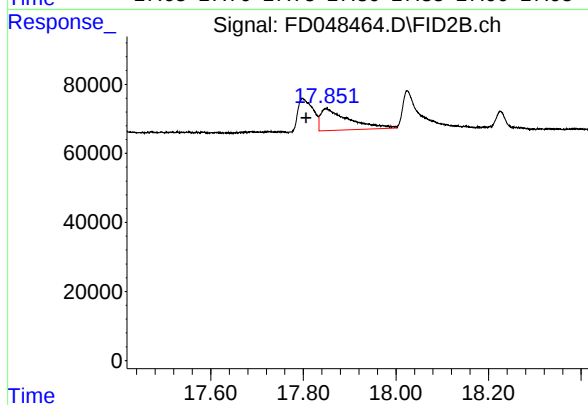
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.425 min
Delta R.T.: 0.032 min
Response: 274382
Conc: 1.68 ug/ml m



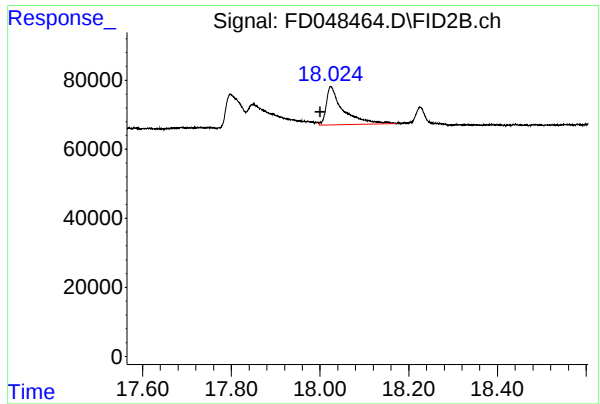
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.799 min
Delta R.T.: 0.039 min
Response: 217708
Conc: 1.66 ug/ml m



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

R.T.: 17.851 min
Delta R.T.: 0.044 min
Response: 270733
Conc: 1.62 ug/ml m



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

R.T.: 18.025 min
Delta R.T.: 0.024 min
Response: 290743
Conc: 1.79 ug/ml

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