

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048465.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 23:58
 Operator : YP/AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 65 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 04:59:11 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	7592660	45.858 ug/ml
Spiked Amount 50.000		Recovery =	91.72%
6) S 2-Fluorobiphenyl (SURR)	8.229	4338017	41.831 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.66%
11) S ortho-Terphenyl (SURR)	11.265	7576831	41.179 ug/ml
Spiked Amount 50.000		Recovery =	82.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.205	456791	2.606 ug/mlm
2) T Naphthalene (C11.7)	5.727	508209	2.722 ug/mlm
3) T 2-Methylnaphthalene (...)	6.775	561173	2.969 ug/ml
5) T Acenaphthylene (C15.06)	8.036	599305	3.124 ug/ml
7) T Acenaphthene (C15.5)	8.326	660860	3.494 ug/ml
8) T Fluorene (C16.55)	9.114	548425	3.035 ug/ml
9) T Phenanthrene (C19.36)	10.500	511120	2.884 ug/ml
10) T Anthracene (C19.43)	10.580	468672	2.634 ug/ml
12) T Fluoranthene (C21.85)	12.305	578598	3.199 ug/ml
13) T Pyrene (C20.8)	12.595	569493	3.180 ug/ml
14) T Benzo[a]anthracene (C...	14.470	371603	2.325 ug/mlm
15) T Chrysene (C27.41)	14.508	566156	3.035 ug/ml
16) T benzo[b]fluoranthene ...	16.015	418134	2.511 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.050	597224	3.518 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.407	459401	2.811 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.775	330974	2.516 ug/ml
20) T Dibenz[a,h]anthracene...	17.822	540540	3.230 ug/ml
21) T Benzo[g,h,i]perylene ...	18.010	485499	2.989 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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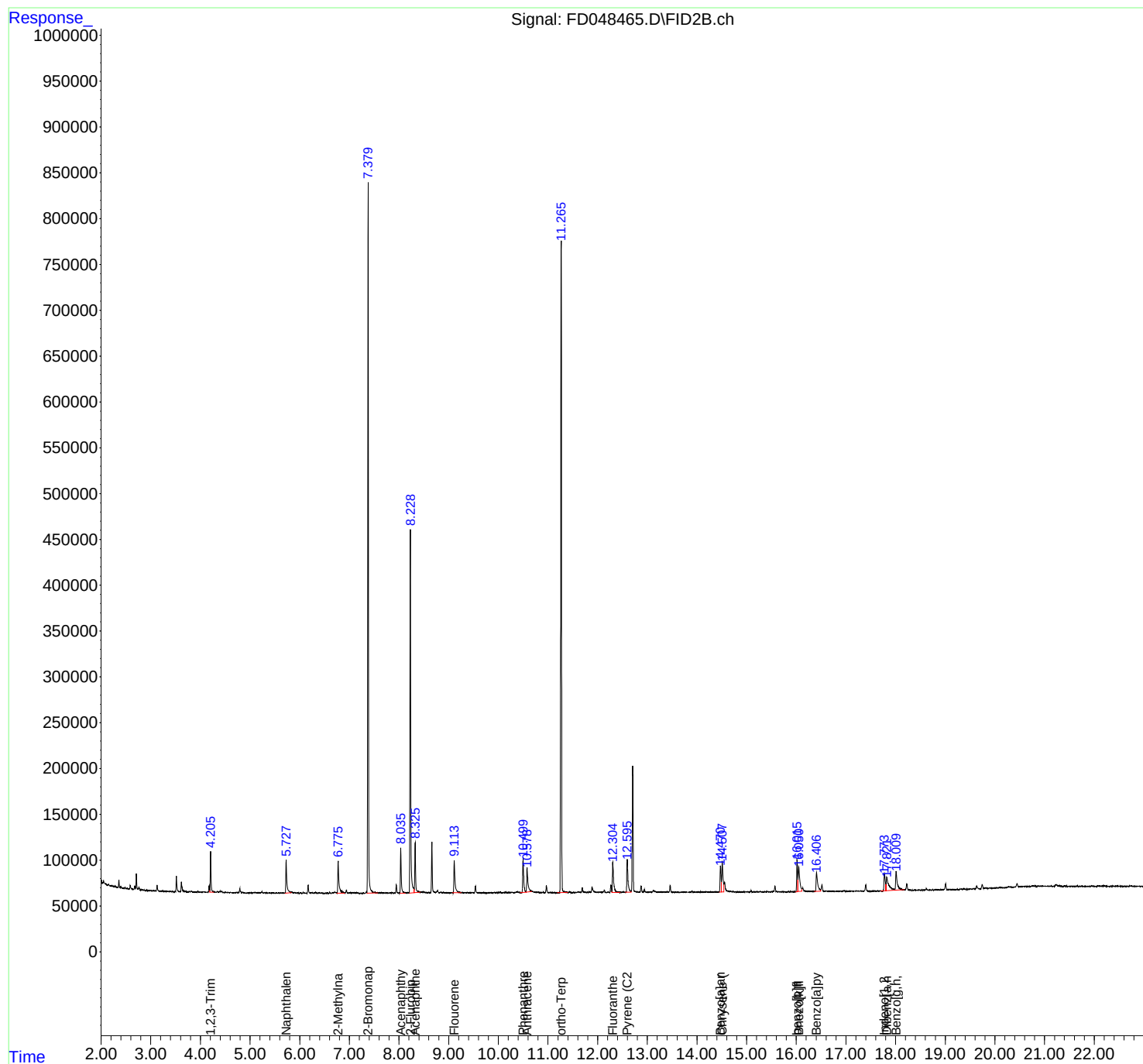
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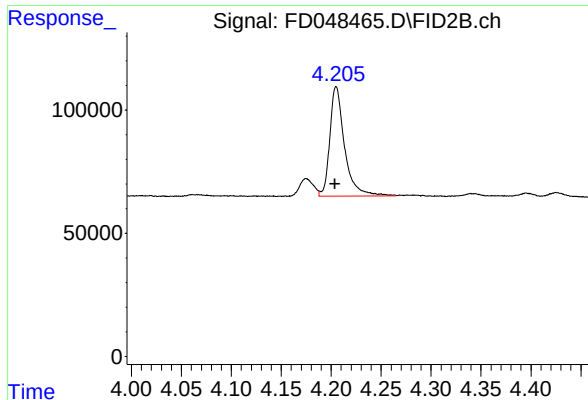
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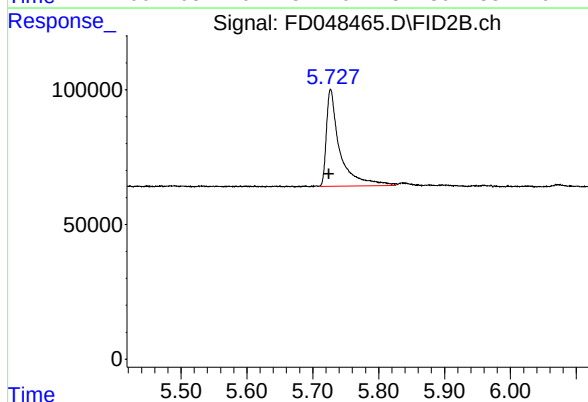
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.205 min
Delta R.T.: 0.000 min
Response: 456791
Conc: 2.61 ug/ml

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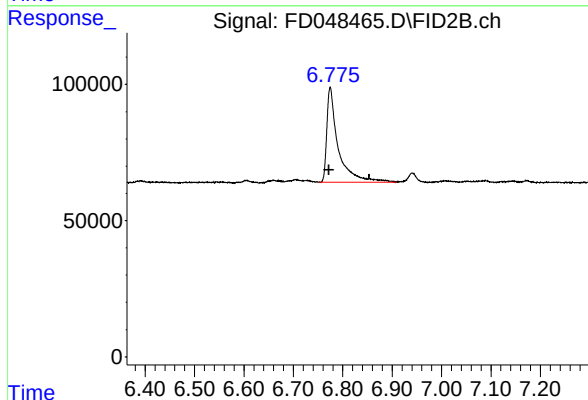
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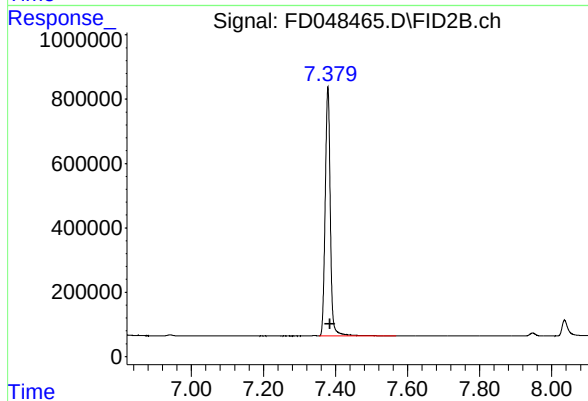
#2 Naphthalene (C11.7)

R.T.: 5.727 min
Delta R.T.: 0.002 min
Response: 508209
Conc: 2.72 ug/ml m



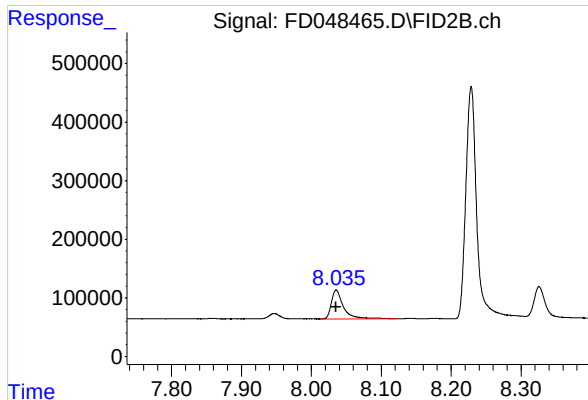
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.775 min
Delta R.T.: 0.003 min
Response: 561173
Conc: 2.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 7592660
Conc: 45.86 ug/ml



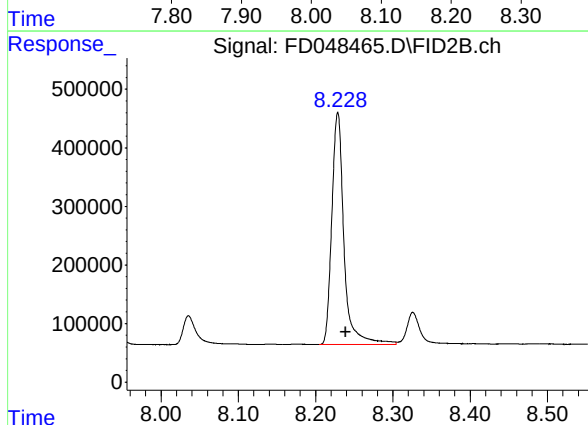
#5 Acenaphthylene (C15.06)

R.T.: 8.036 min
Delta R.T.: 0.000 min
Response: 599305
Conc: 3.12 ug/ml

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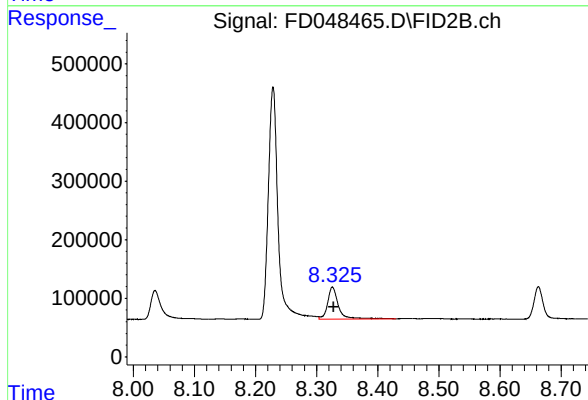
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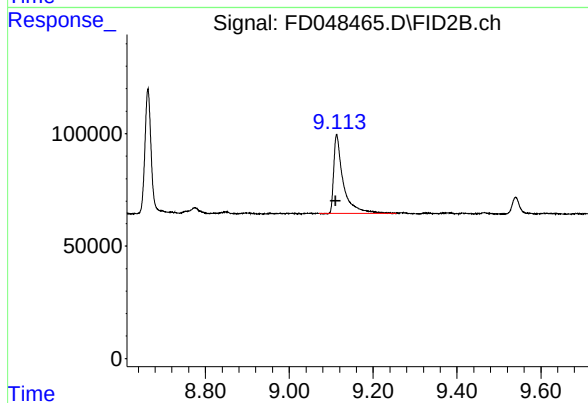
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 4338017
Conc: 41.83 ug/ml



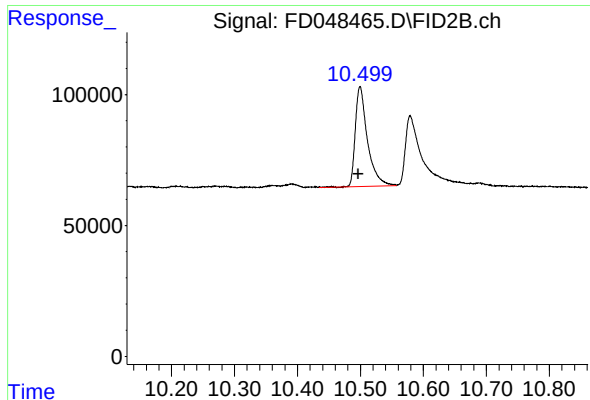
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: -0.002 min
Response: 660860
Conc: 3.49 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.114 min
Delta R.T.: 0.003 min
Response: 548425
Conc: 3.04 ug/ml



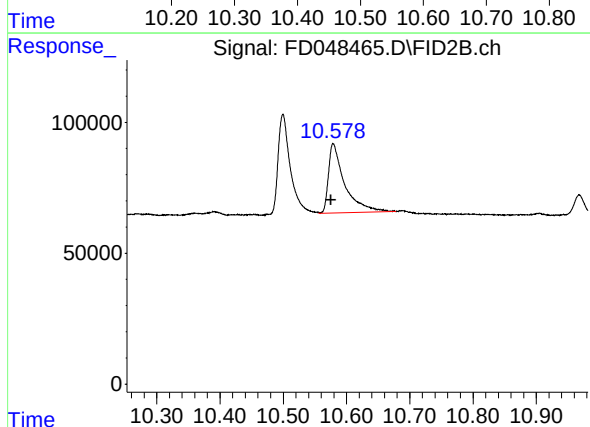
#9 Phenanthrene (C19.36)

R.T.: 10.500 min
Delta R.T.: 0.003 min
Response: 511120
Conc: 2.88 ug/ml

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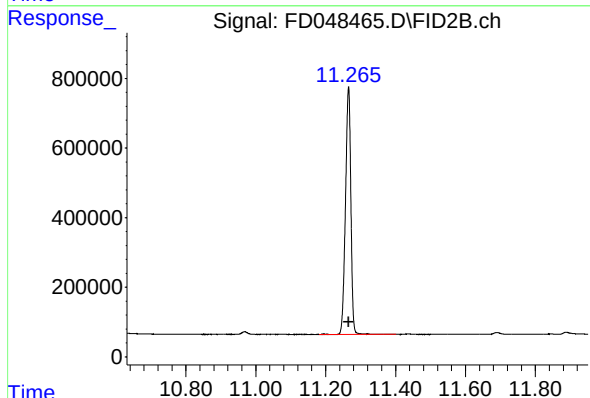
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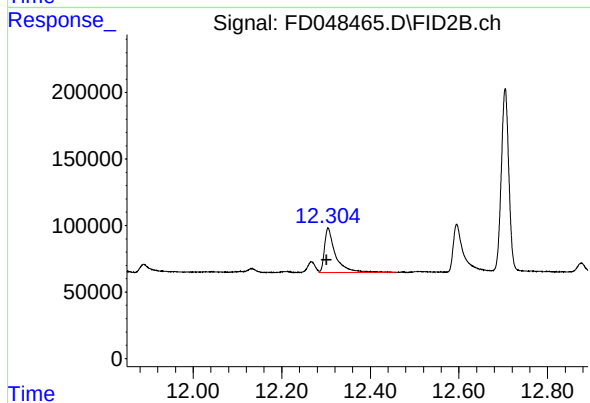
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: 0.004 min
Response: 468672
Conc: 2.63 ug/ml



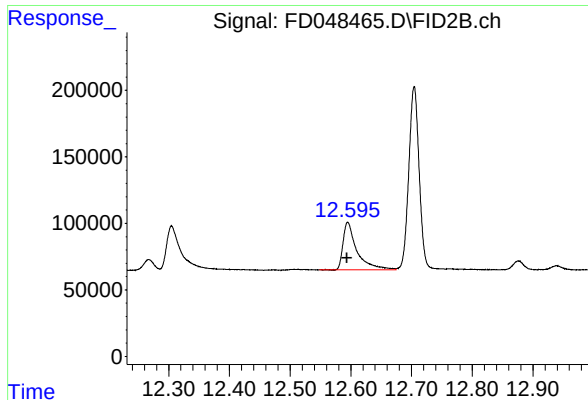
#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 7576831
Conc: 41.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.305 min
Delta R.T.: 0.004 min
Response: 578598
Conc: 3.20 ug/ml



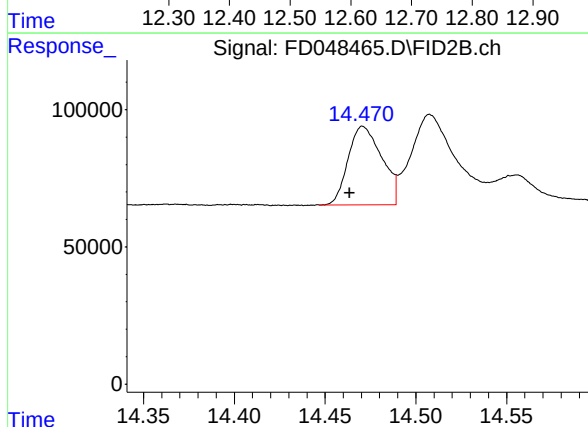
#13 Pyrene (C20.8)

R.T.: 12.595 min
Delta R.T.: 0.002 min
Response: 569493
Conc: 3.18 ug/ml

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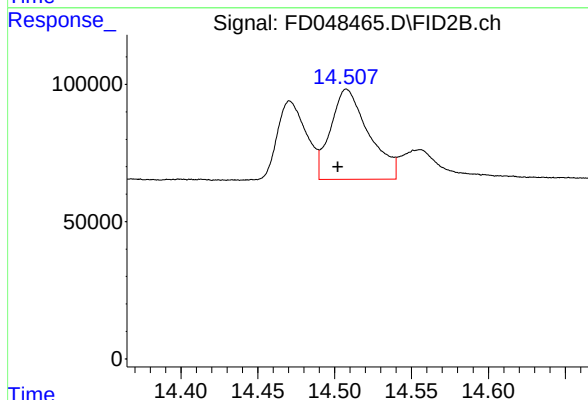
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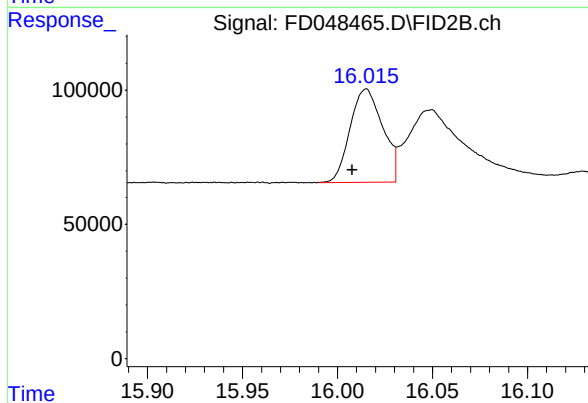
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.470 min
Delta R.T.: 0.006 min
Response: 371603
Conc: 2.33 ug/ml m



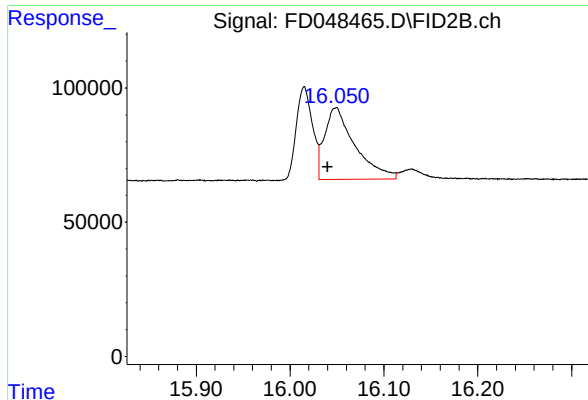
#15 Chrysene (C27.41)

R.T.: 14.508 min
Delta R.T.: 0.006 min
Response: 566156
Conc: 3.04 ug/ml



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

R.T.: 16.015 min
Delta R.T.: 0.007 min
Response: 418134
Conc: 2.51 ug/ml m



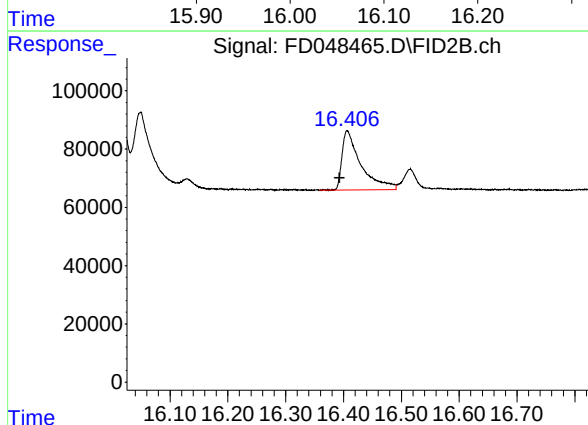
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.050 min
Delta R.T.: 0.010 min
Response: 597224
Conc: 3.52 ug/ml

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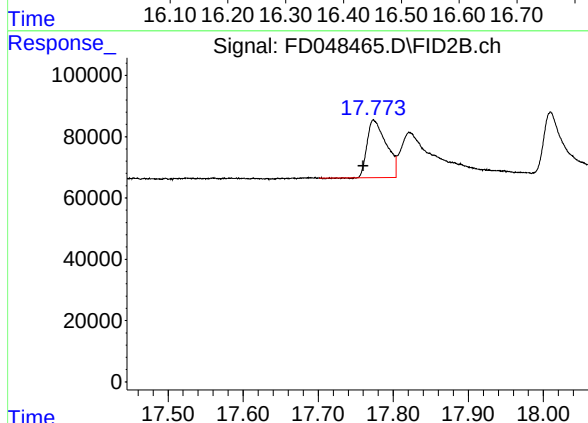
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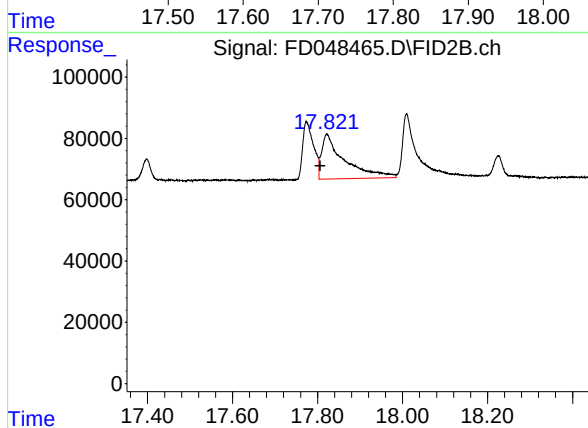
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.407 min
Delta R.T.: 0.014 min
Response: 459401
Conc: 2.81 ug/ml



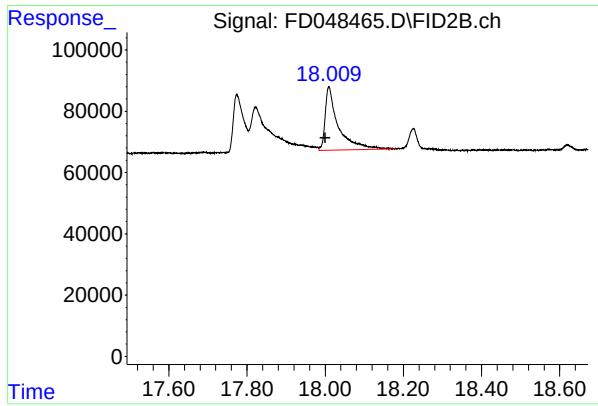
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.775 min
Delta R.T.: 0.015 min
Response: 330974
Conc: 2.52 ug/ml



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

R.T.: 17.822 min
Delta R.T.: 0.016 min
Response: 540540
Conc: 3.23 ug/ml



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

R.T.: 18.010 min
Delta R.T.: 0.009 min
Response: 485499
Conc: 2.99 ug/ml

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