

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082224AR\
 Data File : FF014464.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2024 08:56
 Operator : YP\AJ
 Sample : P3390-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :Ankita Jodhani 08/23/2024

Integration File: autoint1.e
 Quant Time: Aug 23 02:40:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 082024.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 20 15:55:53 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...	7.874	5971065	53.326 ug/ml
Spiked Amount 50.000		Recovery =	106.65%
6) S 2-Fluorobiphenyl (SURR)	8.744	3665557	54.752 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	109.50%
11) S ortho-Terphenyl (SURR)	11.807	6456590	44.815 ug/ml
Spiked Amount 50.000		Recovery =	89.63%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	236881	1.778 ug/ml
2) T Naphthalene (C11.7)	6.160	240410	1.806 ug/ml
3) T 2-Methylnaphthalene (...)	7.255	249909	1.872 ug/mlm
5) T Acenaphthylene (C15.06)	8.548	270708	2.021 ug/ml
7) T Acenaphthene (C15.5)	8.843	597833	4.189 ug/ml
8) T Fluorene (C16.55)	9.640	241758	1.865 ug/mlm
9) T Phenanthrene (C19.36)	11.044	217736	1.709 ug/mlm
10) T Anthracene (C19.43)	11.125	246874	1.850 ug/ml
12) T Fluoranthene (C21.85)	12.862	265424	1.932 ug/ml
13) T Pyrene (C20.8)	13.156	261835	1.890 ug/mlm
14) T Benzo[a]anthracene (C...	15.056	106402	0.946 ug/mlm
15) T Chrysene (C27.41)	15.100	376012	2.407 ug/ml
16) T benzo[b]fluoranthene ...	16.610	139965	1.190 ug/ml
17) T Bnezo[k]fluoranthene ...	16.642	324528	2.237 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.000	152403	1.206 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.388	163705	1.958 ug/ml
20) T Dibenz[a,h]anthracene...	18.454	225718	1.634 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.613	199385	1.625 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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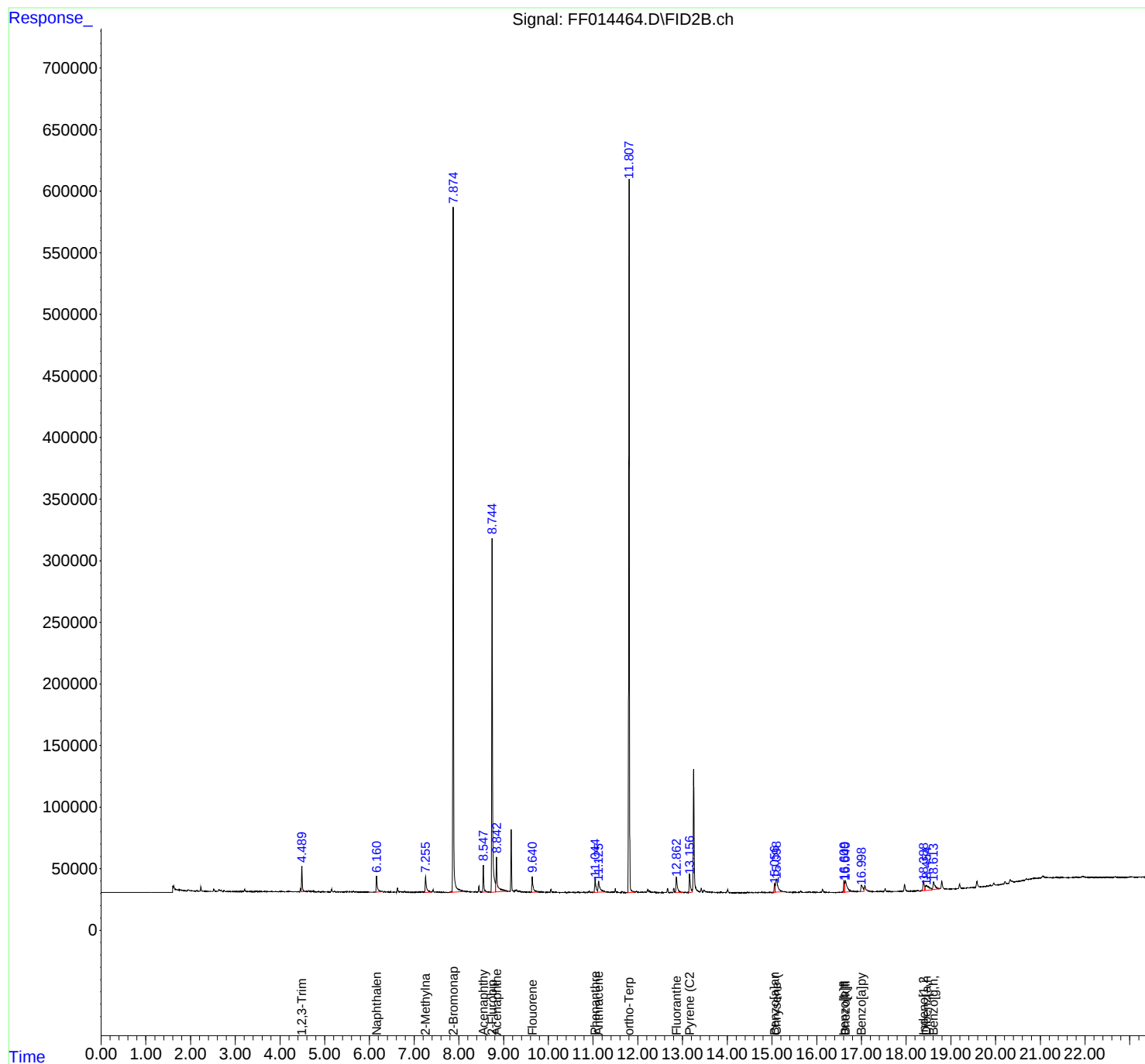
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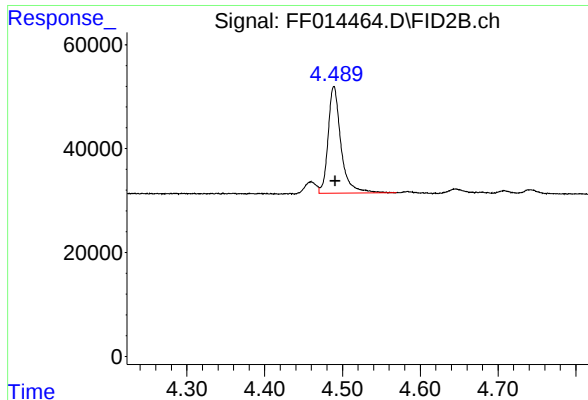
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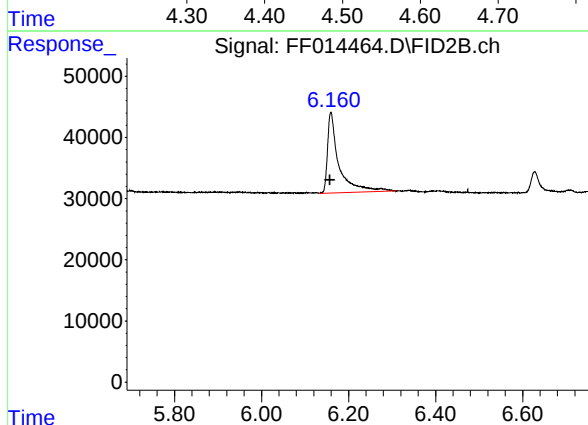
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.489 min
Delta R.T.: -0.002 min
Response: 236881
Conc: 1.78 ug/ml

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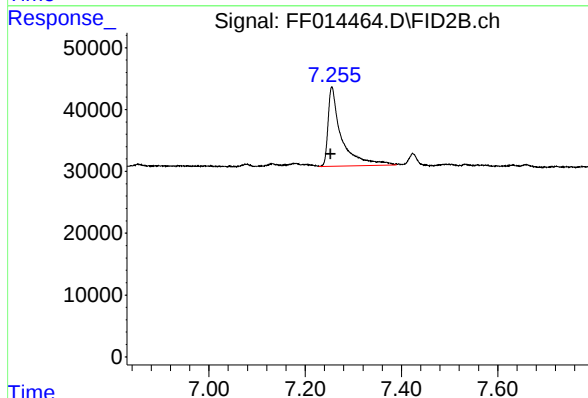
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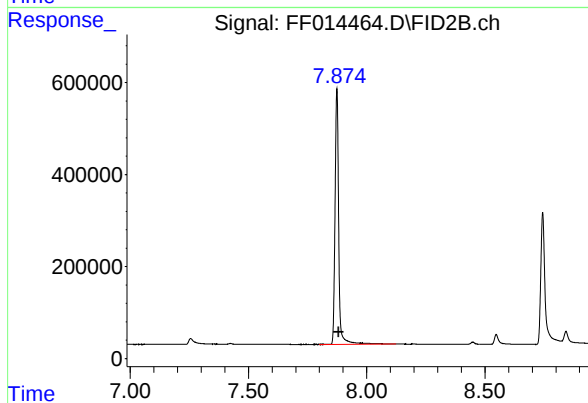
#2 Naphthalene (C11.7)

R.T.: 6.160 min
Delta R.T.: 0.002 min
Response: 240410
Conc: 1.81 ug/ml



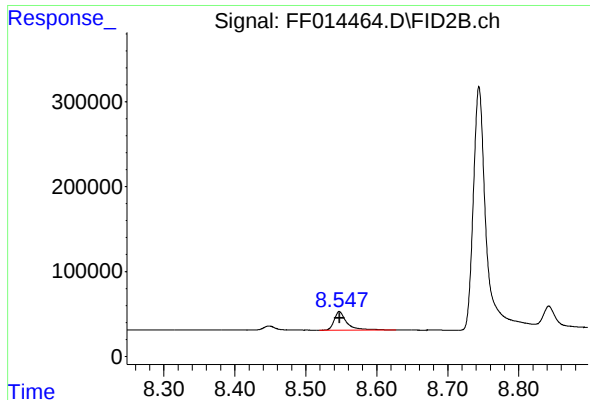
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.255 min
Delta R.T.: 0.002 min
Response: 249909
Conc: 1.87 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.874 min
Delta R.T.: -0.008 min
Response: 5971065
Conc: 53.33 ug/ml



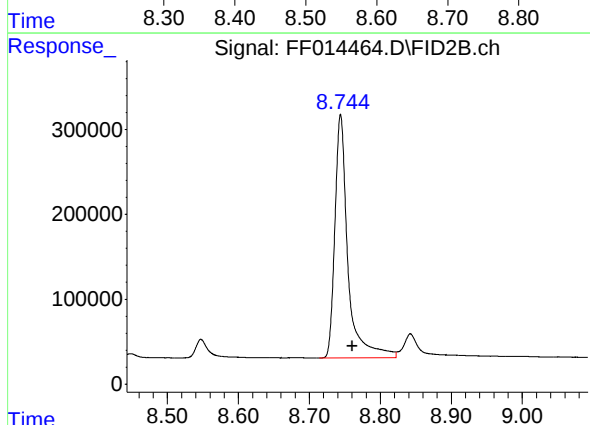
#5 Acenaphthylene (C15.06)

R.T.: 8.548 min
Delta R.T.: 0.000 min
Response: 270708
Conc: 2.02 ug/ml

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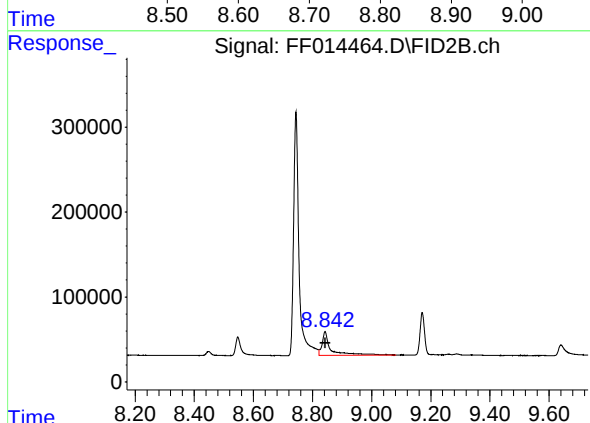
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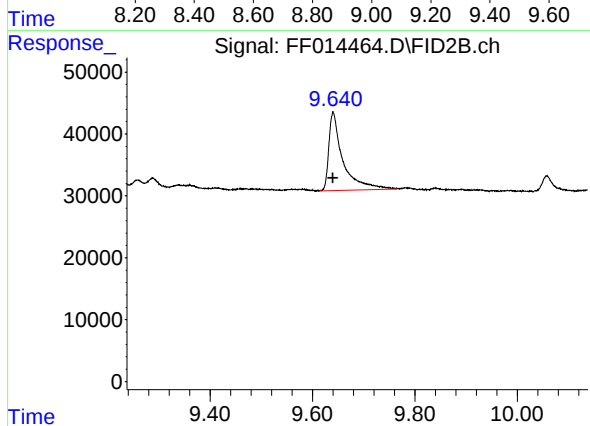
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.744 min
Delta R.T.: -0.016 min
Response: 366557
Conc: 54.75 ug/ml



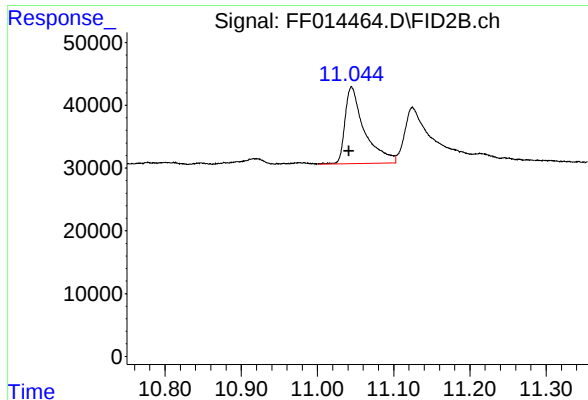
#7 Acenaphthene (C15.5)

R.T.: 8.843 min
Delta R.T.: -0.002 min
Response: 597833
Conc: 4.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.640 min
Delta R.T.: 0.000 min
Response: 241758
Conc: 1.86 ug/ml m



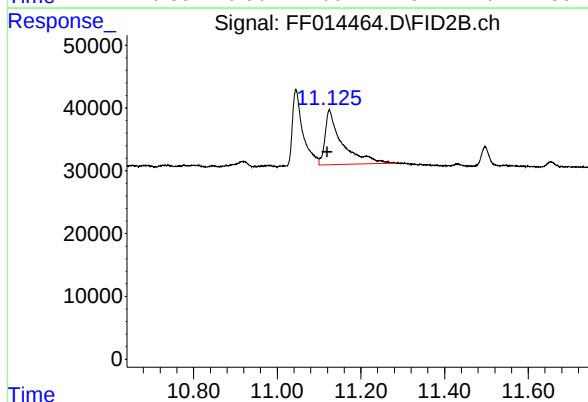
#9 Phenanthrene (C19.36)

R.T.: 11.044 min
Delta R.T.: 0.003 min
Response: 217736
Conc: 1.71 ug/ml

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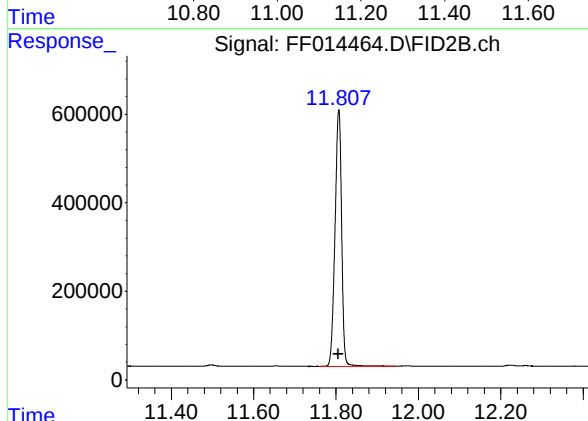
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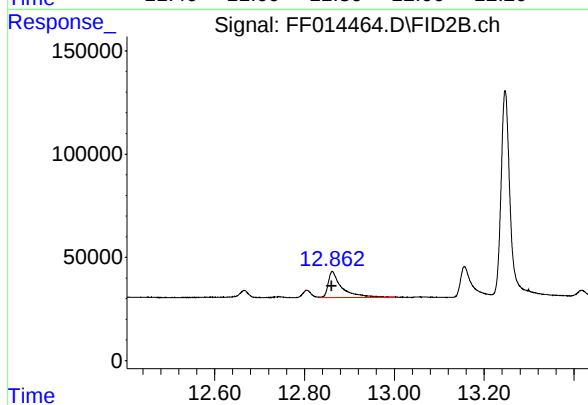
#10 Anthracene (C19.43)

R.T.: 11.125 min
Delta R.T.: 0.005 min
Response: 246874
Conc: 1.85 ug/ml



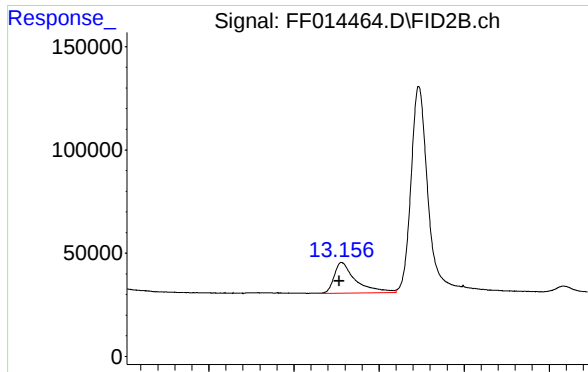
#11 ortho-Terphenyl (SURR)

R.T.: 11.807 min
Delta R.T.: 0.000 min
Response: 6456590
Conc: 44.81 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.862 min
Delta R.T.: 0.002 min
Response: 265424
Conc: 1.93 ug/ml



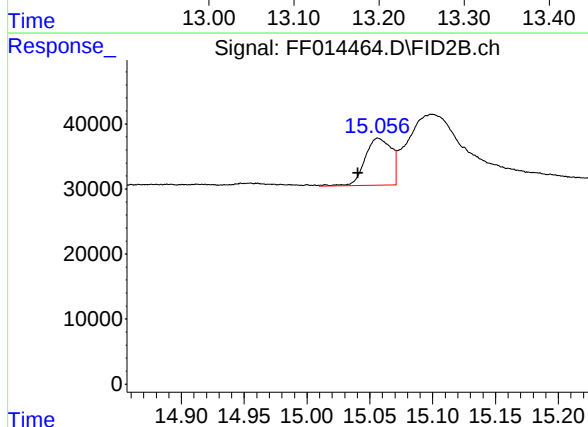
#13 Pyrene (C20.8)

R.T.: 13.156 min
Delta R.T.: 0.003 min
Response: 261835
Conc: 1.89 ug/ml

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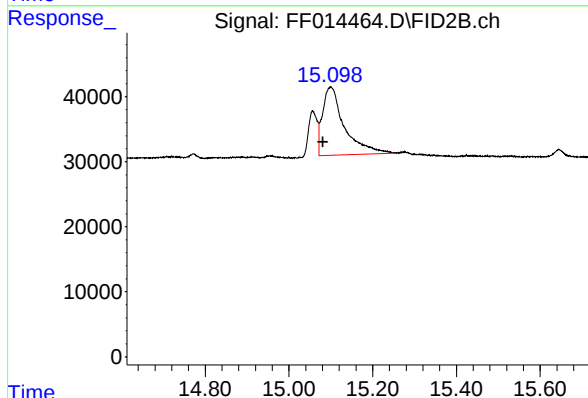
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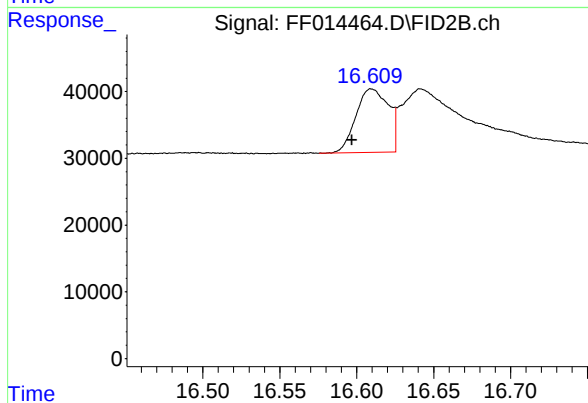
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.056 min
Delta R.T.: 0.015 min
Response: 106402
Conc: 0.95 ug/ml m



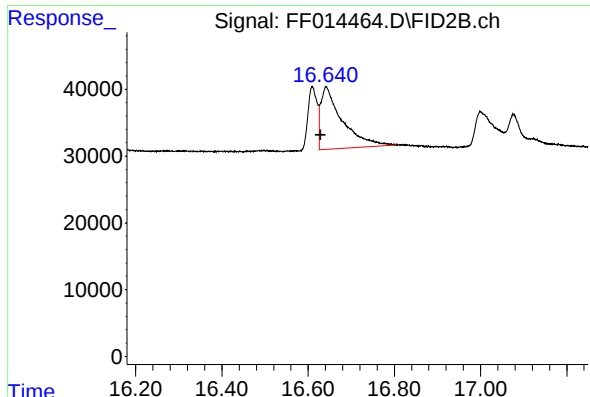
#15 Chrysene (C27.41)

R.T.: 15.100 min
Delta R.T.: 0.019 min
Response: 376012
Conc: 2.41 ug/ml



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

R.T.: 16.610 min
Delta R.T.: 0.013 min
Response: 139965
Conc: 1.19 ug/ml



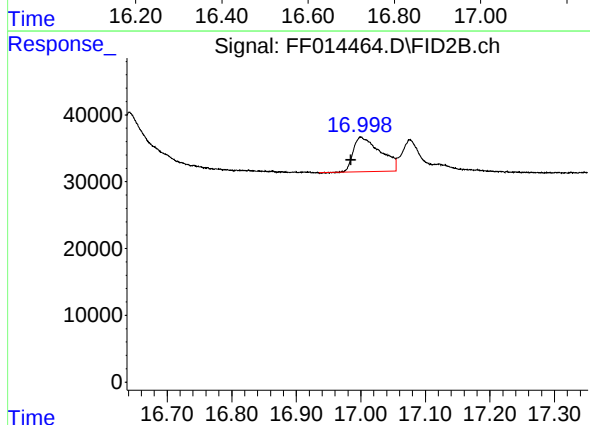
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.642 min
Delta R.T.: 0.013 min
Response: 324528
Conc: 2.24 ug/ml

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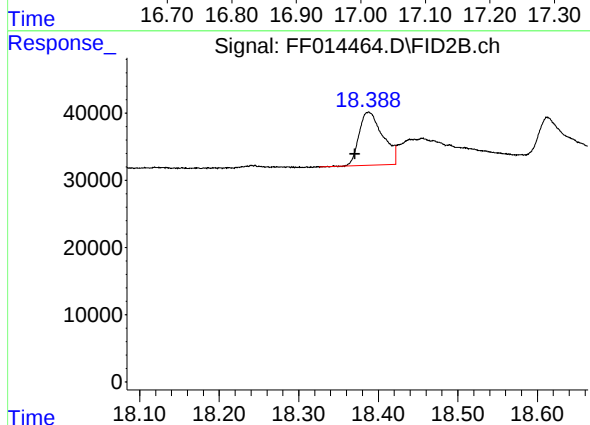
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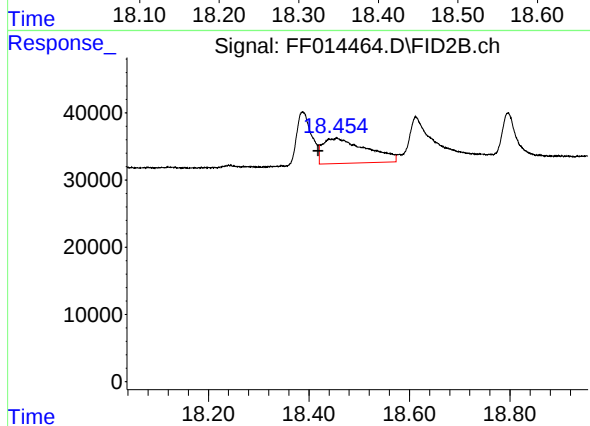
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.000 min
Delta R.T.: 0.015 min
Response: 152403
Conc: 1.21 ug/ml



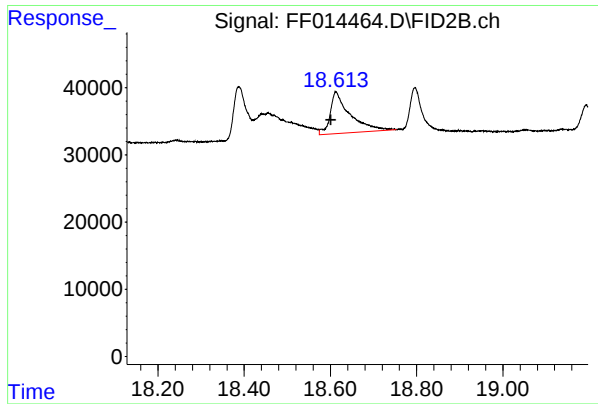
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.388 min
Delta R.T.: 0.017 min
Response: 163705
Conc: 1.96 ug/ml



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

R.T.: 18.454 min
Delta R.T.: 0.034 min
Response: 225718
Conc: 1.63 ug/ml m



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

R.T.: 18.613 min
Delta R.T.: 0.011 min
Response: 199385
Conc: 1.63 ug/ml

Instrument :

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