

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102324AR\
 Data File : FG014498.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 02:00
 Operator : YP\AJ
 Sample : P4368-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 03:45:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 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...	8.033	8184241	65.195 ug/ml
Spiked Amount 50.000		Recovery =	130.39%
6) S 2-Fluorobiphenyl (SURR)	8.908	5060735	58.753 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.51%
11) S ortho-Terphenyl (SURR)	11.981	7789888	52.614 ug/ml
Spiked Amount 50.000		Recovery =	105.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.635	307861	2.272 ug/ml
2) T Naphthalene (C11.7)	6.305	365113	2.544 ug/ml
3) T 2-Methylnaphthalene (...)	7.402	377987	2.588 ug/ml
5) T Acenaphthylene (C15.06)	8.705	368913	2.534 ug/ml
7) T Acenaphthene (C15.5)	9.005	363510	2.512 ug/ml
8) T Flouorene (C16.55)	9.794	379614	2.620 ug/mlm
9) T Phenanthrene (C19.36)	11.202	381343	2.591 ug/ml
10) T Anthracene (C19.43)	11.275	380337	2.712 ug/ml
12) T Fluoranthene (C21.85)	13.024	393095	2.658 ug/ml
13) T Pyrene (C20.8)	13.322	395249	2.688 ug/ml
14) T Benzo[a]anthracene (C...	15.200	391688	2.705 ug/ml
15) T Chrysene (C27.41)	15.241	403441	2.750 ug/mlm
16) T benzo[b]fluoranthene ...	16.754	384065	2.611 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.786	396905	2.876 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.134	362806	2.544 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.501	374342	2.805 ug/ml
20) T Dibenz[a,h]anthracene...	18.545	504480	3.615 ug/ml
21) T Benzo[g,h,i]perylene ...	18.755	343146	2.466 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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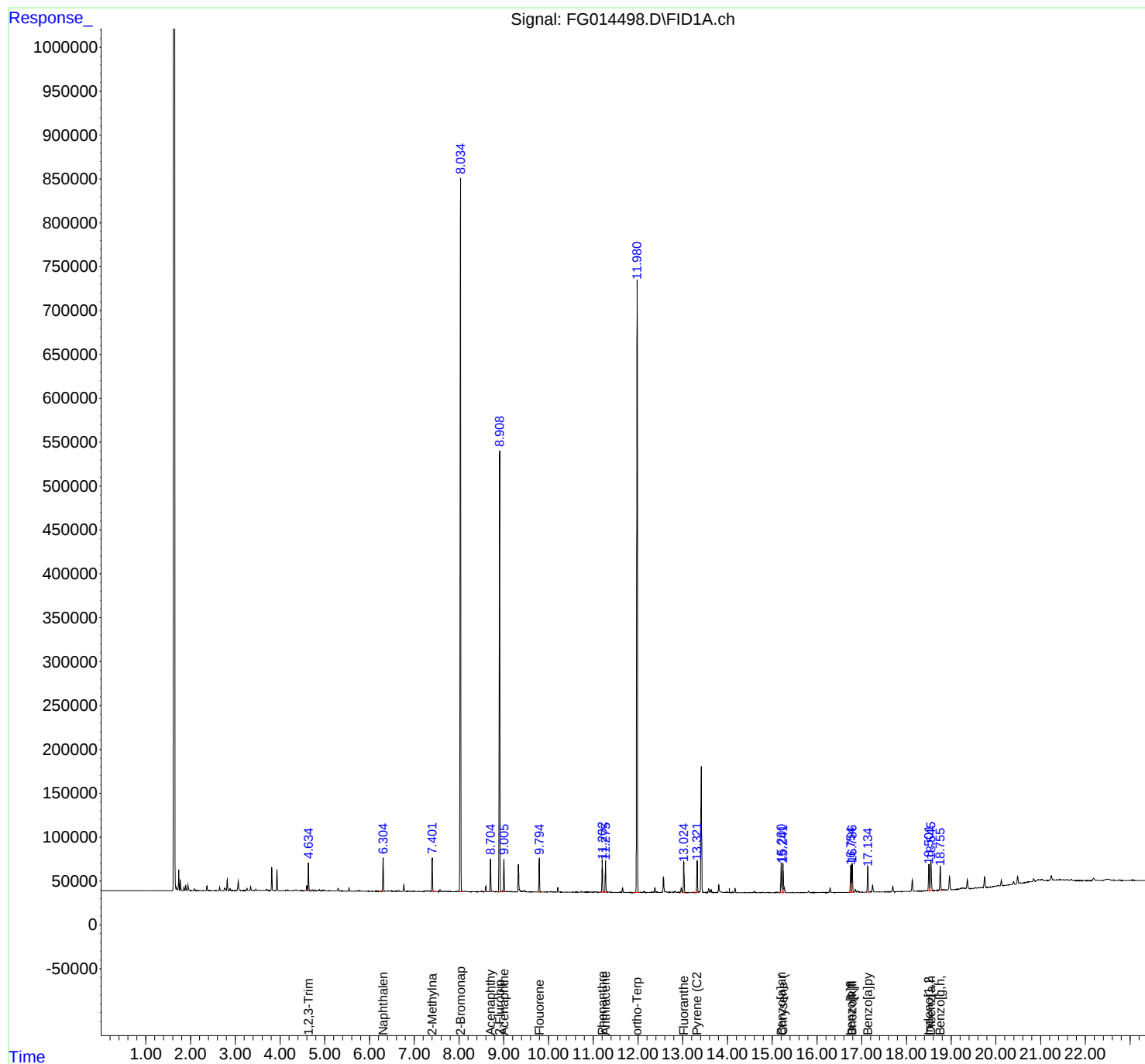
Instrument :
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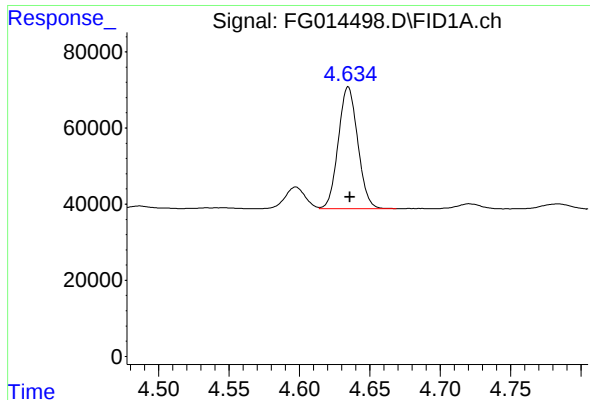
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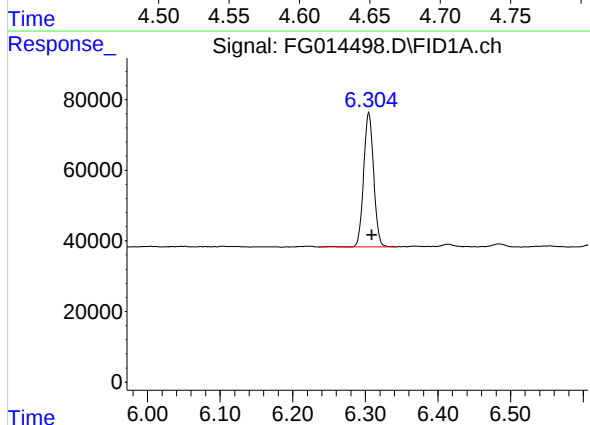
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.635 min
Delta R.T.: -0.001 min
Response: 307861
Conc: 2.27 ug/ml

Instrument :
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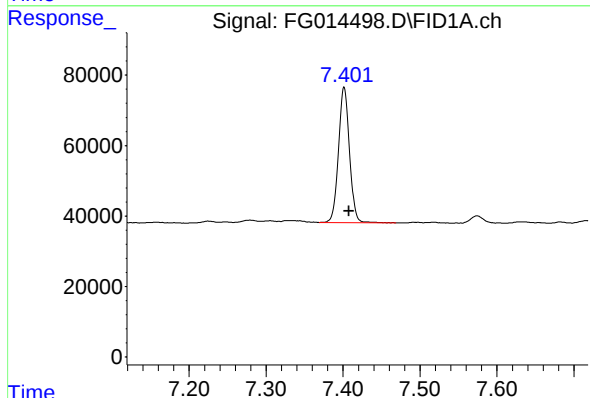
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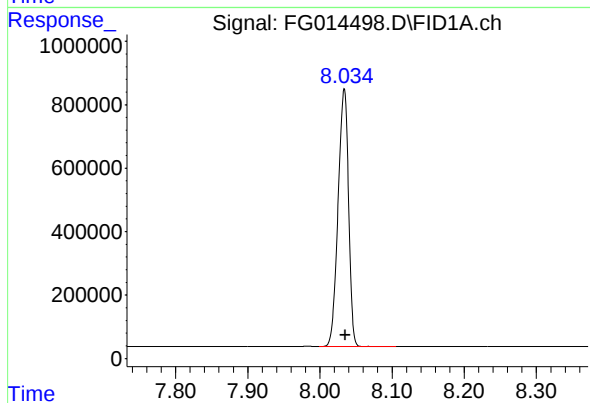
#2 Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: -0.004 min
Response: 365113
Conc: 2.54 ug/ml



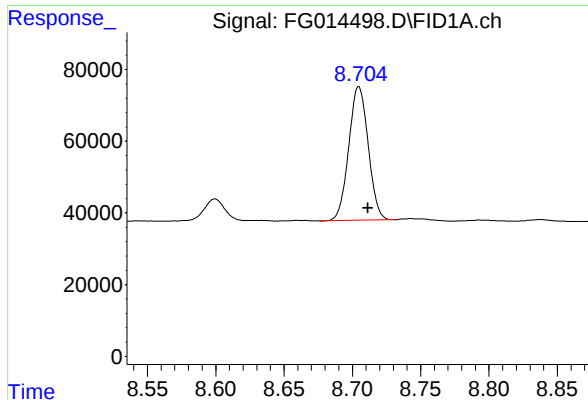
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.402 min
Delta R.T.: -0.006 min
Response: 377987
Conc: 2.59 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.033 min
Delta R.T.: -0.002 min
Response: 8184241
Conc: 65.19 ug/ml



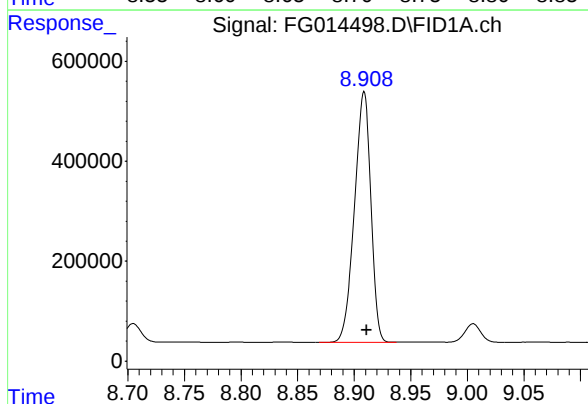
#5 Acenaphthylene (C15.06)

R.T.: 8.705 min
Delta R.T.: -0.007 min
Response: 368913
Conc: 2.53 ug/ml

Instrument :
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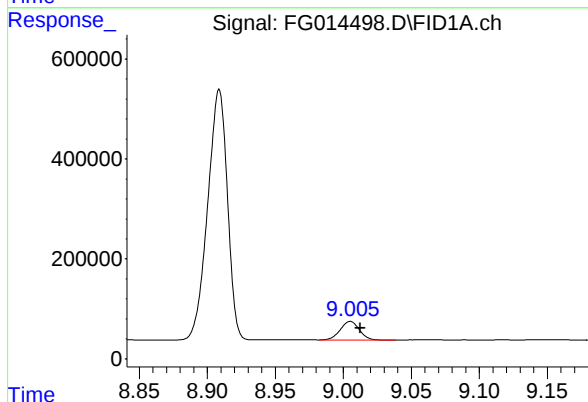
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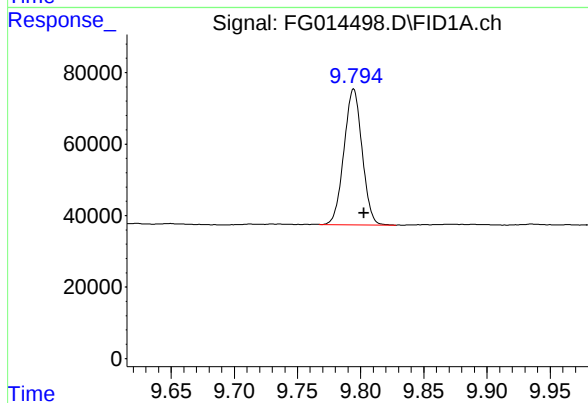
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.908 min
Delta R.T.: -0.003 min
Response: 5060735
Conc: 58.75 ug/ml



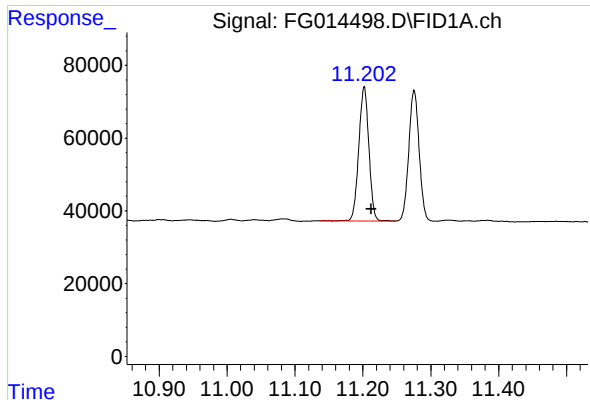
#7 Acenaphthene (C15.5)

R.T.: 9.005 min
Delta R.T.: -0.007 min
Response: 363510
Conc: 2.51 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.794 min
Delta R.T.: -0.008 min
Response: 379614
Conc: 2.62 ug/ml m



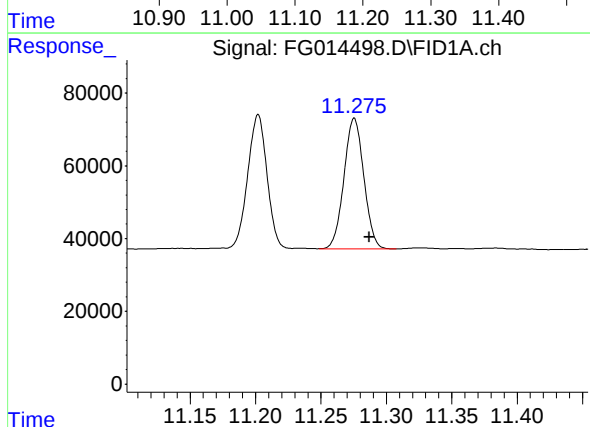
#9 Phenanthrene (C19.36)

R.T.: 11.202 min
Delta R.T.: -0.010 min
Response: 381343
Conc: 2.59 ug/ml

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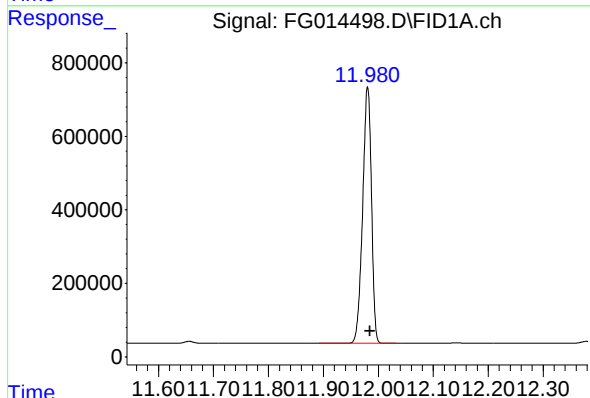
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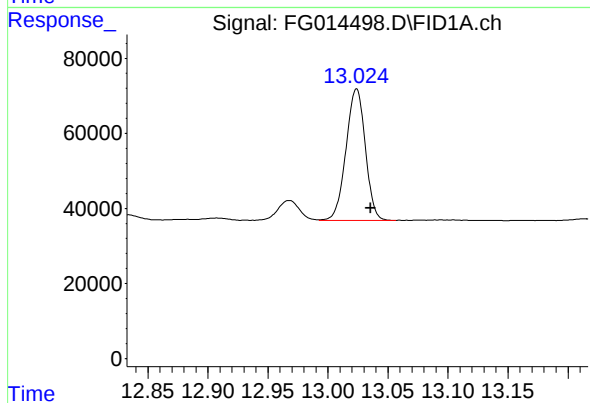
#10 Anthracene (C19.43)

R.T.: 11.275 min
Delta R.T.: -0.012 min
Response: 380337
Conc: 2.71 ug/ml



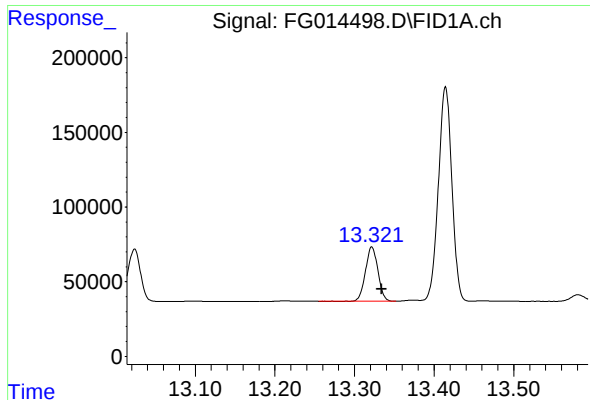
#11 ortho-Terphenyl (SURR)

R.T.: 11.981 min
Delta R.T.: -0.004 min
Response: 7789888
Conc: 52.61 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.024 min
Delta R.T.: -0.012 min
Response: 393095
Conc: 2.66 ug/ml



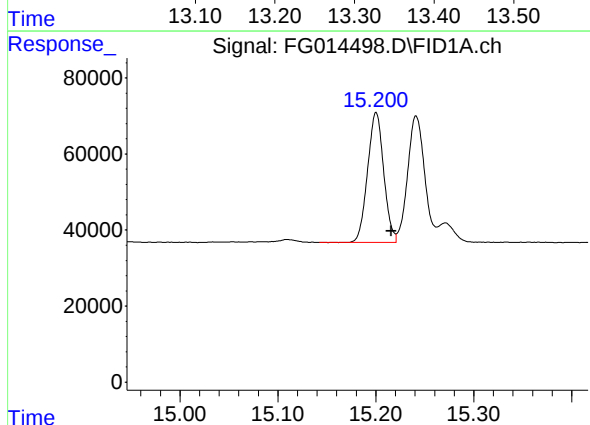
#13 Pyrene (C20.8)

R.T.: 13.322 min
Delta R.T.: -0.012 min
Response: 395249
Conc: 2.69 ug/ml

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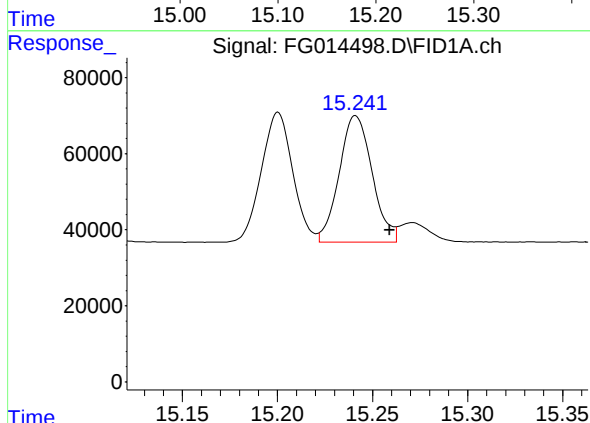
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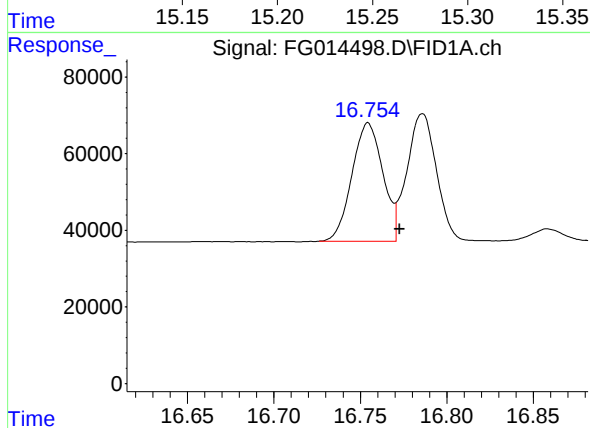
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.200 min
Delta R.T.: -0.016 min
Response: 391688
Conc: 2.70 ug/ml



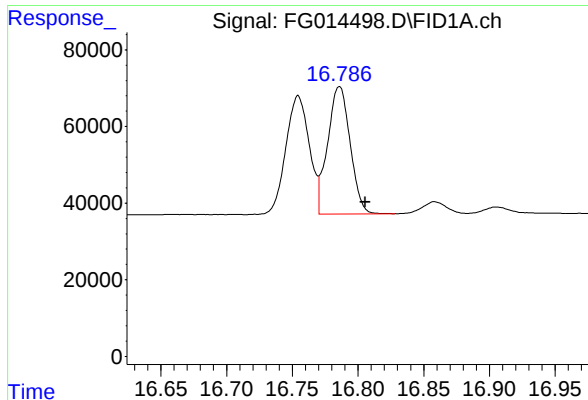
#15 Chrysene (C27.41)

R.T.: 15.241 min
Delta R.T.: -0.018 min
Response: 403441
Conc: 2.75 ug/ml m



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

R.T.: 16.754 min
Delta R.T.: -0.019 min
Response: 384065
Conc: 2.61 ug/ml m



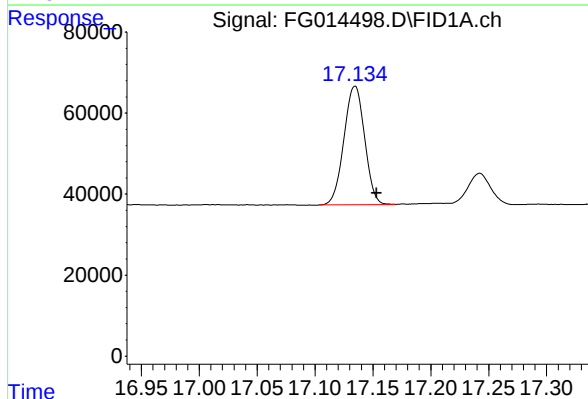
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.786 min
Delta R.T.: -0.020 min
Response: 396905
Conc: 2.88 ug/ml

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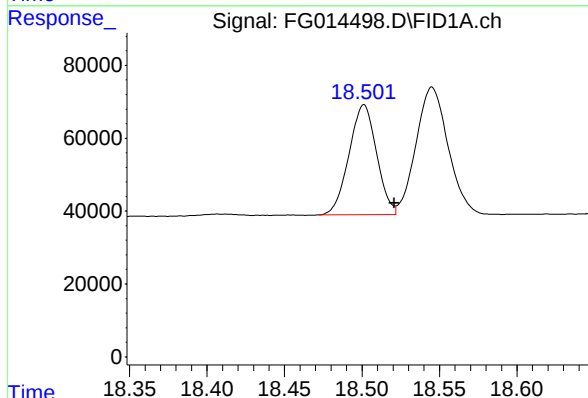
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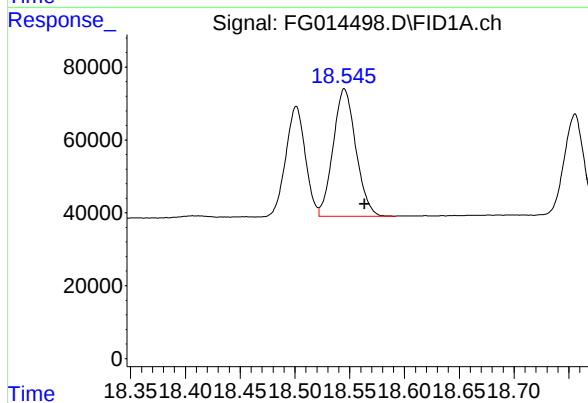
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.134 min
Delta R.T.: -0.019 min
Response: 362806
Conc: 2.54 ug/ml m



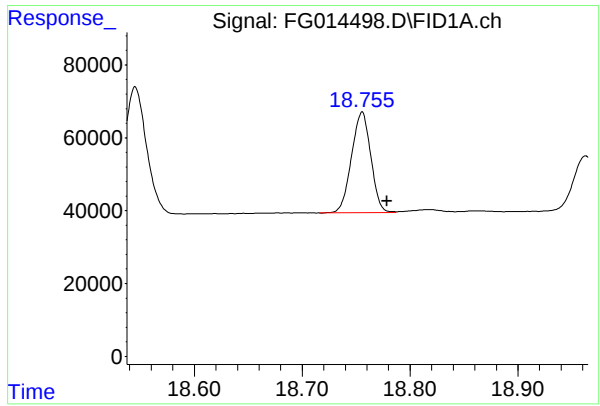
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.501 min
Delta R.T.: -0.020 min
Response: 374342
Conc: 2.80 ug/ml



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

R.T.: 18.545 min
Delta R.T.: -0.018 min
Response: 504480
Conc: 3.61 ug/ml



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

R.T.: 18.755 min
Delta R.T.: -0.023 min
Response: 343146
Conc: 2.47 ug/ml

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