

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
 Data File : FF015331.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jan 2025 18:14
 Operator : YP\AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 00:48:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 2025
 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...	7.992	7205097	54.584 ug/ml
Spiked Amount 50.000		Recovery =	109.17%
6) S 2-Fluorobiphenyl (SURR)	8.865	4584747	54.316 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	108.63%
11) S ortho-Terphenyl (SURR)	11.930	6886908	40.007 ug/ml
Spiked Amount 50.000		Recovery =	80.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.603	575549	3.588 ug/ml
2) T Naphthalene (C11.7)	6.269	641452	4.001 ug/mlm
3) T 2-Methylnaphthalene (...)	7.363	655669	4.123 ug/mlm
5) T Acenaphthylene (C15.06)	8.663	651754	4.102 ug/ml
7) T Acenaphthene (C15.5)	8.961	685532	4.204 ug/ml
8) T Flouorene (C16.55)	9.750	630163	4.002 ug/mlm
9) T Phenanthrene (C19.36)	11.156	610869	3.826 ug/ml
10) T Anthracene (C19.43)	11.232	605709	4.103 ug/ml
12) T Fluoranthene (C21.85)	12.976	649154	3.924 ug/ml
13) T Pyrene (C20.8)	13.274	650521	4.016 ug/ml
14) T Benzo[a]anthracene (C...	15.156	517977	3.472 ug/ml
15) T Chrysene (C27.41)	15.196	734148	4.726 ug/mlm
16) T benzo[b]fluoranthene ...	16.713	521372	3.523 ug/ml
17) T Bnezo[k]fluoranthene ...	16.744	625868	4.427 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.095	551384	3.881 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.467	466709	3.704 ug/mlm
20) T Dibenz[a,h]anthracene...	18.513	576278	3.895 ug/ml
21) T Benzo[g,h,i]perylene ...	18.718	513411	3.803 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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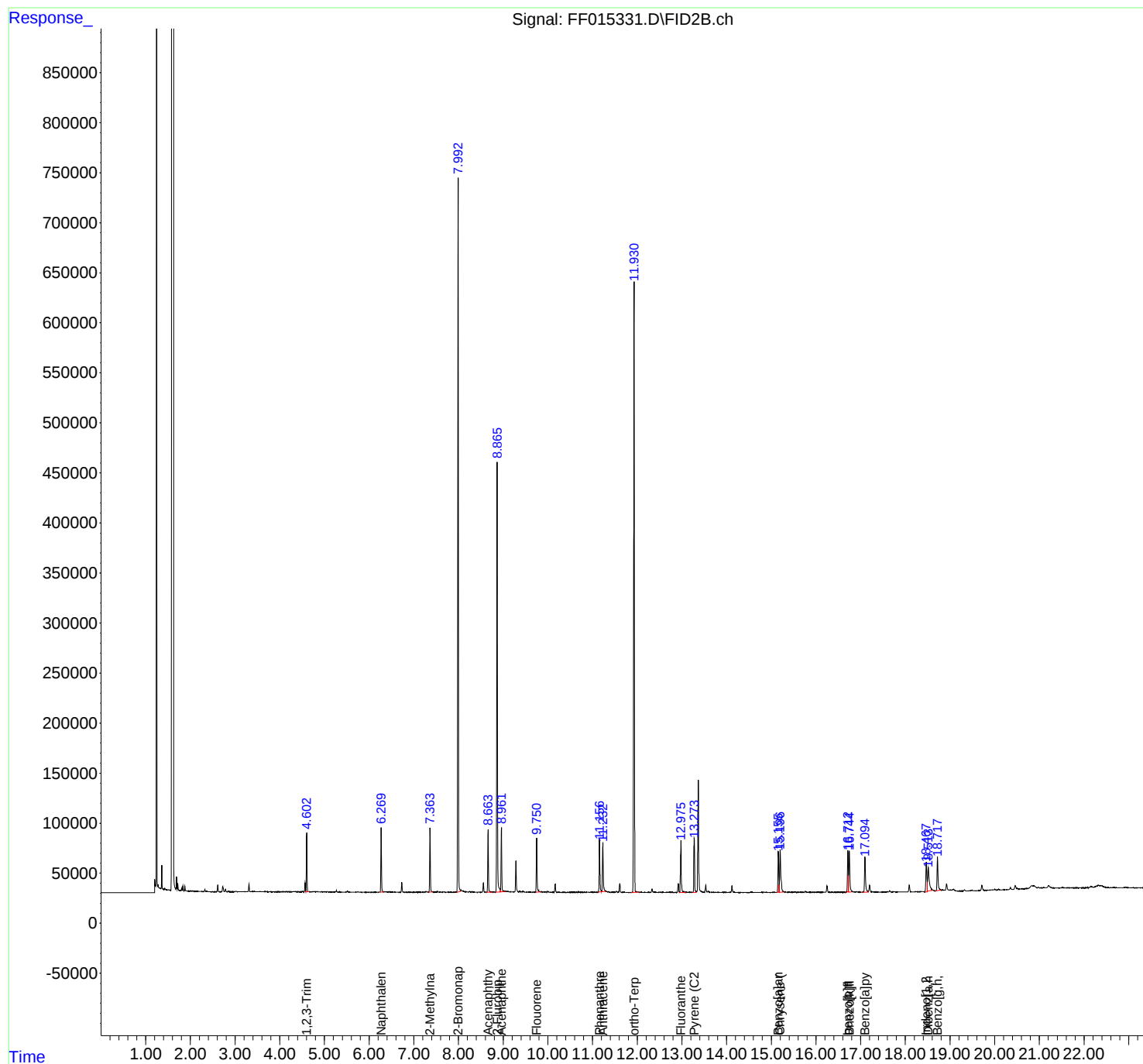
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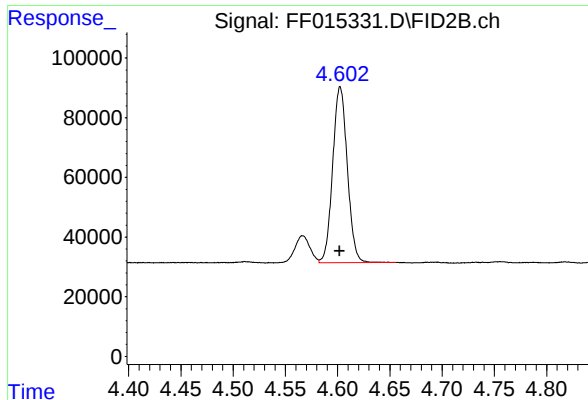
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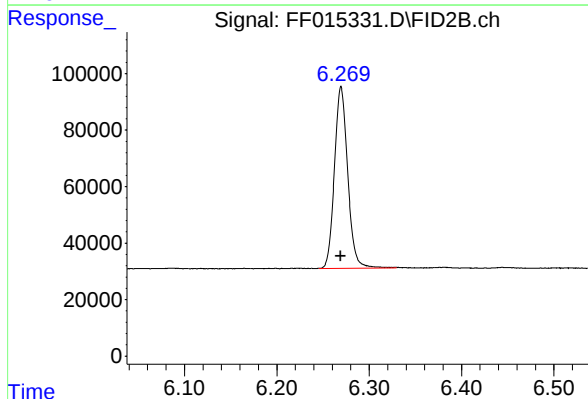
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.603 min
Delta R.T.: 0.000 min
Response: 575549
Conc: 3.59 ug/ml

Instrument : FID_F
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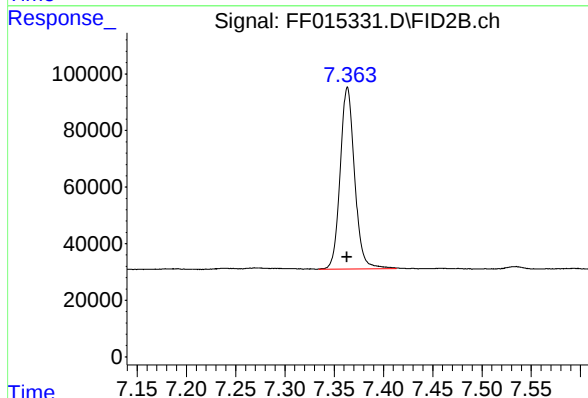
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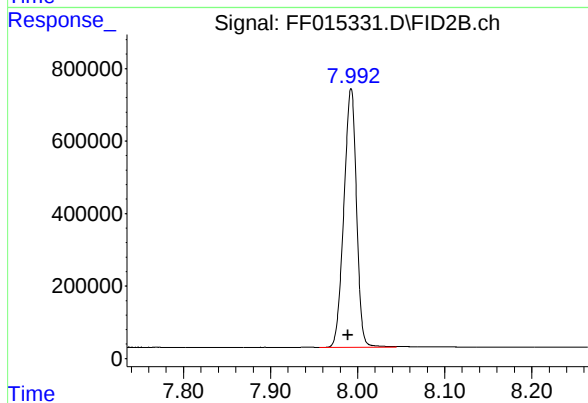
#2 Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 641452
Conc: 4.00 ug/ml m



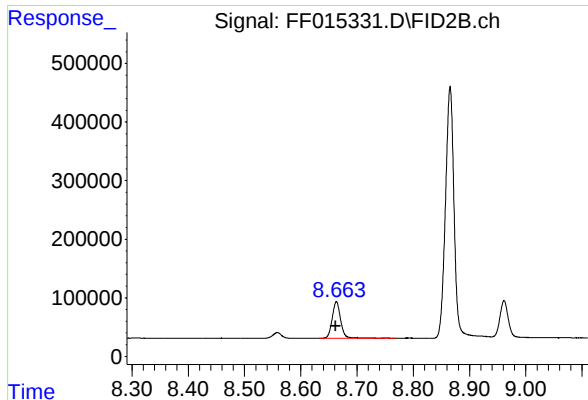
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 655669
Conc: 4.12 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.992 min
Delta R.T.: 0.003 min
Response: 7205097
Conc: 54.58 ug/ml



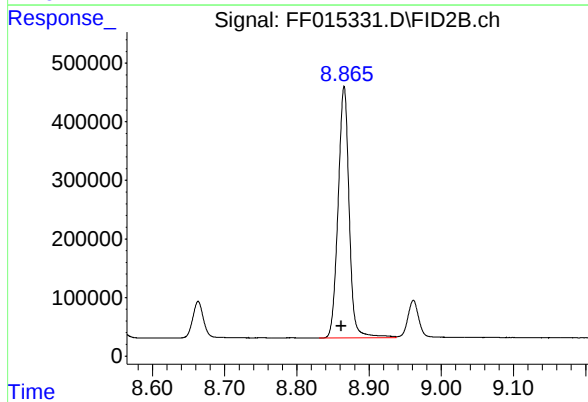
#5 Acenaphthylene (C15.06)

R.T.: 8.663 min
Delta R.T.: 0.001 min
Response: 651754
Conc: 4.10 ug/ml

Instrument : FID_F
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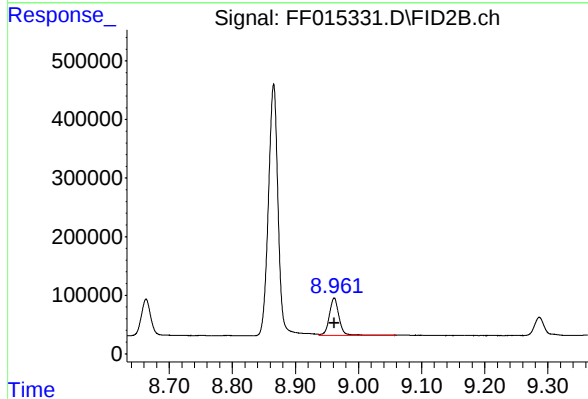
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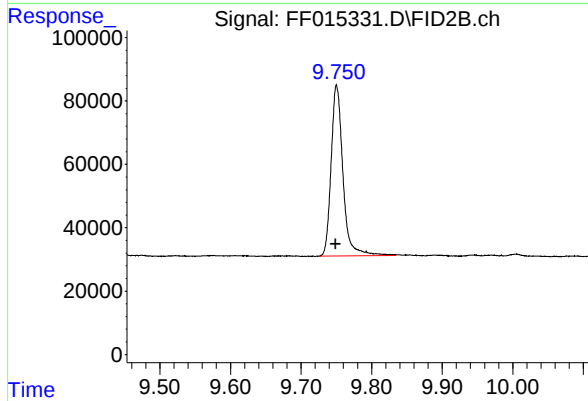
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.865 min
Delta R.T.: 0.004 min
Response: 4584747
Conc: 54.32 ug/ml



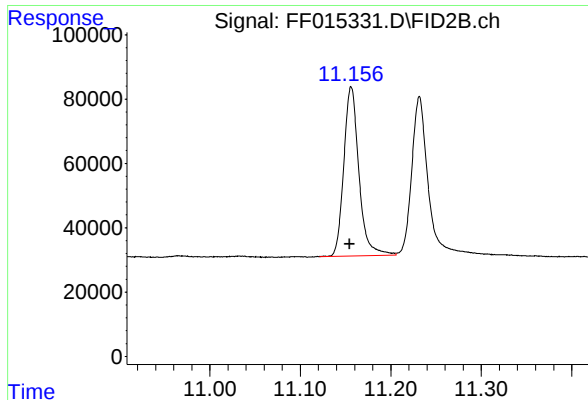
#7 Acenaphthene (C15.5)

R.T.: 8.961 min
Delta R.T.: 0.000 min
Response: 685532
Conc: 4.20 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.750 min
Delta R.T.: 0.000 min
Response: 630163
Conc: 4.00 ug/ml m



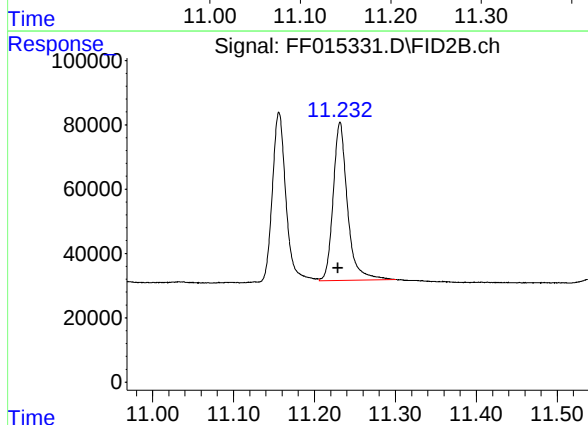
#9 Phenanthrene (C19.36)

R.T.: 11.156 min
Delta R.T.: 0.002 min
Response: 610869
Conc: 3.83 ug/ml

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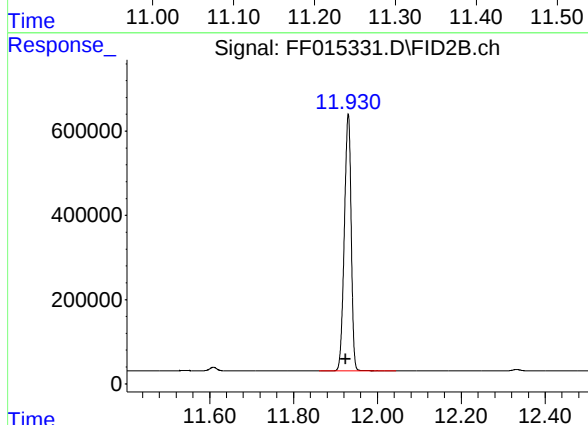
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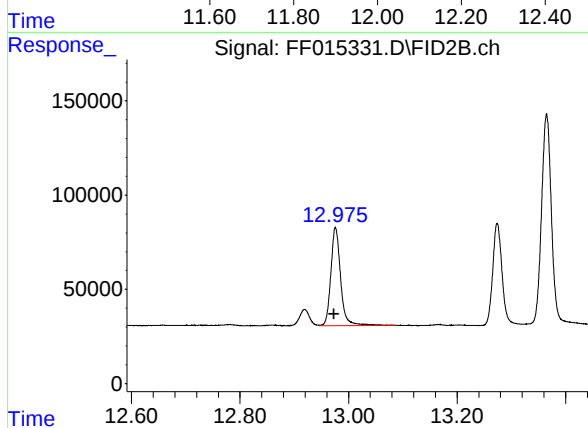
#10 Anthracene (C19.43)

R.T.: 11.232 min
Delta R.T.: 0.003 min
Response: 605709
Conc: 4.10 ug/ml



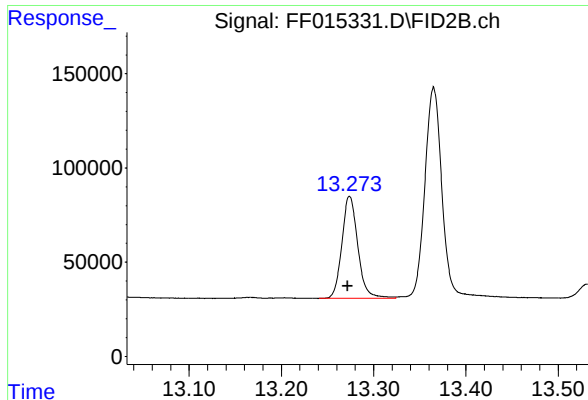
#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: 0.006 min
Response: 6886908
Conc: 40.01 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.976 min
Delta R.T.: 0.003 min
Response: 649154
Conc: 3.92 ug/ml



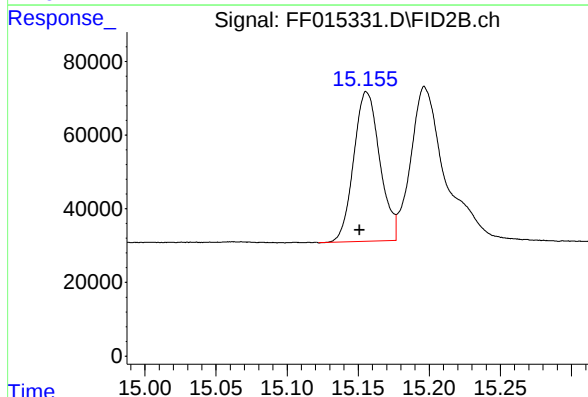
#13 Pyrene (C20.8)

R.T.: 13.274 min
Delta R.T.: 0.003 min
Response: 650521
Conc: 4.02 ug/ml

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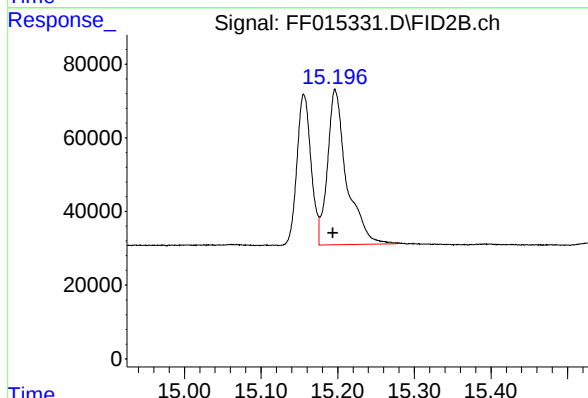
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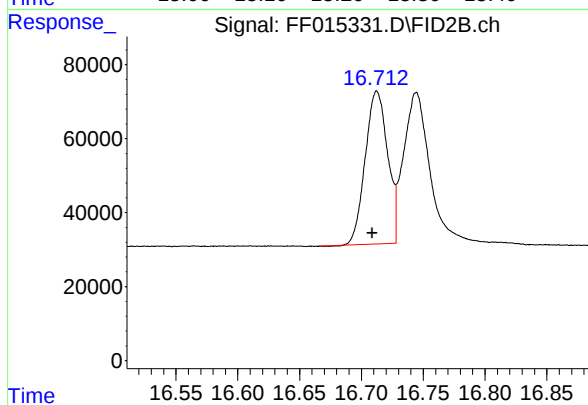
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.156 min
Delta R.T.: 0.005 min
Response: 517977
Conc: 3.47 ug/ml



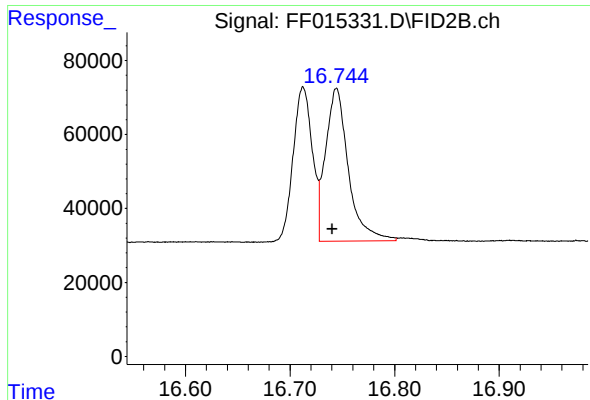
#15 Chrysene (C27.41)

R.T.: 15.196 min
Delta R.T.: 0.003 min
Response: 734148
Conc: 4.73 ug/ml m



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

R.T.: 16.713 min
Delta R.T.: 0.004 min
Response: 521372
Conc: 3.52 ug/ml



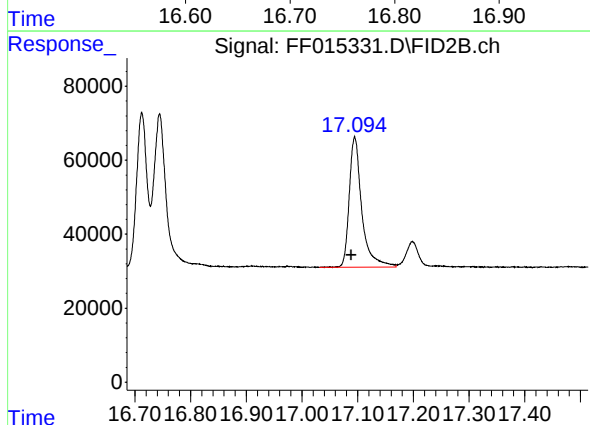
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.744 min
Delta R.T.: 0.004 min
Response: 625868
Conc: 4.43 ug/ml

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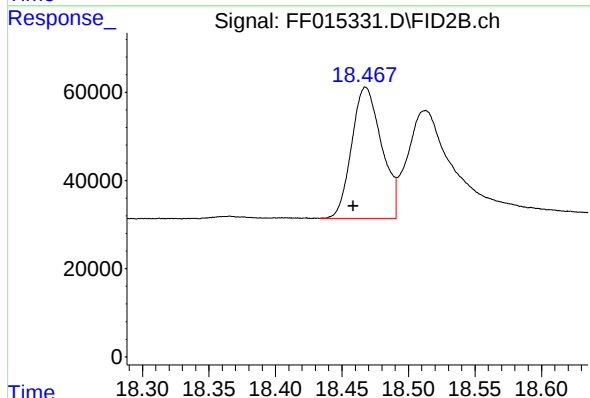
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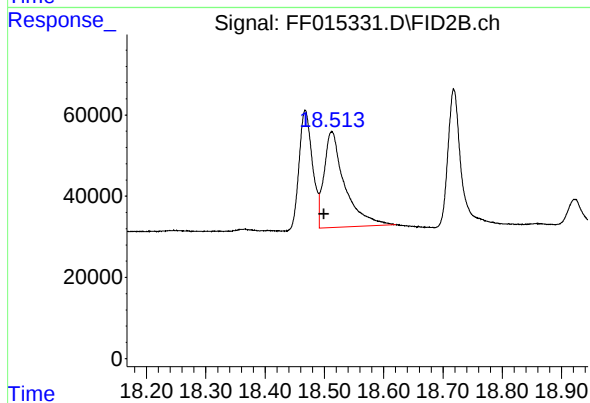
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.095 min
Delta R.T.: 0.006 min
Response: 551384
Conc: 3.88 ug/ml



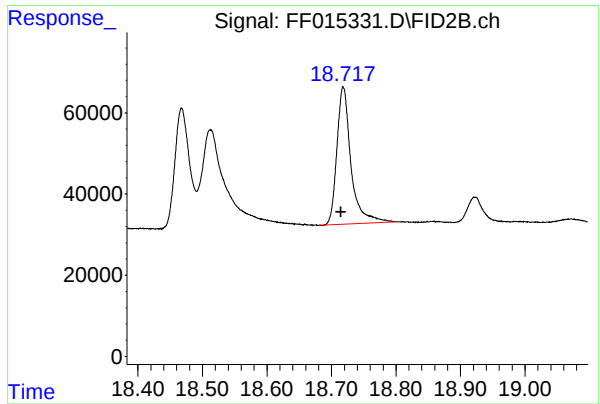
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.467 min
Delta R.T.: 0.008 min
Response: 466709
Conc: 3.70 ug/ml m



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

R.T.: 18.513 min
Delta R.T.: 0.014 min
Response: 576278
Conc: 3.90 ug/ml



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

R.T.: 18.718 min
Delta R.T.: 0.004 min
Response: 513411
Conc: 3.80 ug/ml

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