

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AR\
 Data File : FF015998.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 14:03
 Operator : YP\AJ
 Sample : Q2126-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 02:45:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 04:40:28 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...	8.059	5355712	47.165 ug/ml
Spiked Amount 50.000		Recovery =	94.33%
6) S 2-Fluorobiphenyl (SURR)	8.933	3693915	47.454 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	94.91%
11) S ortho-Terphenyl (SURR)	12.002	5718864	43.229 ug/ml
Spiked Amount 50.000		Recovery =	86.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.655	478629	3.866 ug/ml
2) T Naphthalene (C11.7)	6.328	546854	4.179 ug/ml
3) T 2-Methylnaphthalene (...)	7.426	517369	3.904 ug/ml
5) T Acenaphthylene (C15.06)	8.731	584800	4.432 ug/ml
7) T Acenaphthene (C15.5)	9.031	599055	4.588 ug/ml
8) T Fluorene (C16.55)	9.818	602200	4.630 ug/ml
9) T Phenanthrene (C19.36)	11.225	611388	4.714 ug/ml
10) T Anthracene (C19.43)	11.299	616678	4.775 ug/ml
12) T Fluoranthene (C21.85)	13.044	649724	4.973 ug/mlm
13) T Pyrene (C20.8)	13.344	644371	4.970 ug/ml
14) T Benzo[a]anthracene (C...	15.223	627321	4.976 ug/ml
15) T Chrysene (C27.41)	15.266	645759	5.060 ug/mlm
16) T benzo[b]fluoranthene ...	16.780	613918	4.902 ug/ml
17) T Bnezo[k]fluoranthene ...	16.812	615361	5.193 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.160	587215	4.805 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.529	588428	5.275 ug/ml
20) T Dibenz[a,h]anthracene...	18.571	598245	5.138 ug/ml
21) T Benzo[g,h,i]perylene ...	18.784	569434	4.893 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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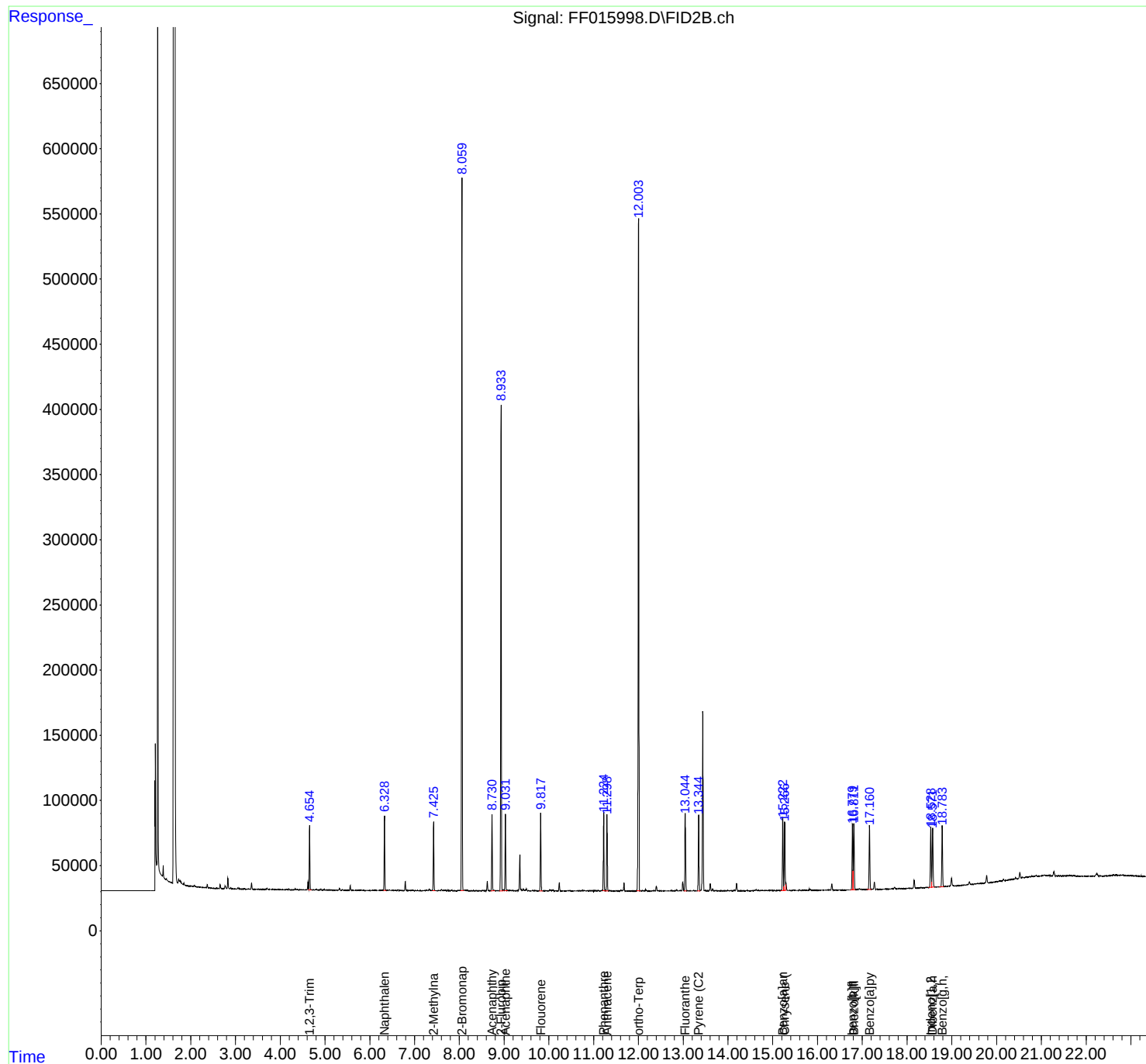
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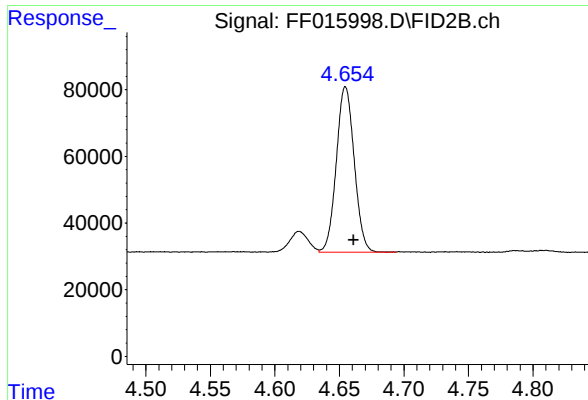
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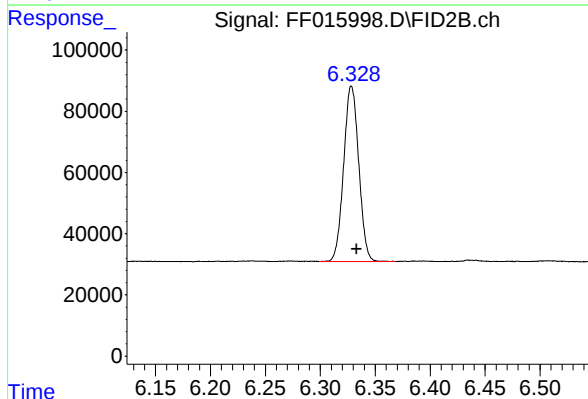
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.655 min
Delta R.T.: -0.006 min
Response: 478629
Conc: 3.87 ug/ml

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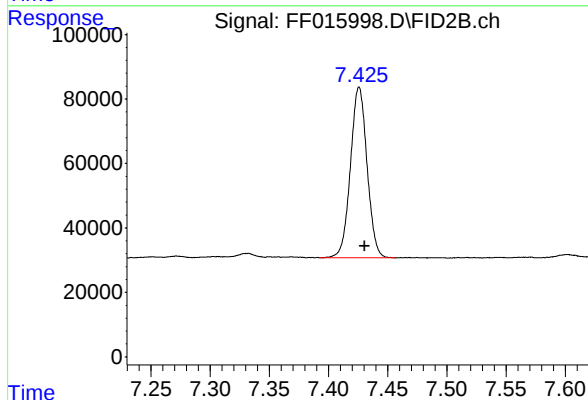
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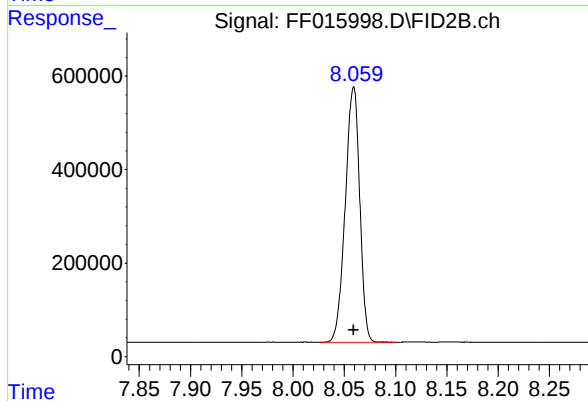
#2 Naphthalene (C11.7)

R.T.: 6.328 min
Delta R.T.: -0.004 min
Response: 546854
Conc: 4.18 ug/ml



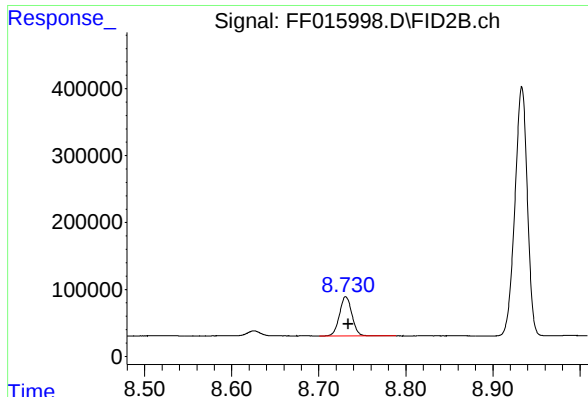
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.426 min
Delta R.T.: -0.004 min
Response: 517369
Conc: 3.90 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.059 min
Delta R.T.: 0.000 min
Response: 5355712
Conc: 47.17 ug/ml



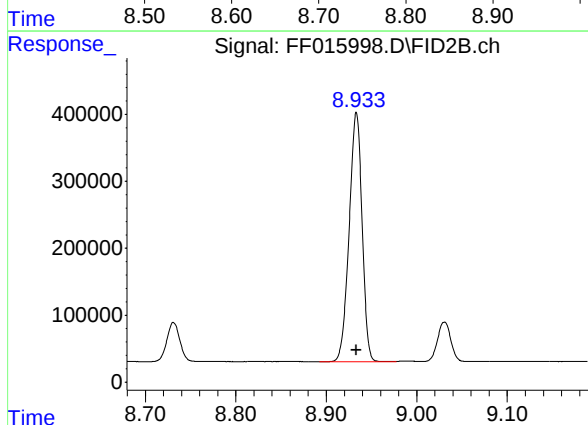
#5 Acenaphthylene (C15.06)

R.T.: 8.731 min
Delta R.T.: -0.003 min
Response: 584800
Conc: 4.43 ug/ml

Instrument :
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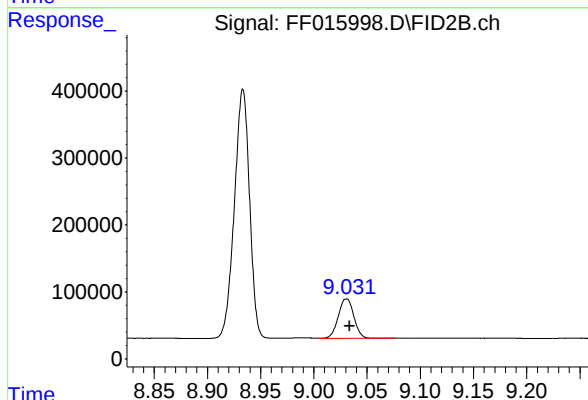
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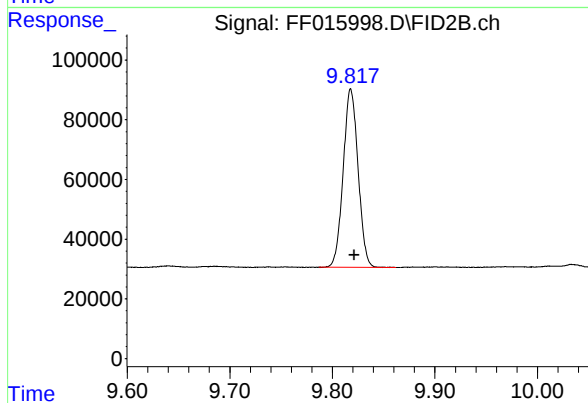
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.933 min
Delta R.T.: 0.000 min
Response: 3693915
Conc: 47.45 ug/ml



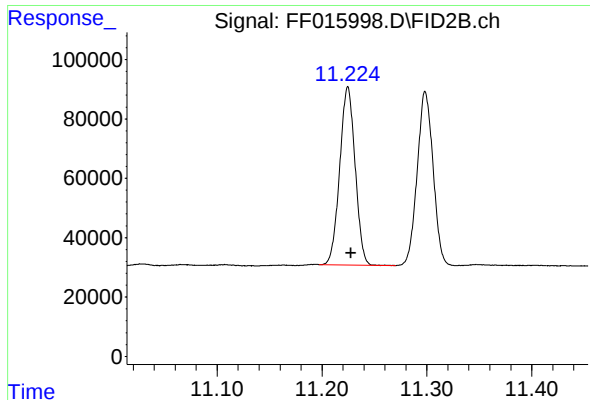
#7 Acenaphthene (C15.5)

R.T.: 9.031 min
Delta R.T.: -0.003 min
Response: 599055
Conc: 4.59 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.818 min
Delta R.T.: -0.003 min
Response: 602200
Conc: 4.63 ug/ml



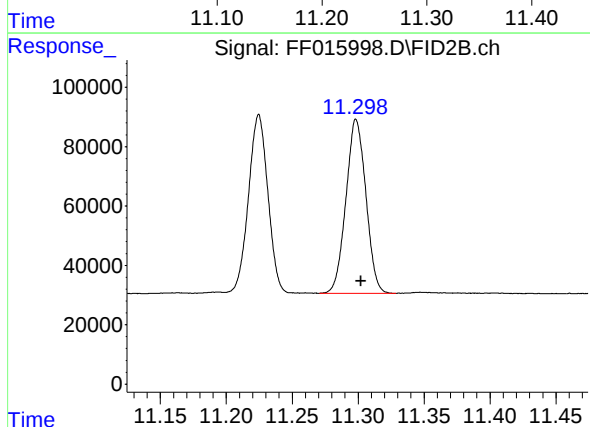
#9 Phenanthrene (C19.36)

R.T.: 11.225 min
Delta R.T.: -0.003 min
Response: 611388
Conc: 4.71 ug/ml

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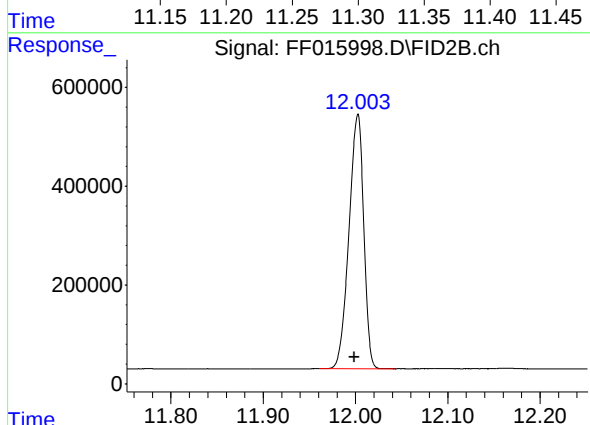
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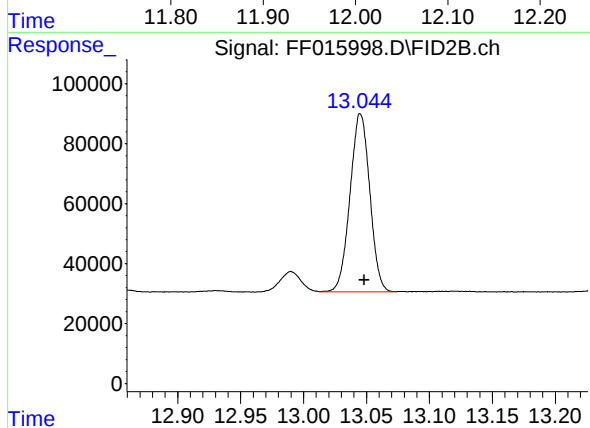
#10 Anthracene (C19.43)

R.T.: 11.299 min
Delta R.T.: -0.003 min
Response: 616678
Conc: 4.78 ug/ml



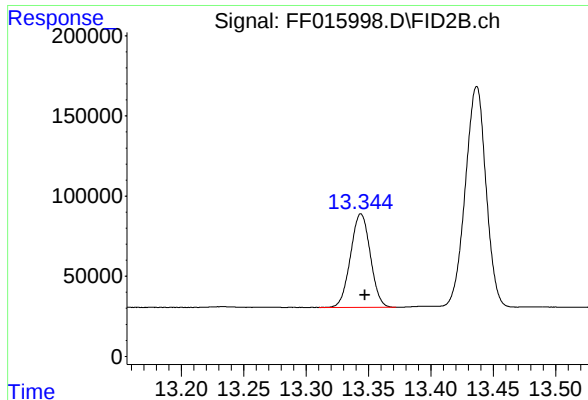
#11 ortho-Terphenyl (SURRE)

R.T.: 12.002 min
Delta R.T.: 0.003 min
Response: 5718864
Conc: 43.23 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.044 min
Delta R.T.: -0.004 min
Response: 649724
Conc: 4.97 ug/ml m



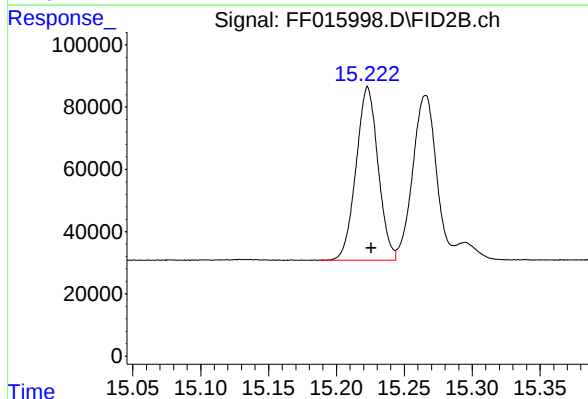
#13 Pyrene (C20.8)

R.T.: 13.344 min
Delta R.T.: -0.003 min
Response: 644371
Conc: 4.97 ug/ml

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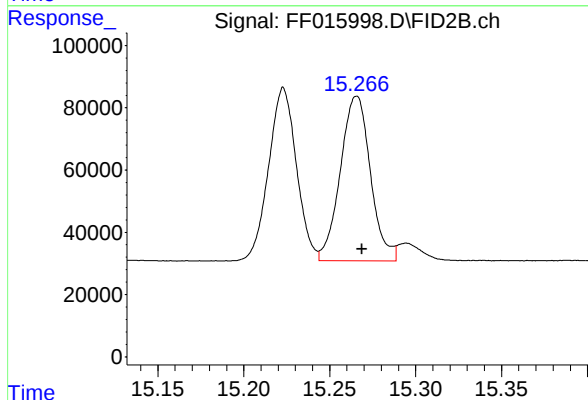
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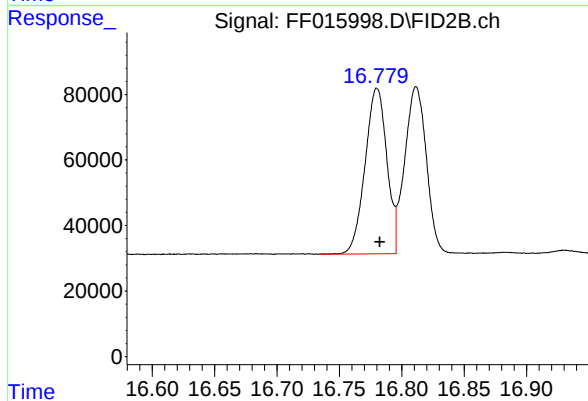
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.223 min
Delta R.T.: -0.003 min
Response: 627321
Conc: 4.98 ug/ml



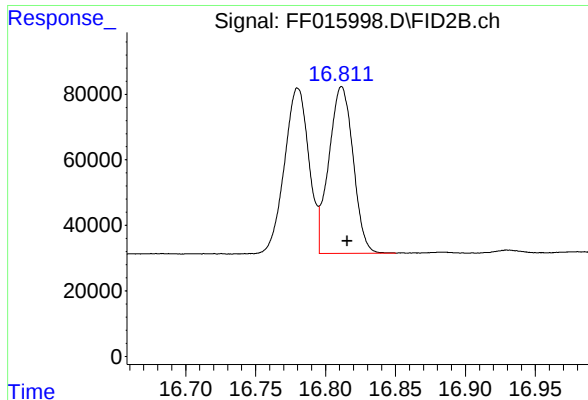
#15 Chrysene (C27.41)

R.T.: 15.266 min
Delta R.T.: -0.003 min
Response: 645759
Conc: 5.06 ug/ml m



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

R.T.: 16.780 min
Delta R.T.: -0.002 min
Response: 613918
Conc: 4.90 ug/ml



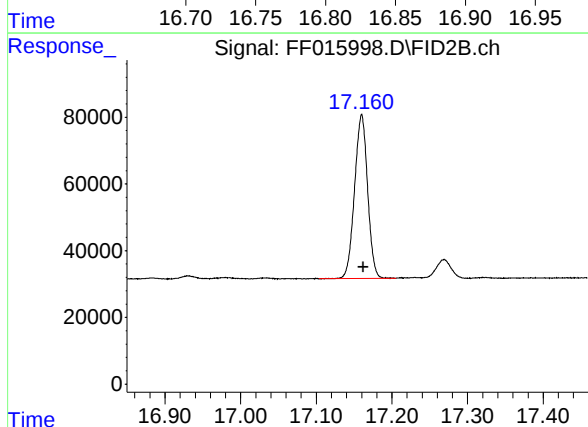
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.812 min
Delta R.T.: -0.004 min
Response: 615361
Conc: 5.19 ug/ml

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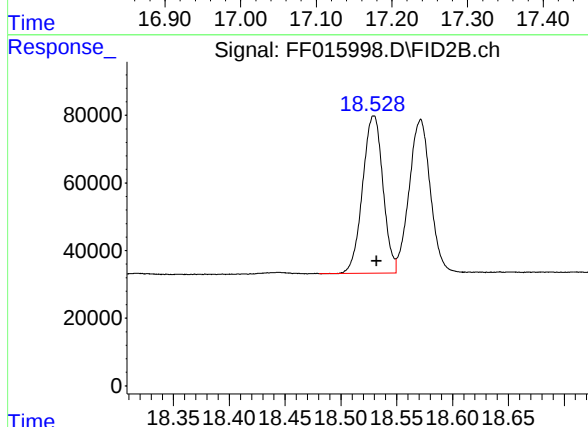
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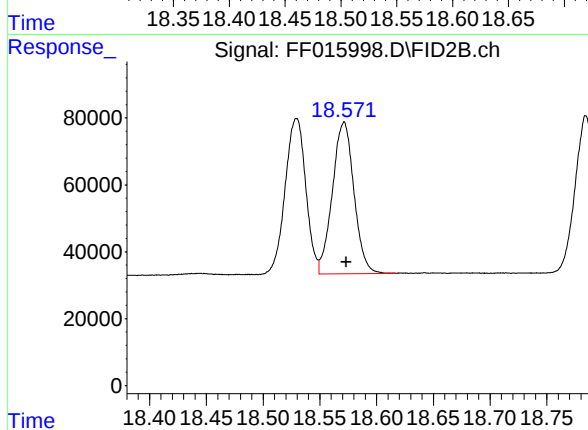
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.160 min
Delta R.T.: -0.002 min
Response: 587215
Conc: 4.81 ug/ml



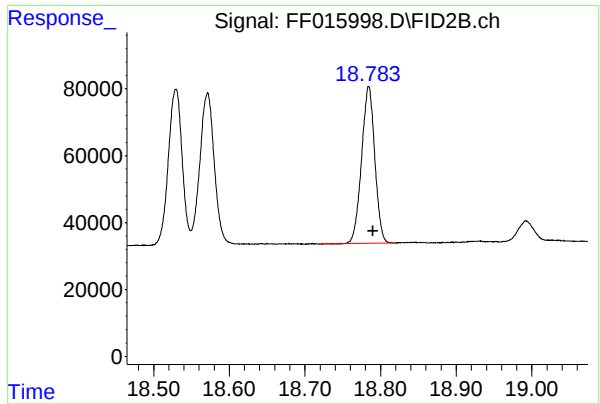
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.529 min
Delta R.T.: -0.003 min
Response: 588428
Conc: 5.27 ug/ml



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

R.T.: 18.571 min
Delta R.T.: -0.002 min
Response: 598245
Conc: 5.14 ug/ml



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

R.T.: 18.784 min
Delta R.T.: -0.006 min
Response: 569434
Conc: 4.89 ug/ml

Instrument :

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