

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
 Data File : FF015329.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jan 2025 17:17
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-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 00:47:48 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	7143629	54.118 ug/ml
Spiked Amount 50.000		Recovery =	108.24%
6) S 2-Fluorobiphenyl (SURR)	8.865	4780333	56.633 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	113.27%
11) S ortho-Terphenyl (SURR)	11.929	6740781	39.158 ug/ml
Spiked Amount 50.000		Recovery =	78.32%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	305043	1.902 ug/ml
2) T Naphthalene (C11.7)	6.269	338818	2.113 ug/mlm
3) T 2-Methylnaphthalene (...)	7.364	342414	2.153 ug/mlm
5) T Acenaphthylene (C15.06)	8.663	337907	2.127 ug/ml
7) T Acenaphthene (C15.5)	8.961	369454	2.266 ug/ml
8) T Fluorene (C16.55)	9.751	324269	2.059 ug/mlm
9) T Phenanthrene (C19.36)	11.157	301214	1.887 ug/ml
10) T Anthracene (C19.43)	11.232	295959	2.005 ug/ml
12) T Fluoranthene (C21.85)	12.976	313268	1.894 ug/mlm
13) T Pyrene (C20.8)	13.275	315794	1.950 ug/ml
14) T Benzo[a]anthracene (C...	15.159	242060	1.623 ug/ml
15) T Chrysene (C27.41)	15.200	377594	2.431 ug/mlm
16) T benzo[b]fluoranthene ...	16.715	239381	1.618 ug/ml
17) T Bnezo[k]fluoranthene ...	16.746	321537	2.274 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.099	281306	1.980 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.474	228625	1.814 ug/mlm
20) T Dibenz[a,h]anthracene...	18.518	427655	2.891 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.721	275324	2.040 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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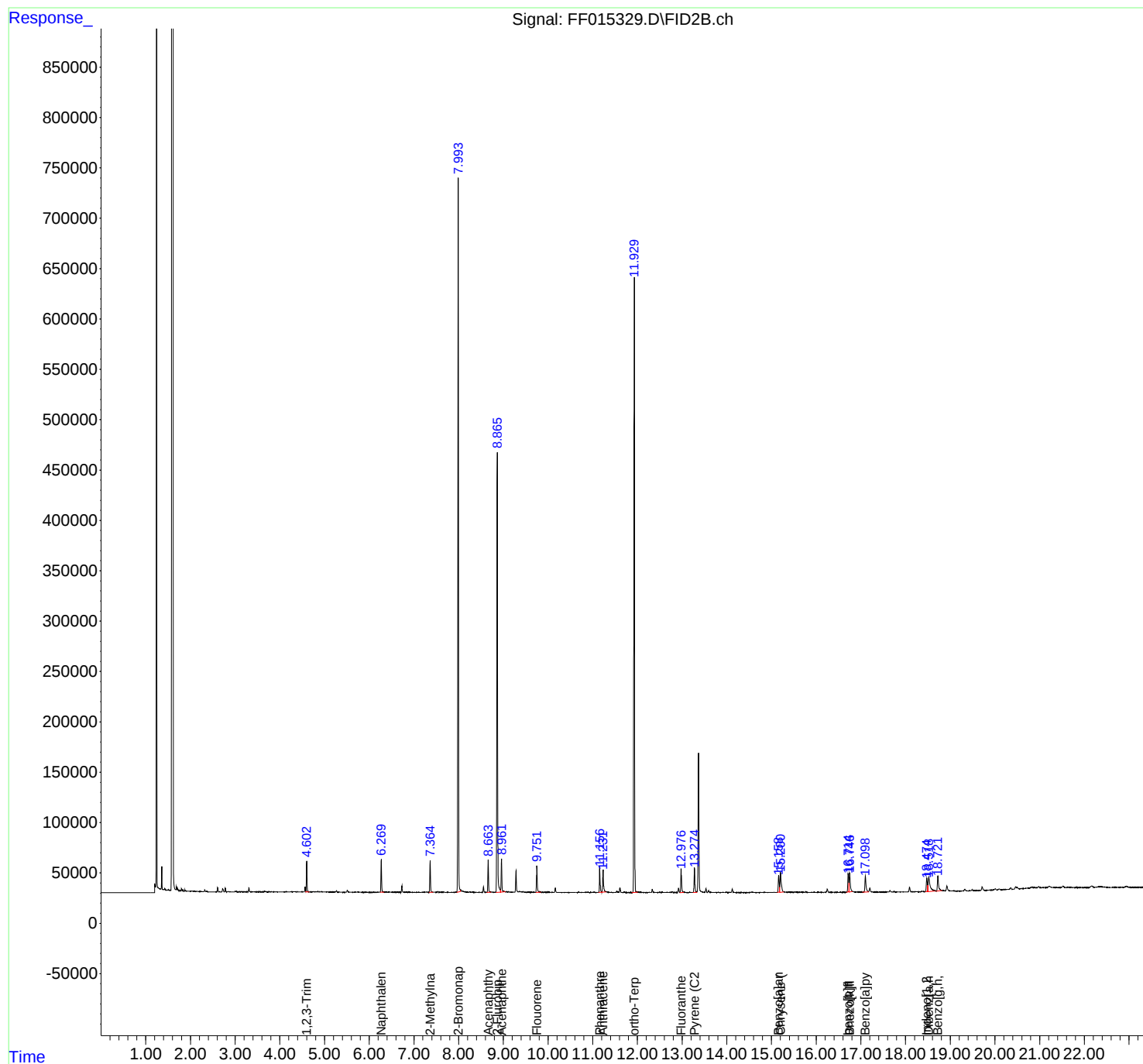
Instrument :
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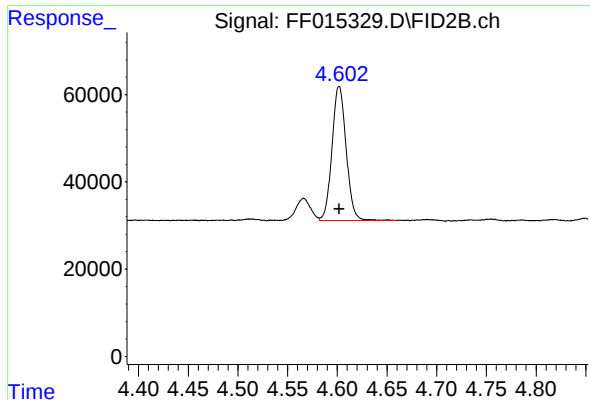
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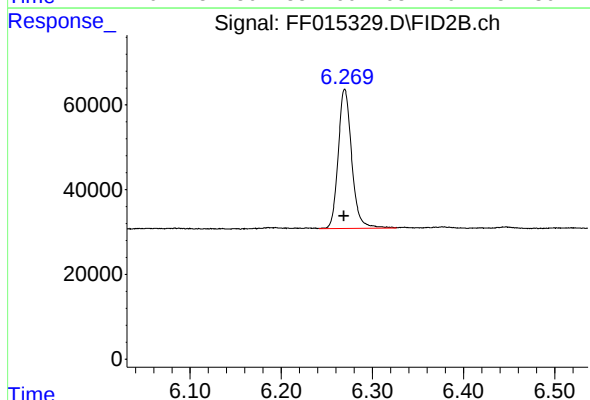
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.602 min
Delta R.T.: 0.000 min
Response: 305043
Conc: 1.90 ug/ml

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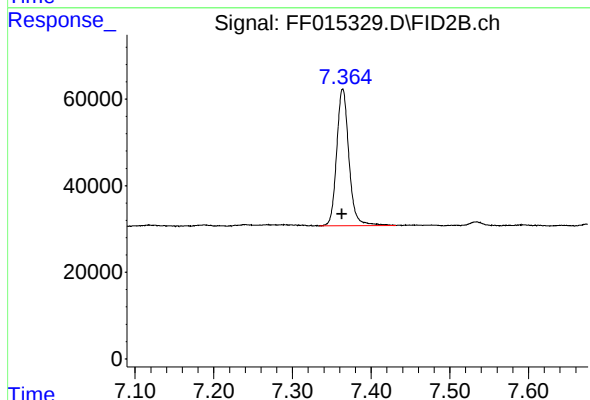
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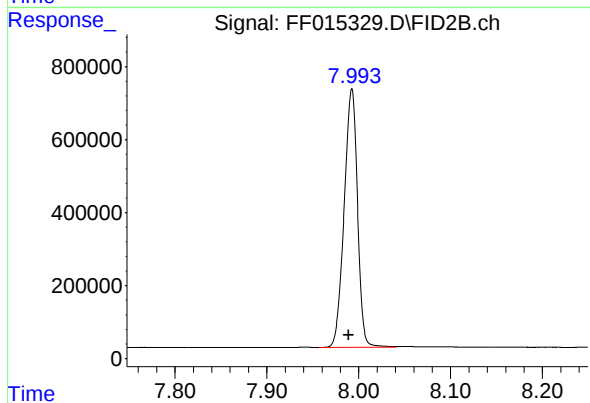
#2 Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 338818
Conc: 2.11 ug/ml m



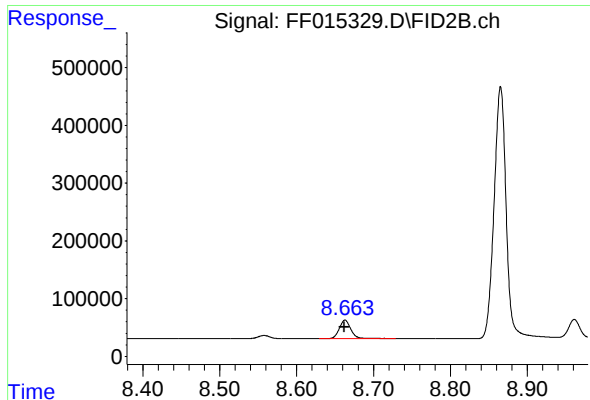
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: 0.000 min
Response: 342414
Conc: 2.15 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.992 min
Delta R.T.: 0.003 min
Response: 7143629
Conc: 54.12 ug/ml



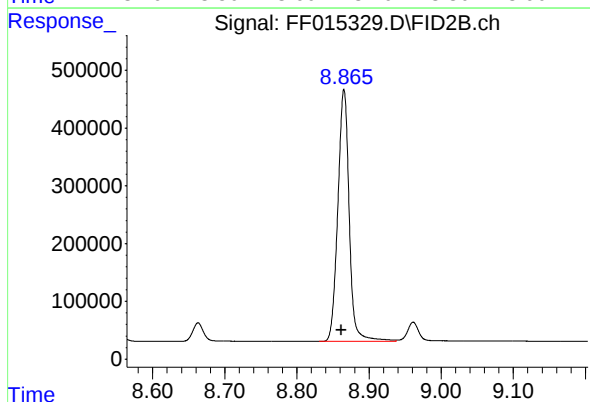
#5 Acenaphthylene (C15.06)

R.T.: 8.663 min
Delta R.T.: 0.000 min
Response: 337907
Conc: 2.13 ug/ml

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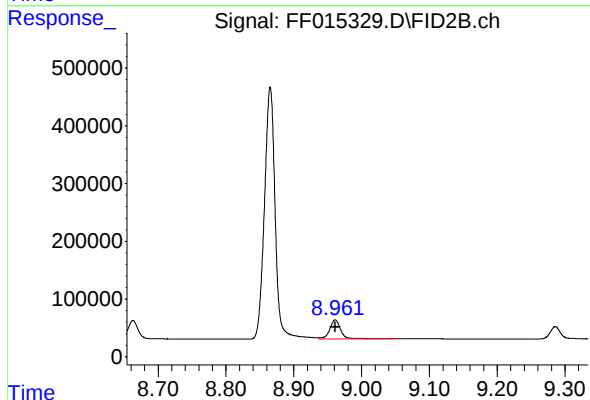
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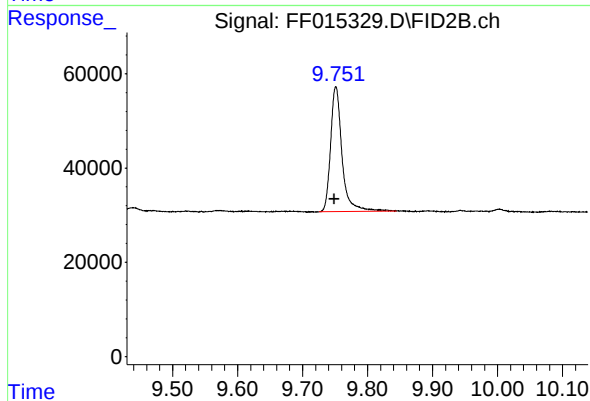
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.865 min
Delta R.T.: 0.004 min
Response: 4780333
Conc: 56.63 ug/ml



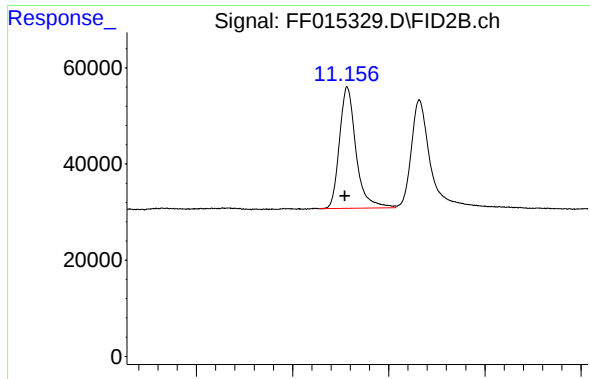
#7 Acenaphthene (C15.5)

R.T.: 8.961 min
Delta R.T.: 0.000 min
Response: 369454
Conc: 2.27 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.751 min
Delta R.T.: 0.002 min
Response: 324269
Conc: 2.06 ug/ml m



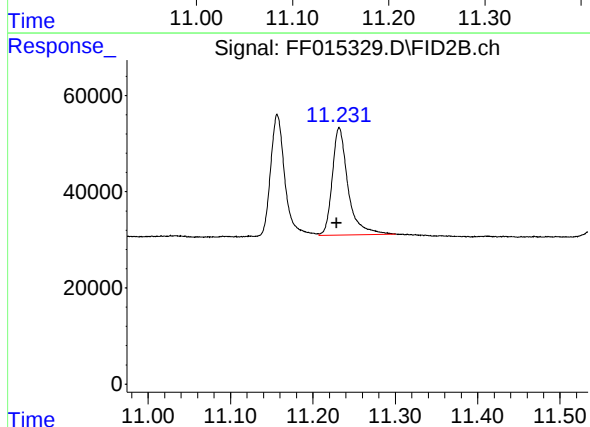
#9 Phenanthrene (C19.36)

R.T.: 11.157 min
Delta R.T.: 0.003 min
Response: 301214
Conc: 1.89 ug/ml

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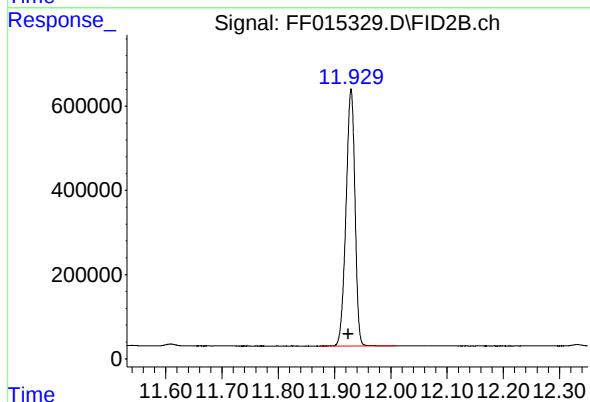
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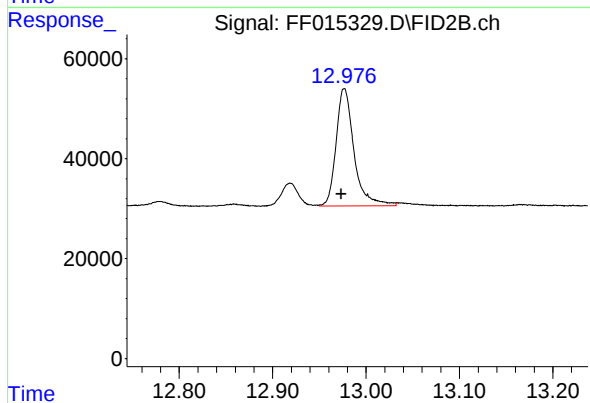
#10 Anthracene (C19.43)

R.T.: 11.232 min
Delta R.T.: 0.003 min
Response: 295959
Conc: 2.00 ug/ml



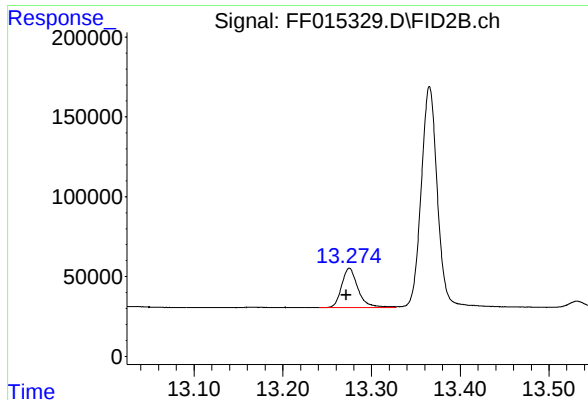
#11 ortho-Terphenyl (SURRE)

R.T.: 11.929 min
Delta R.T.: 0.005 min
Response: 6740781
Conc: 39.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.976 min
Delta R.T.: 0.003 min
Response: 313268
Conc: 1.89 ug/ml m



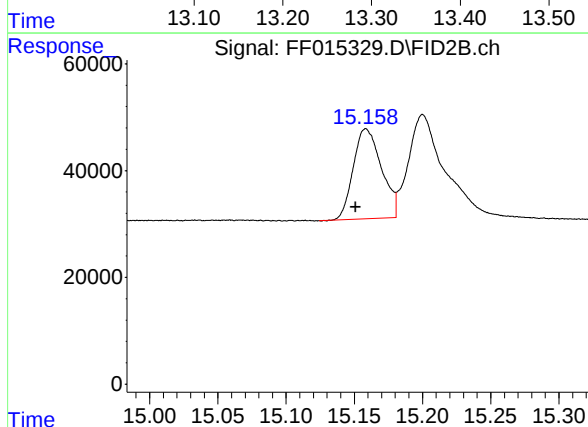
#13 Pyrene (C20.8)

R.T.: 13.275 min
Delta R.T.: 0.003 min
Response: 315794
Conc: 1.95 ug/ml

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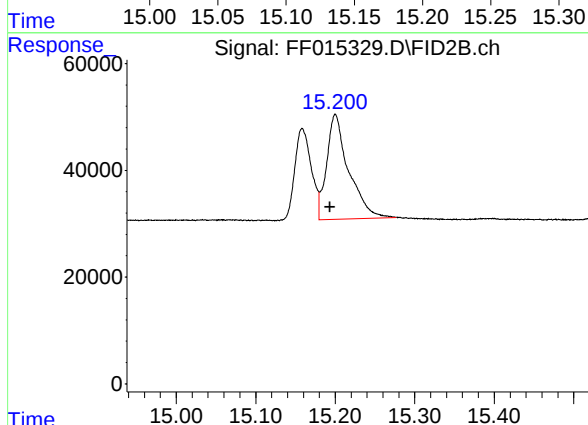
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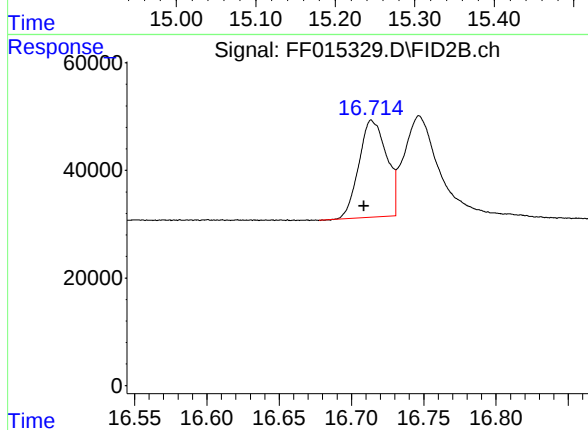
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.008 min
Response: 242060
Conc: 1.62 ug/ml



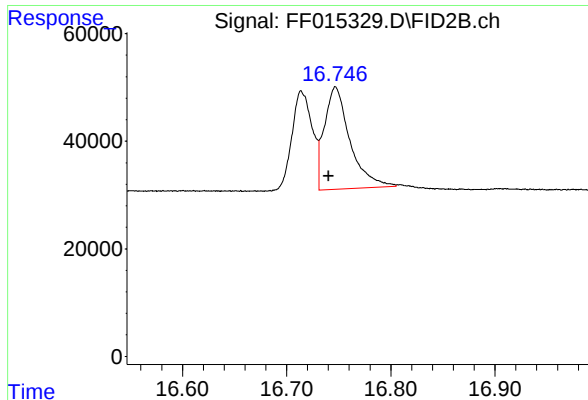
#15 Chrysene (C27.41)

R.T.: 15.200 min
Delta R.T.: 0.006 min
Response: 377594
Conc: 2.43 ug/ml m



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

R.T.: 16.715 min
Delta R.T.: 0.006 min
Response: 239381
Conc: 1.62 ug/ml



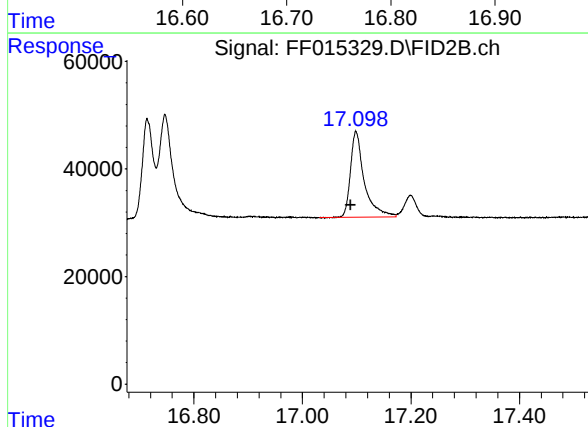
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.746 min
Delta R.T.: 0.006 min
Response: 321537
Conc: 2.27 ug/ml

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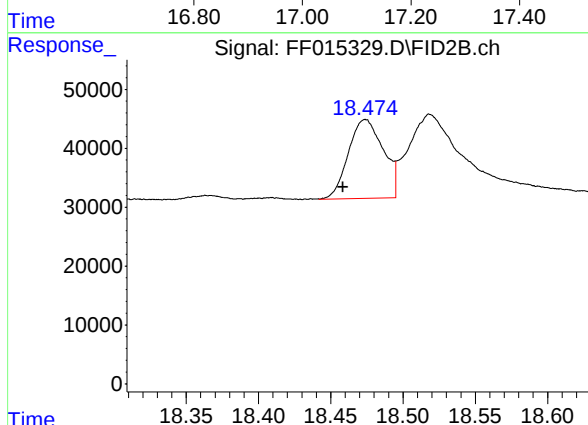
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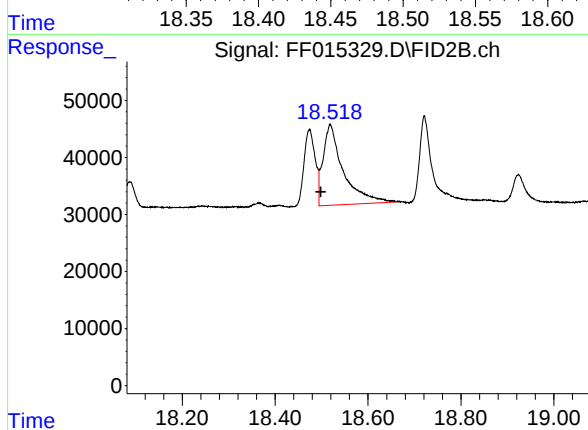
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.099 min
Delta R.T.: 0.010 min
Response: 281306
Conc: 1.98 ug/ml



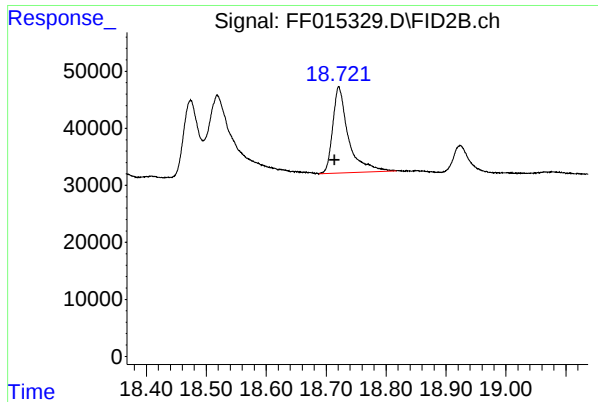
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min
Delta R.T.: 0.015 min
Response: 228625
Conc: 1.81 ug/ml m



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

R.T.: 18.518 min
Delta R.T.: 0.019 min
Response: 427655
Conc: 2.89 ug/ml m



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

R.T.: 18.721 min
Delta R.T.: 0.006 min
Response: 275324
Conc: 2.04 ug/ml

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