

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110416\  
 Data File : BF091017.D  
 Acq On : 4 Nov 2016 10:46  
 Operator : UM/SJ  
 Sample : H5509-26  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-96-7.5-18.0

Quant Time: Nov 04 11:55:59 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 04 11:03:12 2016  
 Response via : Initial Calibration

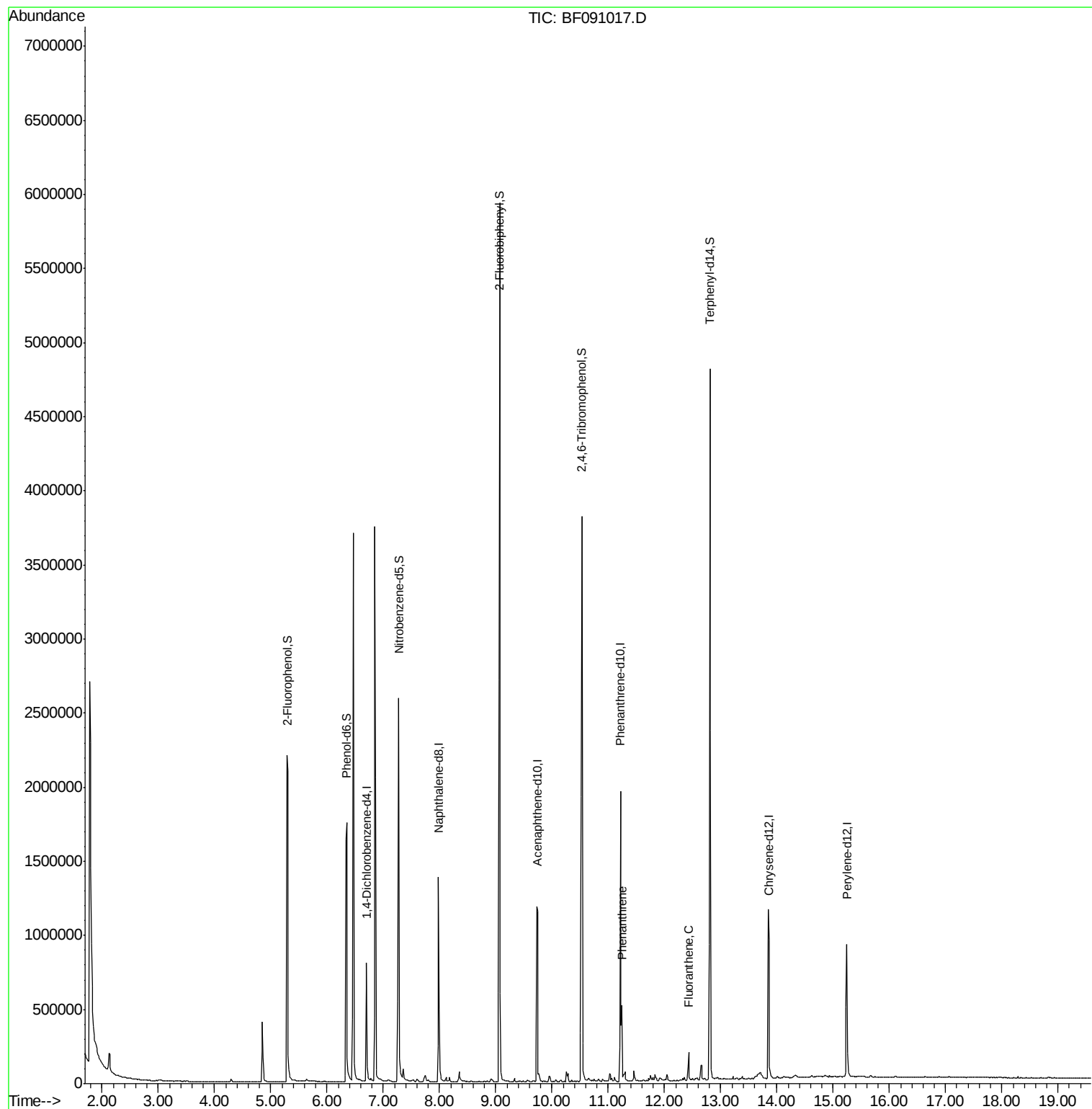
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 176029   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 734105   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 392338   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 651286   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.86 | 240  | 525950   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 378377   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 999259   | 93.75  | ng    | 0.01     |
| 7) Phenol-d6                | 6.35  | 99   | 976993   | 67.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 1491982  | 110.87 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 554220   | 156.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 2229751  | 97.84  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.81 | 244  | 1888795  | 89.62  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 70) Phenanthrene            | 11.24 | 178  | 177926   | 5.14   | ng    | 98       |
| 74) Fluoranthene            | 12.43 | 202  | 84568    | 2.36   | ng    | 91       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



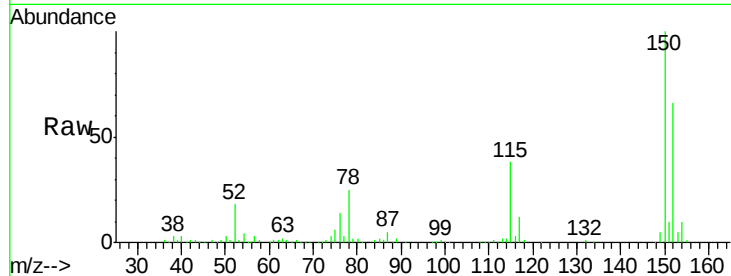


#1

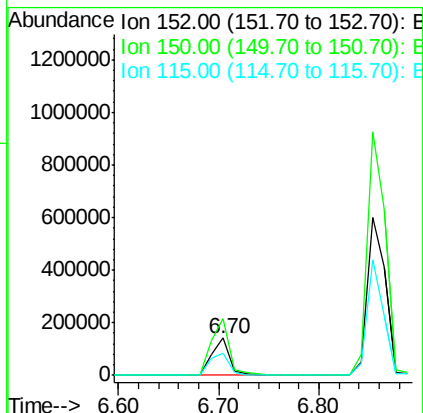
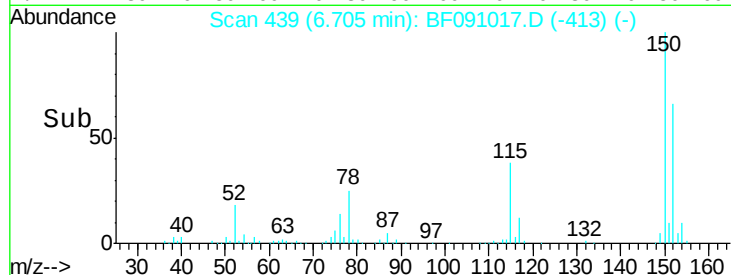
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.70 min Scan# 439  
Delta R.T. 0.00 min  
Lab File: BF091017.D  
Acq: 4 Nov 2016 10:46

Instrument :  
BNA\_F  
ClientSampleId :  
GW-96-7.5-18.0

Tgt Ion:152 Resp: 176029  
Ion Ratio Lower Upper  
152 100  
150 152.3 126.8 190.2  
115 58.5 53.3 79.9



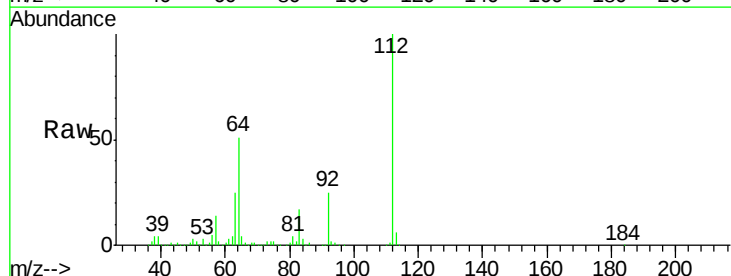
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



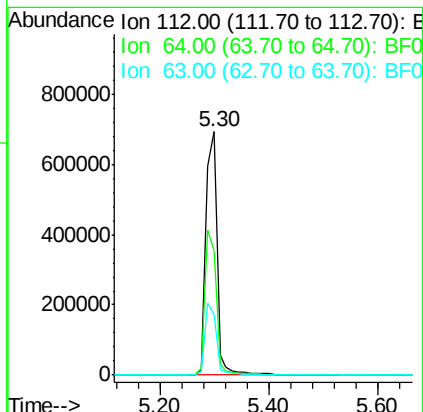
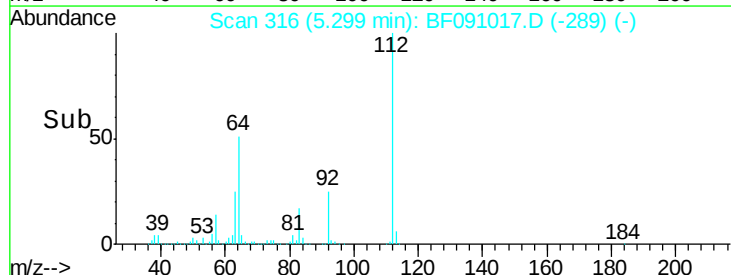
#5

2-Fluorophenol  
Concen: 93.75 ng  
RT: 5.30 min Scan# 316  
Delta R.T. 0.01 min  
Lab File: BF091017.D  
Acq: 4 Nov 2016 10:46

Tgt Ion:112 Resp: 999259  
Ion Ratio Lower Upper  
112 100  
64 50.9 55.8 83.6#  
63 24.9 28.0 42.0#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.53 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Instrument :

BNA\_F

ClientSampleId :

GW-96-7.5-18.0

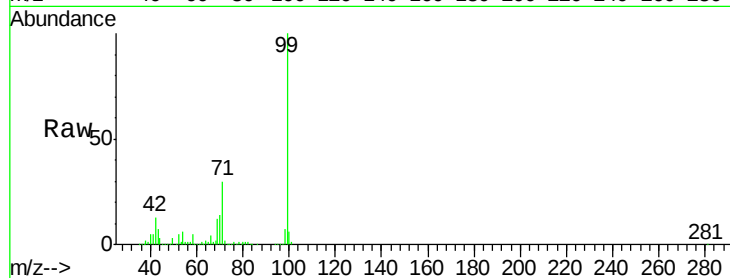
Tgt Ion: 99 Resp: 976993

Ion Ratio Lower Upper

99 100

42 12.8 13.9 20.9#

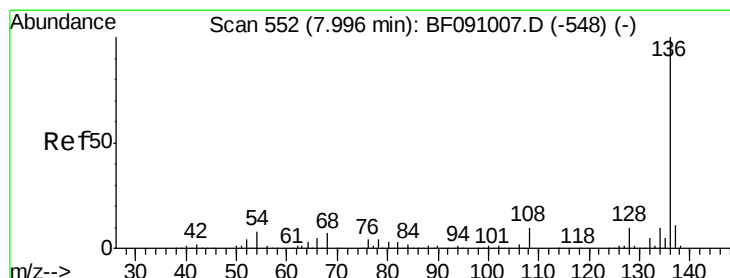
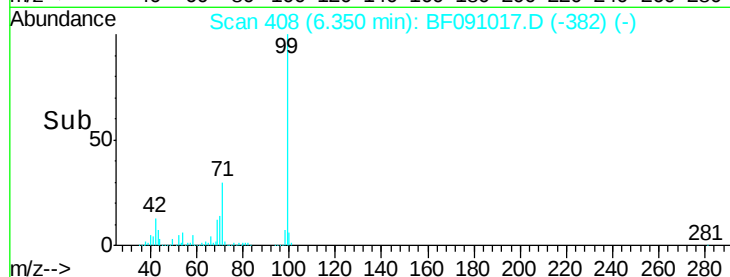
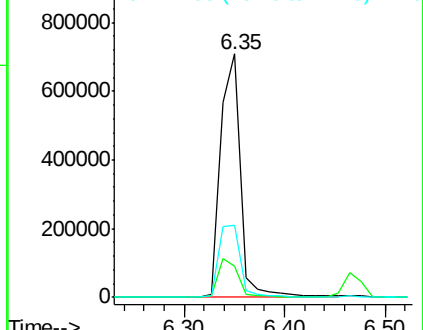
71 29.5 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091017.D

Acq: 4 Nov 2016 10:46

Tgt Ion: 136 Resp: 734105

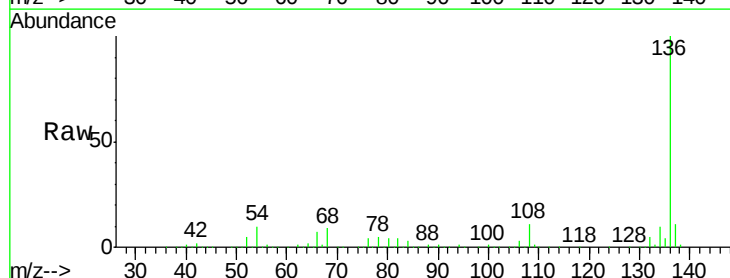
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.2 6.2 9.2#

68 8.6 5.5 8.3#

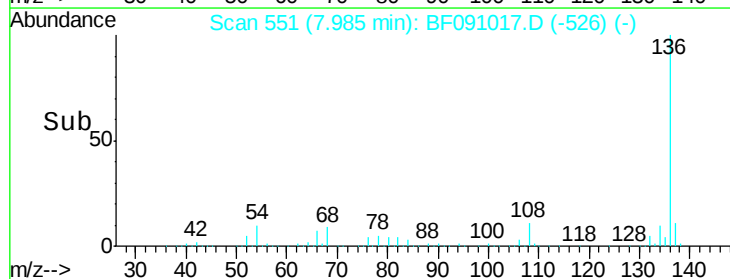
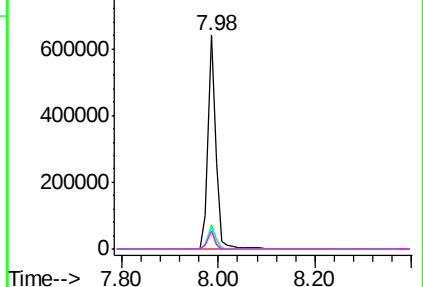


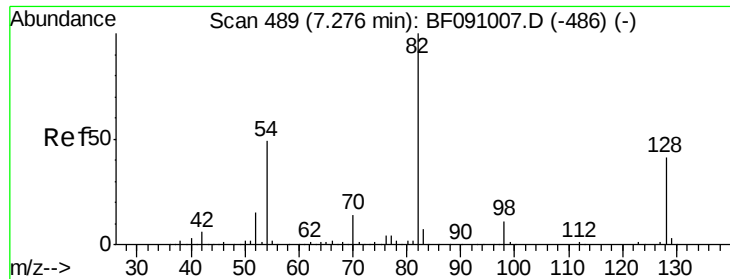
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

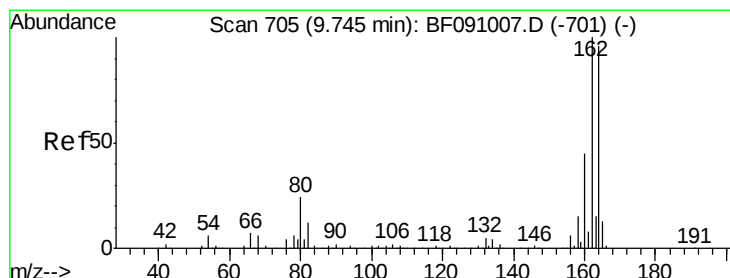
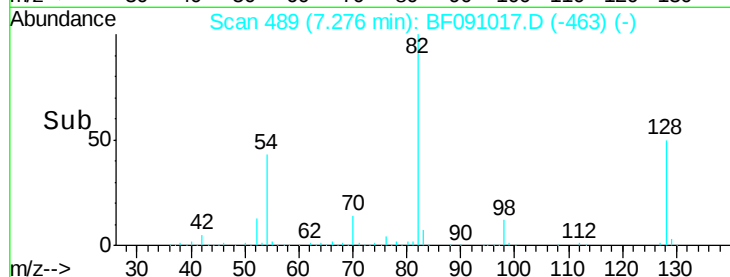
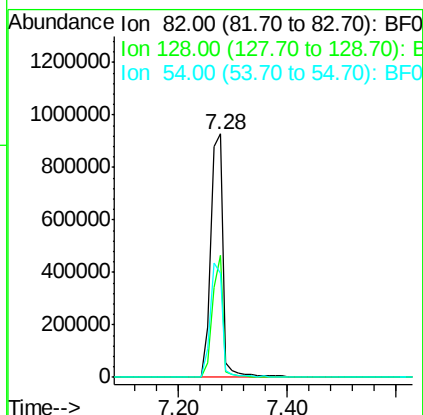
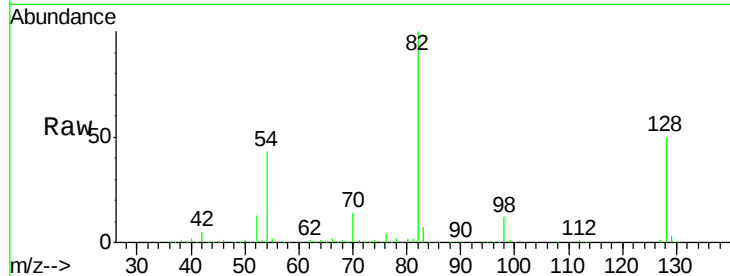




#23  
 Nitrobenzene-d5  
 Concen: 110.87 ng  
 RT: 7.28 min Scan# 489  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

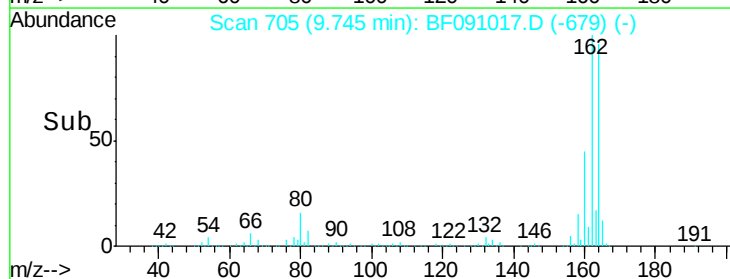
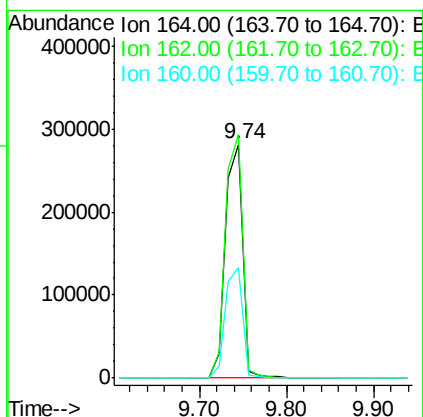
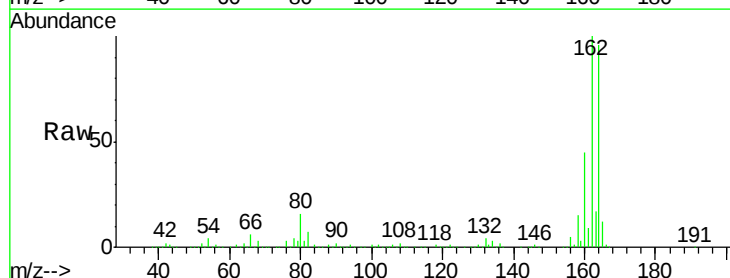
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-96-7.5-18.0

Tgt Ion: 82 Resp: 1491982  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 32.4 48.6#  
 54 42.8 39.2 58.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 705  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Tgt Ion: 164 Resp: 392338  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 83.6 125.4  
 160 47.0 37.9 56.9

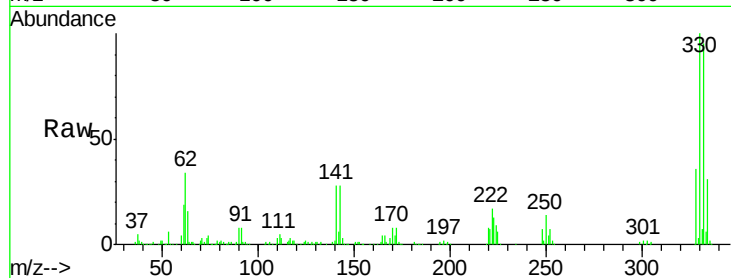




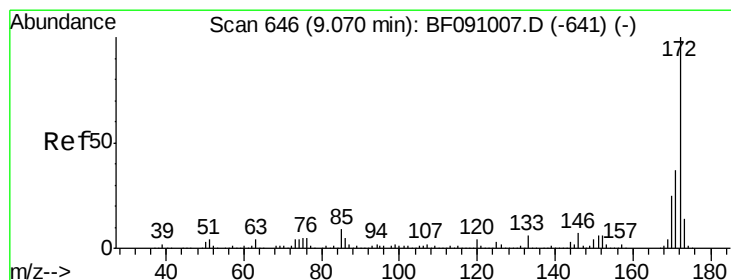
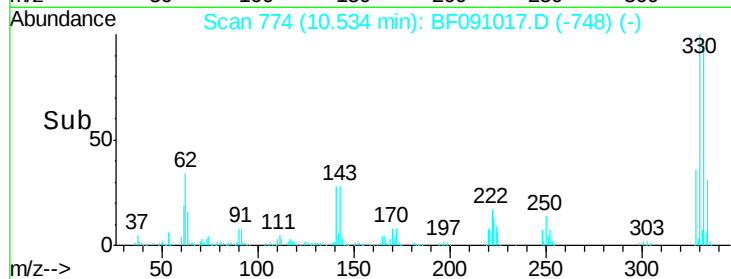
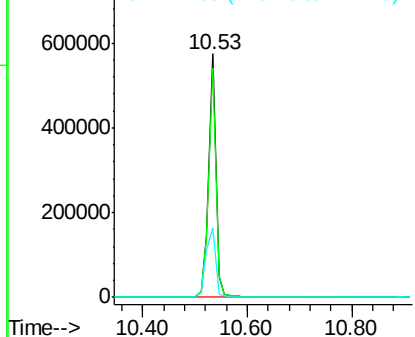
#41  
 2,4,6-Tribromophenol  
 Concen: 156.25 ng  
 RT: 10.53 min Scan# 774  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-96-7.5-18.0

Tgt Ion:330 Resp: 554220  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 75.9 113.9  
 141 38.2 36.1 54.1

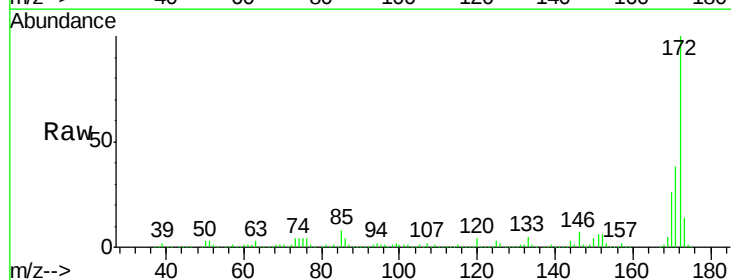


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

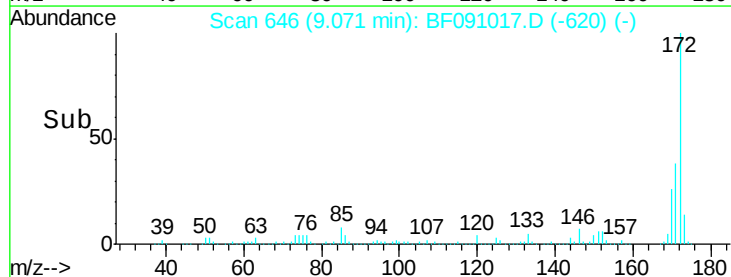
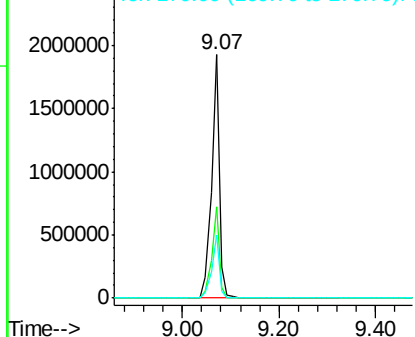


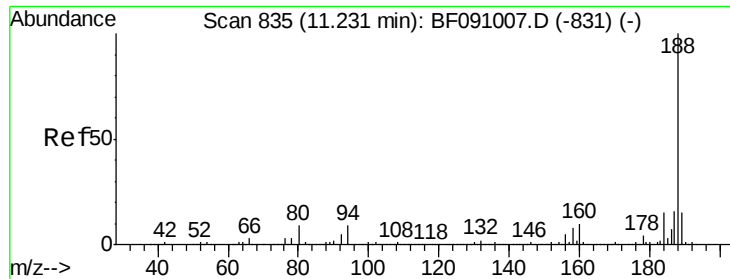
#44  
 2-Fluorobiphenyl  
 Concen: 97.84 ng  
 RT: 9.07 min Scan# 646  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Tgt Ion:172 Resp: 2229751  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.8 44.6  
 170 25.8 20.3 30.5



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

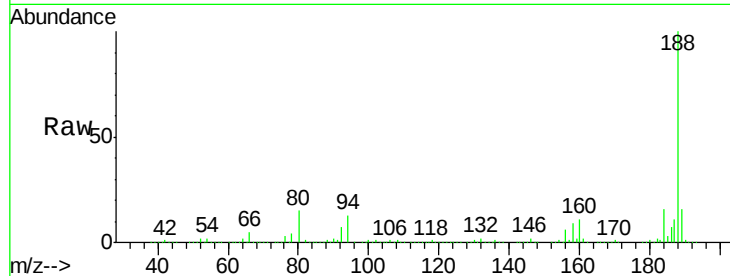




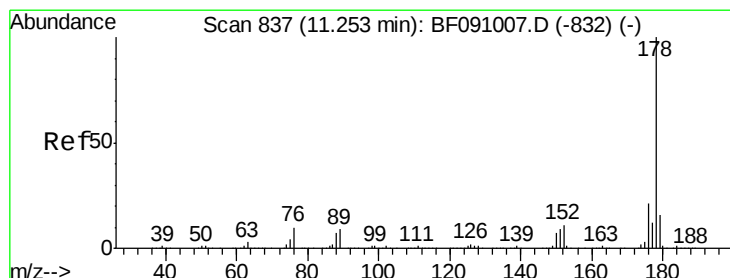
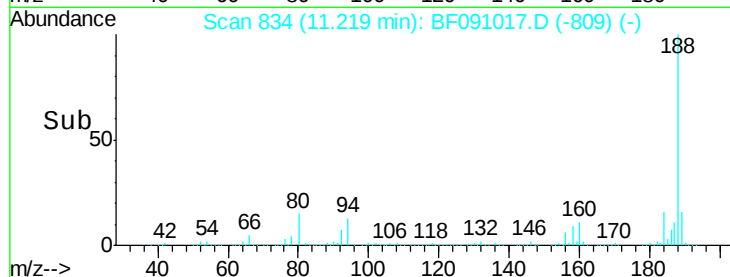
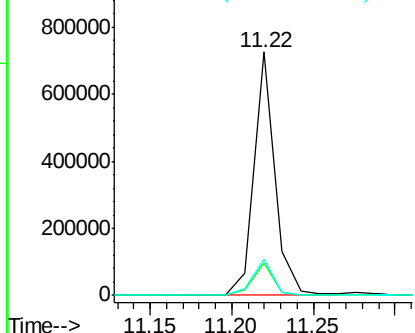
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: BF091017.D  
Acq: 4 Nov 2016 10:46

Instrument :  
BNA\_F  
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Tgt Ion:188 Resp: 651286  
Ion Ratio Lower Upper  
188 100  
94 13.1 7.0 10.4#  
80 14.8 7.5 11.3#

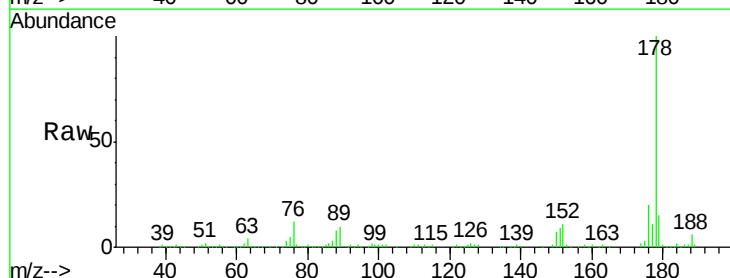


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

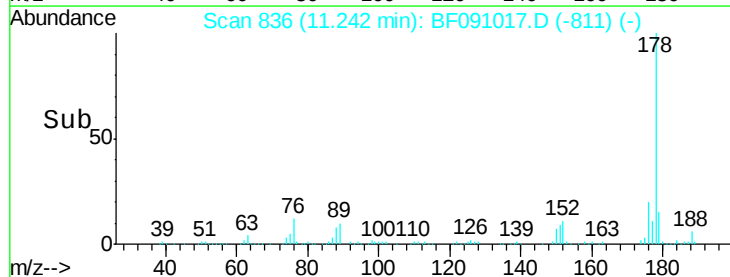
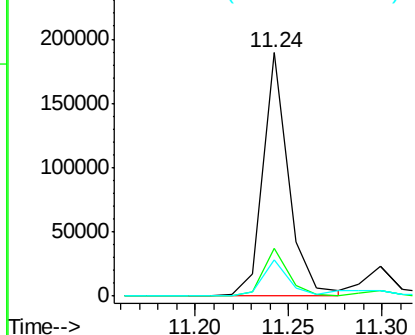


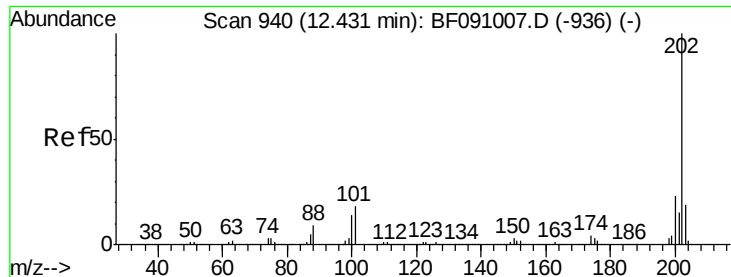
#70  
Phenanthrene  
Concen: 5.14 ng  
RT: 11.24 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BF091017.D  
Acq: 4 Nov 2016 10:46

Tgt Ion:178 Resp: 177926  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.6 25.0  
179 14.9 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

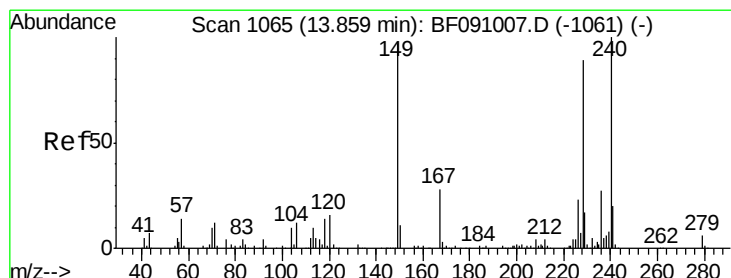
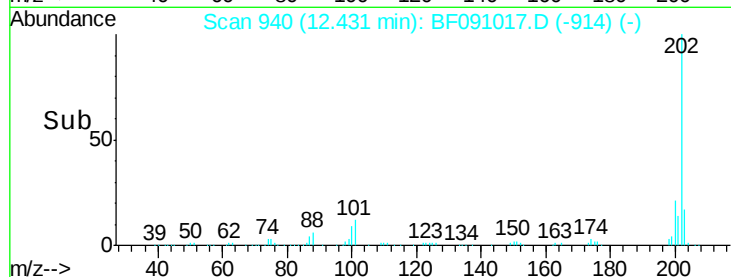
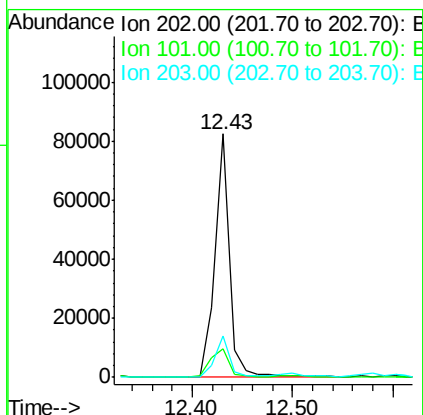
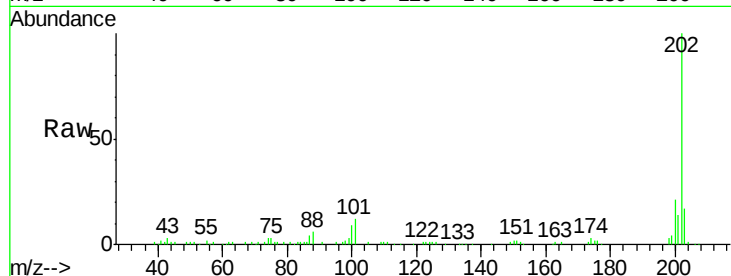




#74  
 Fluoranthene  
 Concen: 2.36 ng  
 RT: 12.43 min Scan# 940  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

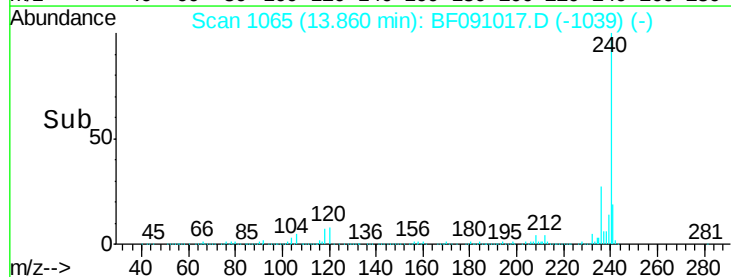
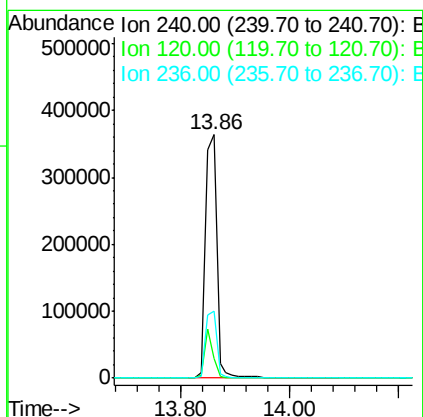
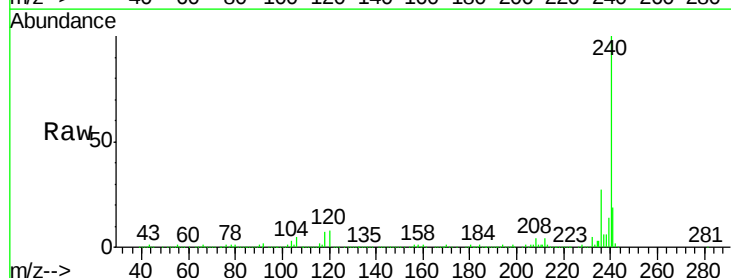
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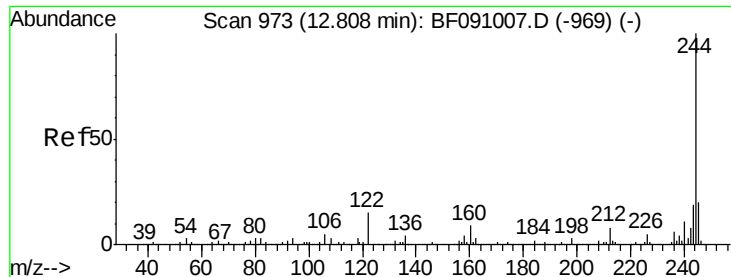
Tgt Ion: 202 Resp: 84568  
 Ion Ratio Lower Upper  
 202 100  
 101 11.5 0.0 37.6  
 203 16.8 0.0 38.6



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.86 min Scan# 1065  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Tgt Ion: 240 Resp: 525950  
 Ion Ratio Lower Upper  
 240 100  
 120 8.0 12.9 19.3#  
 236 27.4 21.9 32.9

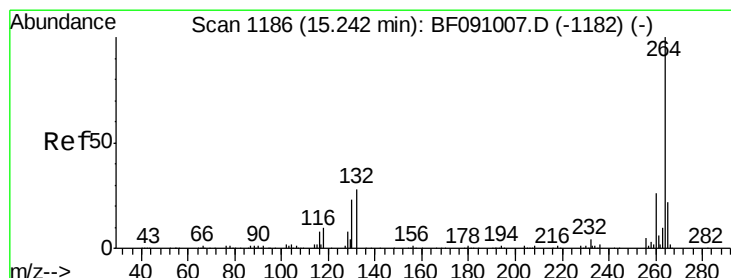
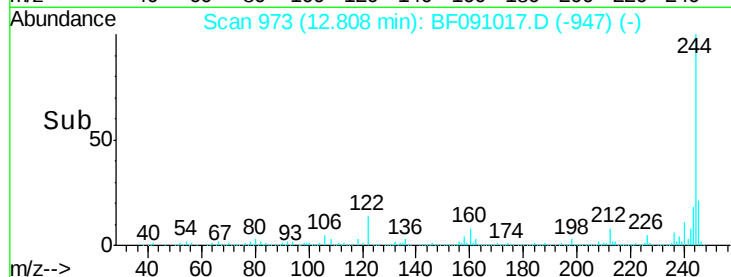
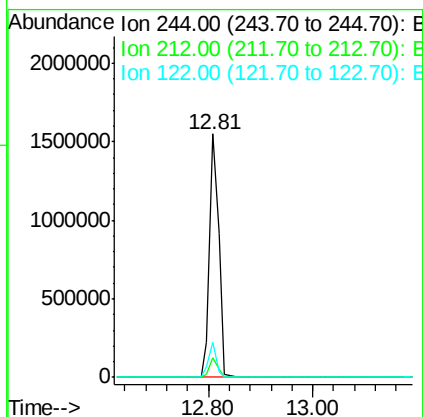
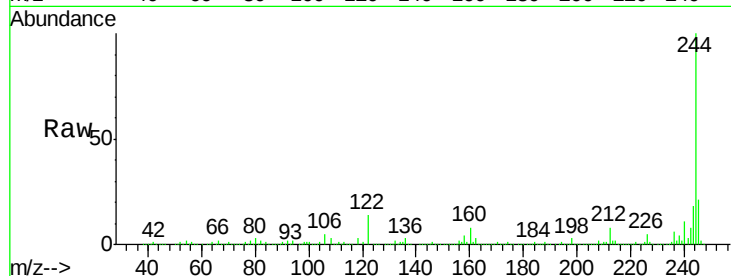




#78  
 Terphenyl-d14  
 Concen: 89.62 ng  
 RT: 12.81 min Scan# 973  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-96-7.5-18.0

Tgt Ion:244 Resp: 1888795  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.4 9.6  
 122 14.3 12.3 18.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.24 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF091017.D  
 Acq: 4 Nov 2016 10:46

Tgt Ion:264 Resp: 378377  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 20.6 30.8  
 265 21.6 17.8 26.8

