

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\  
 Data File : BF101148.D  
 Acq On : 6 Dec 2017 2:53  
 Operator : SJ/JU  
 Sample : I6702-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2-E(0-1)

Quant Time: Dec 06 04:30:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 04 13:07:49 2017  
 Response via : Initial Calibration

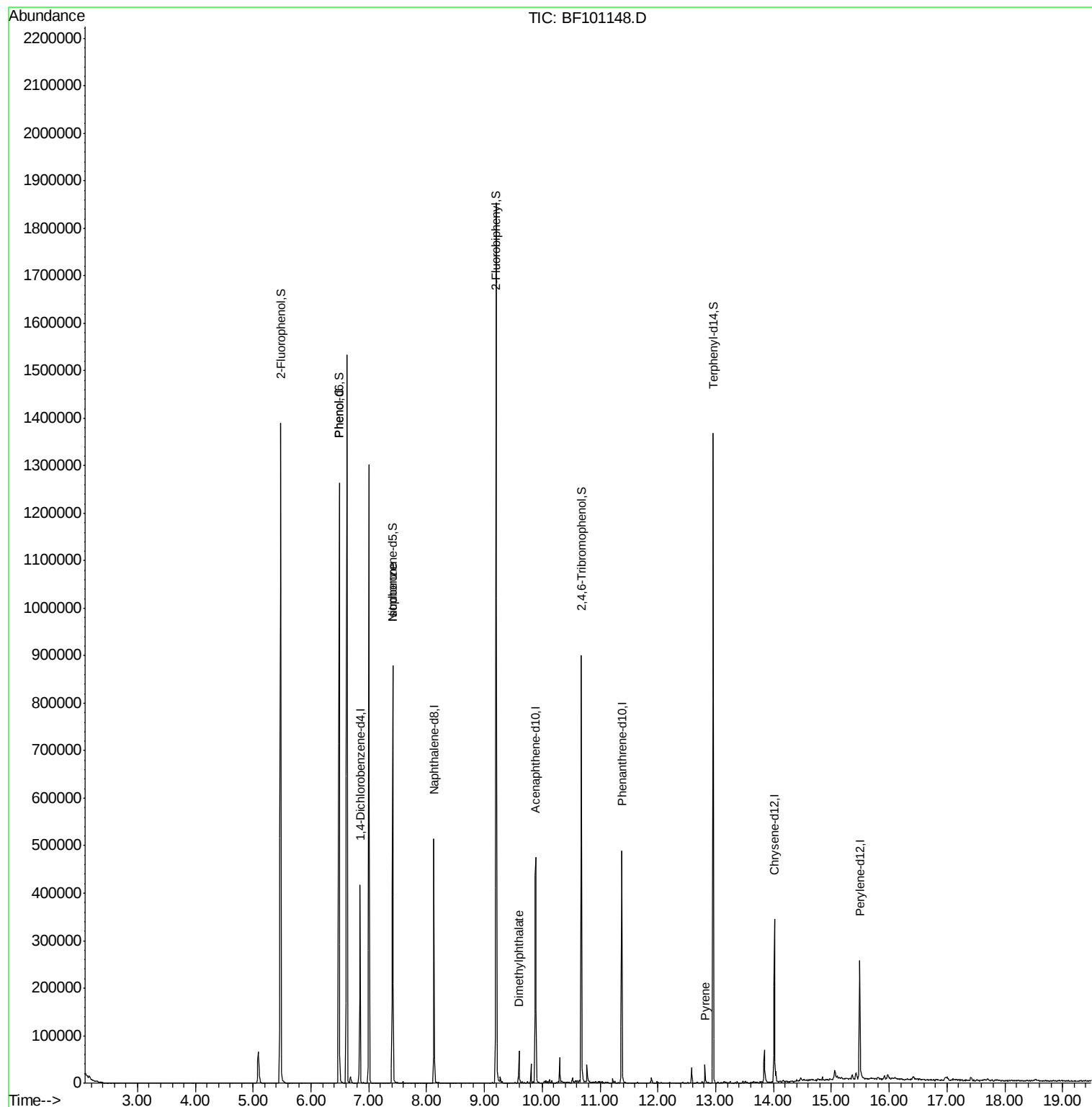
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 58187    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 226747   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 100485   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 180684   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 114245   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 121653   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 392850   | 111.56 | ng    | 0.01     |
| 7) Phenol-d6                | 6.49  | 99   | 467976   | 109.46 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 291027   | 76.56  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 119696   | 99.16  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 600924   | 81.82  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 473300   | 90.62  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.49  | 94   | 16077    | 3.382  | ng    | 73       |
| 25) Isophorone              | 7.42  | 82   | 291023   | 44.823 | ng    | # 64     |
| 49) Dimethylphthalate       | 9.60  | 163  | 31239    | 3.855  | ng    | # 97     |
| 77) Pyrene                  | 12.82 | 202  | 16153    | 2.049  | ng    | 98       |

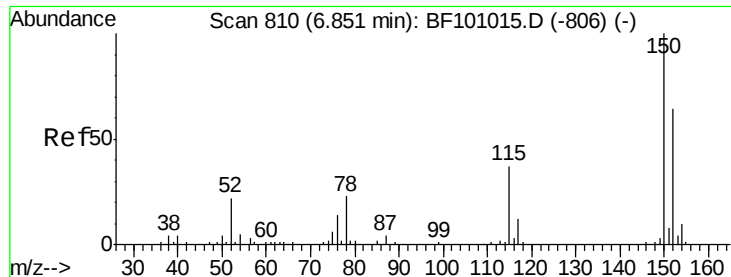
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 35 Sample Multiplier: 1

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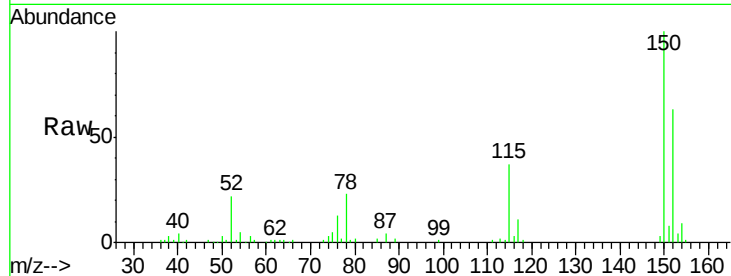




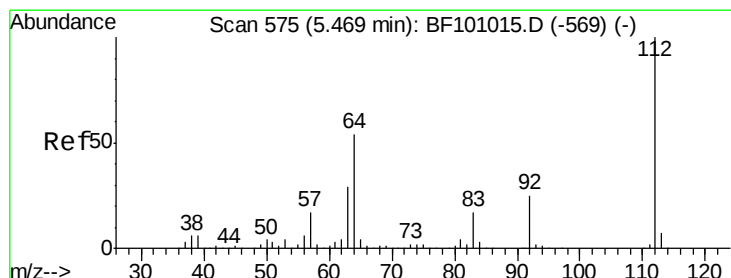
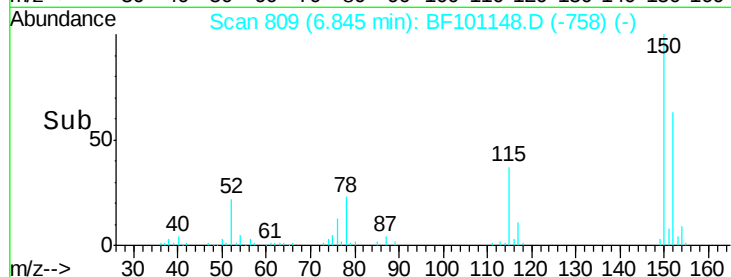
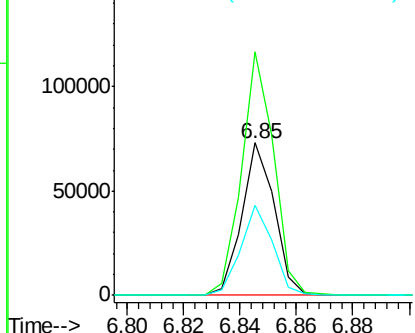
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. 0.00 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2-E(0-1)

Tot Ion:152 Resp: 58187  
 Ion Ratio Lower Upper  
 152 100  
 150 159.8 124.6 186.8  
 115 59.3 50.1 75.1

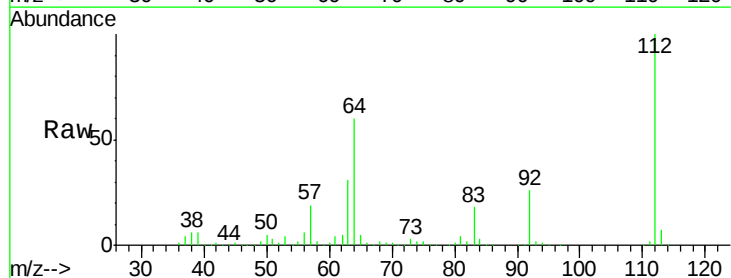


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

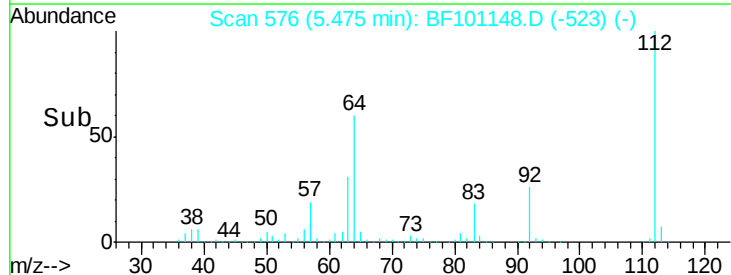
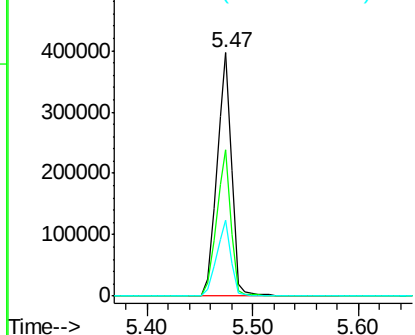


#5  
 2-Fluorophenol  
 Concen: 111.565 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. 0.01 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

Tgt Ion:112 Resp: 392850  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 47.9 71.9  
 63 31.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.464 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA\_F

ClientSampled :

MH-2-E(0-1)

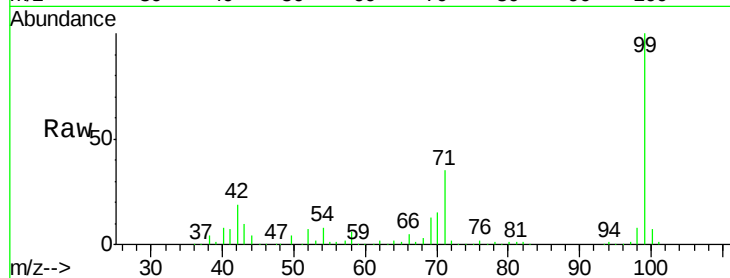
Tot Ion: 99 Resp: 467976

Ion Ratio Lower Upper

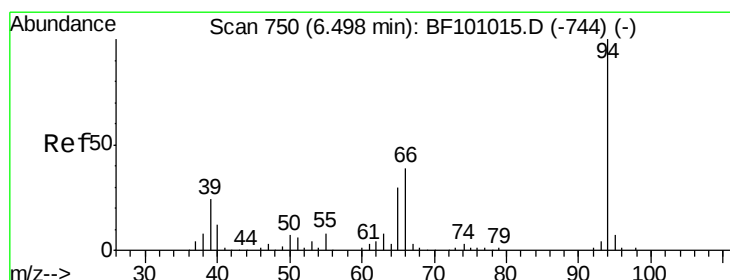
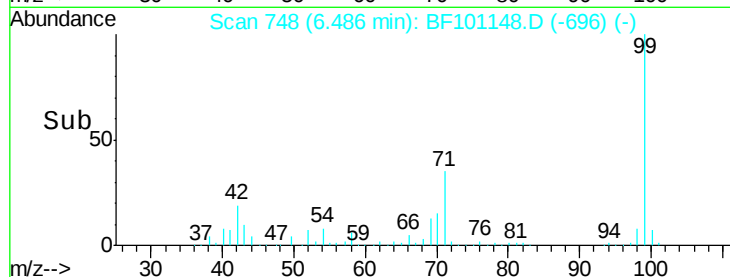
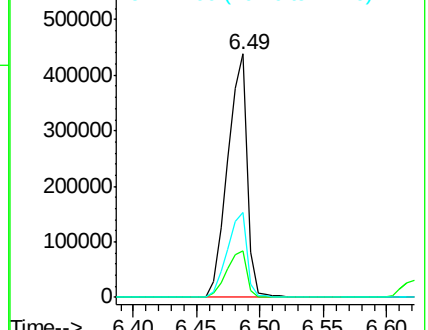
99 100

42 19.1 14.5 21.7

71 35.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.382 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

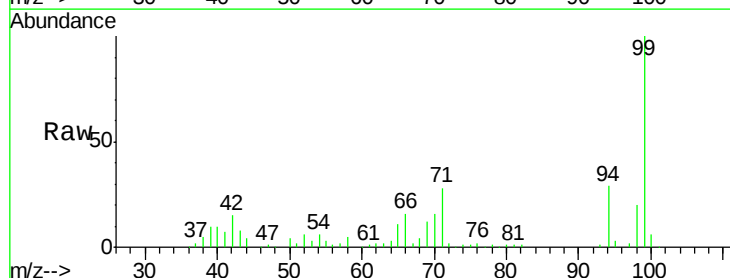
Tgt Ion: 94 Resp: 16077

Ion Ratio Lower Upper

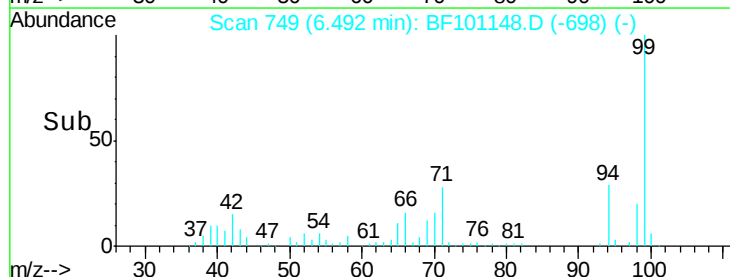
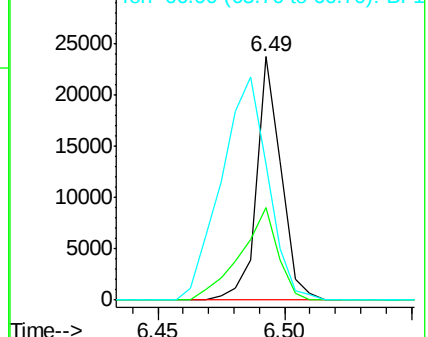
94 100

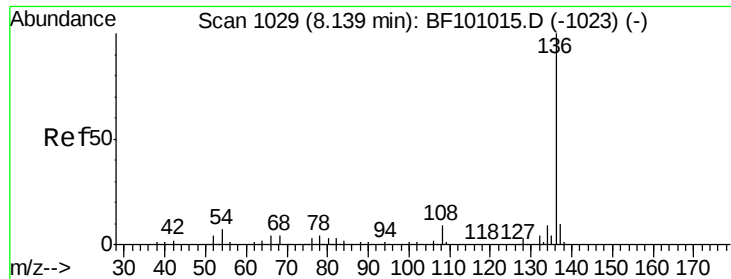
65 38.0 7.9 47.9

66 56.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

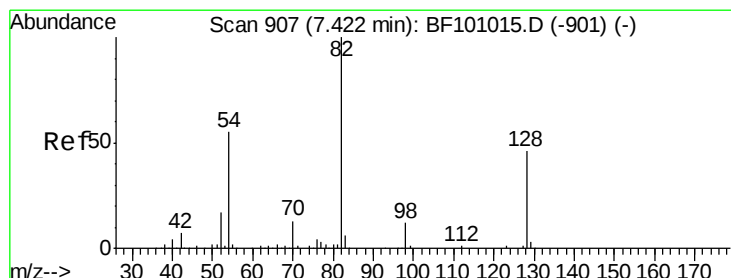
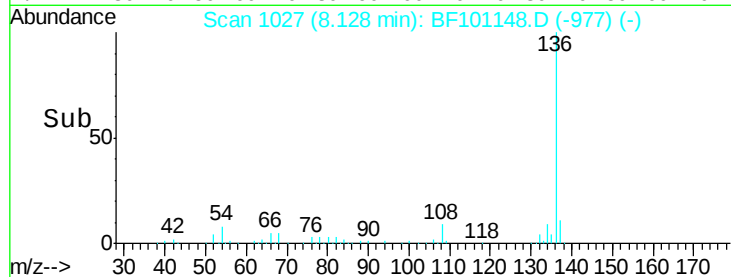
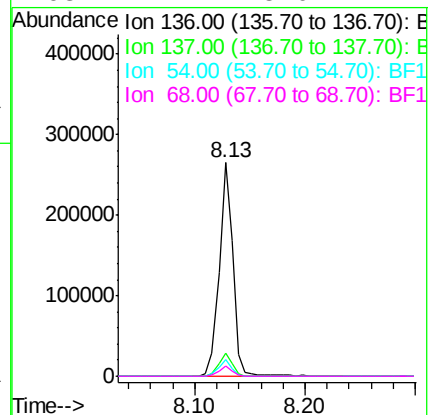
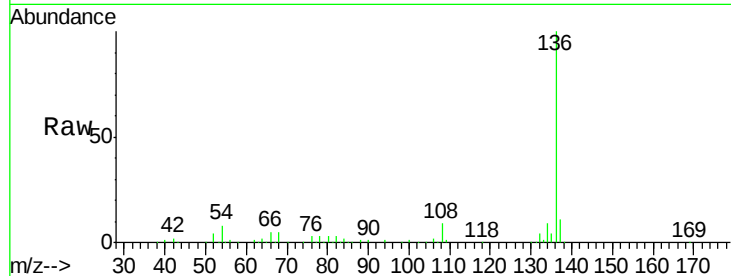




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

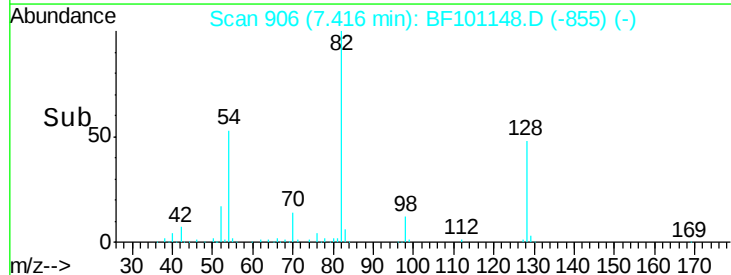
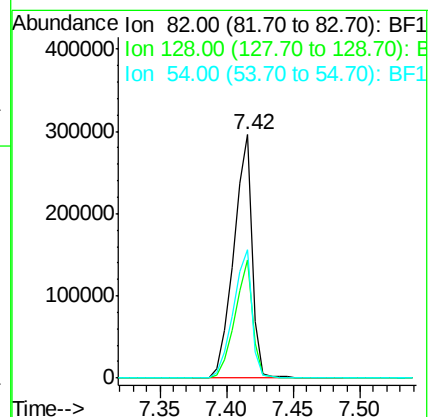
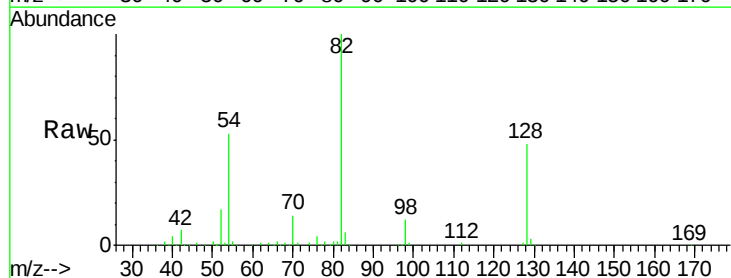
Instrument :  
BNA\_F  
ClientSampleId :  
MH-2-E(0-1)

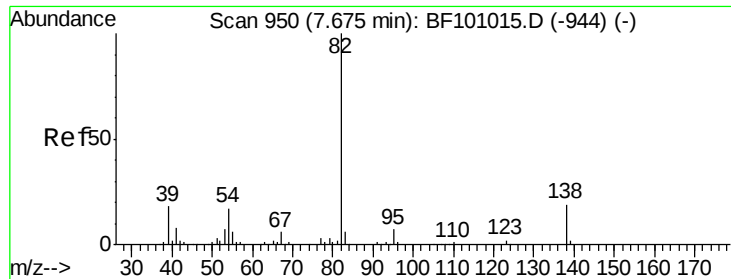
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 226747   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.0  | 8.9 13.3 |
| 54          | 7.7   | 6.6 9.8  |
| 68          | 4.7   | 5.0 7.4# |



#23  
Nitrobenzene-d5  
Concen: 76.564 ng  
RT: 7.42 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 291027    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 48.5  | 36.1 54.1 |
| 54          | 52.5  | 41.4 62.2 |





#25

Isophorone

Concen: 44.823 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

Instrument :

BNA\_F

ClientSampleId :

MH-2-E(0-1)

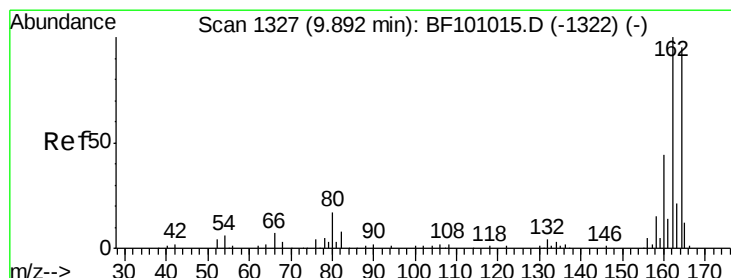
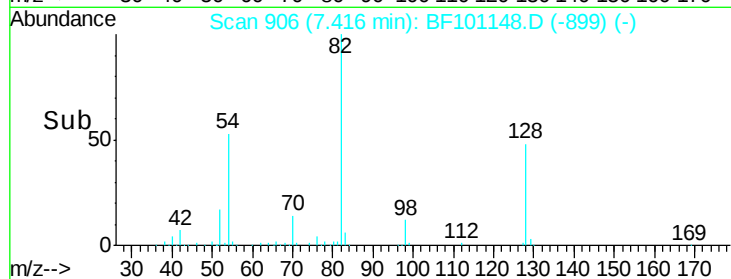
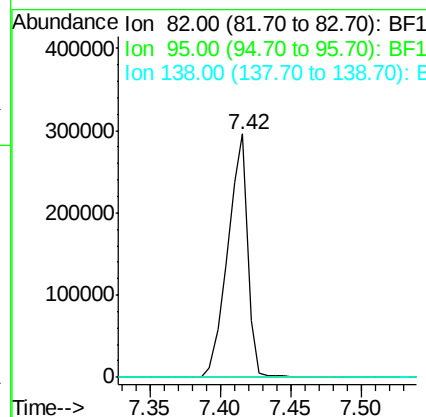
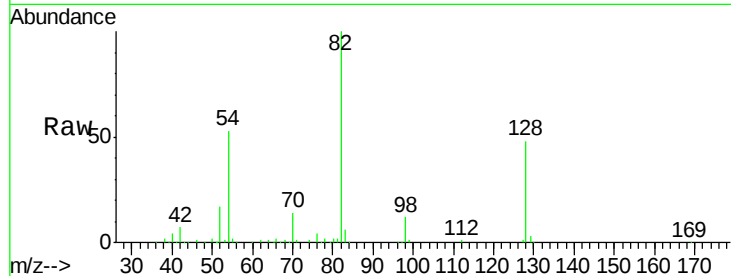
Tot Ion: 82 Resp: 291023

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101148.D

Acq: 6 Dec 2017 2:53

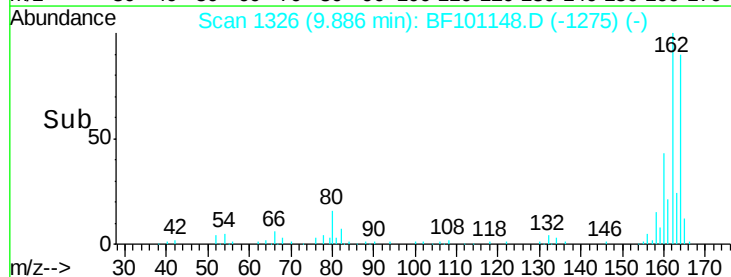
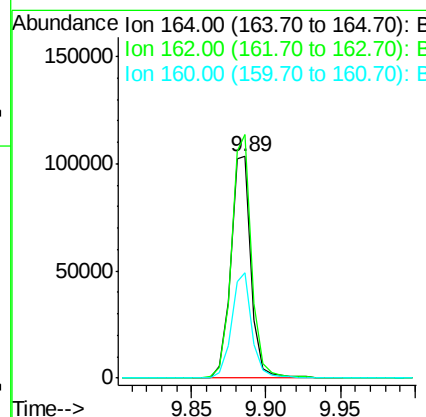
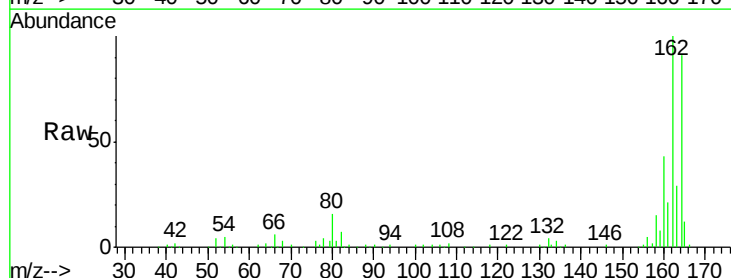
Tgt Ion:164 Resp: 100485

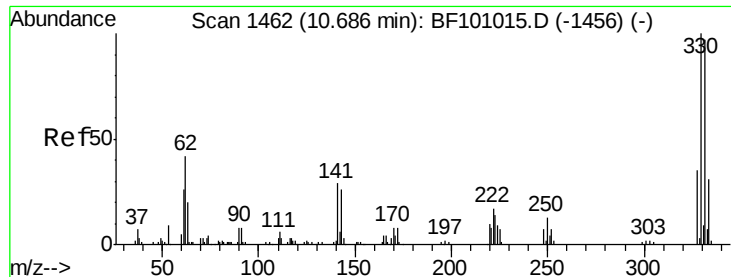
Ion Ratio Lower Upper

164 100

162 109.9 86.1 129.1

160 47.6 38.3 57.5

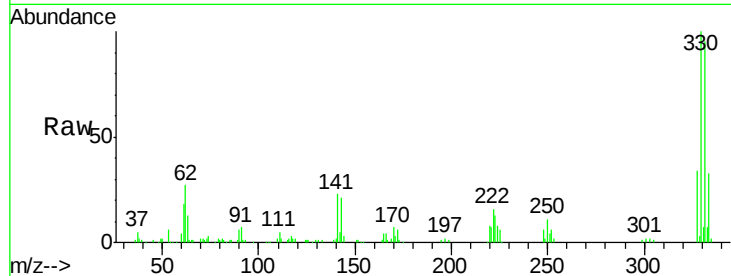




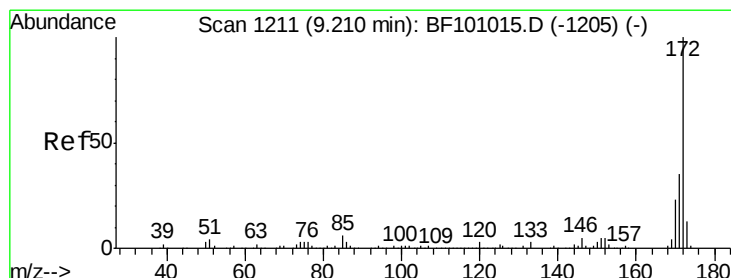
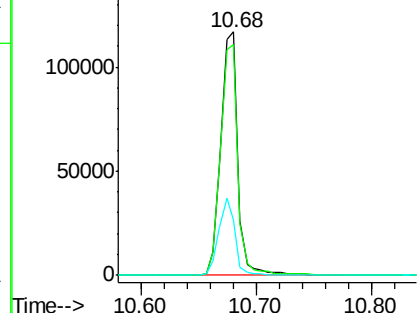
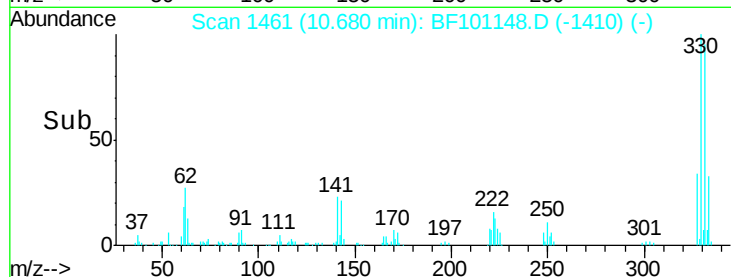
#41  
 2,4,6-Tribromophenol  
 Concen: 99.159 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. 0.00 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.0  | 115.6 |
| 141     | 30.1  | 29.9  | 44.9  |

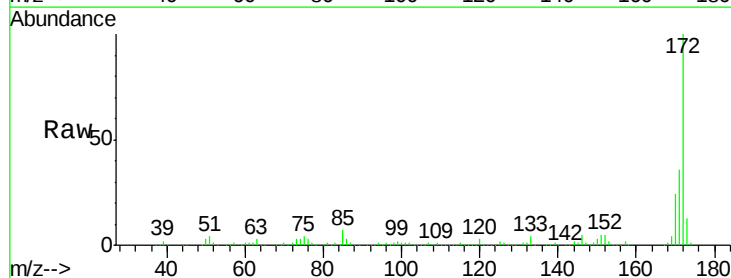


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

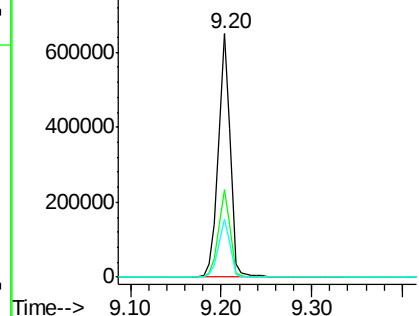
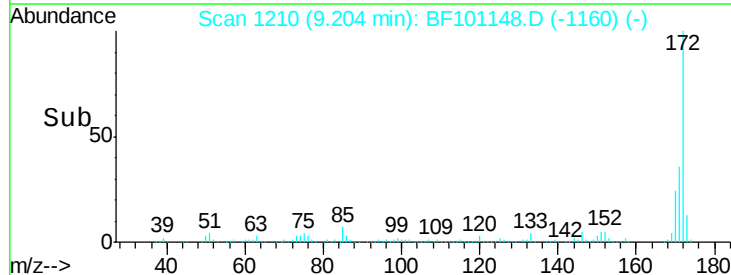


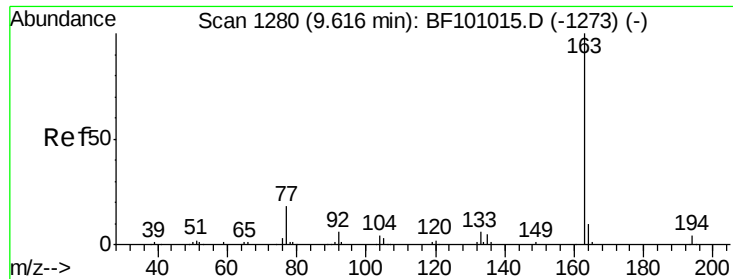
#44  
 2-Fluorobiphenyl  
 Concen: 81.822 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |



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

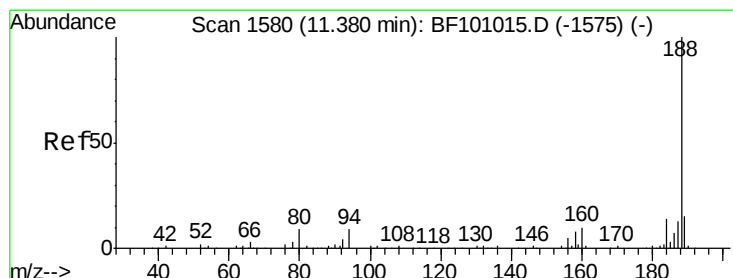
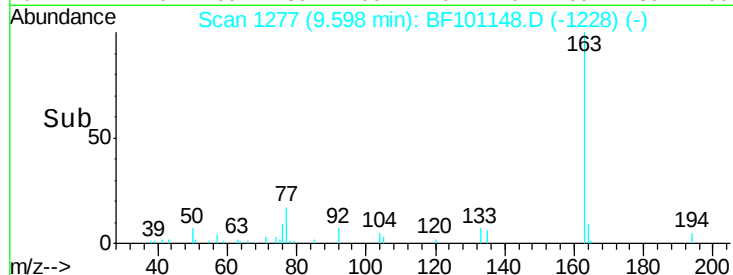
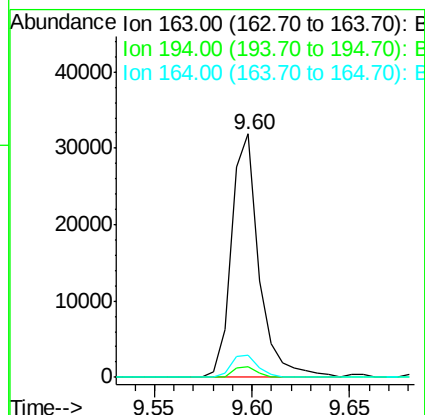
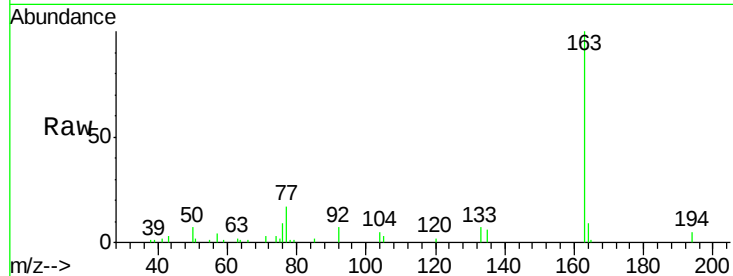




#49  
Dimethylphthalate  
Concen: 3.855 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

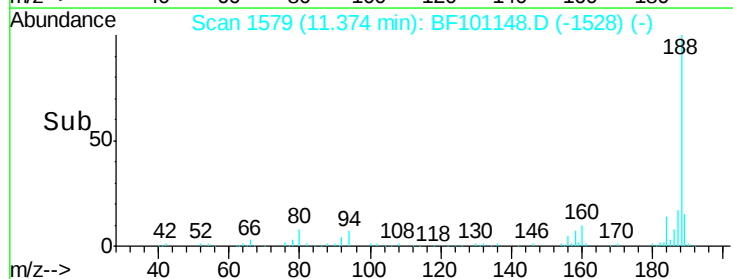
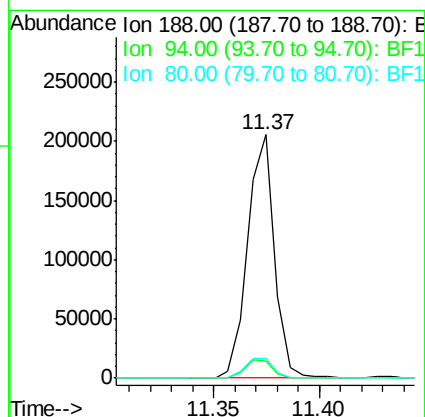
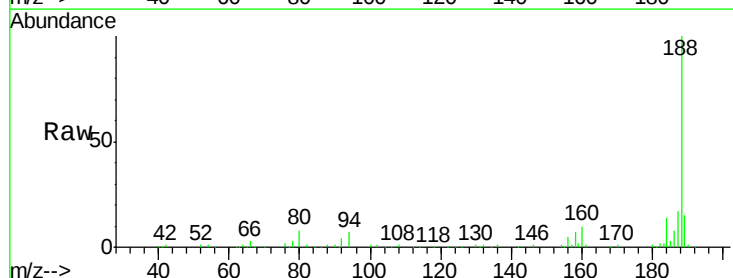
Instrument :  
BNA\_F  
ClientSampleId :  
MH-2-E(0-1)

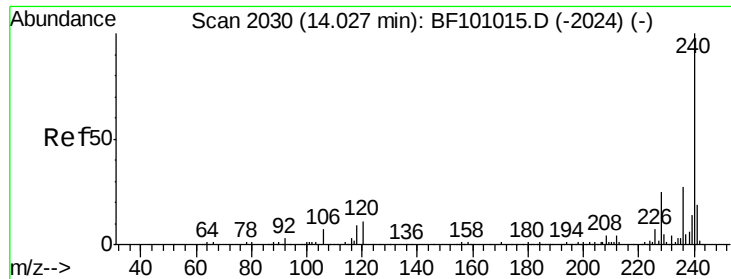
Tot Ion:163 Resp: 31239  
Ion Ratio Lower Upper  
163 100  
194 4.5 2.7 4.1#  
164 9.3 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

Tgt Ion:188 Resp: 180684  
Ion Ratio Lower Upper  
188 100  
94 7.2 8.5 12.7#  
80 8.1 9.2 13.8#

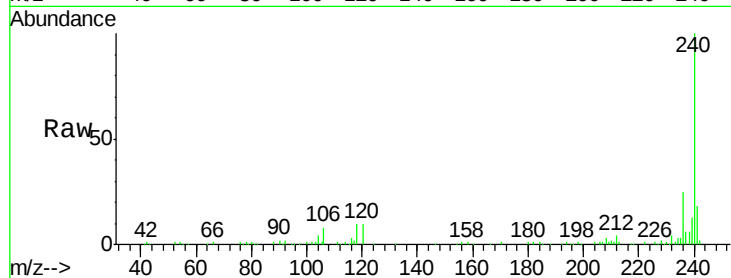




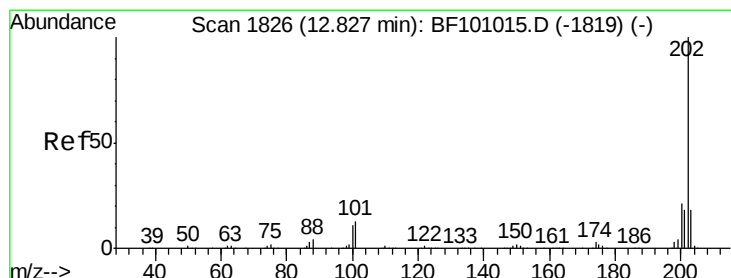
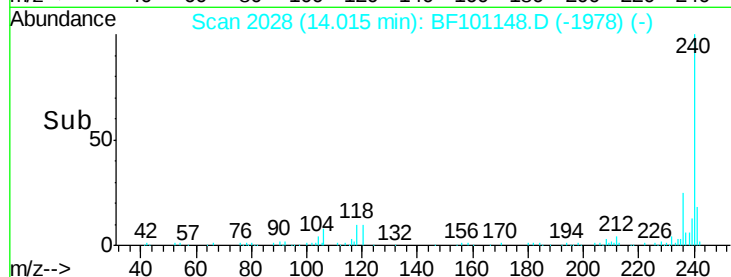
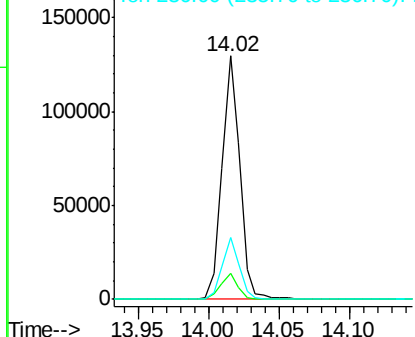
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2-E(0-1)

Tot Ion:240 Resp: 114245  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.5 14.3  
236 25.3 20.7 31.1

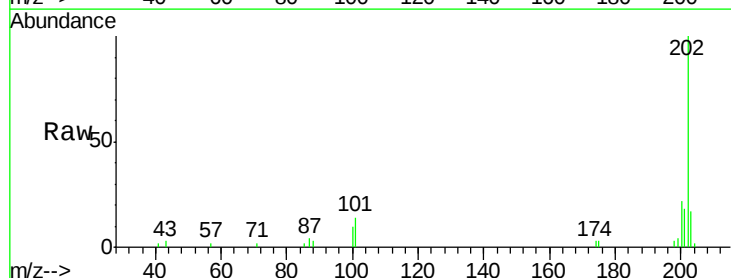


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

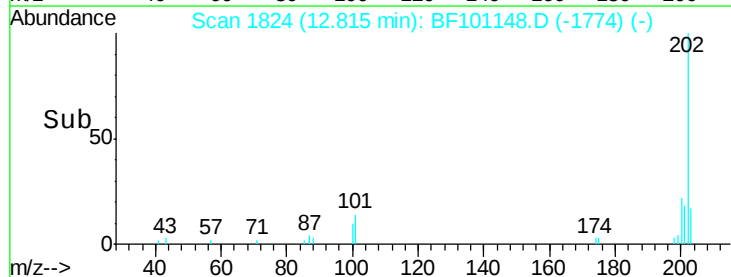
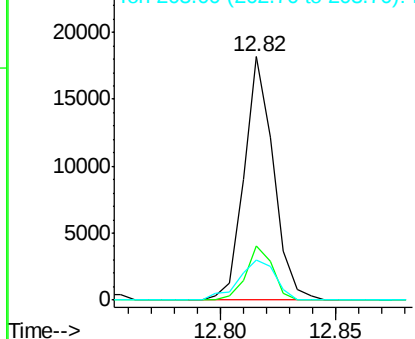


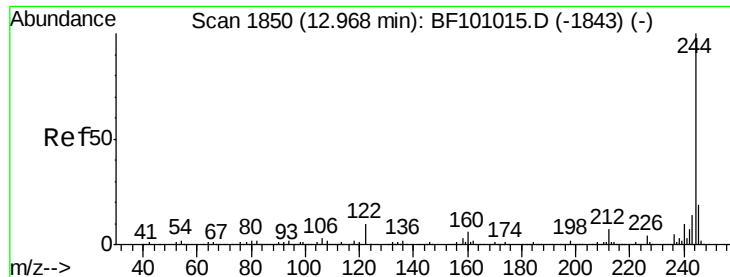
#77  
Pyrene  
Concen: 2.049 ng  
RT: 12.82 min Scan# 1824  
Delta R.T. -0.01 min  
Lab File: BF101148.D  
Acq: 6 Dec 2017 2:53

Tgt Ion:202 Resp: 16153  
Ion Ratio Lower Upper  
202 100  
200 22.4 17.4 26.2  
203 16.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

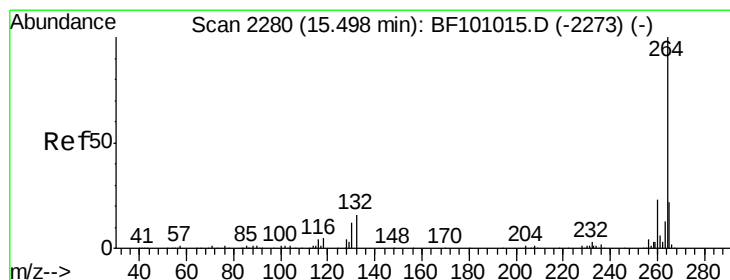
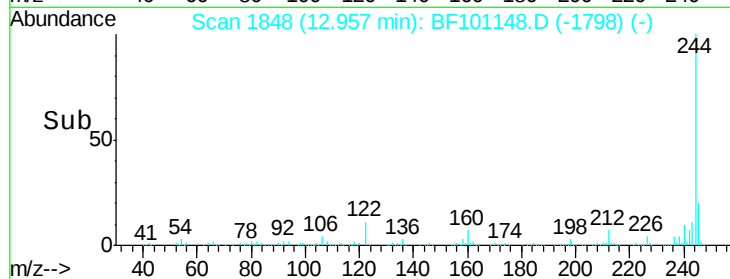
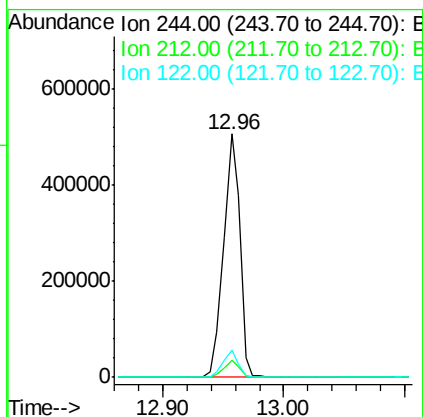
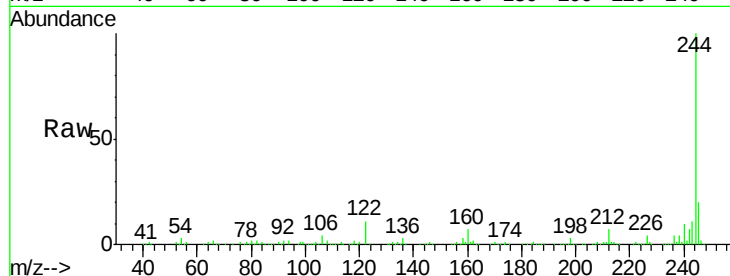




#78  
 Terphenyl-d14  
 Concen: 90.615 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.01 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2-E(0-1)

Tot Ion:244 Resp: 473300  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.4 8.0  
 122 11.2 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BF101148.D  
 Acq: 6 Dec 2017 2:53

Tgt Ion:264 Resp: 121653  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 21.1 17.5 26.3

