

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP100719\  
 Data File : BP000550.D  
 Acq On : 07 Oct 2019 18:07  
 Operator : JU  
 Sample : K5213-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S-2(5-10)

Quant Time: Oct 08 06:16:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 01 18:03:42 2019  
 Response via : Initial Calibration

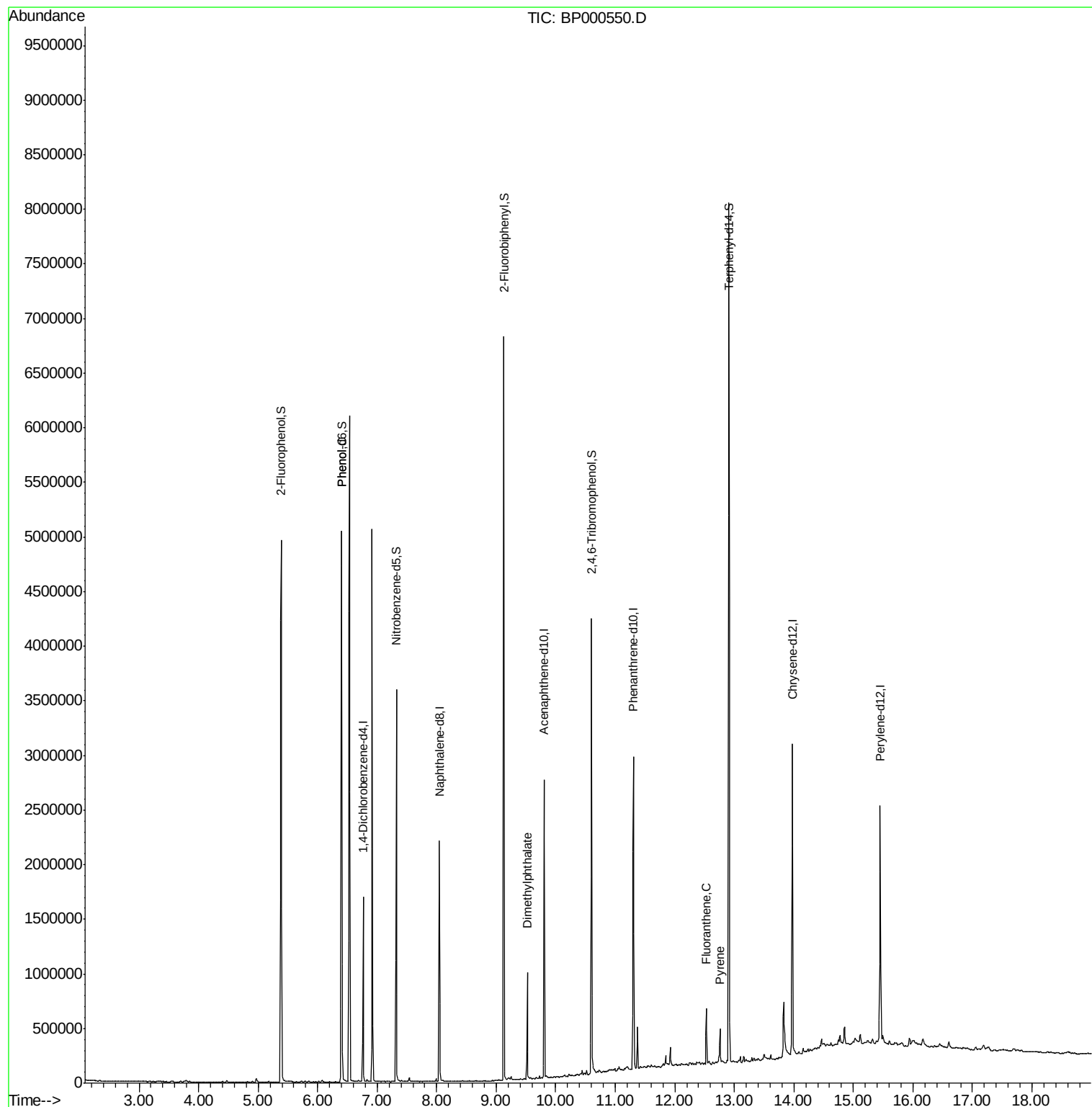
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 267052   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 968629   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.80  | 164  | 531199   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.30 | 188  | 981158   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.97 | 240  | 859422   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.45 | 264  | 973255   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 1589784  | 95.69  | ng    | 0.00     |
| 7) Phenol-d6                | 6.40  | 99   | 2114899  | 105.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1132548  | 71.41  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.60 | 330  | 527130   | 93.12  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.13  | 172  | 2169320  | 66.08  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 2535637  | 59.74  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.41  | 94   | 92012    | 4.489  | ng    | 97       |
| 50) Dimethylphthalate       | 9.52  | 163  | 386377   | 10.468 | ng    | 100      |
| 75) Fluoranthene            | 12.53 | 202  | 187436   | 3.387  | ng    | 99       |
| 78) Pyrene                  | 12.76 | 202  | 128880   | 2.174  | ng    | 99       |

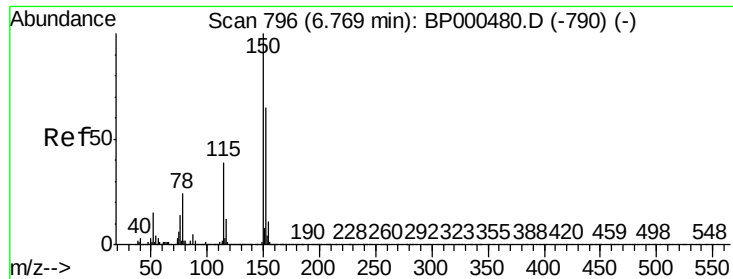
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP100719\  
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

Quant Time: Oct 08 06:16:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 01 18:03:42 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BP000550.D

Acq: 07 Oct 2019 18:07

Instrument :

BNA\_P

ClientSampleId :

S-2(5-10)

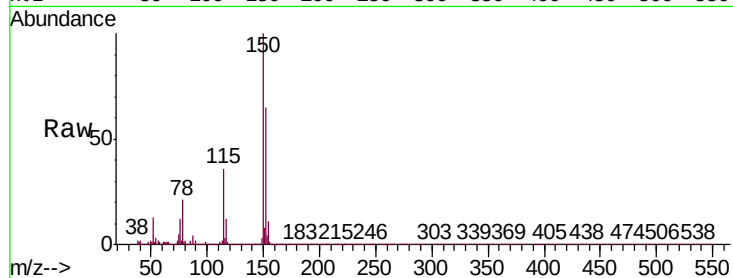
Tgt Ion:152 Resp: 267052

Ion Ratio Lower Upper

152 100

150 154.7 124.1 186.1

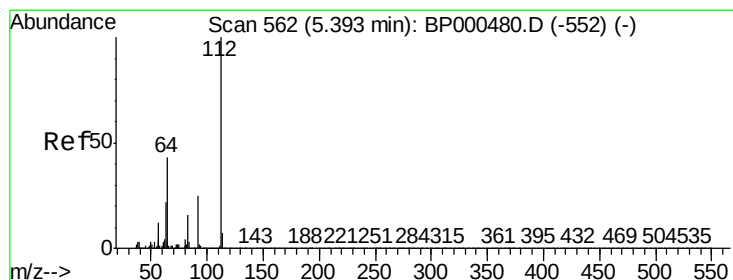
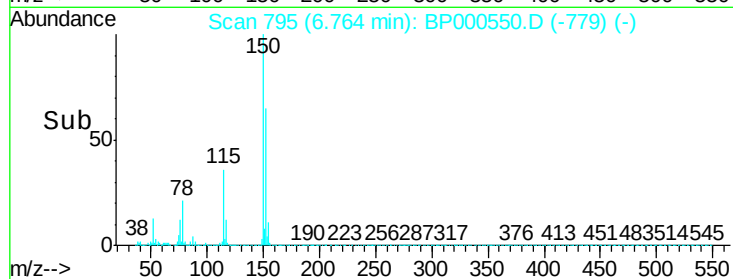
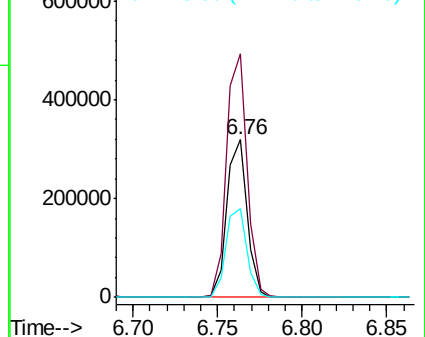
115 56.0 48.7 73.1



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: 95.693 ng

RT: 5.39 min Scan# 561

Delta R.T. -0.01 min

Lab File: BP000550.D

Acq: 07 Oct 2019 18:07

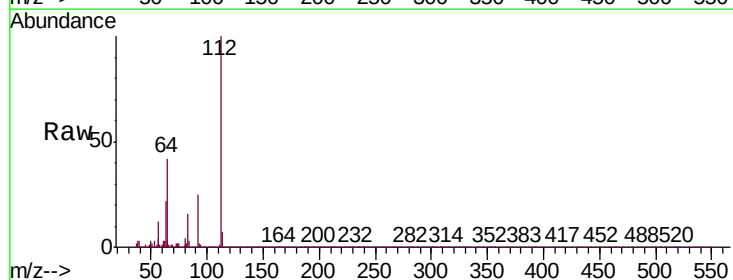
Tgt Ion:112 Resp: 1589784

Ion Ratio Lower Upper

112 100

64 42.5 34.2 51.4

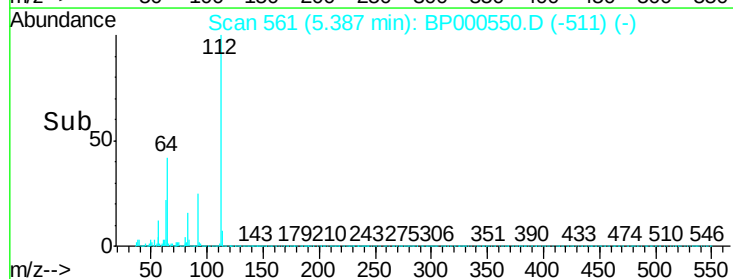
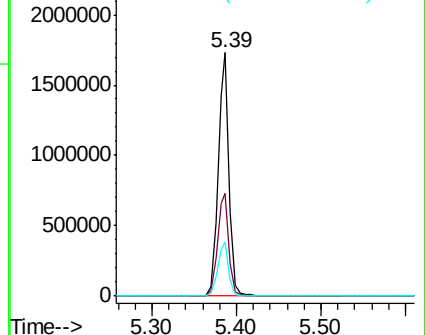
63 22.0 17.9 26.9

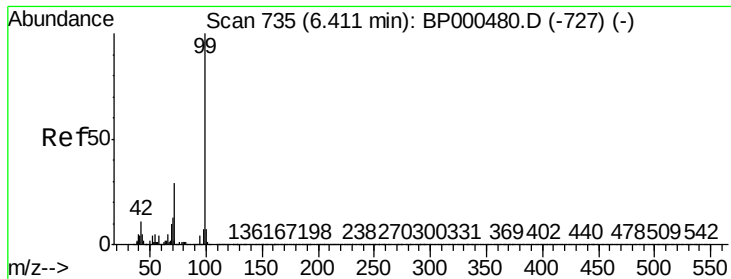


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 105.640 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000550.D

Acq: 07 Oct 2019 18:07

Instrument :

BNA\_P

ClientSampled :

S-2(5-10)

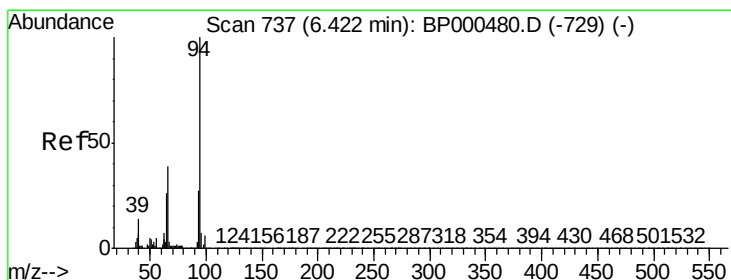
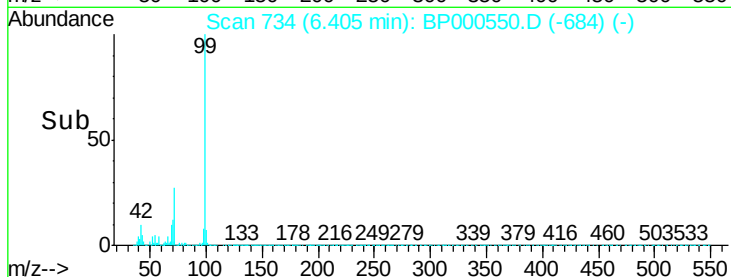
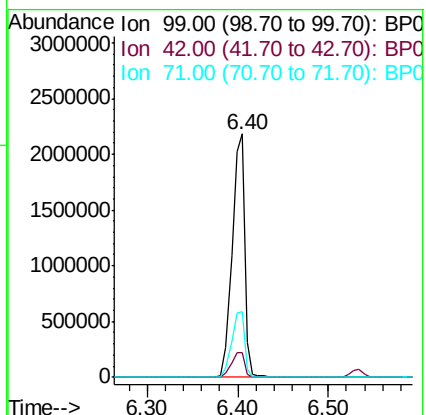
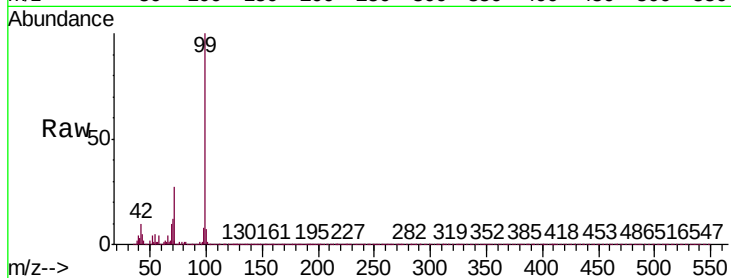
Tgt Ion: 99 Resp: 2114899

Ion Ratio Lower Upper

99 100

42 9.9 8.6 12.8

71 27.1 23.0 34.4



#10

Phenol

Concen: 4.489 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000550.D

Acq: 07 Oct 2019 18:07

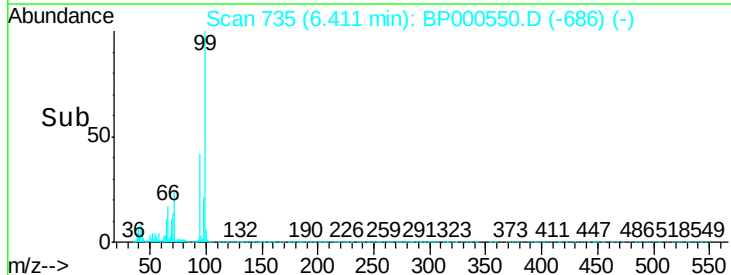
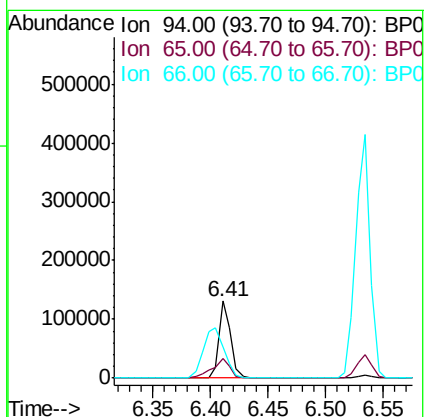
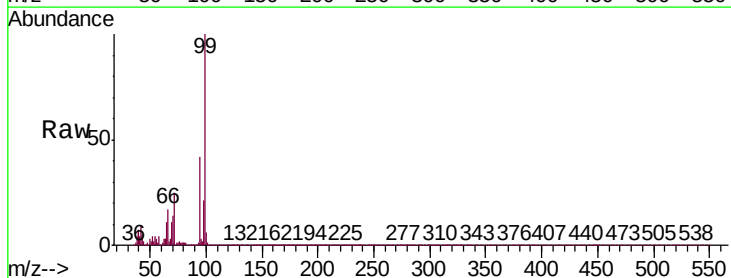
Tgt Ion: 94 Resp: 92012

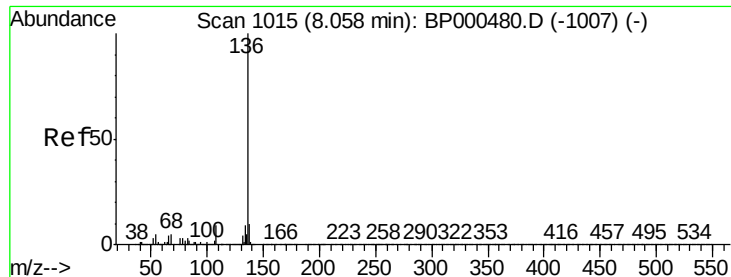
Ion Ratio Lower Upper

94 100

65 26.1 5.9 45.9

66 41.3 18.8 58.8

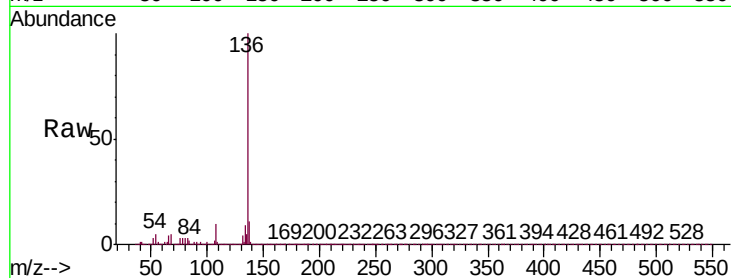




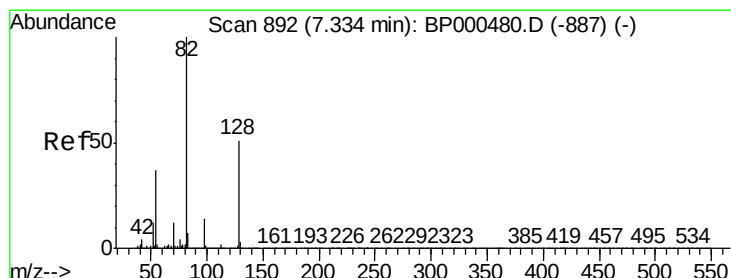
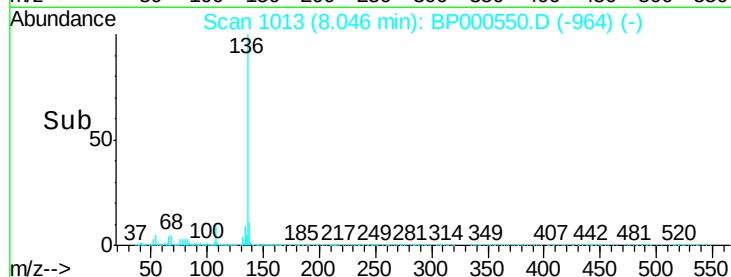
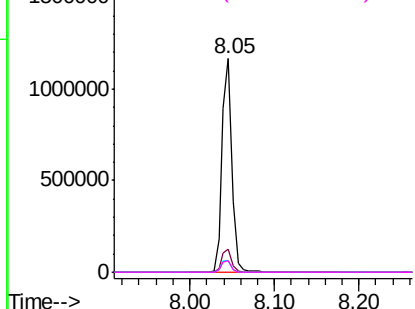
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 968629 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.2   | 12.4   |
| 54       | 5.4   | 4.1   | 6.1    |
| 68       | 5.2   | 4.1   | 6.1    |

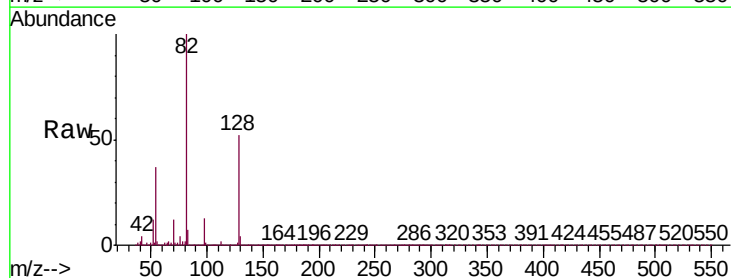


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BP0  
Ion 68.00 (67.70 to 68.70): BP0

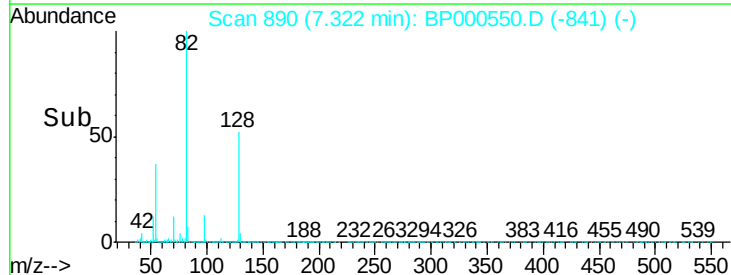
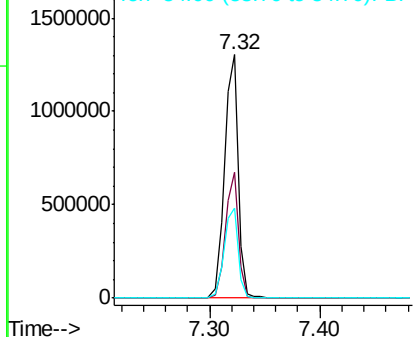


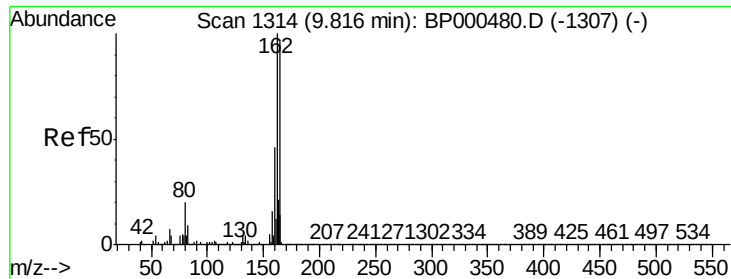
#23  
Nitrobenzene-d5  
Concen: 71.411 ng  
RT: 7.32 min Scan# 890  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1132548 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 51.9  | 40.9  | 61.3    |
| 54       | 37.0  | 29.4  | 44.2    |



Abundance Ion 82.00 (81.70 to 82.70): BP0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BP0

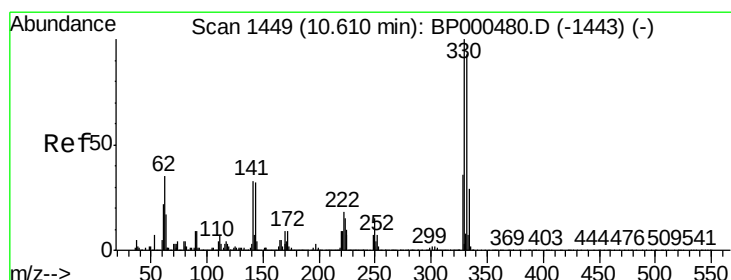
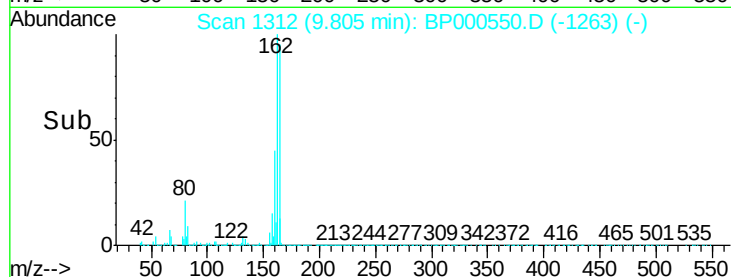
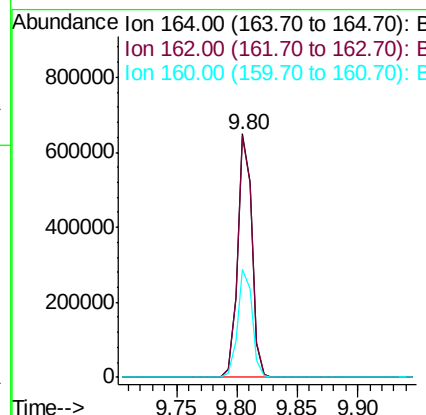
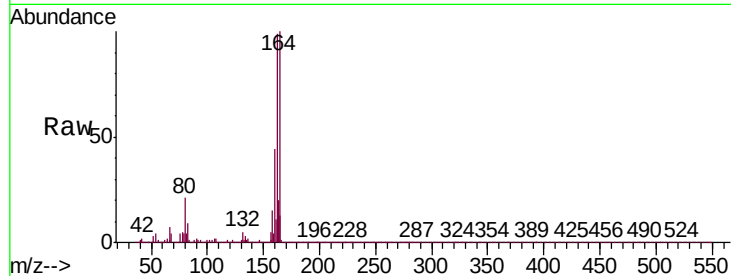




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

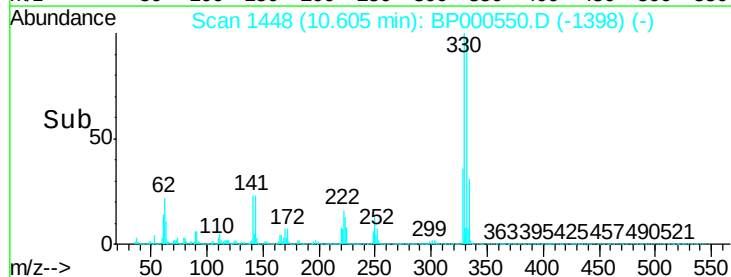
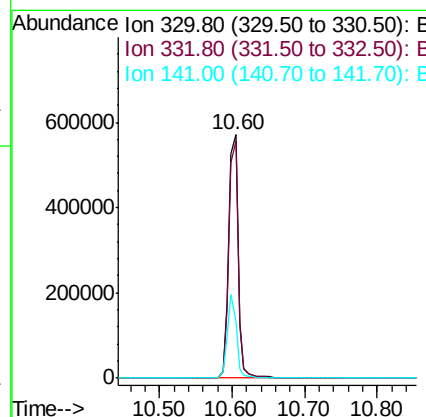
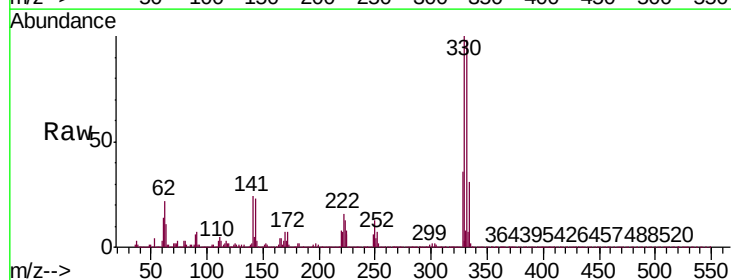
Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

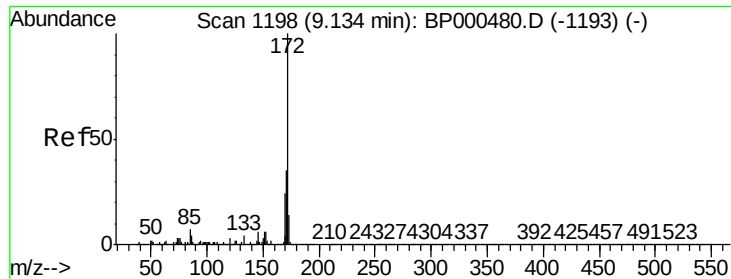
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.2  | 82.2  | 123.2 |
| 160     | 44.4  | 37.6  | 56.4  |



#42  
2,4,6-Tribromophenol  
Concen: 93.123 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.1  | 115.7 |
| 141     | 32.3  | 26.0  | 39.0  |

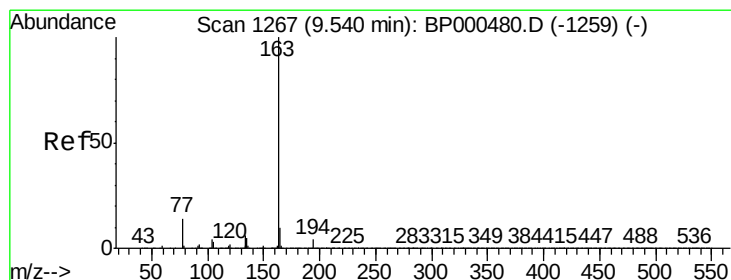
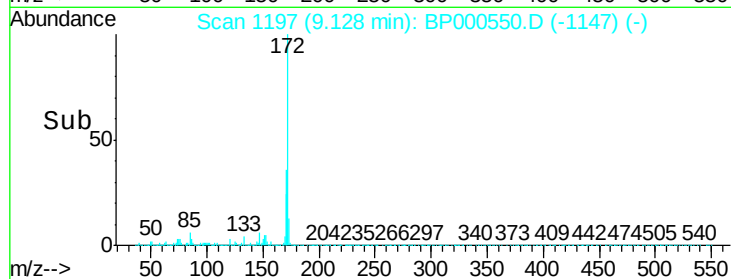
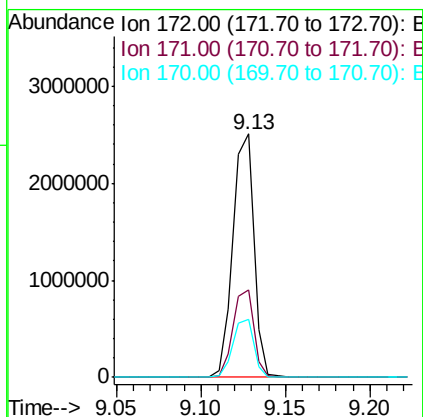
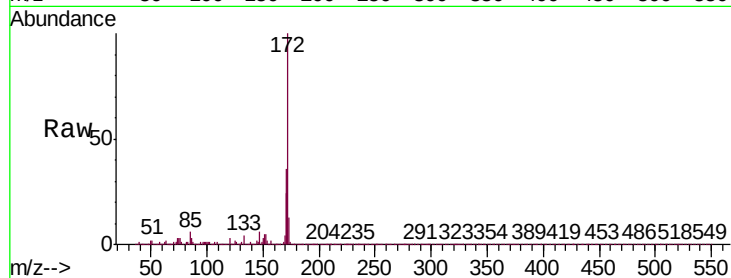




#45  
2-Fluorobiphenyl  
Concen: 66.076 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

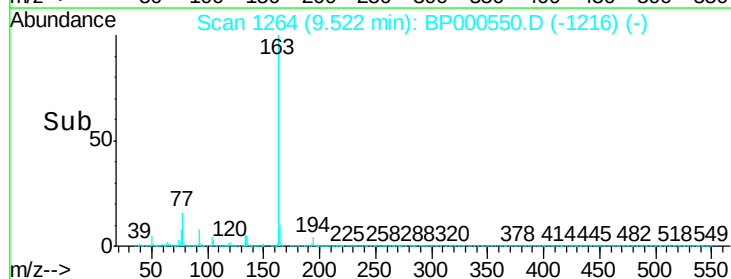
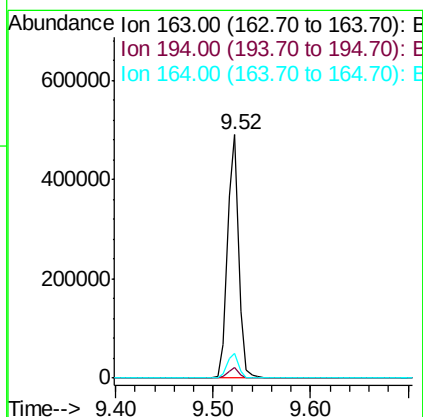
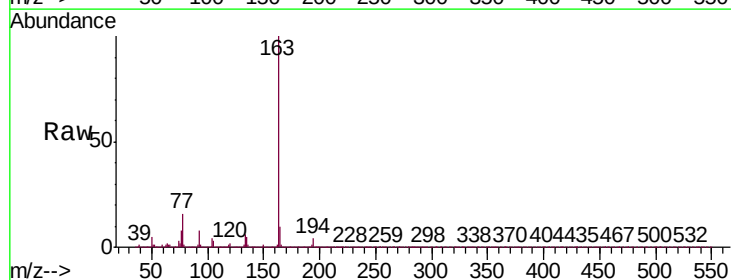
Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

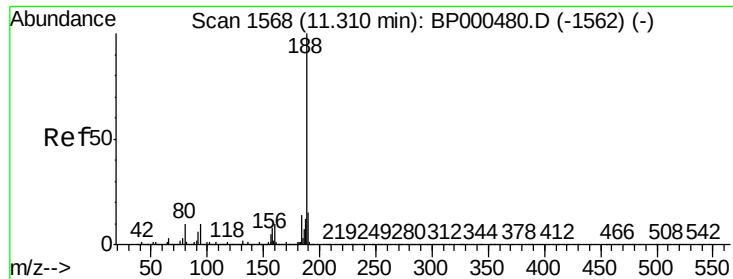
Tgt Ion:172 Resp: 2169320  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.4 42.6  
170 24.0 19.1 28.7



#50  
Dimethylphthalate  
Concen: 10.468 ng  
RT: 9.52 min Scan# 1264  
Delta R.T. -0.02 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

Tgt Ion:163 Resp: 386377  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.4 5.2  
164 10.0 8.0 12.0

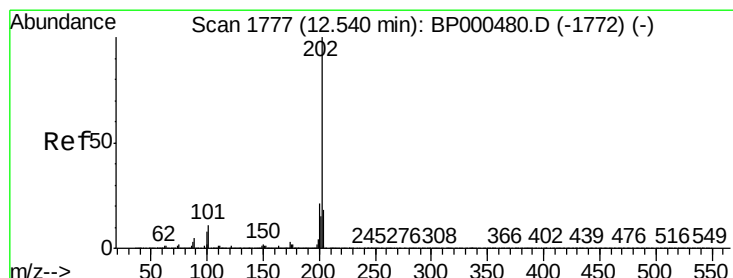
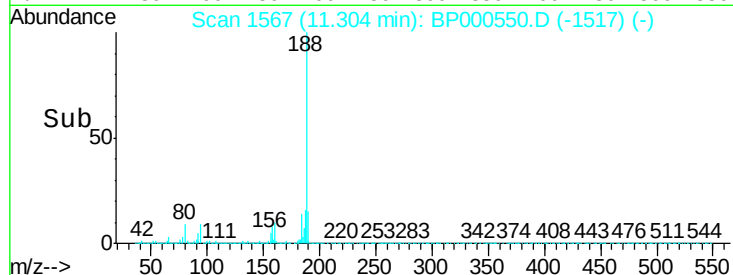
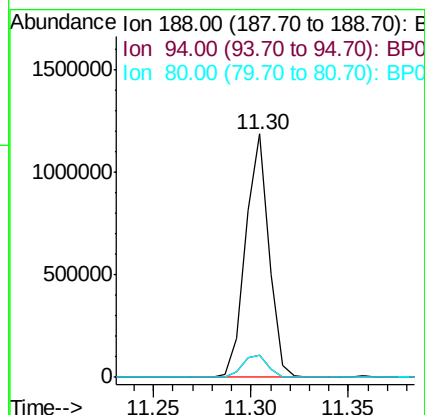
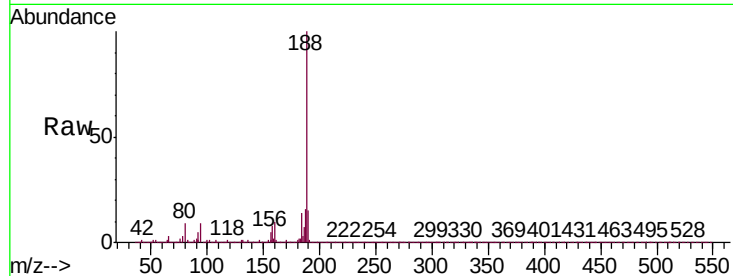




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

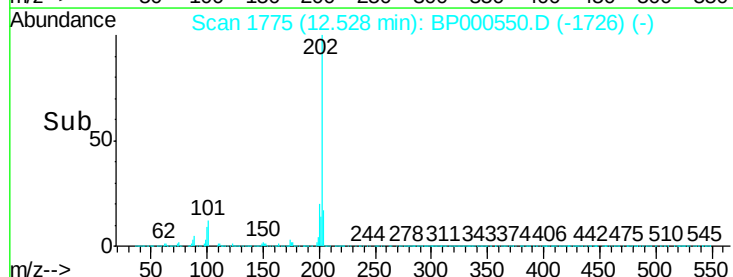
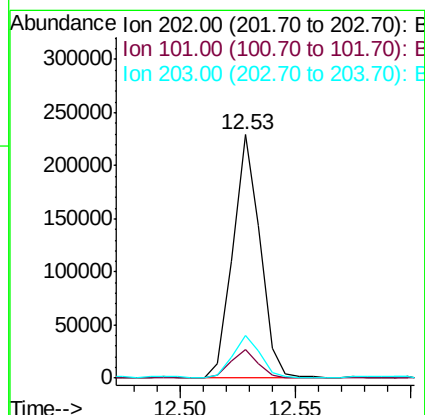
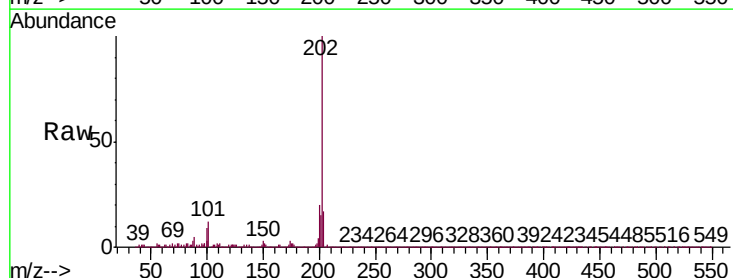
Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 981158 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.2   | 8.2   | 12.2   |
| 80       | 9.3   | 8.3   | 12.5   |

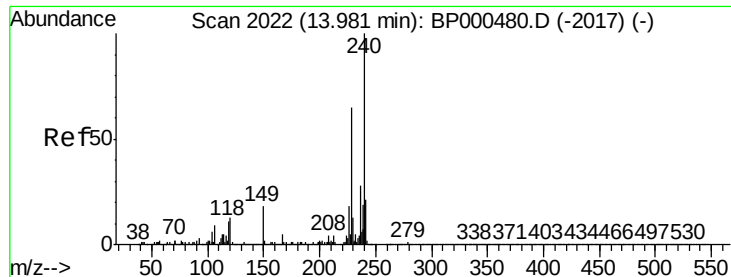


#75  
Fluoranthene  
Concen: 3.387 ng  
RT: 12.53 min Scan# 1775  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 187436 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 11.7  | 0.0   | 31.3   |
| 203      | 17.4  | 0.0   | 38.1   |



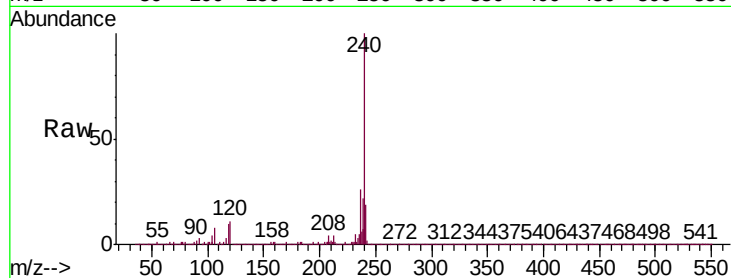




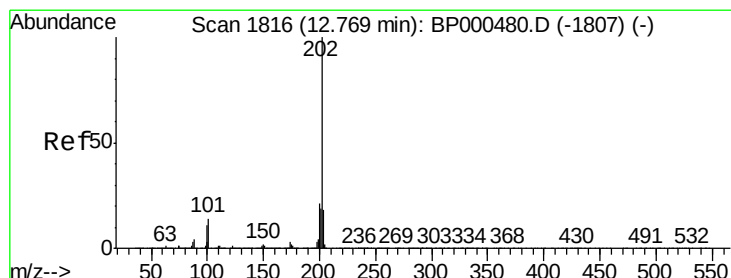
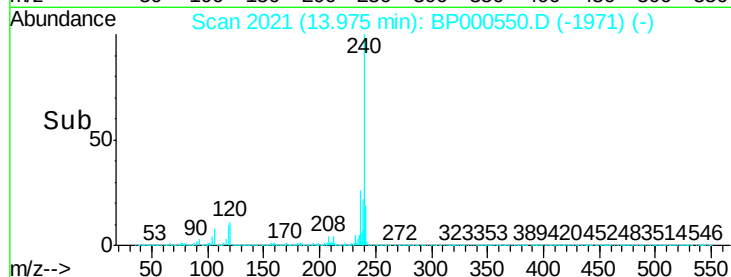
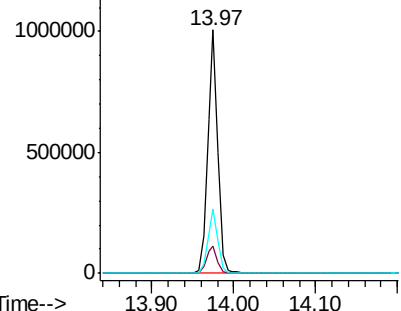
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

Instrument :  
BNA\_P  
ClientSampleId :  
S-2(5-10)

Tgt Ion:240 Resp: 859422  
Ion Ratio Lower Upper  
240 100  
120 11.5 10.1 15.1  
236 26.3 22.7 34.1

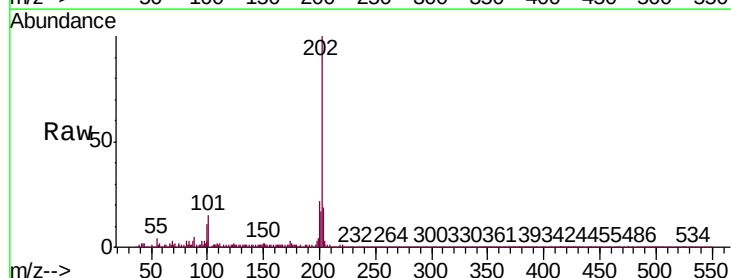


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

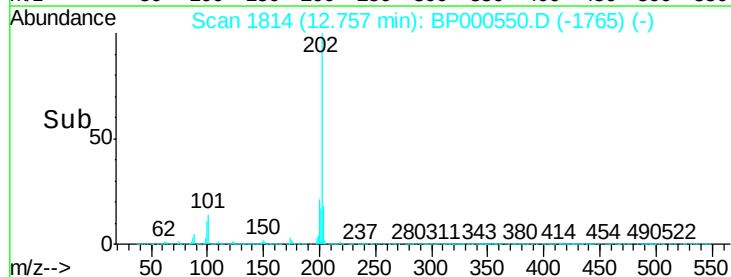
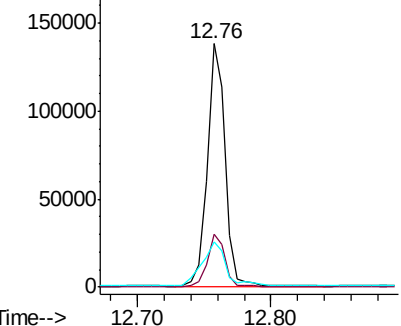


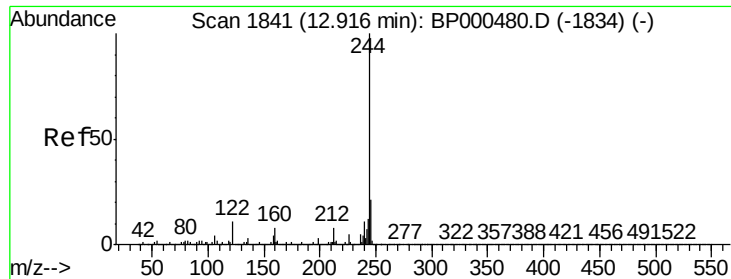
#78  
Pyrene  
Concen: 2.174 ng  
RT: 12.76 min Scan# 1814  
Delta R.T. -0.01 min  
Lab File: BP000550.D  
Acq: 07 Oct 2019 18:07

Tgt Ion:202 Resp: 128880  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.1 25.7  
203 18.6 14.6 21.8



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

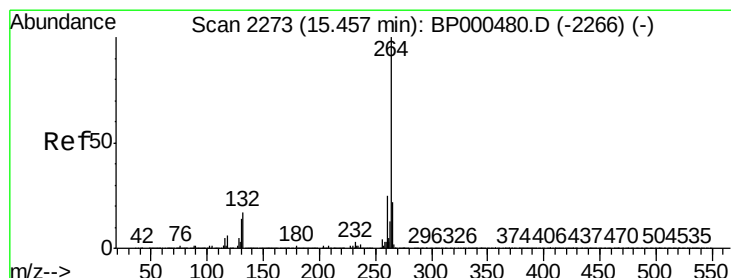
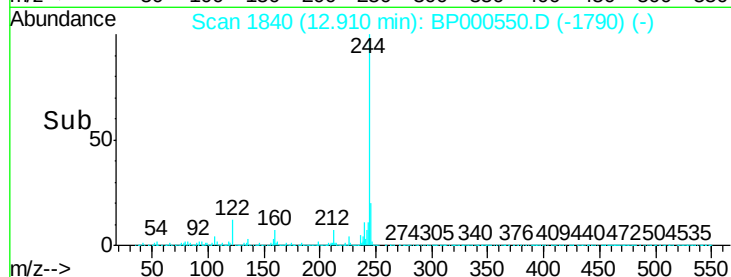
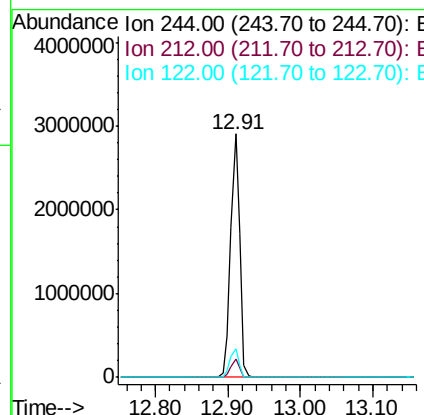
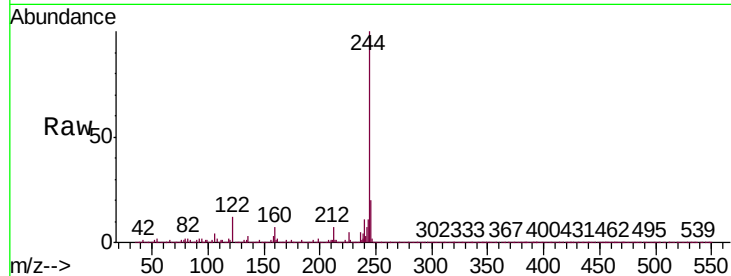




#79  
 Terphenyl-d14  
 Concen: 59.737 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: BP000550.D  
 Acq: 07 Oct 2019 18:07

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S-2(5-10)

Tgt Ion:244 Resp: 2535637  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.0 9.0  
 122 11.8 8.9 13.3



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.45 min Scan# 2272  
 Delta R.T. -0.01 min  
 Lab File: BP000550.D  
 Acq: 07 Oct 2019 18:07

Tgt Ion:264 Resp: 973255  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 20.3 30.5  
 265 21.4 18.0 27.0

