

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\  
 Data File : BP002460.D  
 Acq On : 19 Jun 2020 16:01  
 Operator : CG/JU  
 Sample : L3055-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AMITY-ST-ENTRANCE

Quant Time: Jun 19 16:38:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 183581   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.36 | 136  | 682631   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.23 | 164  | 367430   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.99 | 188  | 739442   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.10 | 240  | 683546   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 23.30 | 264  | 717100   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.20  | 112  | 1175565  | 118.49 | ng    | 0.00     |
| 7) Phenol-d6                | 6.78  | 99   | 1549979  | 117.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.73  | 82   | 1041068  | 91.08  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 436943   | 124.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.85 | 172  | 1924407  | 88.06  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.58 | 244  | 2429917  | 94.46  | ng    | 0.00     |

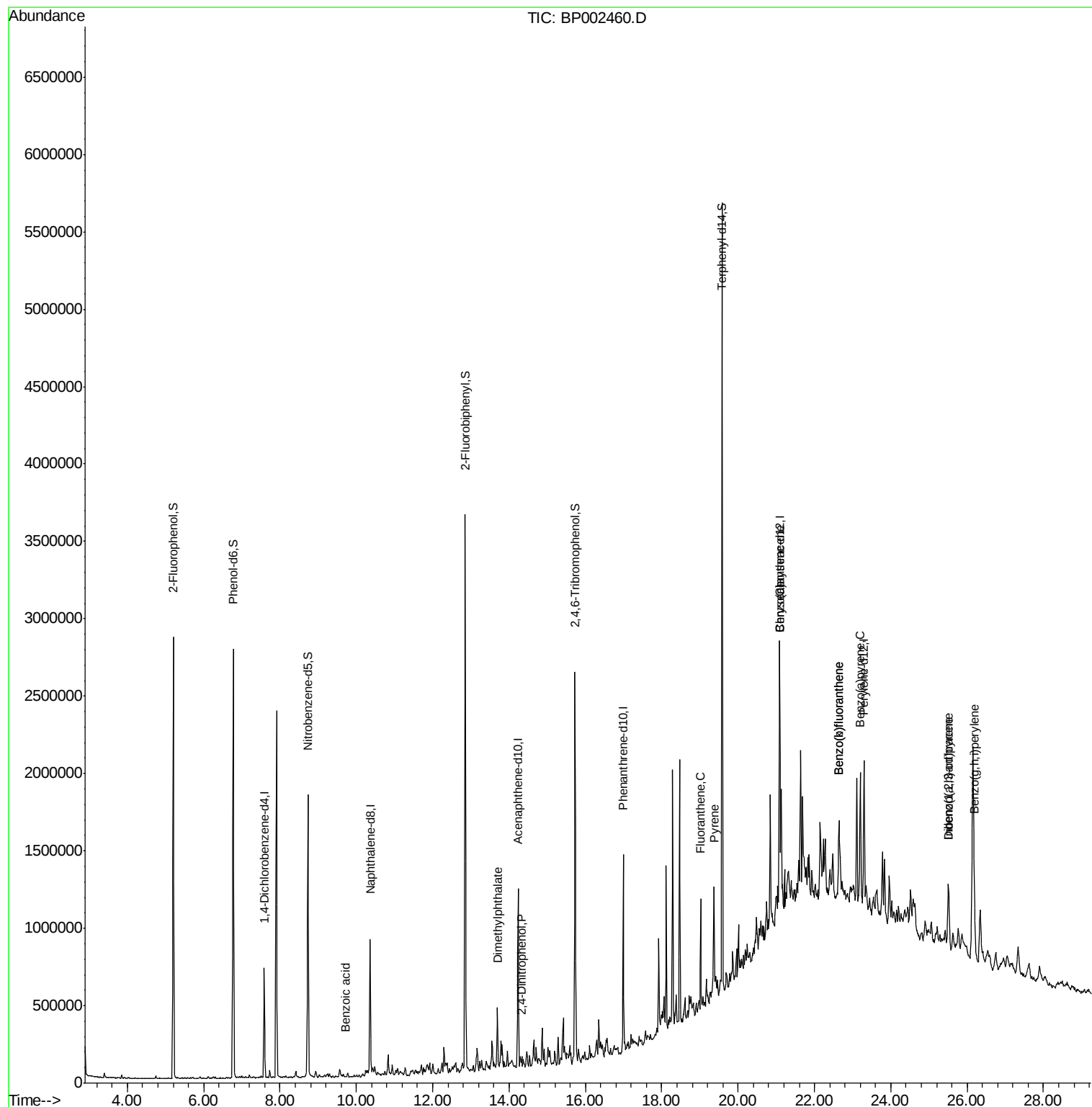
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.73  | 77   | 893      | Below Cal |       | # 70   |
| 32) Benzoic acid               | 9.72  | 122  | 67       | 4.608     | ng    | # 1    |
| 50) Dimethylphthalate          | 13.69 | 163  | 237339   | 9.427     | ng    | 99     |
| 54) 2,4-Dinitrophenol          | 14.35 | 184  | 132      | 2.825     | ng    | # 1    |
| 61) 4-Chlorophenyl-phenylether | 15.31 | 204  | 383      | Below Cal |       | # 1    |
| 75) Fluoranthene               | 19.02 | 202  | 397910   | 9.637     | ng    | 98     |
| 78) Pyrene                     | 19.37 | 202  | 441349   | 10.541    | ng    | 98     |
| 81) Benzo(a)anthracene         | 21.08 | 228  | 512506   | 13.136    | ng    | 97     |
| 83) Chrysene                   | 21.08 | 228  | 512506   | 13.864    | ng    | 94     |
| 87) Indeno(1,2,3-cd)pyrene     | 25.51 | 276  | 267046   | 5.954     | ng    | 97     |
| 88) Benzo(b)fluoranthene       | 22.64 | 252  | 552446   | 14.286    | ng    | # 89   |
| 89) Benzo(k)fluoranthene       | 22.64 | 252  | 552446   | 15.035    | ng    | # 88   |
| 90) Benzo(a)pyrene             | 23.20 | 252  | 611202   | 16.866    | ng    | 96     |
| 91) Dibenzo(a,h)anthracene     | 25.52 | 278  | 209852   | 5.833     | ng    | # 75   |
| 92) Benzo(a,h,i)perylene       | 26.19 | 276  | 400792   | 10.756    | ng    | 97     |

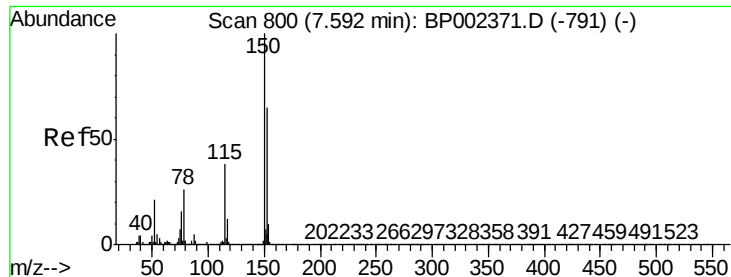
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\  
Data File : BP002460.D  
Acq On : 19 Jun 2020 16:01  
Operator : CG/JU  
Sample : L3055-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

Quant Time: Jun 19 16:38:53 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 05 15:08:53 2020  
Response via : Initial Calibration



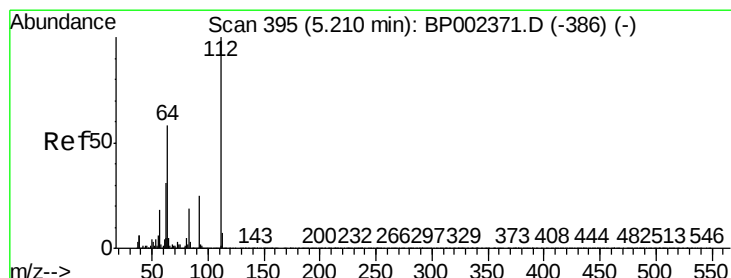
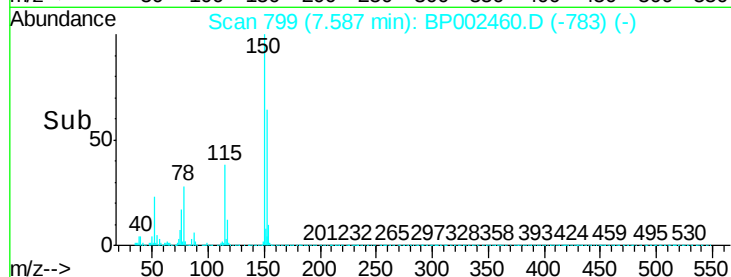
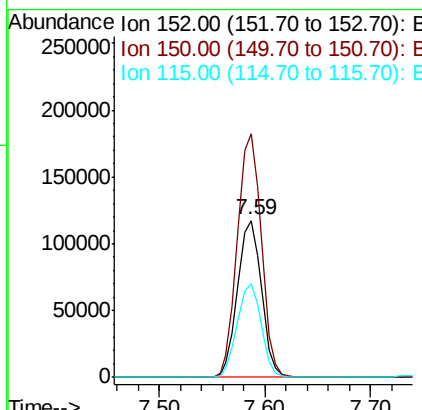
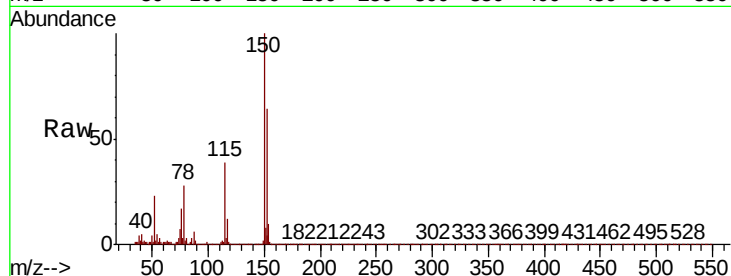


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.59 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

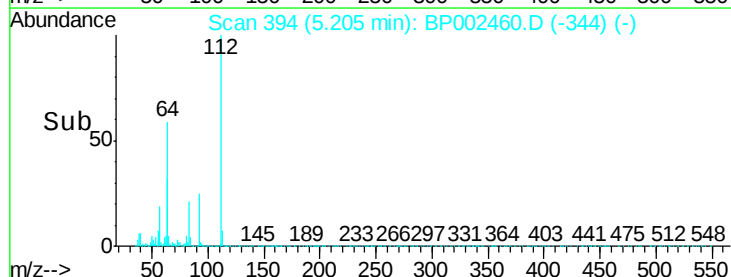
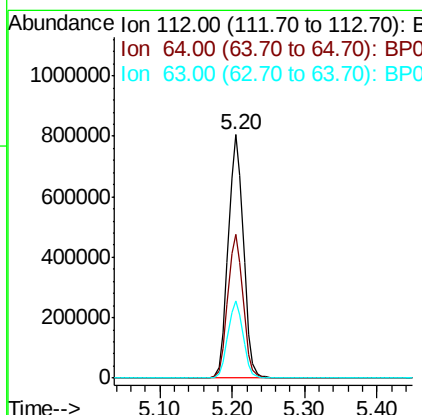
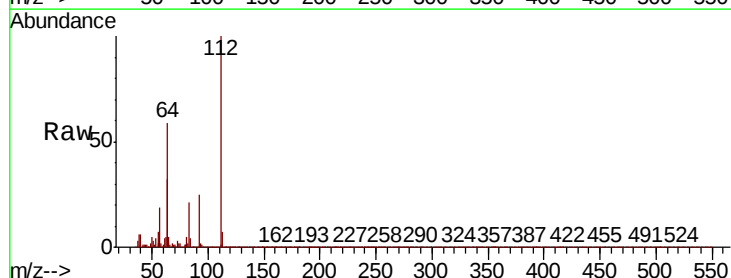
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 124.0 | 186.0 |
| 115     | 59.8  | 47.4  | 71.0  |



#5

2-Fluorophenol  
Concen: 118.492 ng  
RT: 5.20 min Scan# 394  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.3  | 46.2  | 69.2  |
| 63      | 31.7  | 24.5  | 36.7  |





#7

Phenol-d6

Concen: 117.344 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

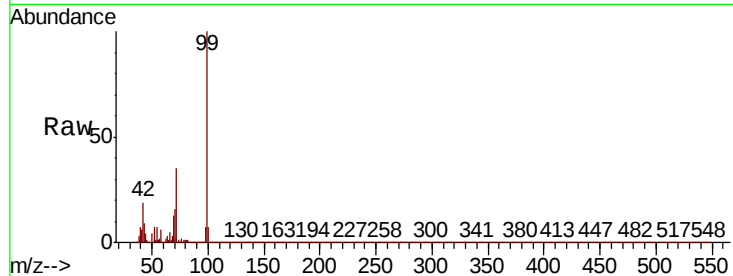
Tot Ion: 99 Resp: 1549979

Ion Ratio Lower Upper

99 100

42 18.5 14.6 22.0

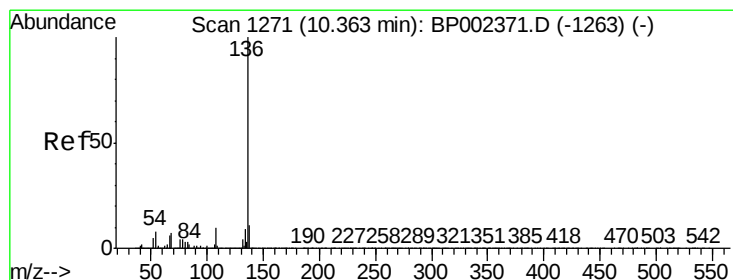
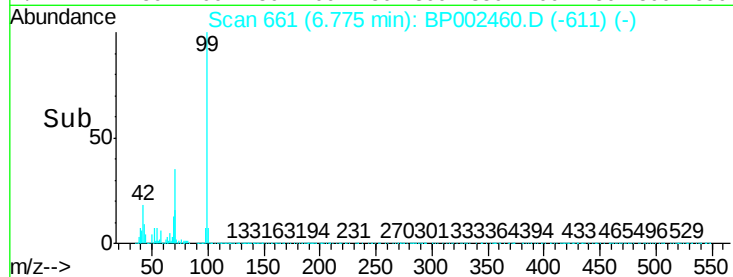
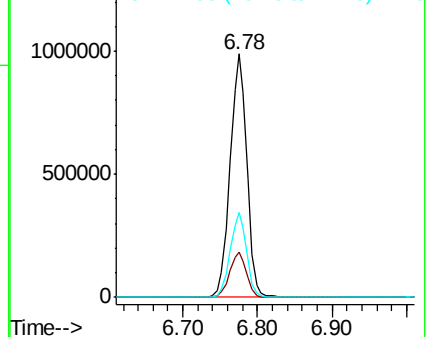
71 34.8 27.2 40.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Tgt Ion: 136 Resp: 682631

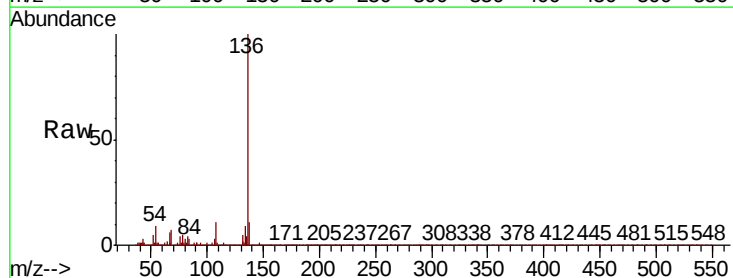
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.7 6.4 9.6

68 7.3 5.6 8.4

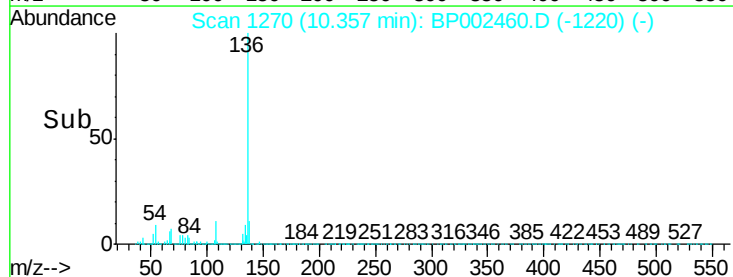
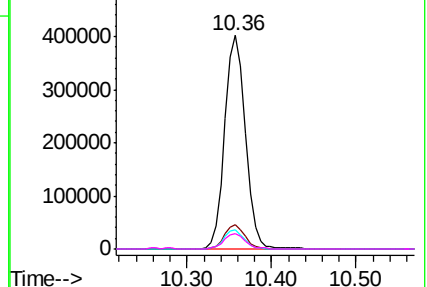


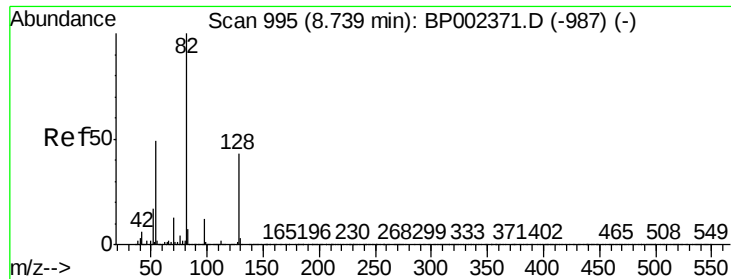
Abundance Ion 136.00 (135.70 to 136.70): E

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



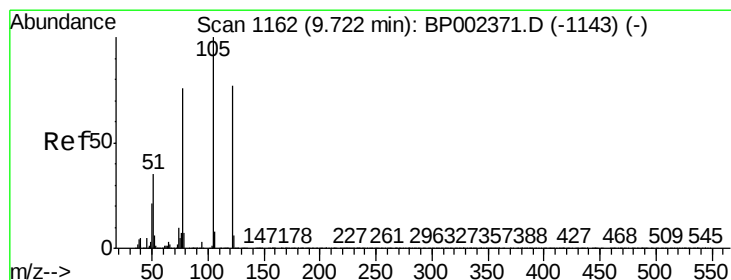
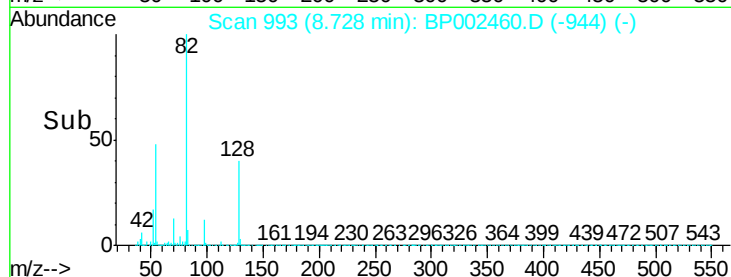
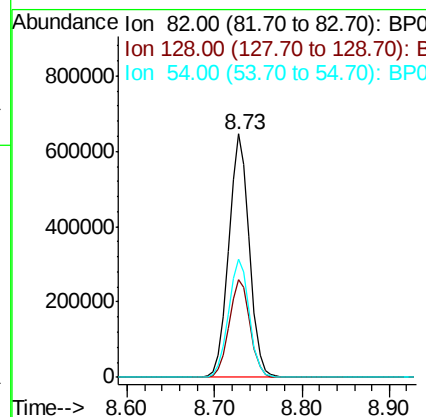
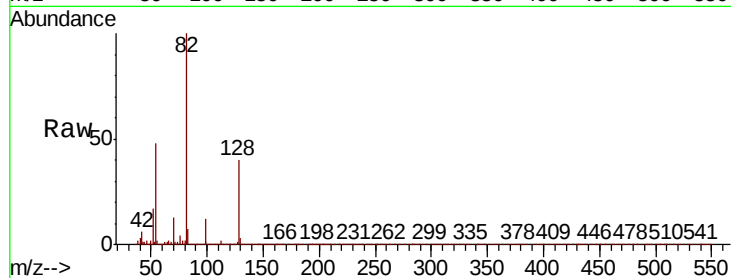


#23  
 Nitrobenzene-d5  
 Concen: 91.076 ng  
 RT: 8.73 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: BP002460.D  
 Acq: 19 Jun 2020 16:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AMITY-ST-ENTRANCE

Tot Ion: 82 Resp: 1041068  

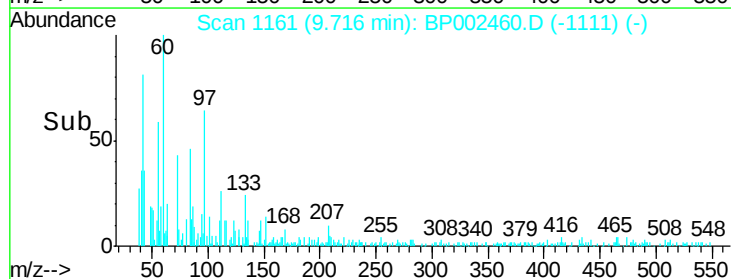
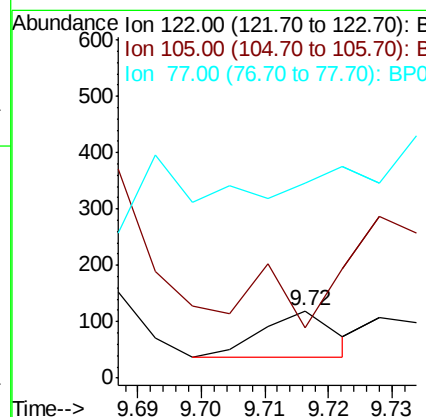
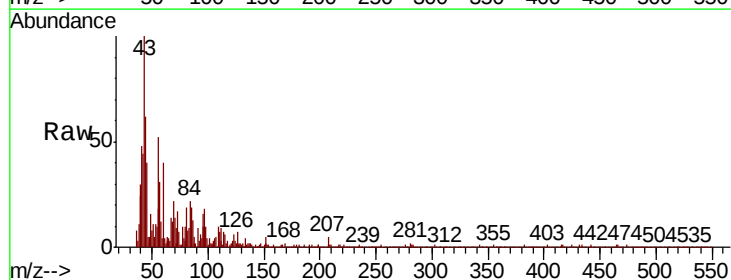
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.2  | 34.5  | 51.7  |
| 54  | 48.5  | 39.4  | 59.2  |

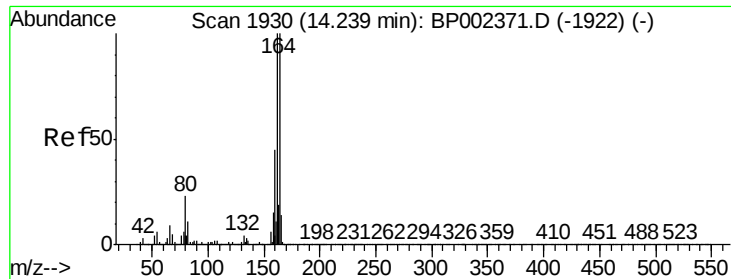


#32  
 Benzoic acid  
 Concen: 4.608 ng  
 RT: 9.72 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: BP002460.D  
 Acq: 19 Jun 2020 16:01

Tgt Ion: 122 Resp: 67  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 122 | 100   |       |        |
| 105 | 74.8  | 106.3 | 146.3# |
| 77  | 291.6 | 77.5  | 117.5# |

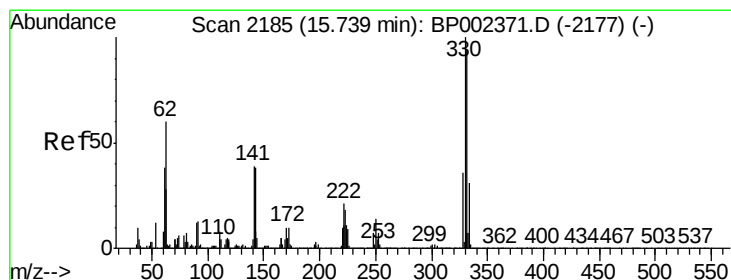
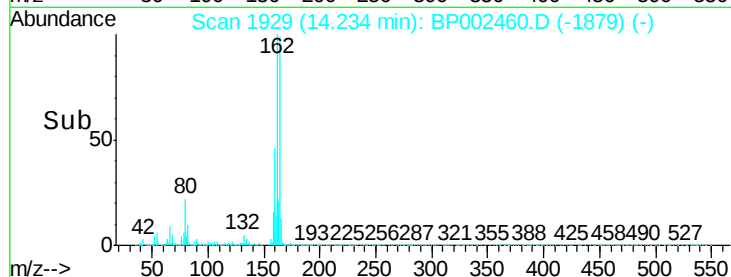
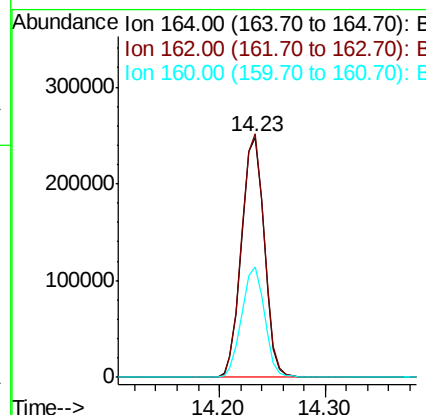
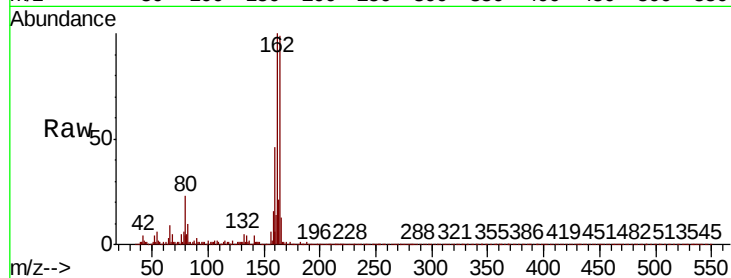




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.23 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

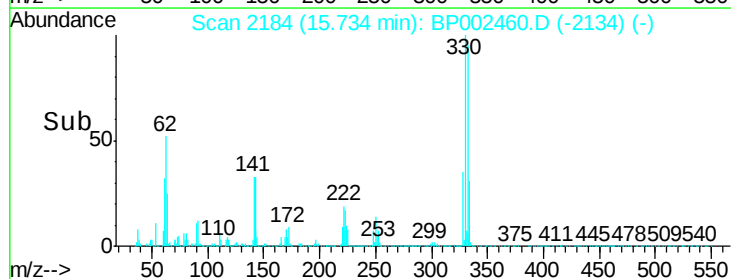
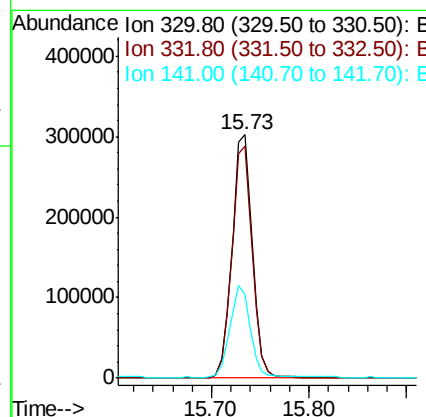
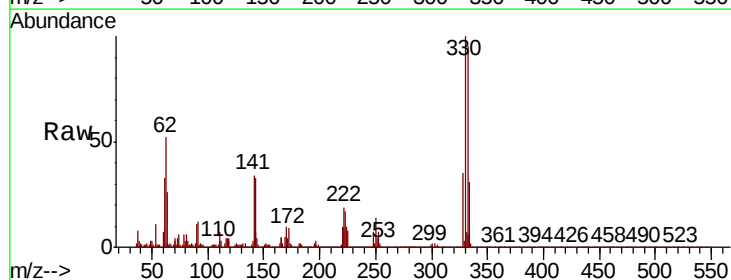
Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

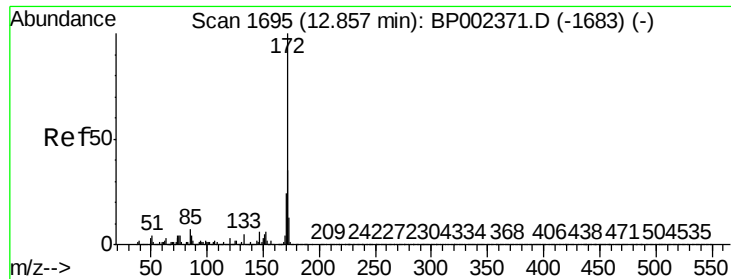
Tot Ion:164 Resp: 367430  
Ion Ratio Lower Upper  
164 100  
162 101.3 79.8 119.8  
160 46.2 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 124.206 ng  
RT: 15.73 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Tgt Ion:330 Resp: 436943  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.6 115.0  
141 37.2 30.3 45.5

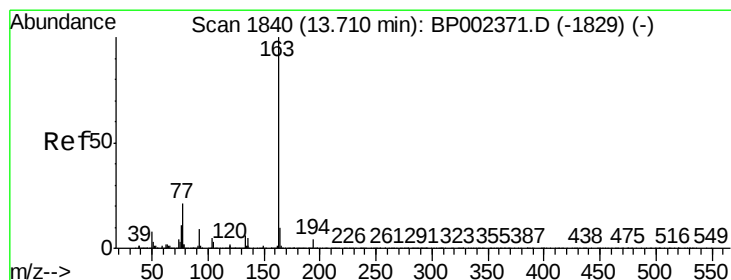
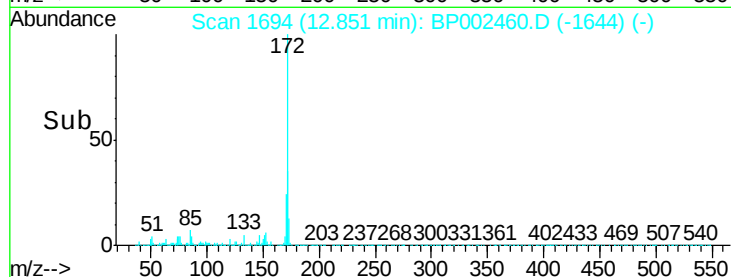
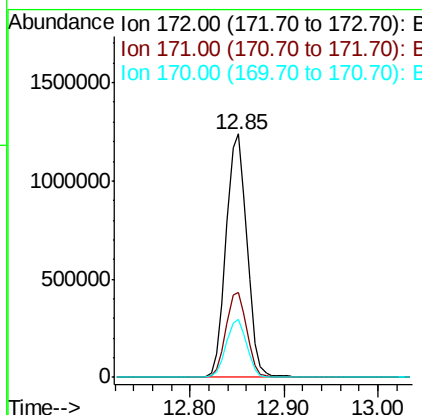
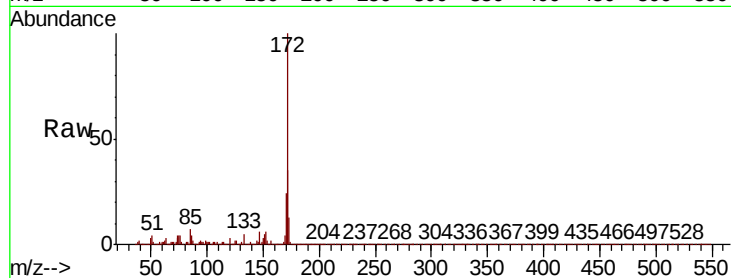




#45  
2-Fluorobiphenyl  
Concen: 88.064 ng  
RT: 12.85 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

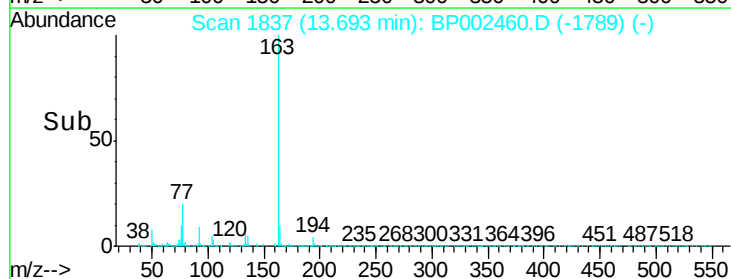
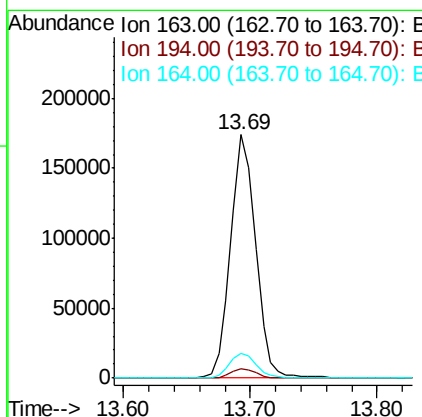
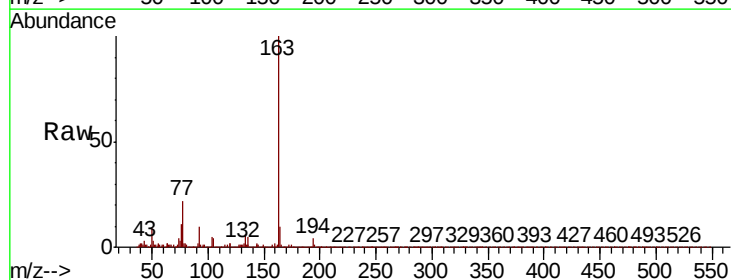
Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

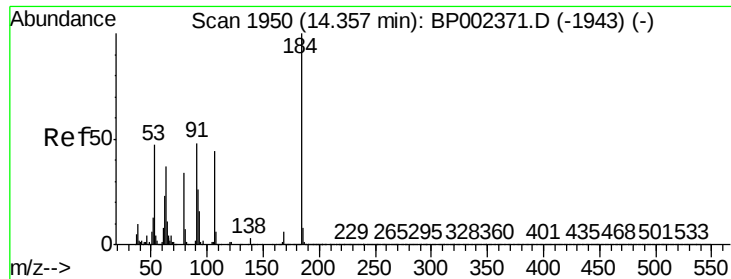
Tot Ion:172 Resp: 1924407  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.8 41.8  
170 23.9 19.0 28.6



#50  
Dimethylphthalate  
Concen: 9.427 ng  
RT: 13.69 min Scan# 1837  
Delta R.T. -0.02 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Tgt Ion:163 Resp: 237339  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.0  
164 9.9 8.1 12.1

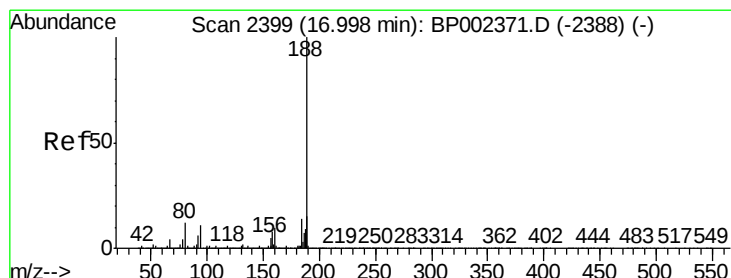
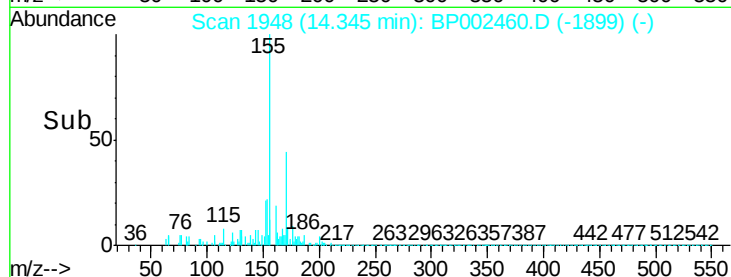
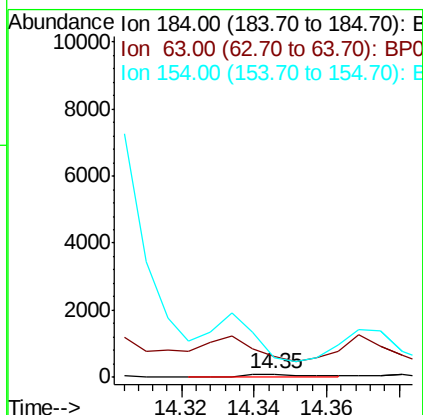
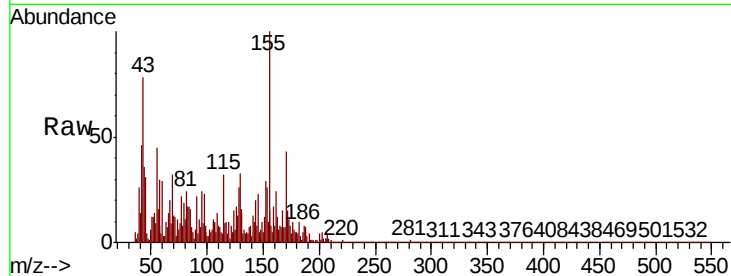




#54  
2,4-Dinitrophenol  
Concen: 2.825 ng  
RT: 14.35 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

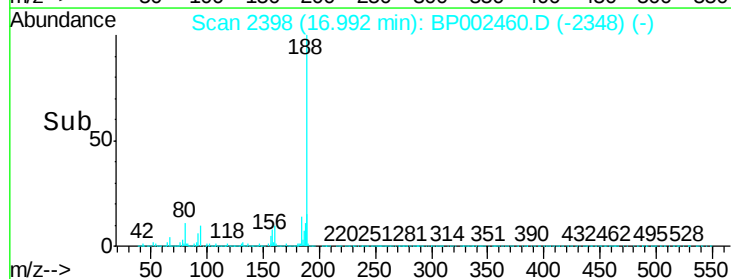
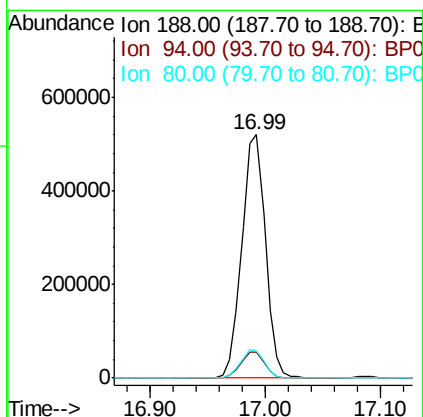
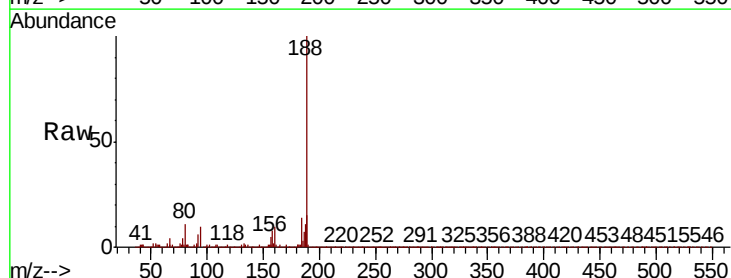
Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

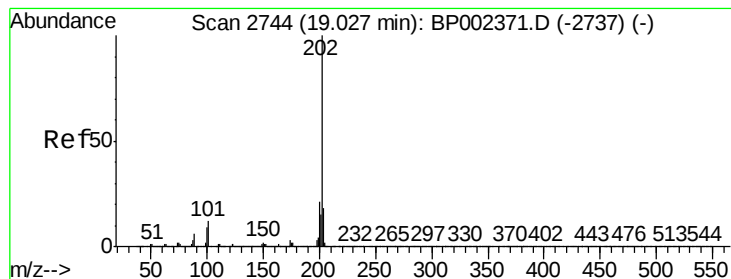
Tot Ion:184 Resp: 132  
Ion Ratio Lower Upper  
184 100  
63 695.5 52.3 78.5#  
154 683.0 48.6 72.8#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2398  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Tgt Ion:188 Resp: 739442  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 11.0 9.4 14.0





#75

Fluoranthene

Concen: 9.637 ng

RT: 19.02 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

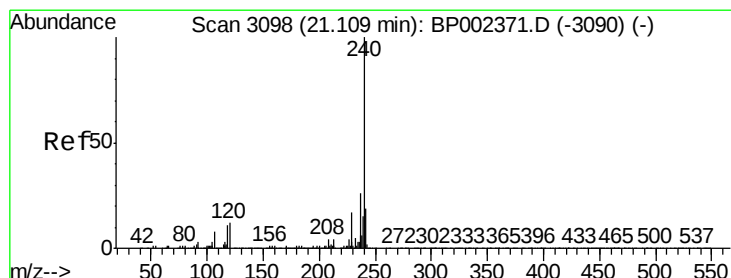
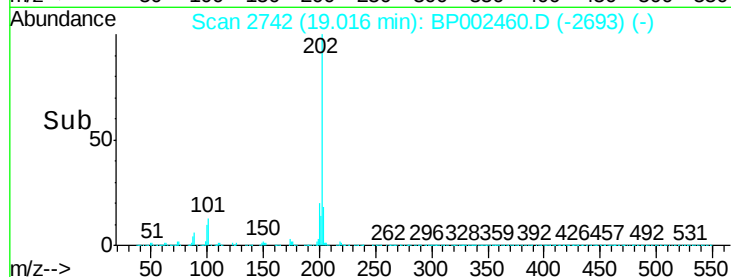
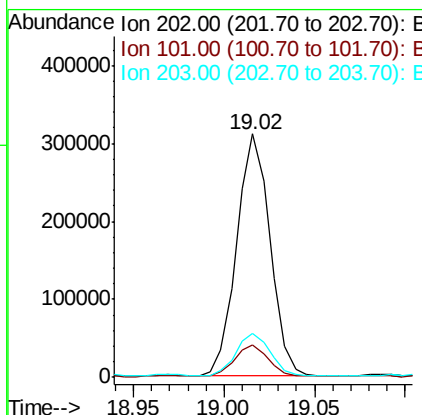
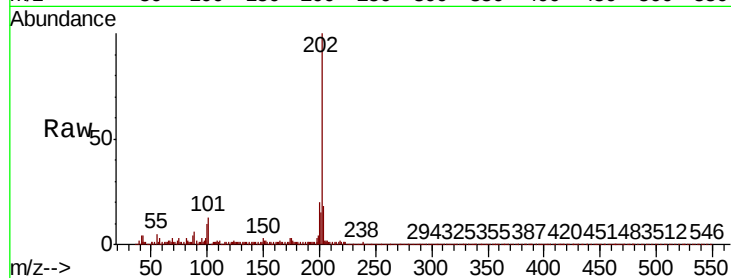
Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 397910 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 13.5  | 0.0   | 31.8   |
| 203      | 18.0  | 0.0   | 38.0   |



#76

Chrysene-d12

Concen: 20.000 ng

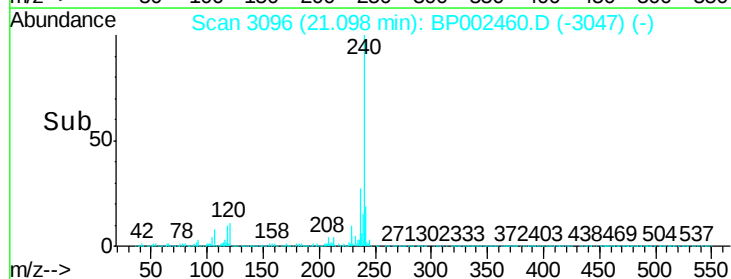
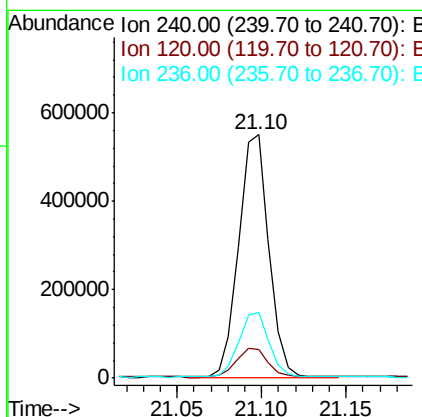
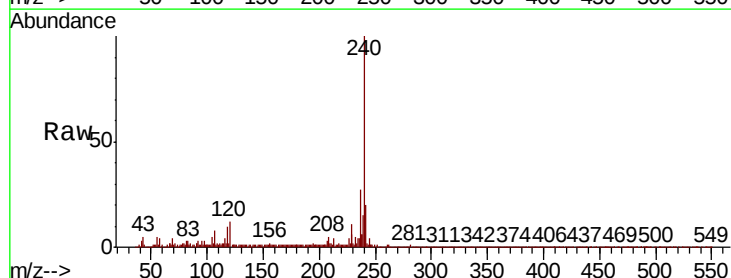
RT: 21.10 min Scan# 3096

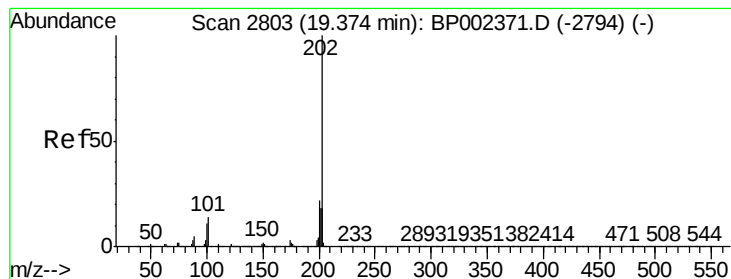
Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 683546 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 11.8  | 9.3   | 13.9   |
| 236      | 27.0  | 21.0  | 31.6   |





#78

Pvrene

Concen: 10.541 ng

RT: 19.37 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

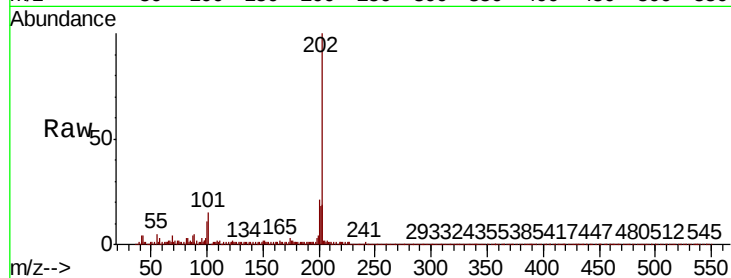
Tot Ion:202 Resp: 441349

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

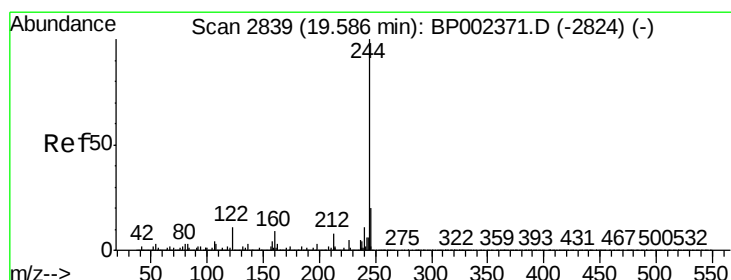
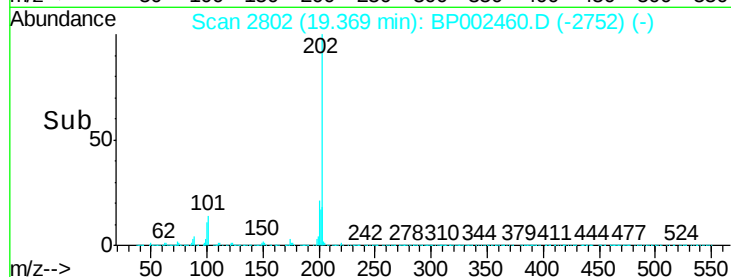
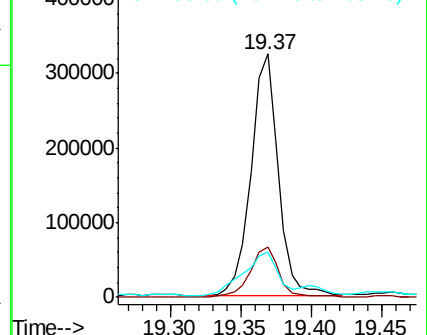
203 18.7 14.6 22.0



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: 94.463 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

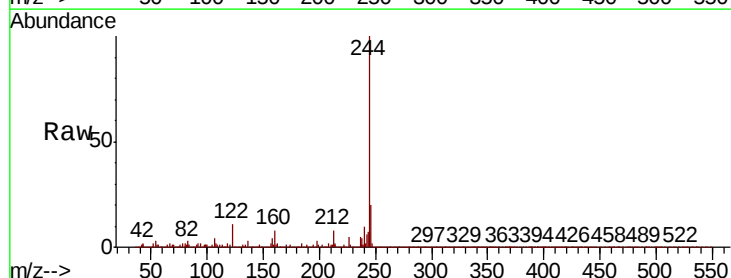
Tgt Ion:244 Resp: 2429917

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

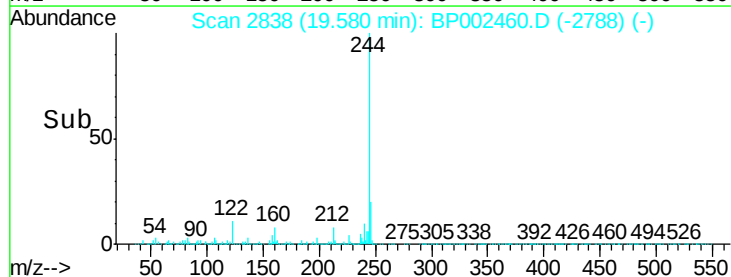
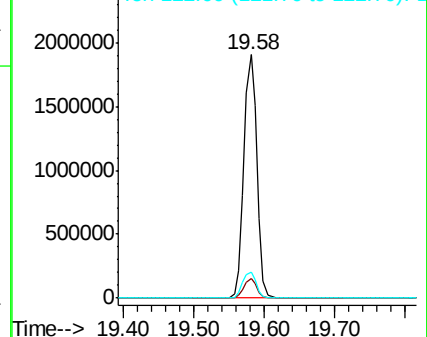
122 10.6 8.8 13.2

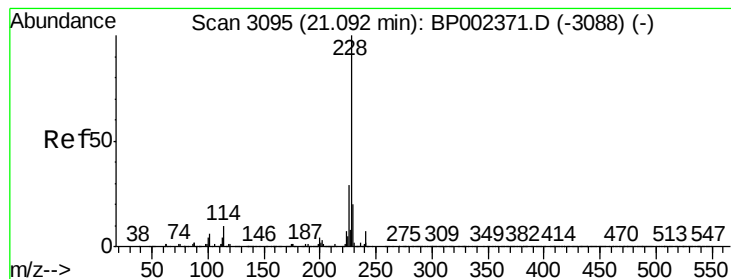


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 13.136 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

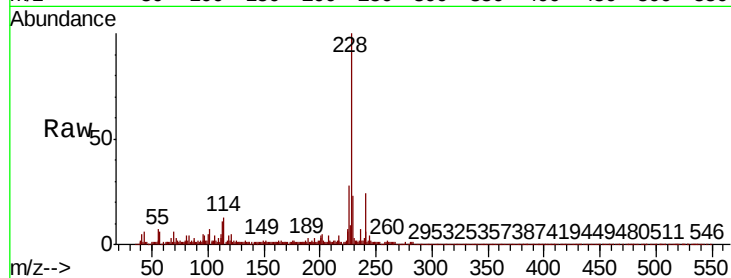
Tot Ion:228 Resp: 512506

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

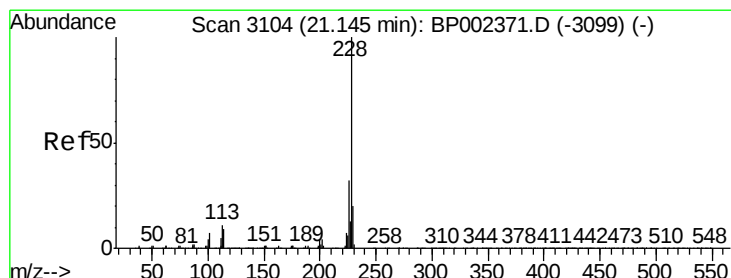
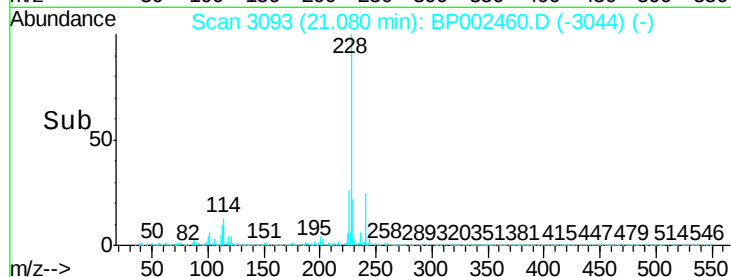
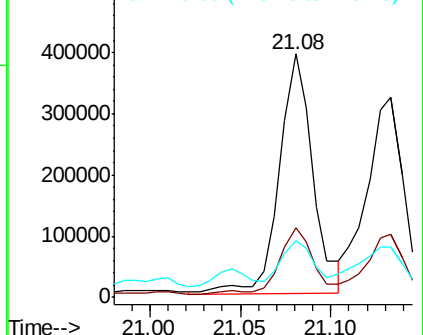
229 23.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 13.864 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.06 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

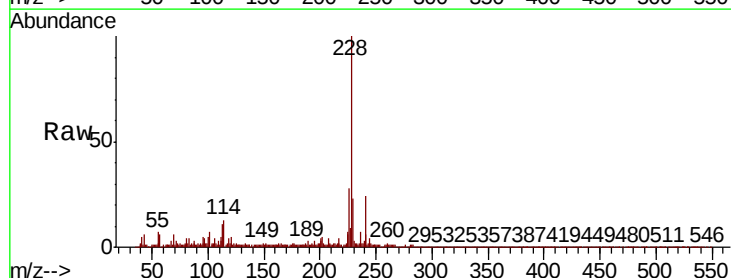
Tgt Ion:228 Resp: 512506

Ion Ratio Lower Upper

228 100

226 28.5 25.2 37.8

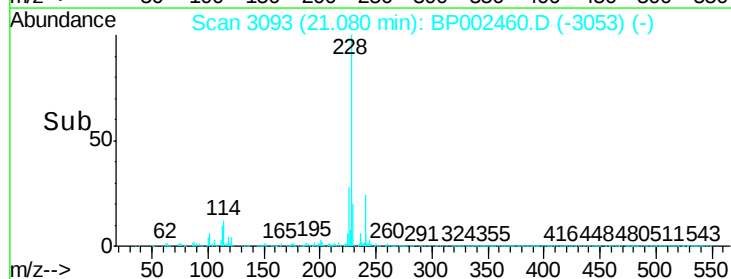
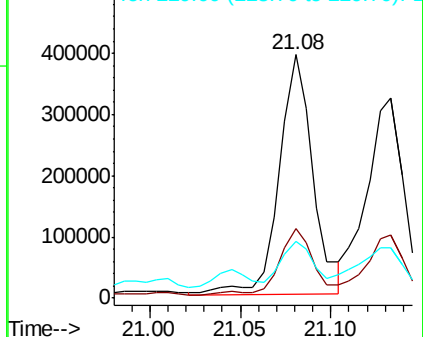
229 23.2 16.1 24.1

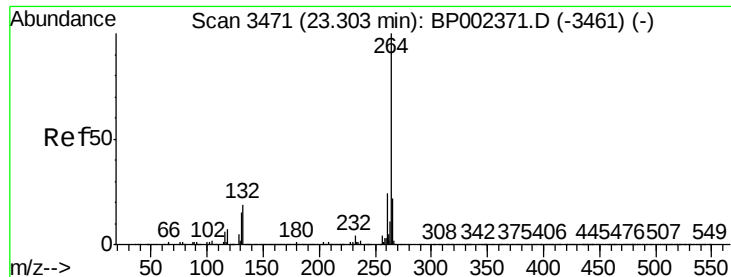


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



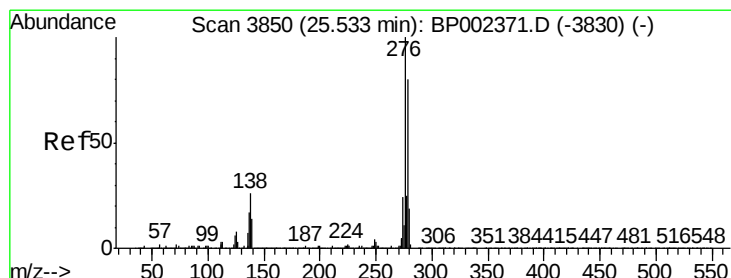
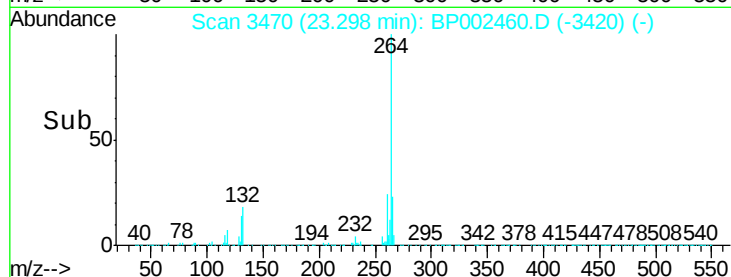
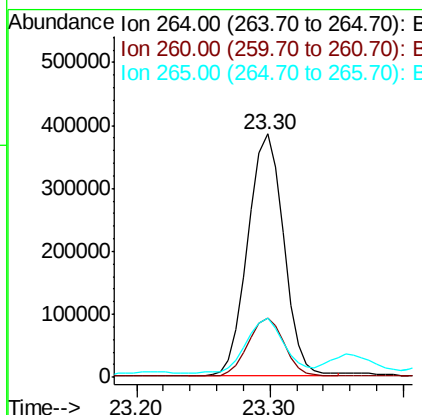
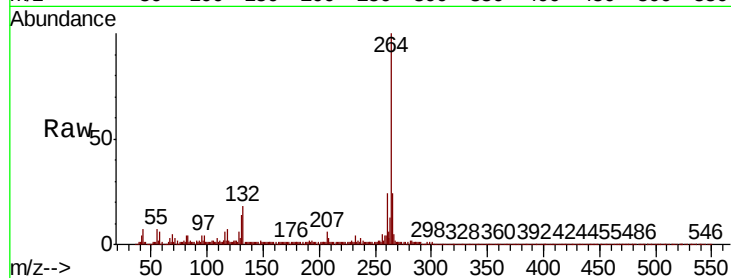


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.30 min Scan# 3470  
Delta R.T. -0.01 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Instrument :  
BNA\_P  
ClientSampleId :  
AMITY-ST-ENTRANCE

Tot Ion:264 Resp: 717100  

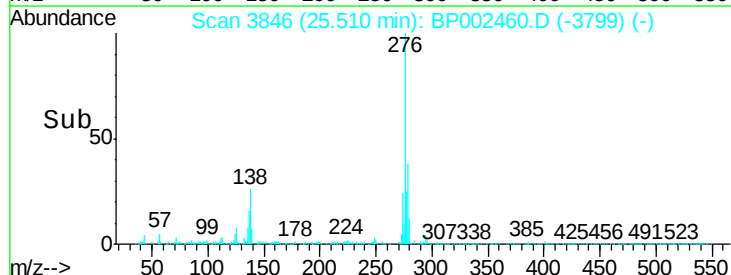
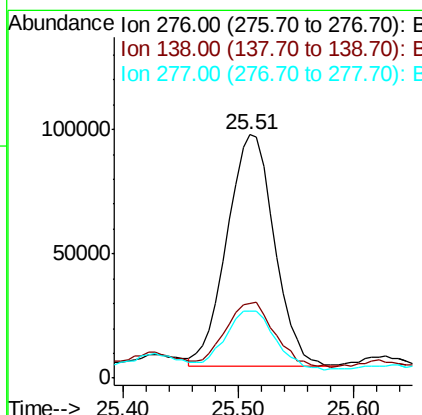
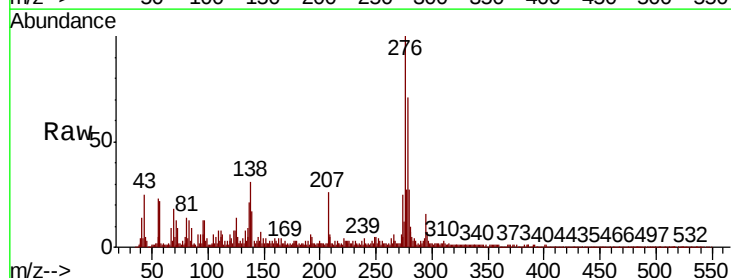
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 19.4  | 29.0  |
| 265 | 24.5  | 17.4  | 26.2  |

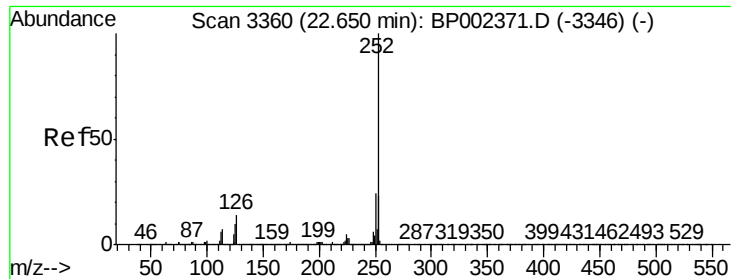


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 5.954 ng  
RT: 25.51 min Scan# 3846  
Delta R.T. -0.02 min  
Lab File: BP002460.D  
Acq: 19 Jun 2020 16:01

Tgt Ion:276 Resp: 267046  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 28.7  | 21.2  | 31.8  |
| 277 | 26.4  | 20.3  | 30.5  |





#88

Benzo(b)fluoranthene

Concen: 14.286 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

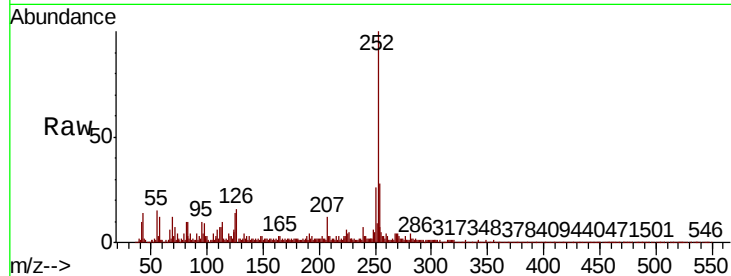
Tot Ion:252 Resp: 552446

Ion Ratio Lower Upper

252 100

253 28.1 18.1 27.1#

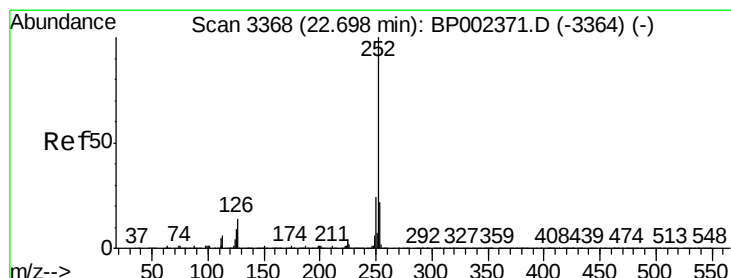
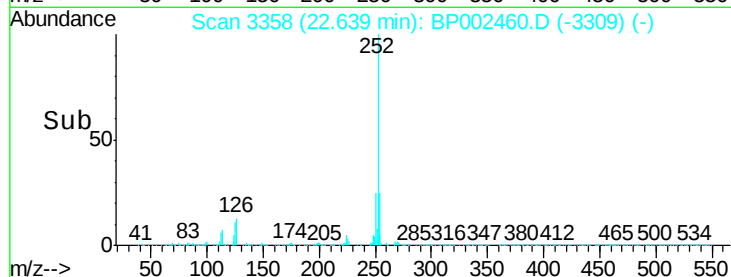
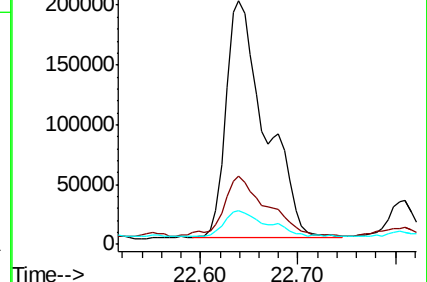
125 14.0 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 15.035 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.06 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

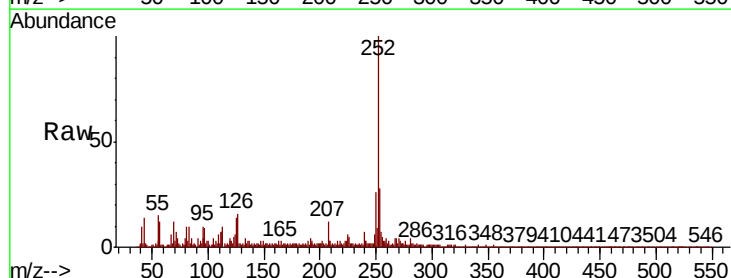
Tgt Ion:252 Resp: 552446

Ion Ratio Lower Upper

252 100

253 28.1 17.8 26.6#

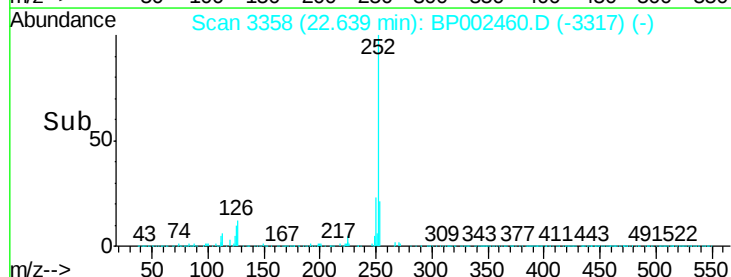
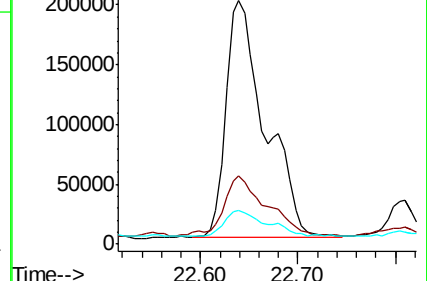
125 14.0 7.8 11.8#

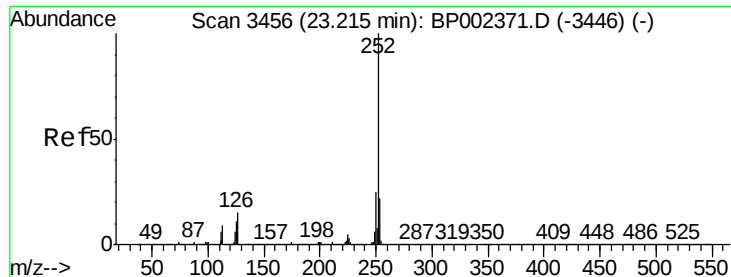


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 16.866 ng

RT: 23.20 min Scan# 3453

Delta R.T. -0.02 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

Instrument :

BNA\_P

ClientSampleId :

AMITY-ST-ENTRANCE

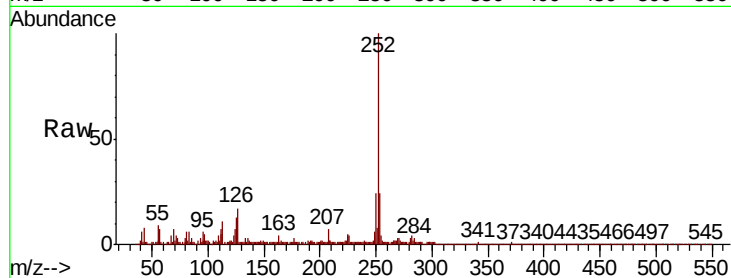
Tot Ion:252 Resp: 611202

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

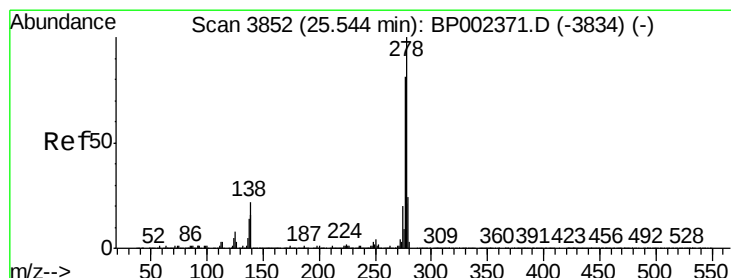
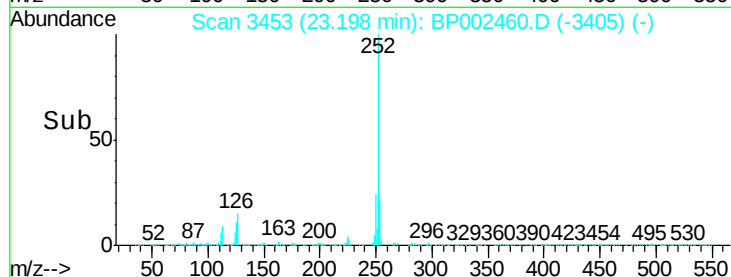
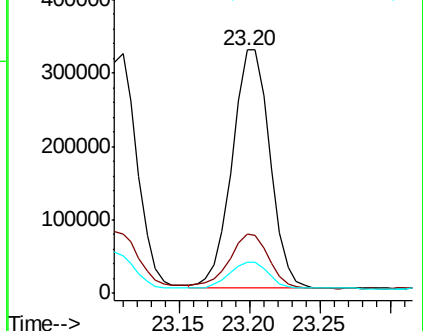
125 12.9 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 5.833 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.03 min

Lab File: BP002460.D

Acq: 19 Jun 2020 16:01

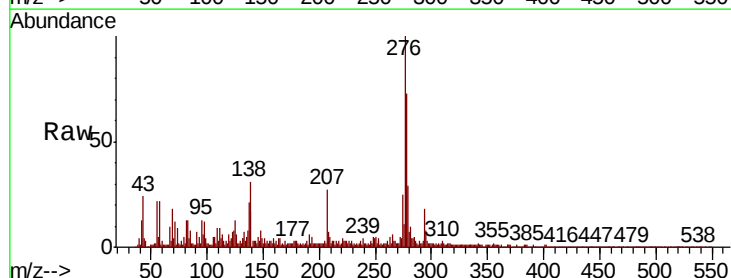
Tgt Ion:278 Resp: 209852

Ion Ratio Lower Upper

278 100

139 23.6 13.1 19.7#

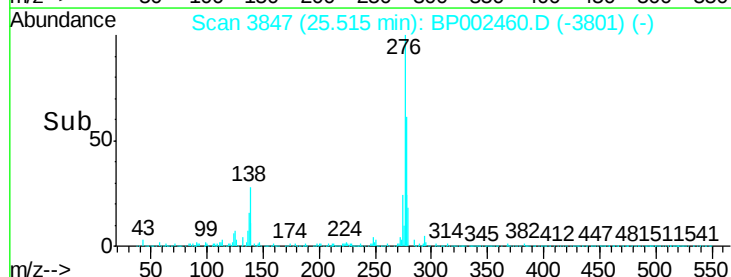
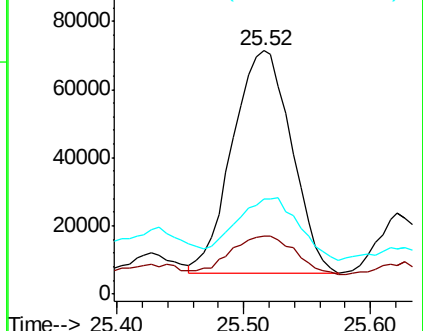
279 38.9 18.9 28.3#

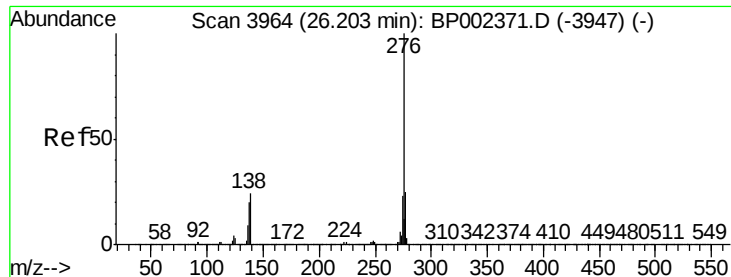


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

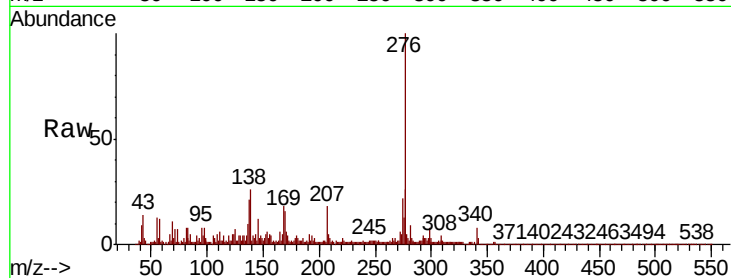




#92  
 Benzo(a,h,i)perylene  
 Concen: 10.756 ng  
 RT: 26.19 min Scan# 3961  
 Delta R.T. -0.02 min  
 Lab File: BP002460.D  
 Acq: 19 Jun 2020 16:01

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AMITY-ST-ENTRANCE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.2  | 19.8  | 29.6  |
| 138     | 25.9  | 19.2  | 28.8  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

