

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP050520\  
 Data File : BP002245.D  
 Acq On : 05 May 2020 19:52  
 Operator : CG/JU  
 Sample : L2483-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: May 06 01:06:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP050420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 13:34:25 2020  
 Response via : Initial Calibration

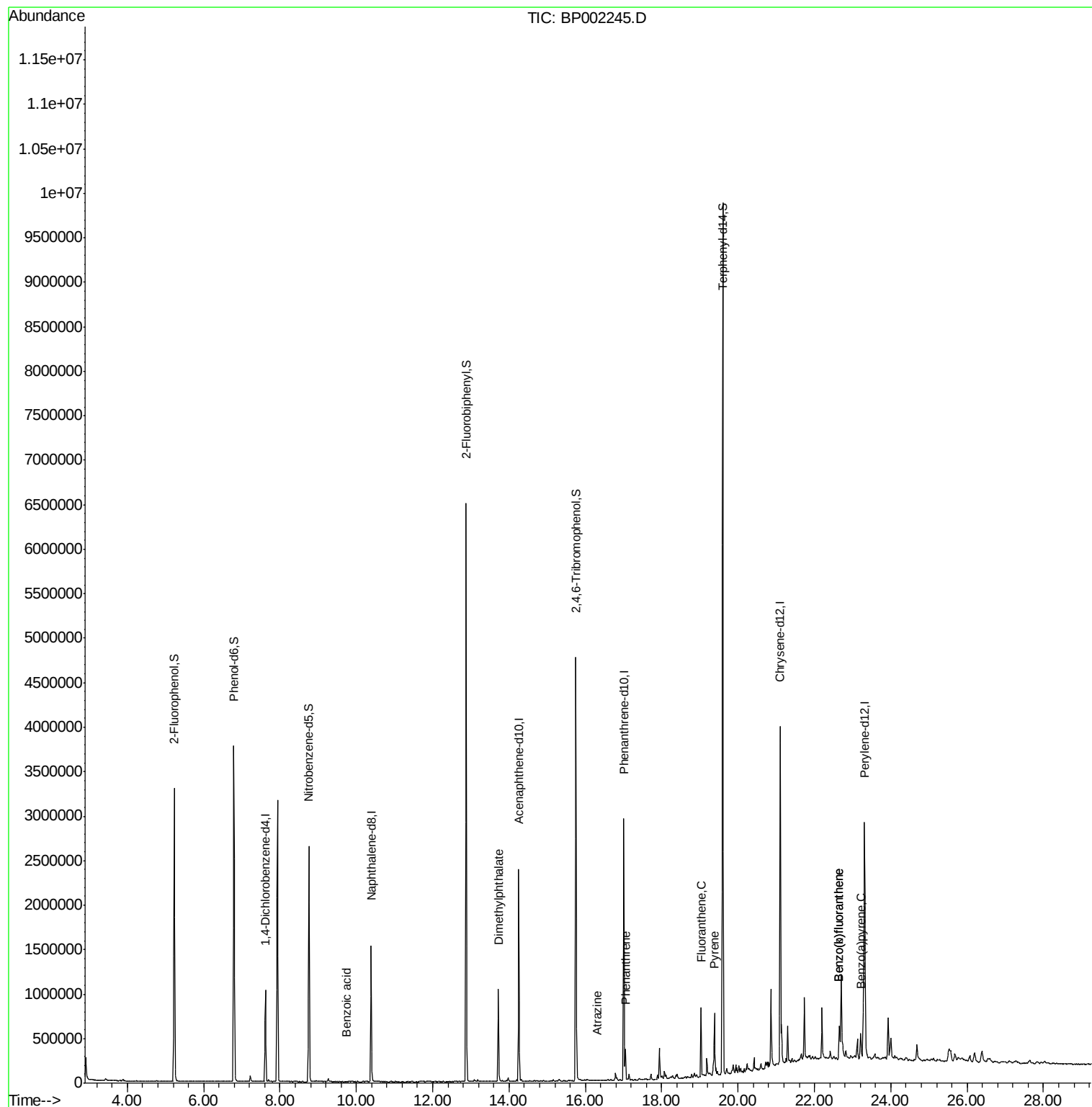
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 271738   | 20.00     | ng    | 0.00       |
| 21) Naphthalene-d8             | 10.39 | 136  | 1230641  | 20.00     | ng    | 0.00       |
| 39) Acenaphthene-d10           | 14.26 | 164  | 781549   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 17.01 | 188  | 1705220  | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 21.11 | 240  | 1749466  | 20.00     | ng    | 0.00       |
| 87) Perylene-d12               | 23.31 | 264  | 1808985  | 20.00     | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.23  | 112  | 1474510  | 89.52     | ng    | 0.00       |
| 7) Phenol-d6                   | 6.79  | 99   | 2243771  | 92.73     | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 8.76  | 82   | 1499369  | 62.92     | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol       | 15.75 | 330  | 816433   | 98.70     | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 12.87 | 172  | 3363555  | 60.27     | ng    | 0.00       |
| 79) Terphenyl-d14              | 19.60 | 244  | 4825811  | 67.60     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.79  | 77   | 4502     | Below Cal |       | Qvalue # 8 |
| 32) Benzoic acid               | 9.74  | 122  | 13       | 6.345 ng  |       | # 1        |
| 50) Dimethylphthalate          | 13.72 | 163  | 649897   | 10.550 ng |       | 99         |
| 61) 4-Chlorophenyl-phenylether | 15.32 | 204  | 981      | Below Cal |       | 95         |
| 69) Atrazine                   | 16.32 | 200  | 49       | 2.264 ng  |       | 90         |
| 71) Phenanthrene               | 17.05 | 178  | 195415   | 2.038 ng  |       | 99         |
| 75) Fluoranthene               | 19.03 | 202  | 442378   | 4.021 ng  |       | 96         |
| 77) Benzydine                  | 19.24 | 184  | 455      | Below Cal |       | # 1        |
| 78) Pyrene                     | 19.38 | 202  | 390901   | 3.289 ng  |       | 98         |
| 88) Benzo(b)fluoranthene       | 22.65 | 252  | 309407   | 2.844 ng  |       | 97         |
| 89) Benzo(k)fluoranthene       | 22.65 | 252  | 309407   | 2.777 ng  |       | 98         |
| 90) Benzo(a)pyrene             | 23.21 | 252  | 211415   | 2.019 ng  |       | 96         |

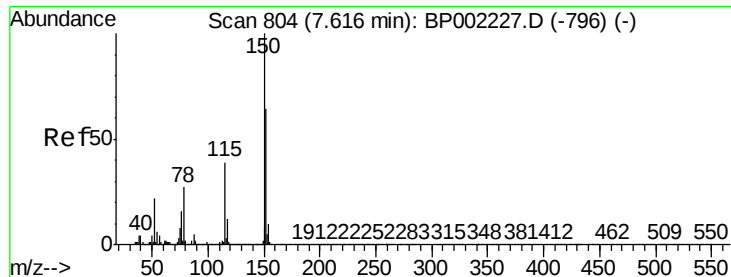
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

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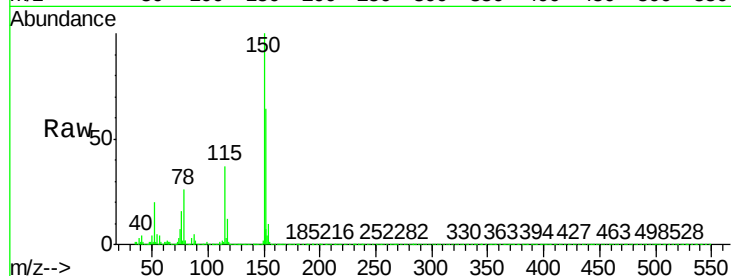


#1

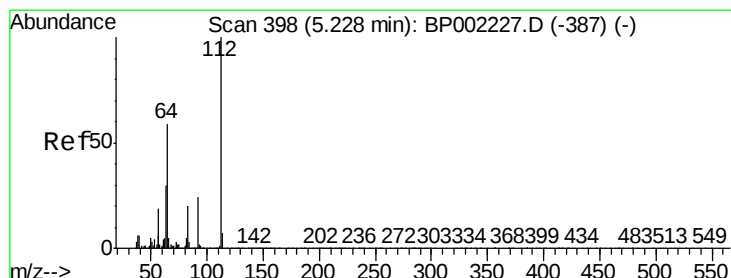
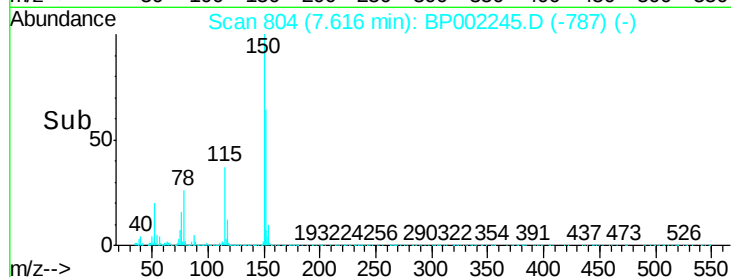
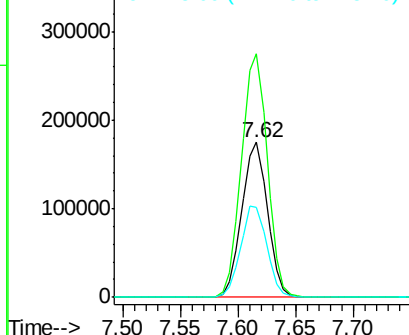
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.62 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 125.3 | 187.9 |
| 115     | 58.3  | 48.3  | 72.5  |



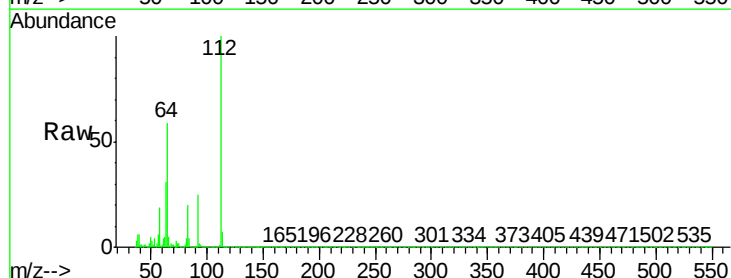
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



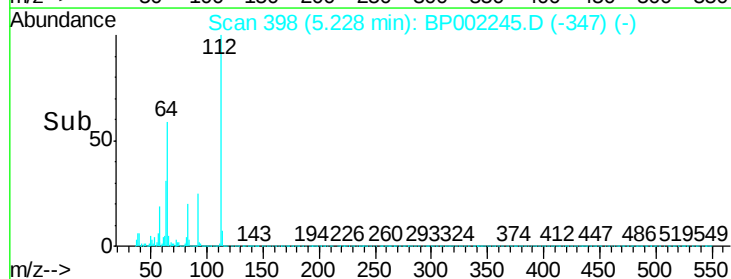
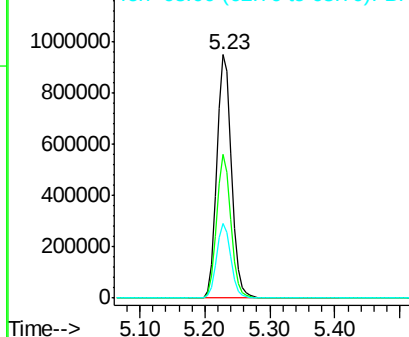
#5

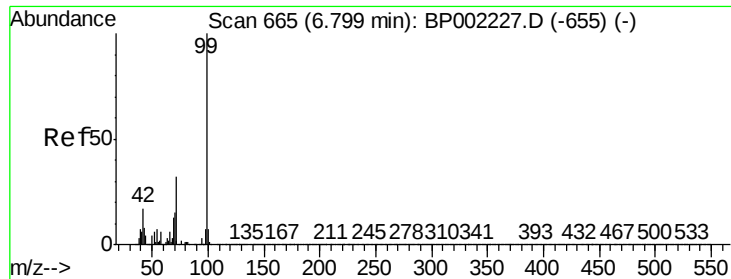
2-Fluorophenol  
Concen: 89.516 ng  
RT: 5.23 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.9  | 46.9  | 70.3  |
| 63      | 30.7  | 24.3  | 36.5  |



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: 92.732 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.00 min

Lab File: BP002245.D

Acq: 05 May 2020 19:52

Instrument :

BNA\_P

ClientSampleId :

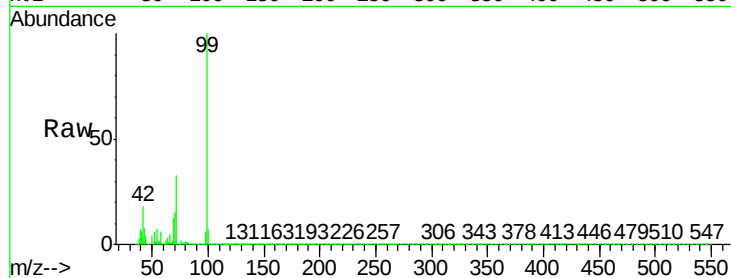
Tot Ion: 99 Resp: 2243771

Ion Ratio Lower Upper

99 100

42 17.6 14.0 21.0

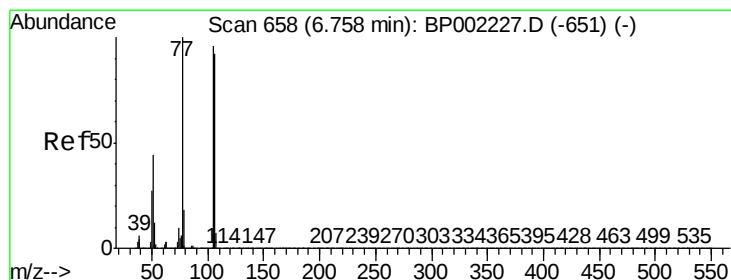
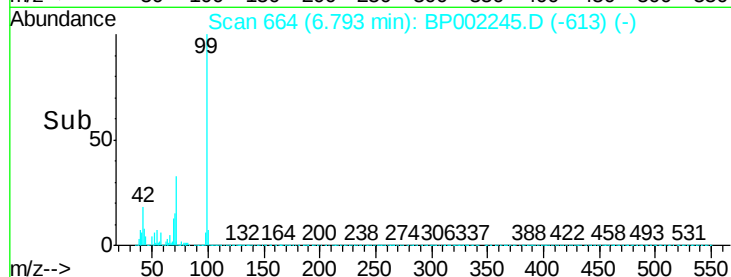
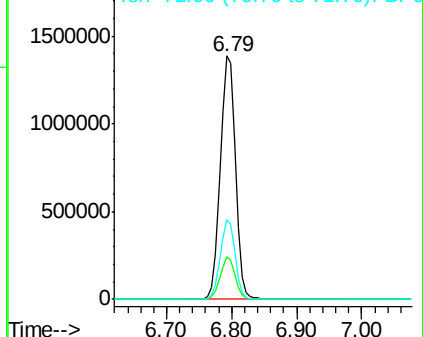
71 32.9 25.9 38.9



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.79 min Scan# 664

Delta R.T. 0.04 min

Lab File: BP002245.D

Acq: 05 May 2020 19:52

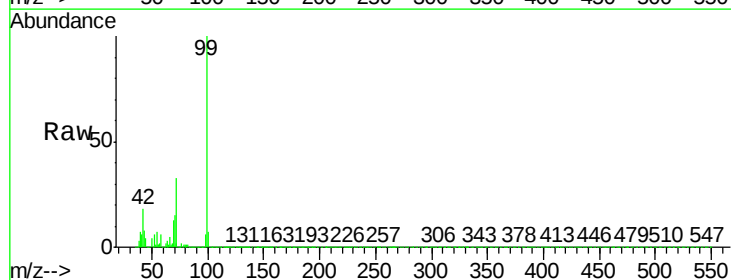
Tgt Ion: 77 Resp: 4502

Ion Ratio Lower Upper

77 100

105 4.8 76.0 116.0#

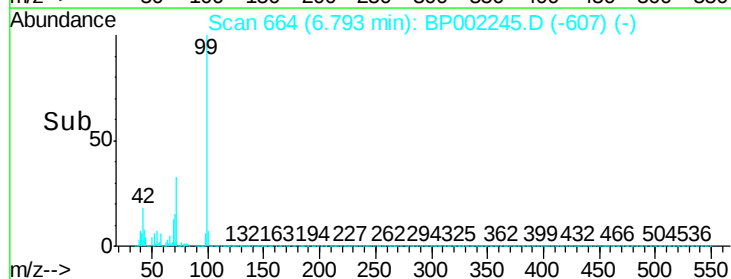
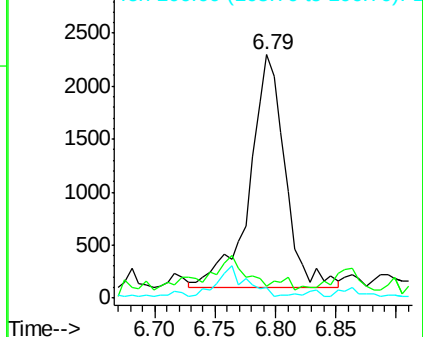
106 4.5 71.6 111.6#

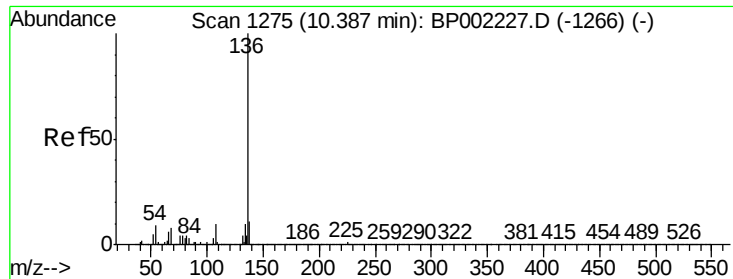


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

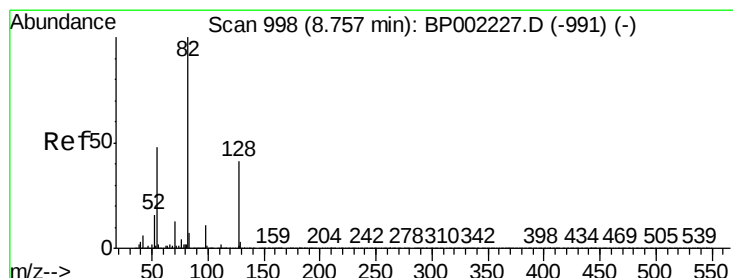
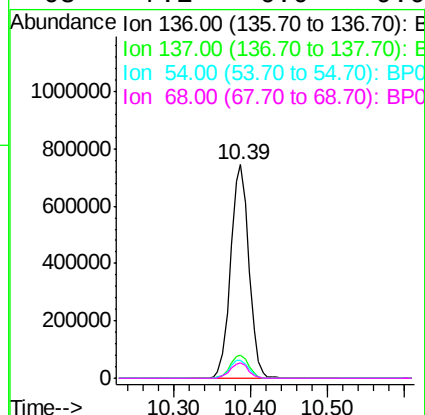
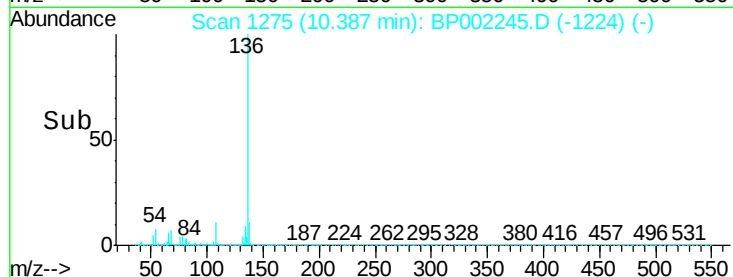
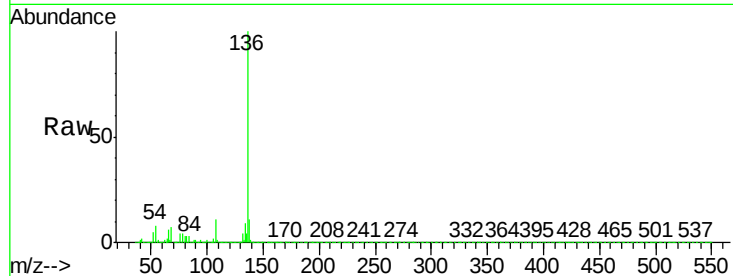




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.39 min Scan# 1275  
Delta R.T. 0.00 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

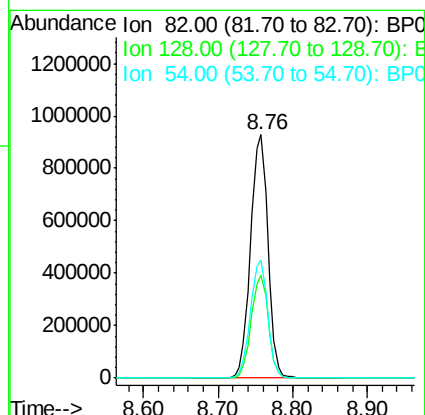
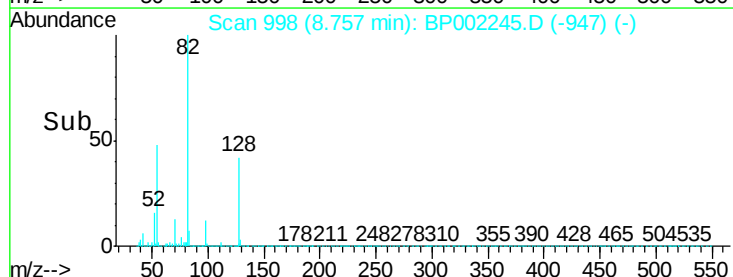
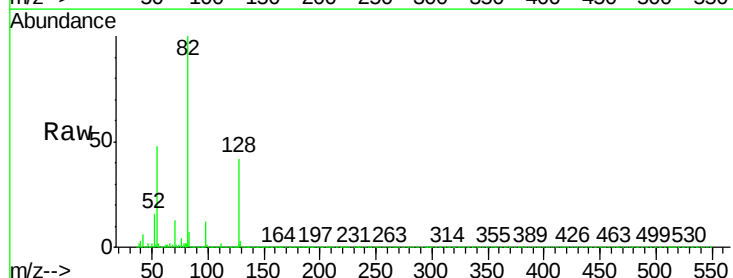
Instrument :  
BNA\_P  
ClientSampleId :

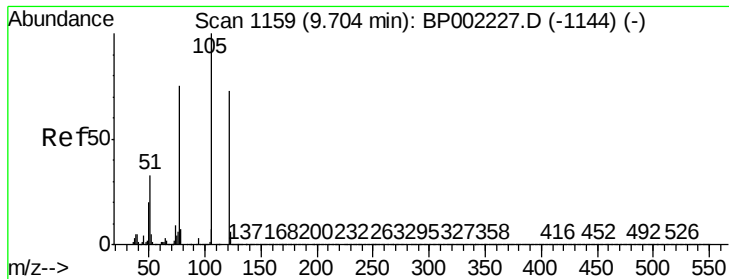
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1230641 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.0    | 9.0 13.6      |
| 54 8.3      | 7.0 10.6      |
| 68 7.1      | 6.0 9.0       |



#23  
Nitrobenzene-d5  
Concen: 62.919 ng  
RT: 8.76 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1499369 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 42.3    | 32.4 48.6     |
| 54 48.3     | 38.2 57.2     |

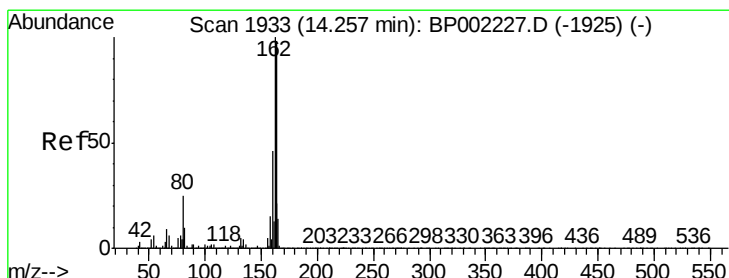
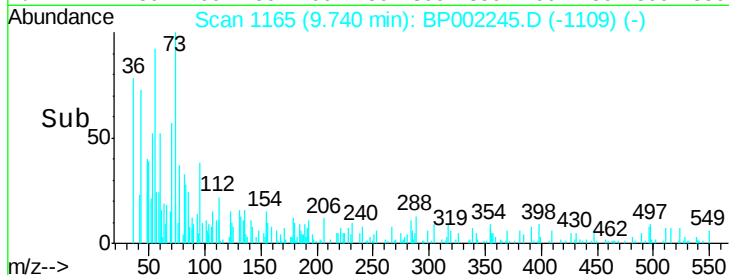
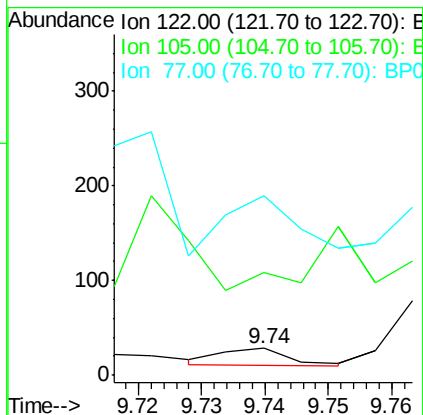
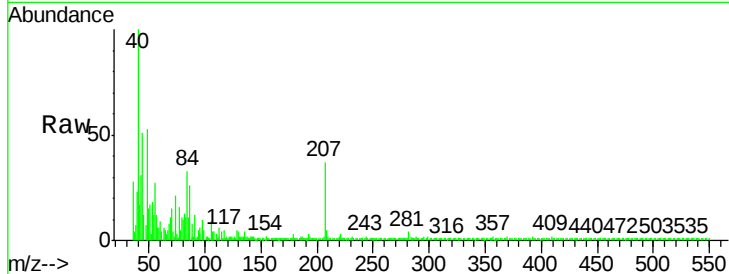




#32  
Benzoic acid  
Concen: 6.345 ng  
RT: 9.74 min Scan# 1165  
Delta R.T. 0.03 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

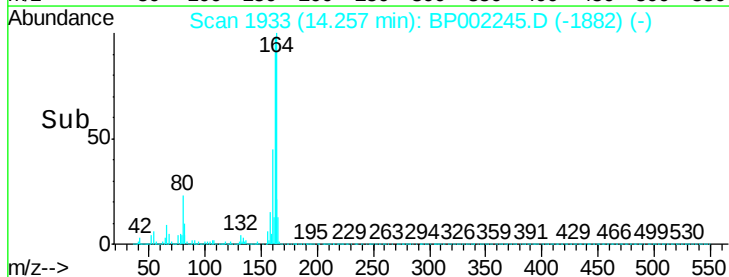
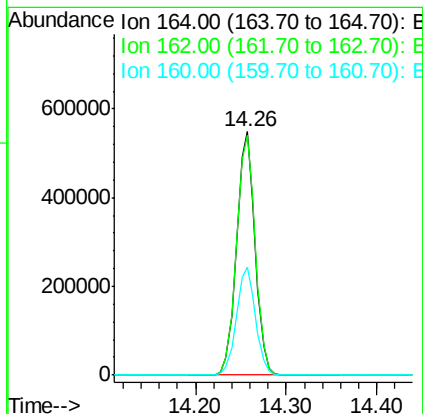
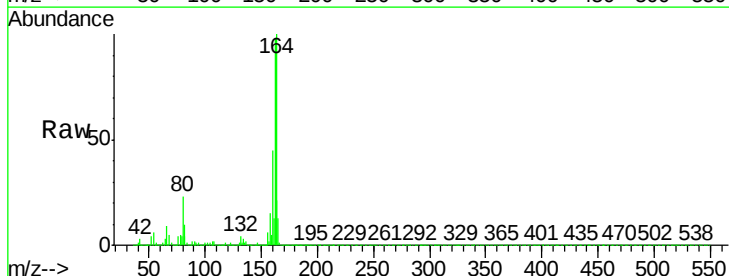
Instrument :  
BNA\_P  
ClientSampleId :

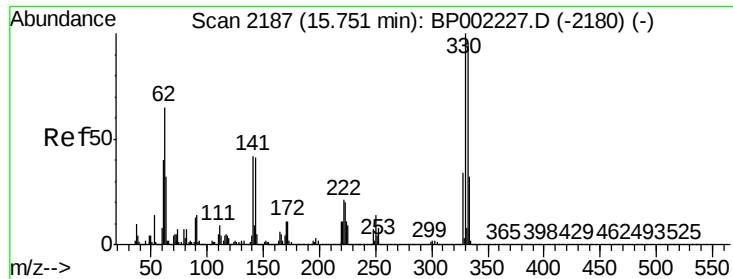
Tot Ion:122 Resp: 13  
Ion Ratio Lower Upper  
122 100  
105 385.7 108.6 148.6#  
77 675.0 79.2 119.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.26 min Scan# 1933  
Delta R.T. 0.00 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

Tgt Ion:164 Resp: 781549  
Ion Ratio Lower Upper  
164 100  
162 98.4 81.5 122.3  
160 44.6 37.3 55.9

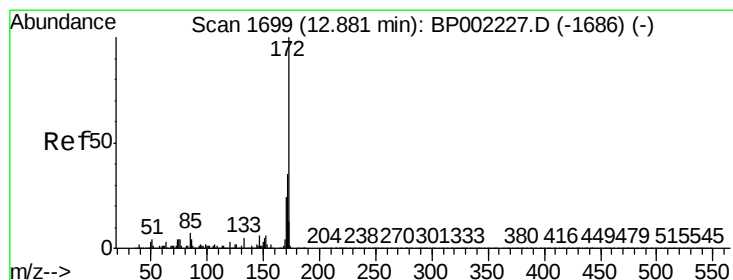
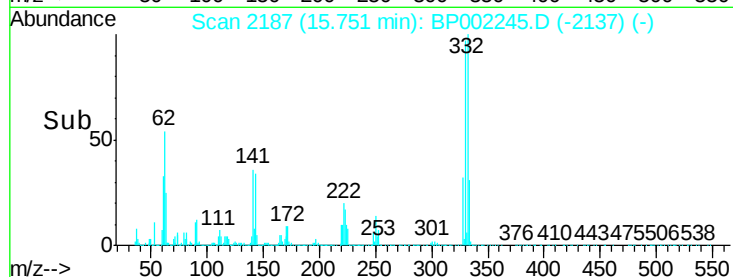
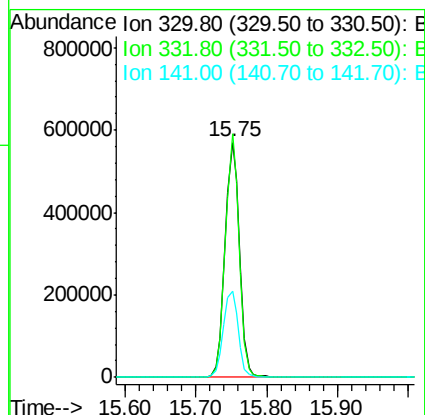
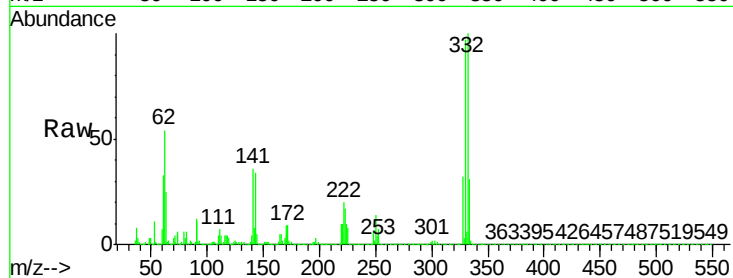




#42  
2,4,6-Tribromophenol  
Concen: 98.696 ng  
RT: 15.75 min Scan# 2187  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

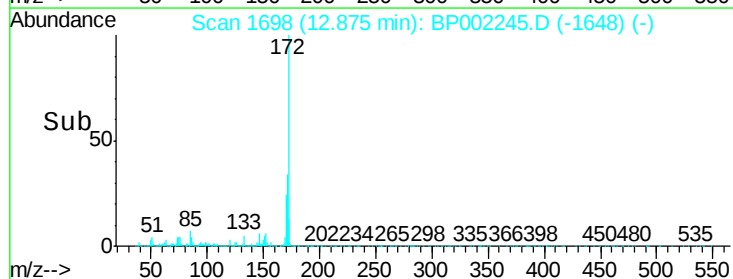
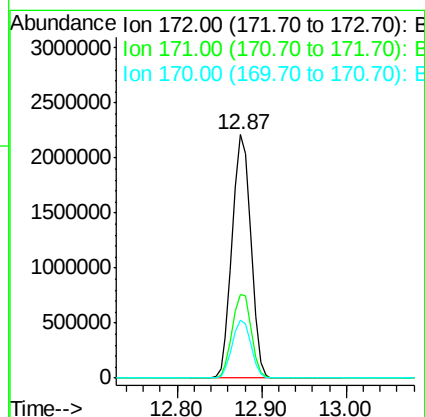
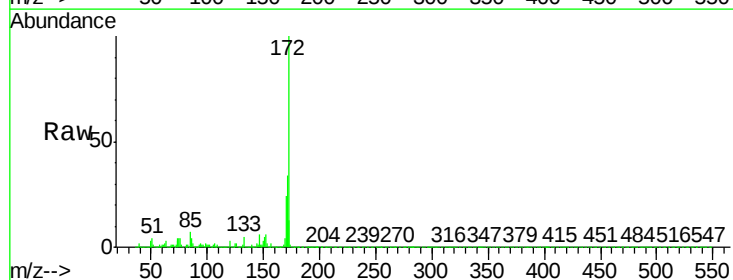
Instrument :  
BNA\_P  
ClientSampleId :

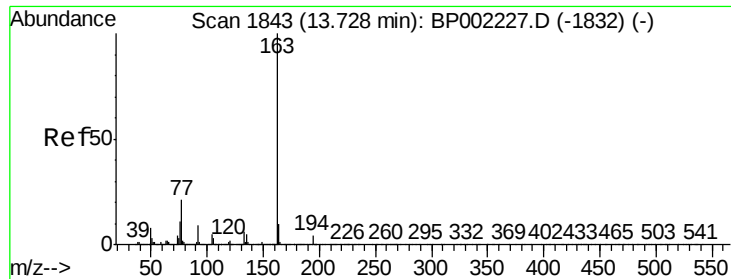
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.7  | 76.3  | 114.5 |
| 141     | 38.1  | 32.0  | 48.0  |



#45  
2-Fluorobiphenyl  
Concen: 60.269 ng  
RT: 12.87 min Scan# 1698  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 27.9  | 41.9  |
| 170     | 23.6  | 19.0  | 28.6  |

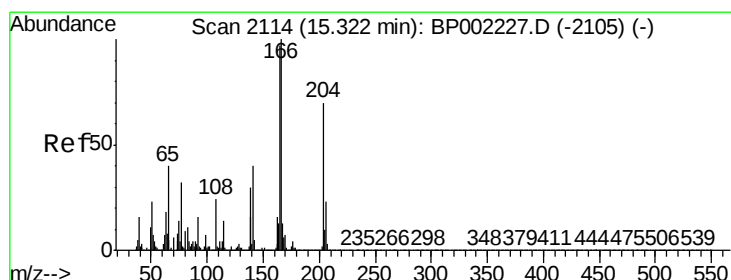
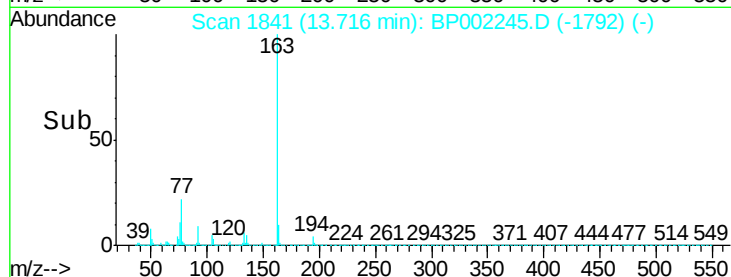
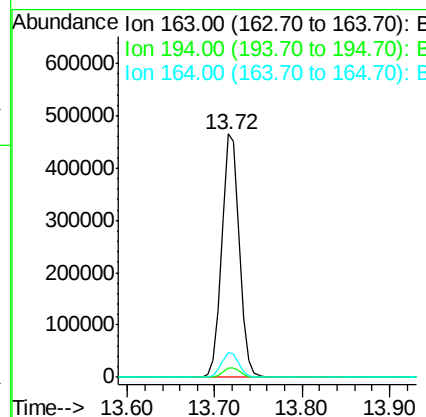
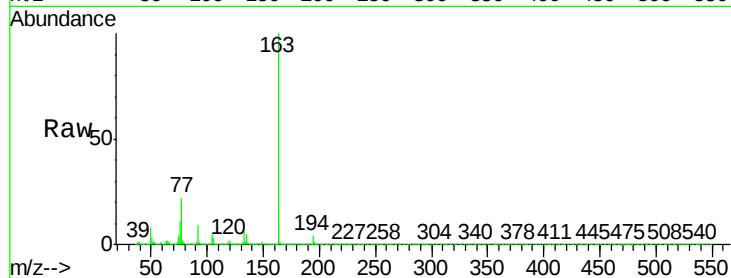




#50  
Dimethylphthalate  
Concen: 10.550 ng  
RT: 13.72 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

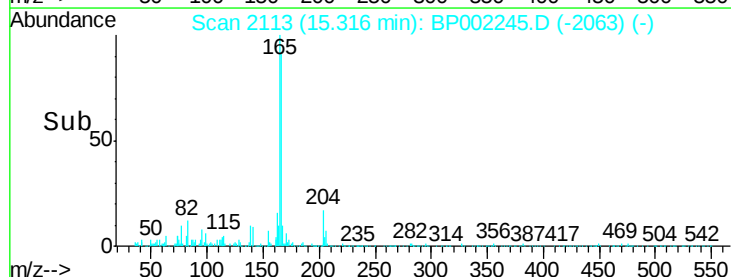
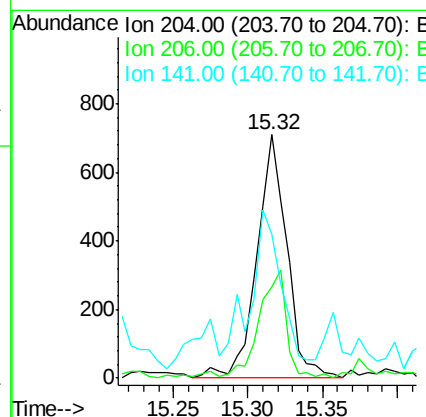
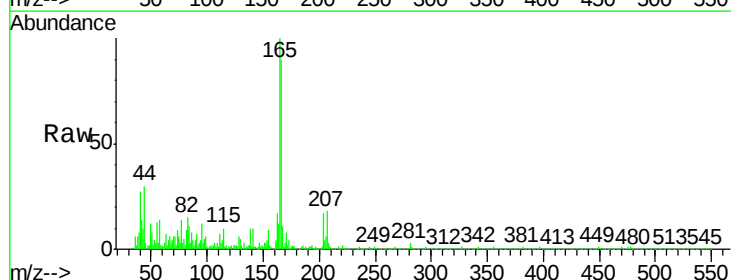
Instrument :  
BNA\_P  
ClientSampleId :

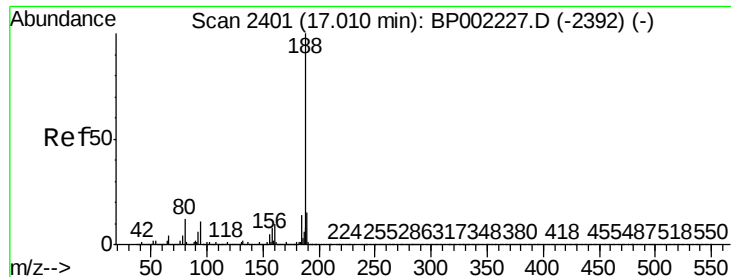
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.3   | 4.9   |
| 164     | 10.3  | 7.8   | 11.8  |



#61  
4-Chlorophenyl-phenylether  
Concen: Below Cal  
RT: 15.32 min Scan# 2113  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 37.7  | 26.2  | 39.4  |
| 141     | 59.3  | 46.2  | 69.2  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BP002245.D

Acq: 05 May 2020 19:52

Instrument :

BNA\_P

ClientSampleId :

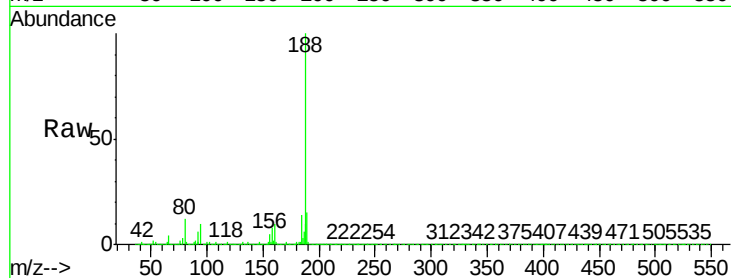
Tot Ion:188 Resp: 1705220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.4  | 9.0   | 13.4  |
| 80  | 11.7  | 9.8   | 14.6  |

188 100

94 10.4 9.0 13.4

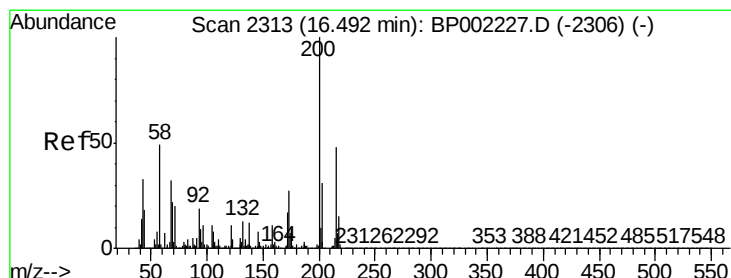
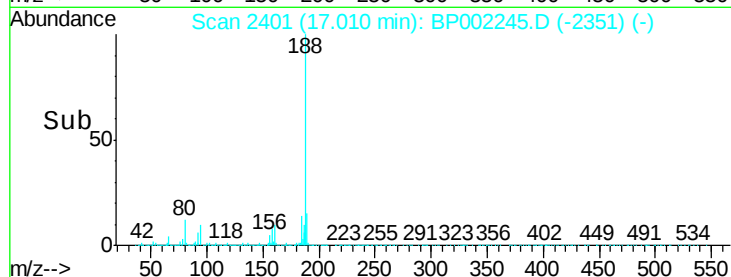
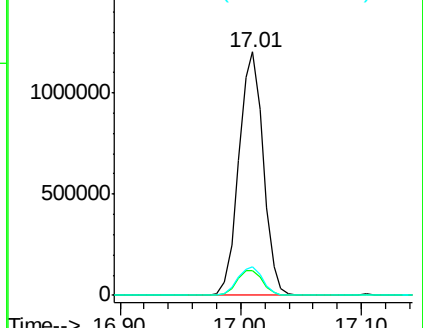
80 11.7 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#69

Atrazine

Concen: 2.264 ng

RT: 16.32 min Scan# 2283

Delta R.T. -0.18 min

Lab File: BP002245.D

Acq: 05 May 2020 19:52

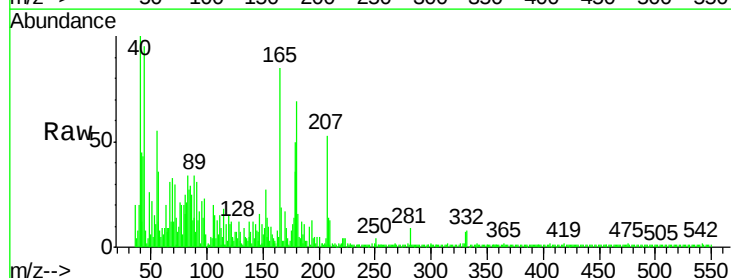
Tgt Ion:200 Resp: 49

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 30.8  | 6.6   | 46.6  |
| 215 | 40.0  | 27.7  | 67.7  |

200 100

173 30.8 6.6 46.6

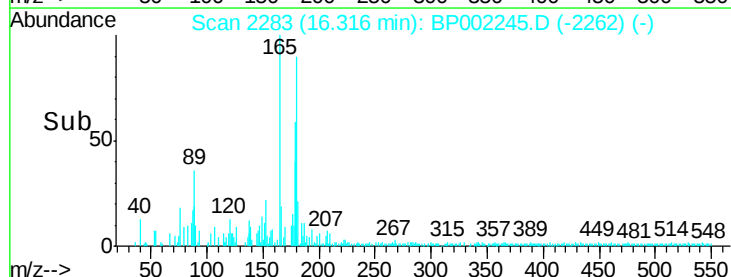
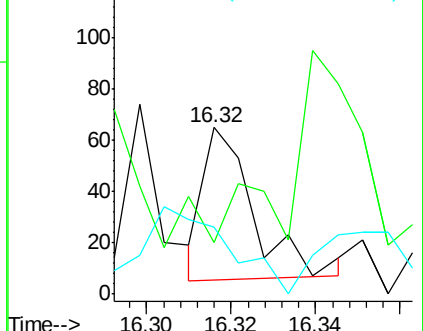
215 40.0 27.7 67.7

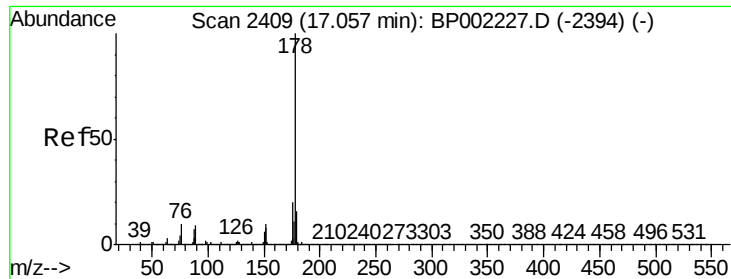


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

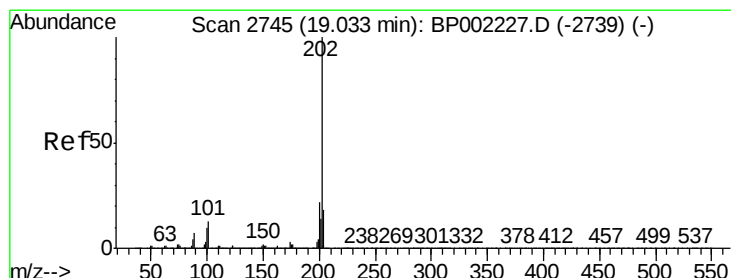
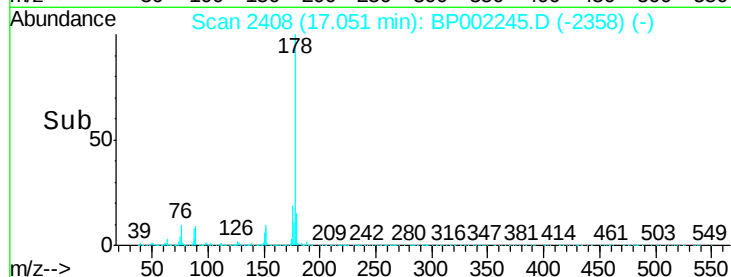
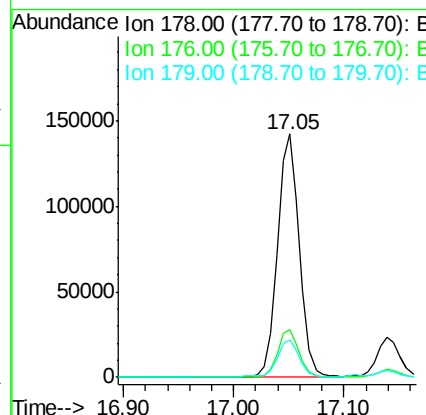
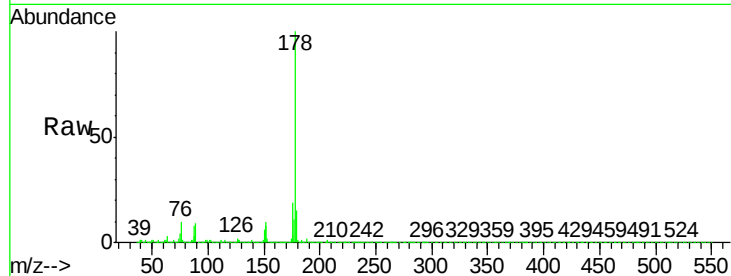




#71  
Phenanthrene  
Concen: 2.038 ng  
RT: 17.05 min Scan# 2408  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

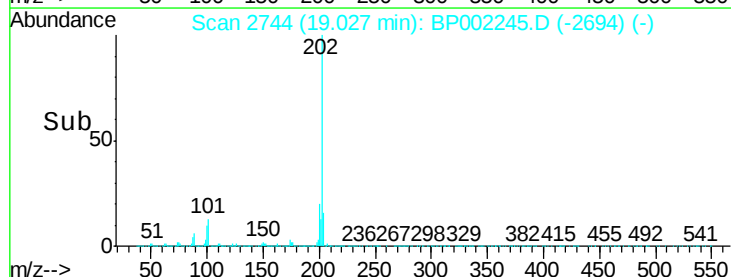
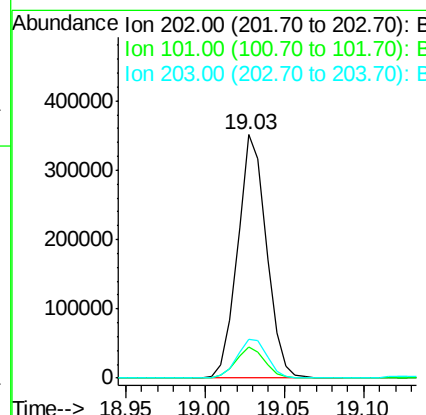
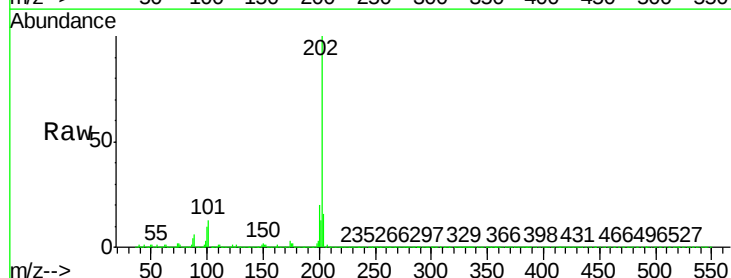
Instrument :  
BNA\_P  
ClientSampleId :

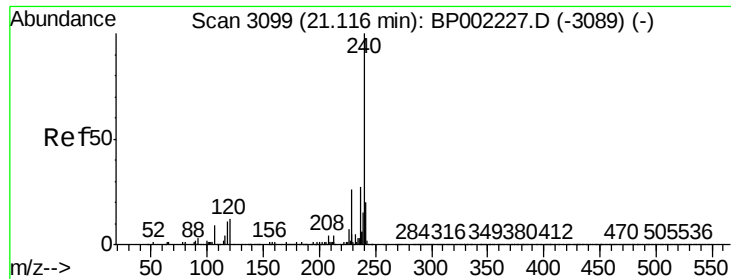
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 15.3  | 12.6  | 18.8  |



#75  
Fluoranthene  
Concen: 4.021 ng  
RT: 19.03 min Scan# 2744  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.0  | 0.0   | 33.3  |
| 203     | 15.7  | 0.0   | 38.2  |

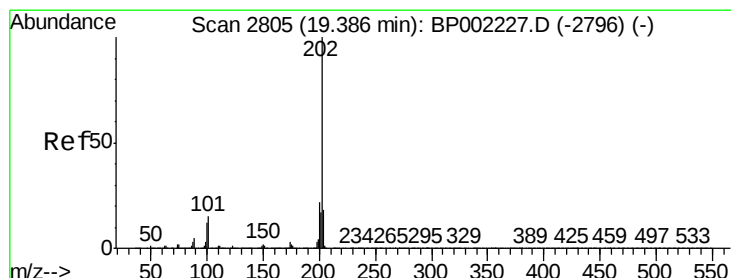
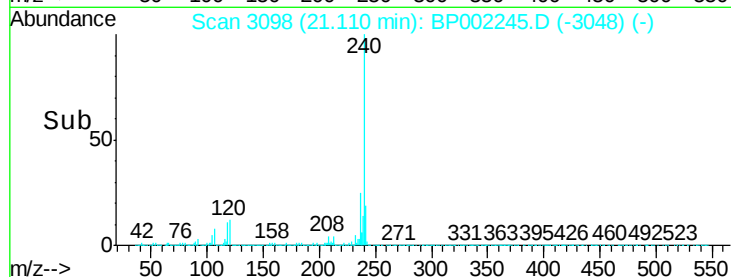
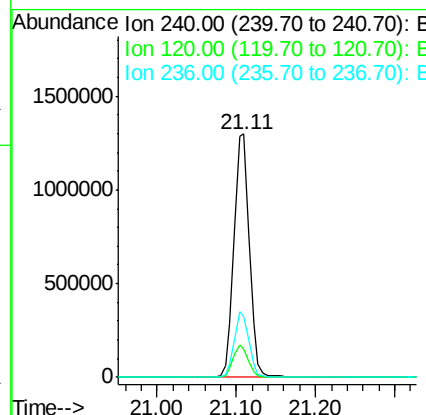
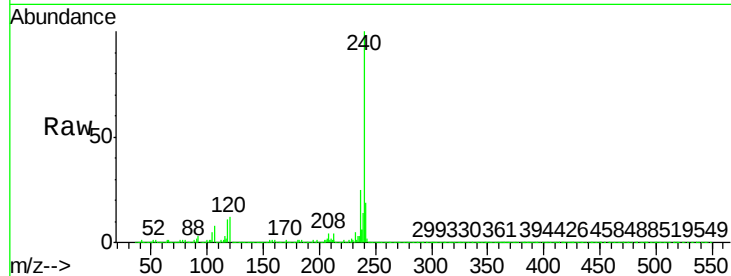




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.11 min Scan# 3098  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

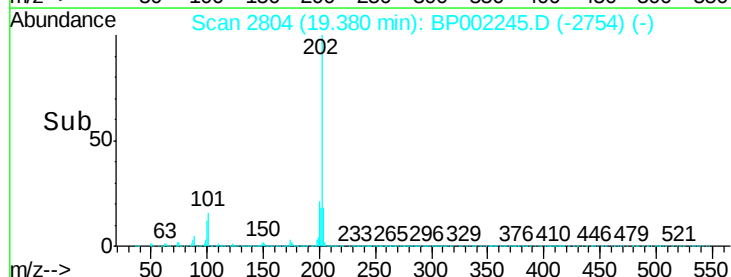
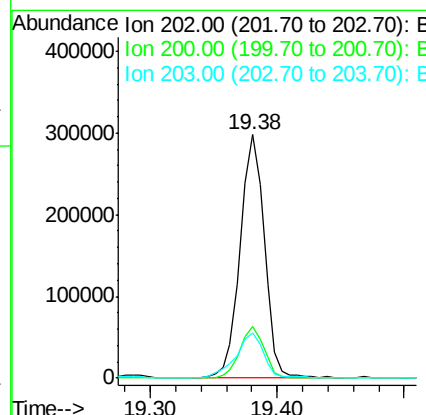
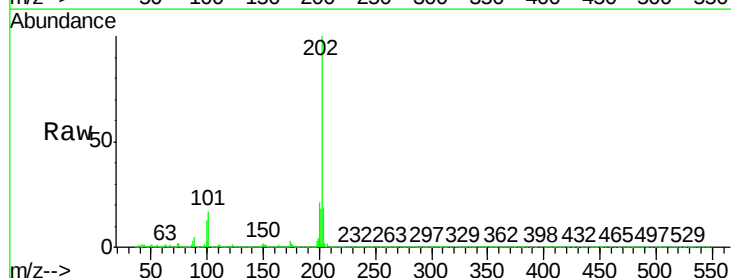
Instrument :  
BNA\_P  
ClientSampleId :

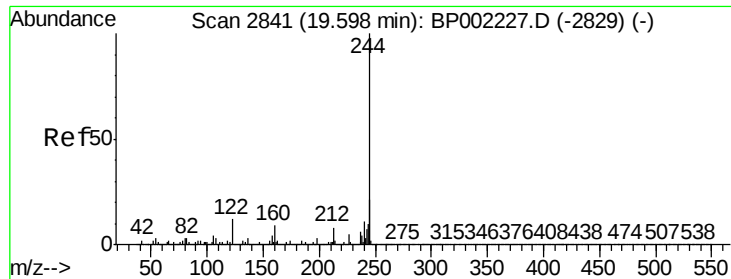
Tot Ion:240 Resp: 1749466  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.4 14.0  
236 25.0 21.8 32.6



#78  
Pyrene  
Concen: 3.289 ng  
RT: 19.38 min Scan# 2804  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

Tgt Ion:202 Resp: 390901  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.3 25.9  
203 18.6 14.2 21.2

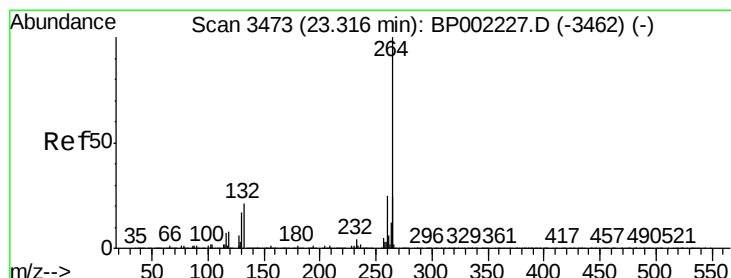
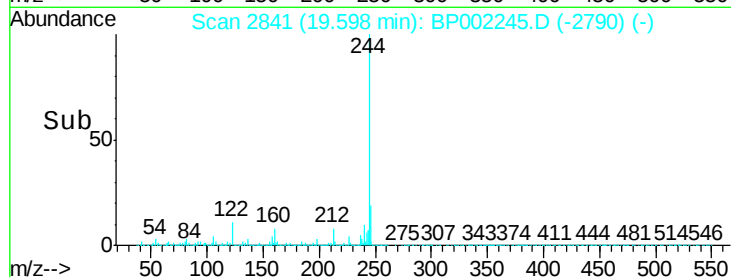
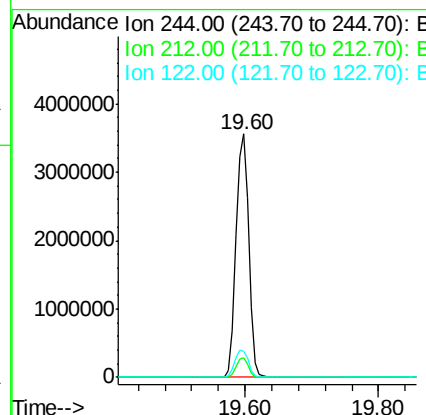
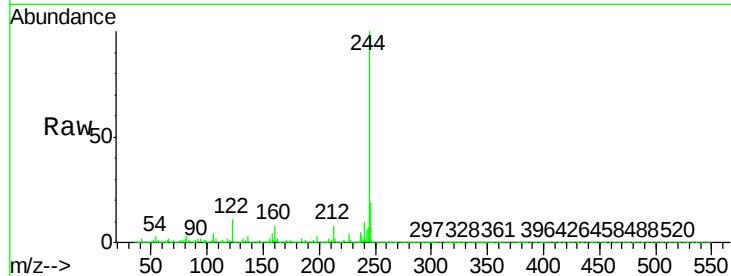




#79  
 Terphenyl-d14  
 Concen: 67.599 ng  
 RT: 19.60 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: BP002245.D  
 Acq: 05 May 2020 19:52

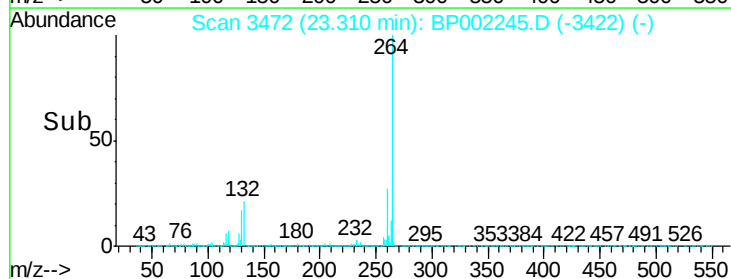
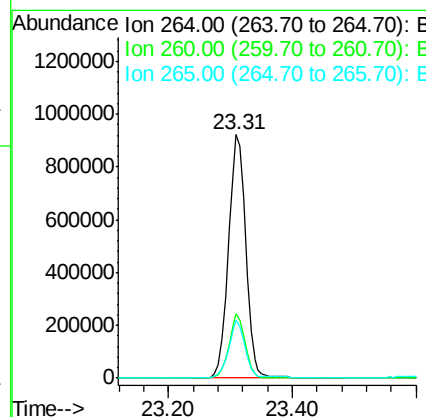
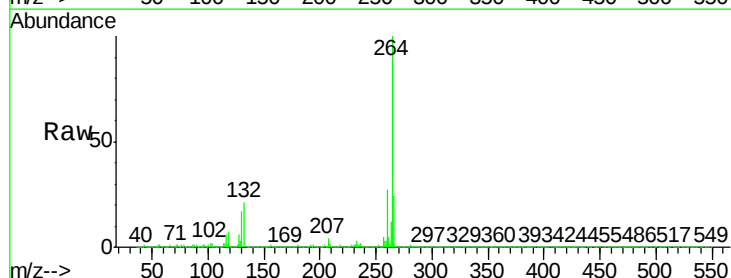
Instrument :  
 BNA\_P  
 ClientSampled :

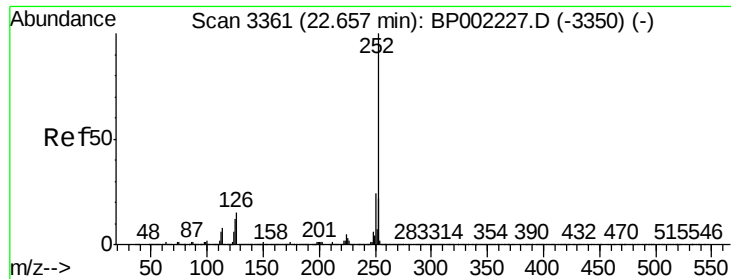
Tot Ion:244 Resp: 4825811  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.6 9.8  
 122 10.9 9.5 14.3



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.31 min Scan# 3472  
 Delta R.T. -0.01 min  
 Lab File: BP002245.D  
 Acq: 05 May 2020 19:52

Tgt Ion:264 Resp: 1808985  
 Ion Ratio Lower Upper  
 264 100  
 260 26.6 20.4 30.6  
 265 24.0 19.0 28.4

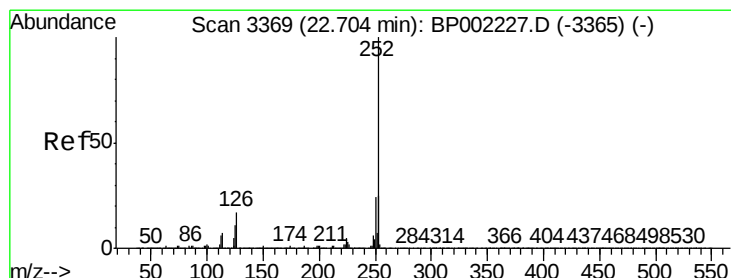
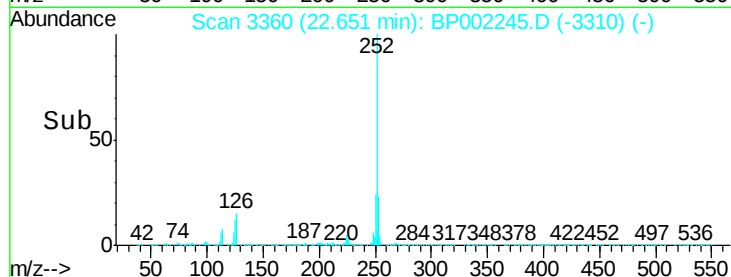
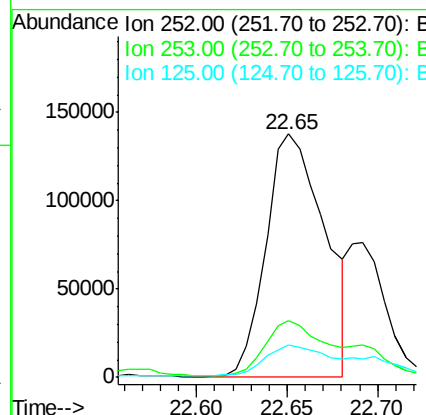
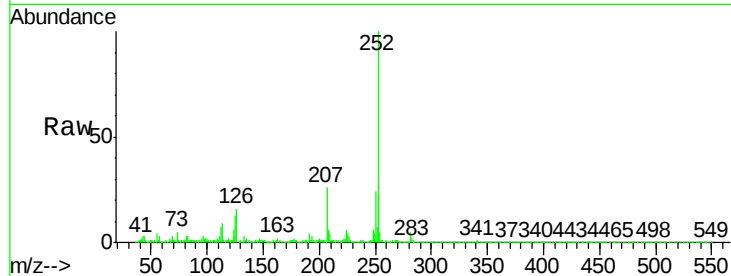




#88  
Benzo(b)fluoranthene  
Concen: 2.844 ng  
RT: 22.65 min Scan# 3360  
Delta R.T. -0.01 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

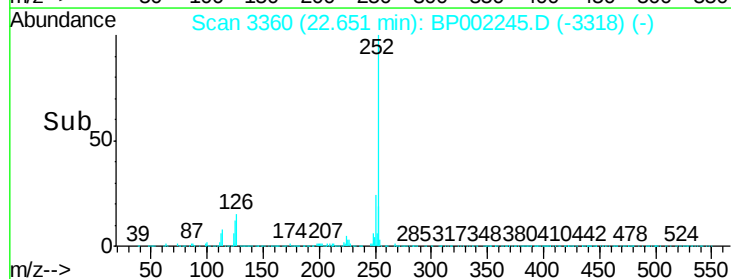
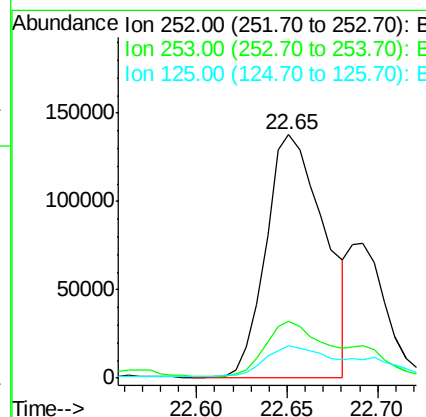
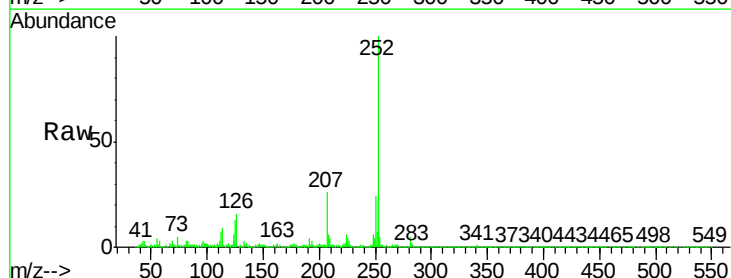
Instrument :  
BNA\_P  
ClientSampleId :

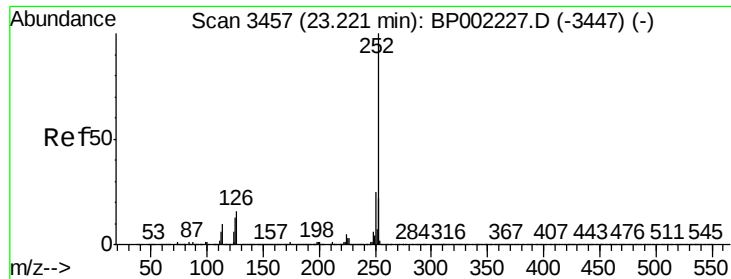
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.8  | 26.8  |
| 125     | 13.1  | 9.4   | 14.0  |



#89  
Benzo(k)fluoranthene  
Concen: 2.777 ng  
RT: 22.65 min Scan# 3360  
Delta R.T. -0.05 min  
Lab File: BP002245.D  
Acq: 05 May 2020 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 19.4  | 29.0  |
| 125     | 13.1  | 9.1   | 13.7  |





#90

Benzo(a)pyrene

Concen: 2.019 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BP002245.D

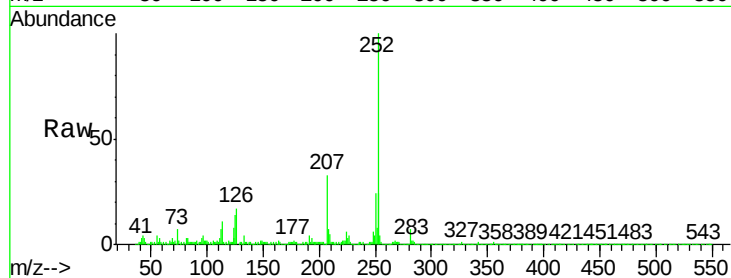
Acq: 05 May 2020 19:52

Instrument :

BNA\_P

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 252   | Resp: | 211415 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 24.2  | 17.5  | 26.3   |
| 125      | 14.3  | 10.2  | 15.2   |



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

