

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP050520\  
 Data File : BP002244.D  
 Acq On : 05 May 2020 19:18  
 Operator : CG/JU  
 Sample : L2483-12  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: May 06 01:06:10 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

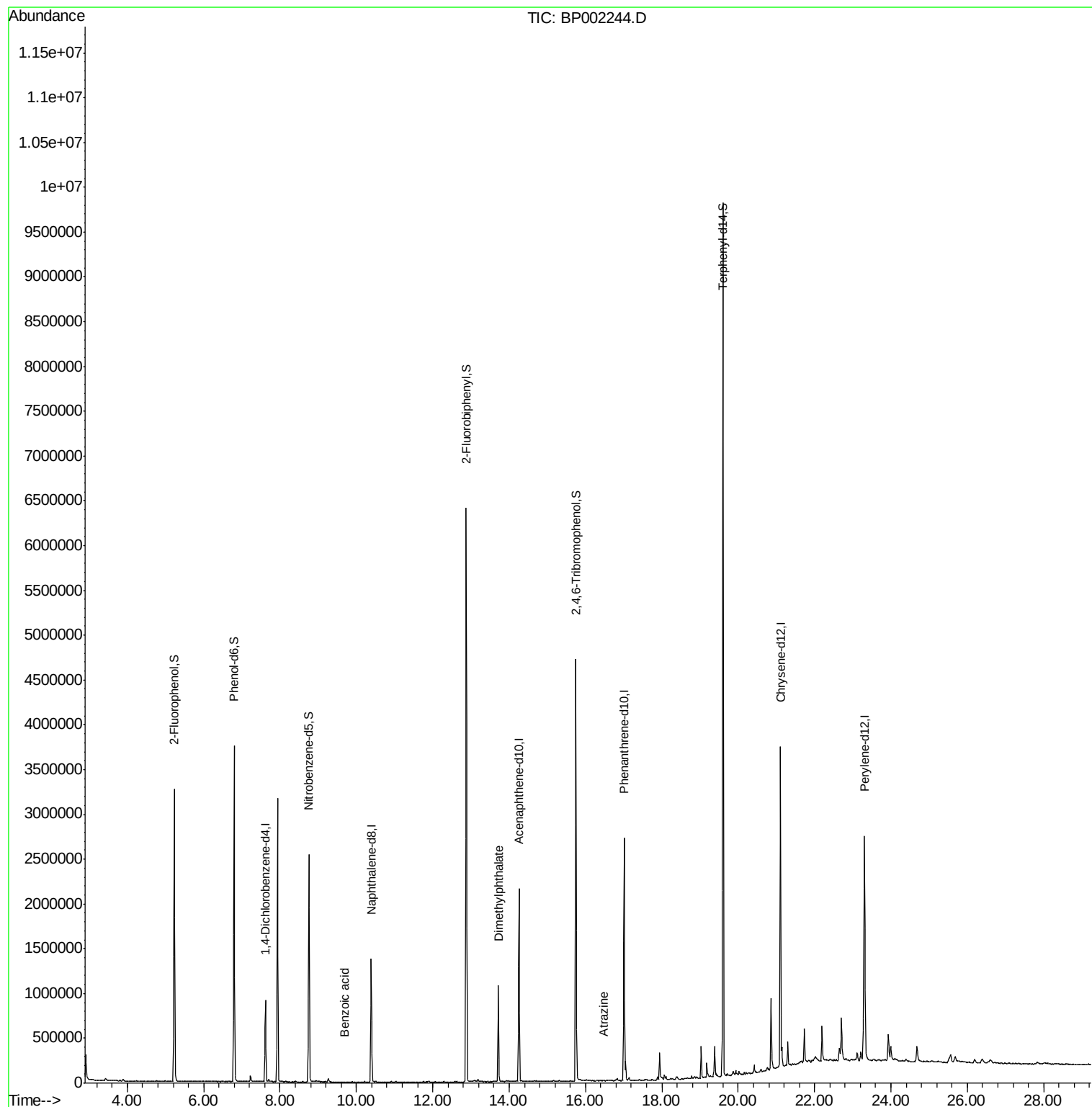
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 242062   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8             | 10.39 | 136  | 1096629  | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10           | 14.26 | 164  | 695118   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10           | 17.01 | 188  | 1544209  | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12               | 21.10 | 240  | 1592051  | 20.00     | ng       | -0.01    |
| 87) Perylene-d12               | 23.31 | 264  | 1775537  | 20.00     | ng       | 0.00     |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 5) 2-Fluorophenol              | 5.23  | 112  | 1471334  | 100.27    | ng       | 0.00     |
| 7) Phenol-d6                   | 6.79  | 99   | 2201059  | 102.12    | ng       | 0.00     |
| 23) Nitrobenzene-d5            | 8.76  | 82   | 1466692  | 69.07     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.75 | 330  | 812098   | 110.38    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.87 | 172  | 3380015  | 68.09     | ng       | 0.00     |
| 79) Terphenyl-d14              | 19.60 | 244  | 4786551  | 73.68     | ng       | 0.00     |
| Target Compounds               |       |      |          |           |          |          |
| 9) Benzaldehyde                | 6.72  | 77   | 130      | Below Cal | Qvalue # | 32       |
| 32) Benzoic acid               | 9.69  | 122  | 25       | 6.346 ng  | #        | 1        |
| 50) Dimethylphthalate          | 13.72 | 163  | 677551   | 12.366 ng |          | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.32 | 204  | 14       | Below Cal | #        | 1        |
| 69) Atrazine                   | 16.48 | 200  | 12       | 2.263 ng  |          | 71       |
| 77) Benzidine                  | 19.22 | 184  | 40       | Below Cal | #        | 1        |

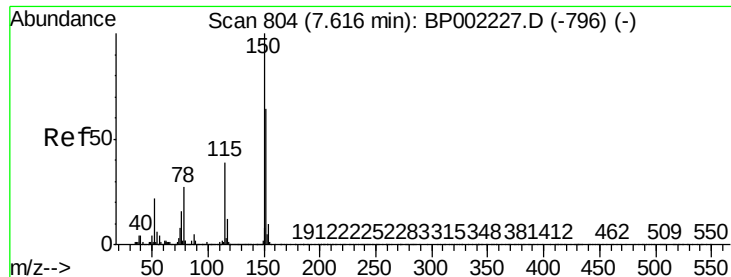
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP050520\  
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Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: May 06 01:06:10 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



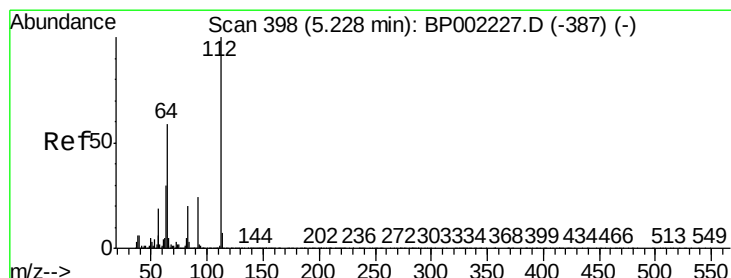
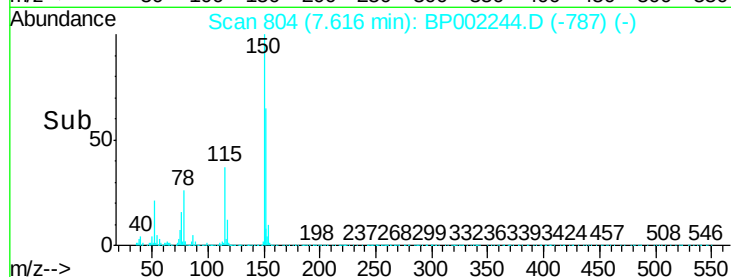
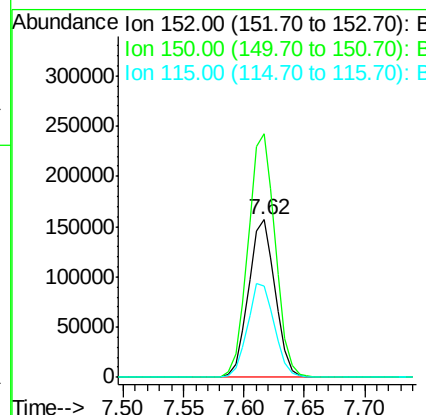
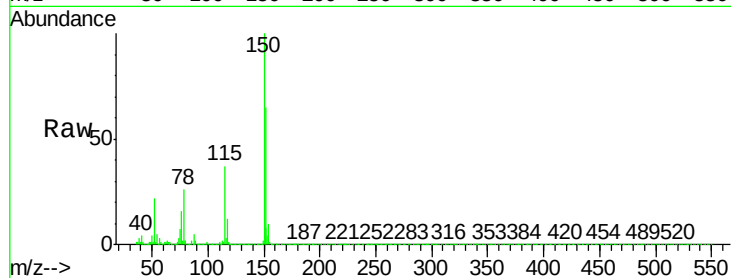


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.62 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Instrument :  
BNA\_P  
ClientSampleId :

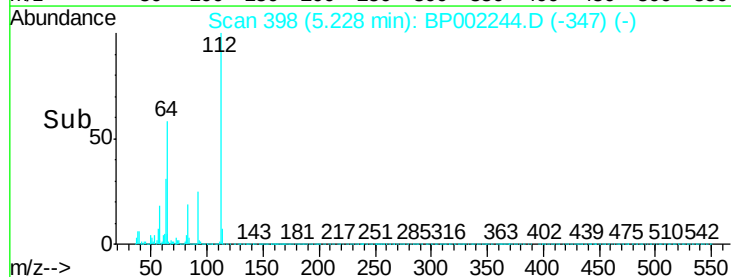
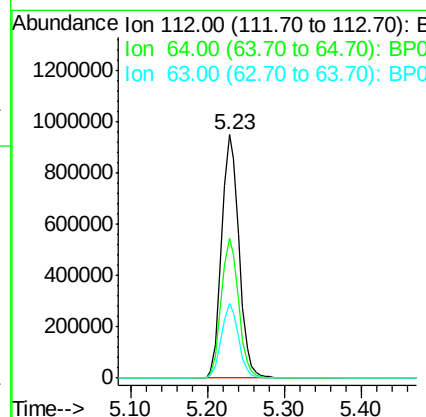
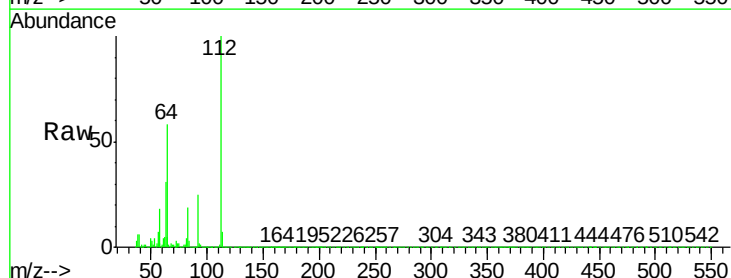
| Tot Ion | 152   | Resp  | 242062 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 154.6 | 125.3 | 187.9  |
| 115     | 57.9  | 48.3  | 72.5   |

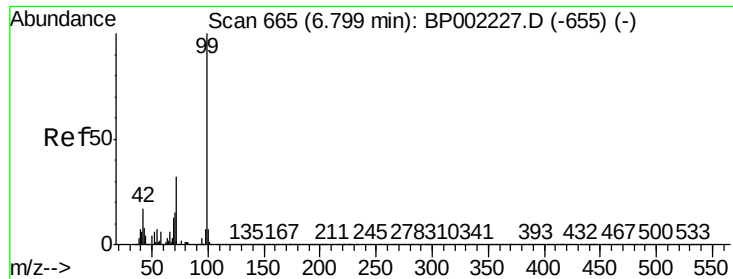


#5

2-Fluorophenol  
Concen: 100.274 ng  
RT: 5.23 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

| Tgt Ion | 112   | Resp  | 1471334 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 112     | 100   |       |         |
| 64      | 57.7  | 46.9  | 70.3    |
| 63      | 30.5  | 24.3  | 36.5    |





#7

Phenol-d6

Concen: 102.119 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.00 min

Lab File: BP002244.D

Acq: 05 May 2020 19:18

Instrument :

BNA\_P

ClientSampleId :

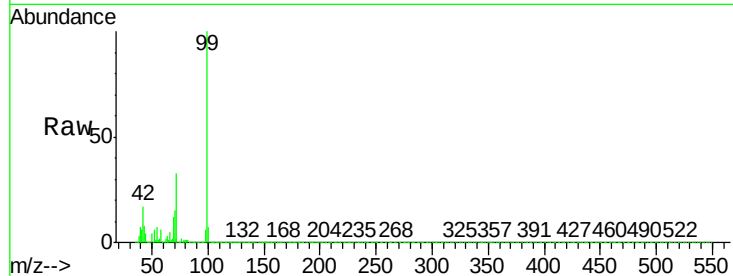
Tot Ion: 99 Resp: 2201059

Ion Ratio Lower Upper

99 100

42 17.3 14.0 21.0

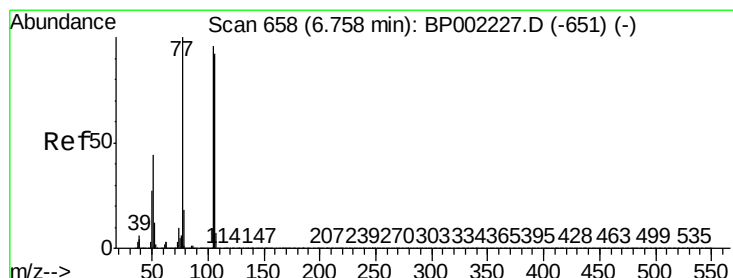
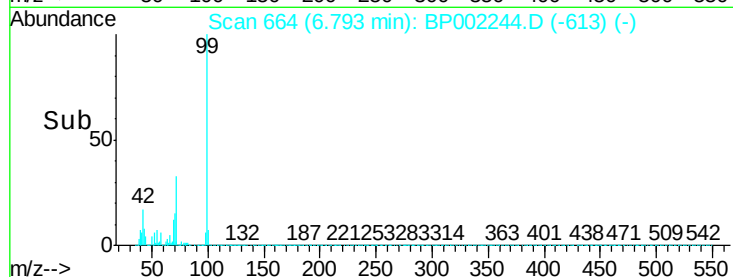
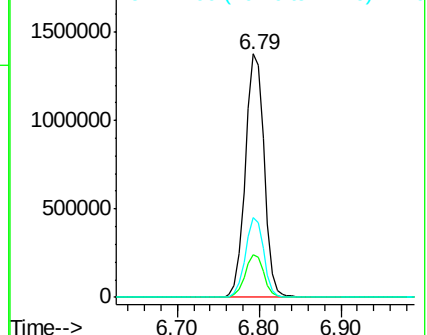
71 32.9 25.9 38.9



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: 6.72 min Scan# 652

Delta R.T. -0.04 min

Lab File: BP002244.D

Acq: 05 May 2020 19:18

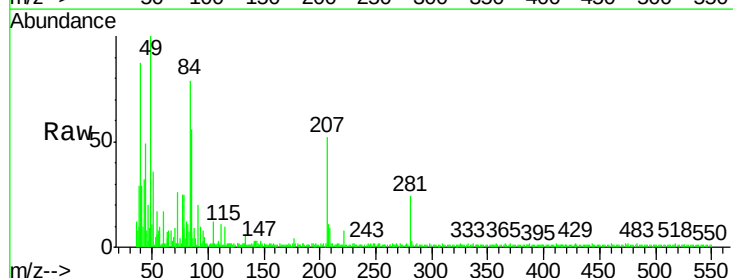
Tgt Ion: 77 Resp: 130

Ion Ratio Lower Upper

77 100

105 49.3 76.0 116.0#

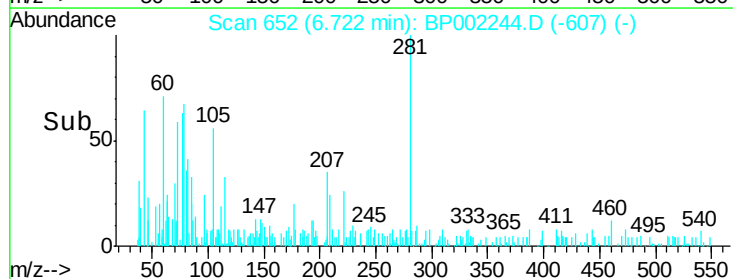
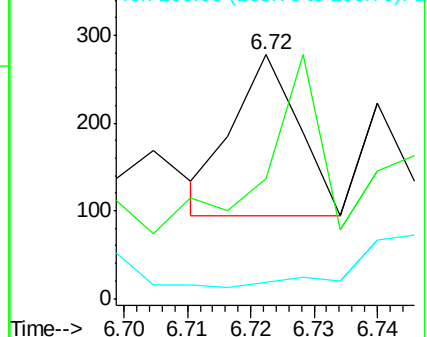
106 6.5 71.6 111.6#

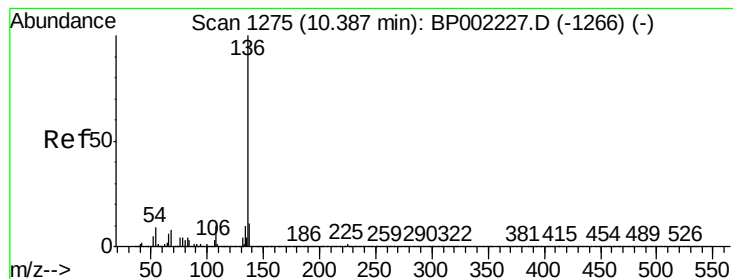


Abundance Ion 77.00 (76.70 to 77.70): BP0

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: BP002244.D

Acq: 05 May 2020 19:18

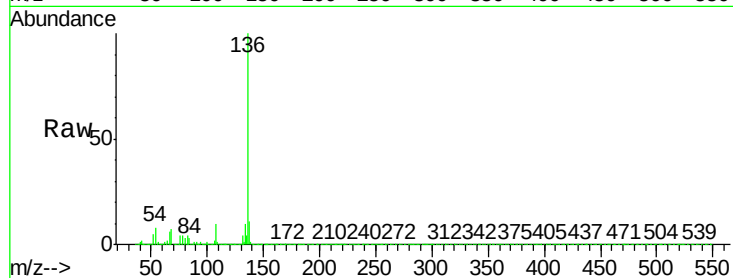
Instrument :

BNA\_P

ClientSampled :

Tot Ion:136 Resp: 1096629

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.0   | 13.6  |
| 54  | 8.3   | 7.0   | 10.6  |
| 68  | 7.3   | 6.0   | 9.0   |

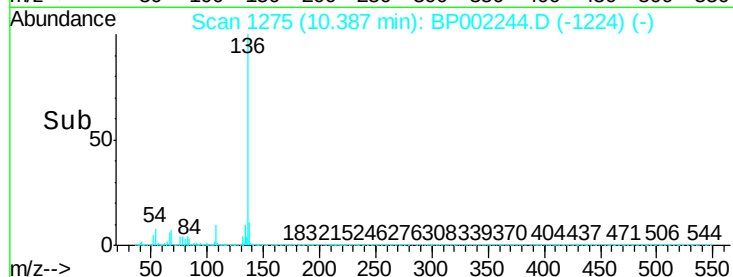


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

10.39

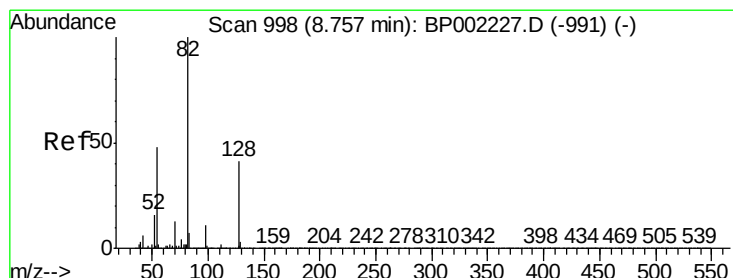
600000

400000

200000

0

10.30 10.40 10.50



#23

Nitrobenzene-d5

Concen: 69.069 ng

RT: 8.76 min Scan# 998

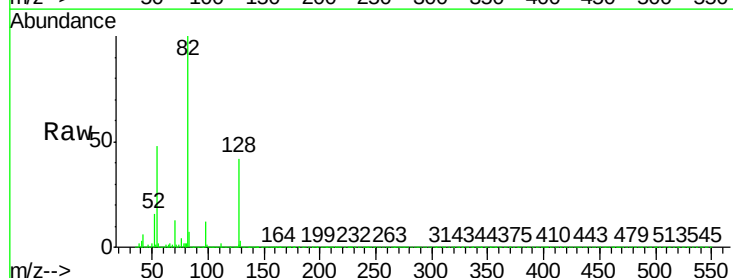
Delta R.T. 0.00 min

Lab File: BP002244.D

Acq: 05 May 2020 19:18

Tgt Ion: 82 Resp: 1466692

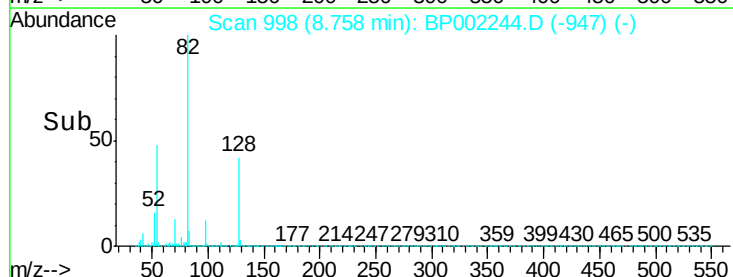
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.5  | 32.4  | 48.6  |
| 54  | 48.4  | 38.2  | 57.2  |



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



Time-->

8.76

1200000

800000

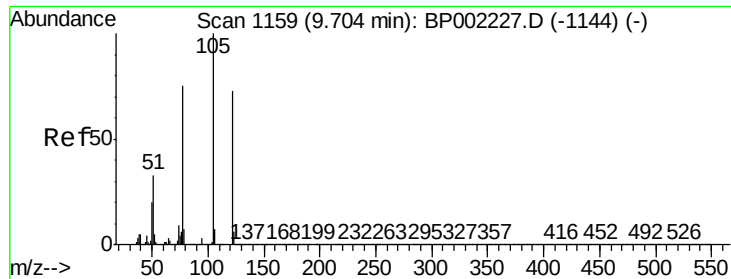
600000

400000

200000

0

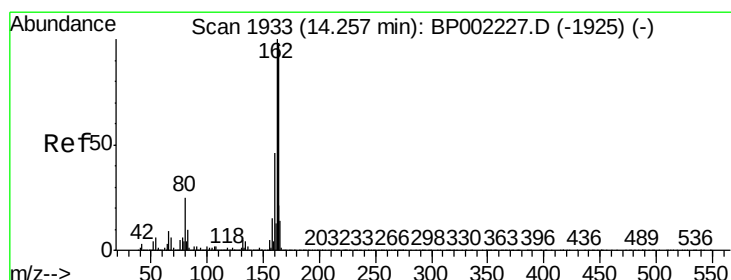
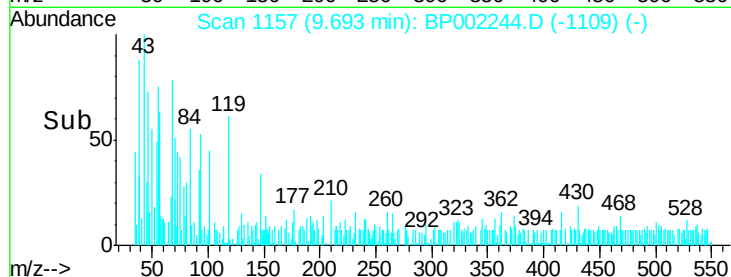
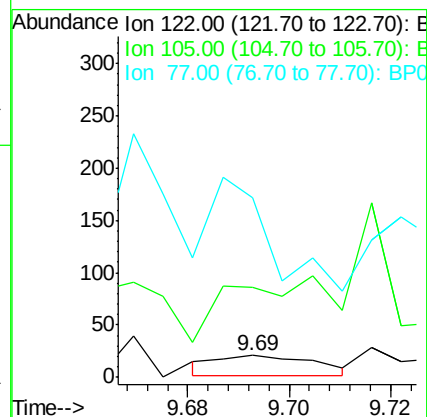
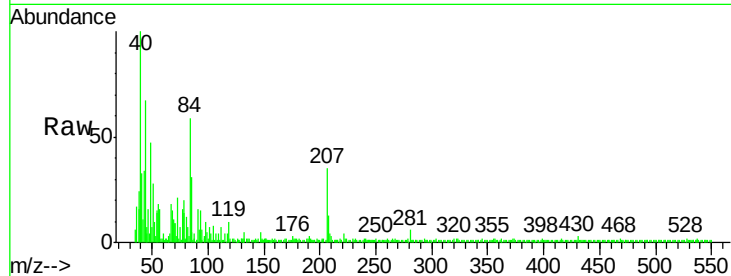
8.70 8.80 8.90



#32  
Benzoic acid  
Concen: 6.346 ng  
RT: 9.69 min Scan# 1157  
Delta R.T. -0.02 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

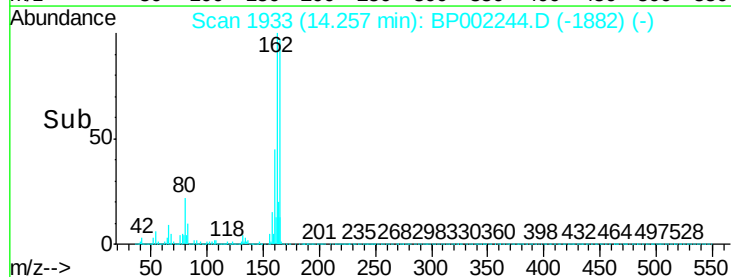
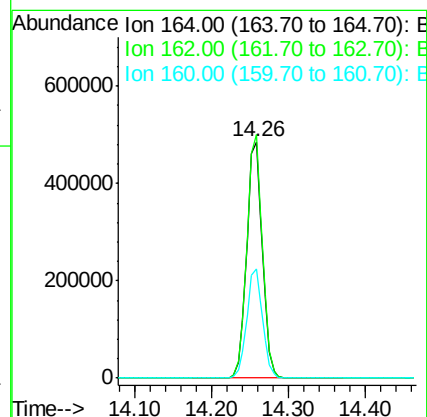
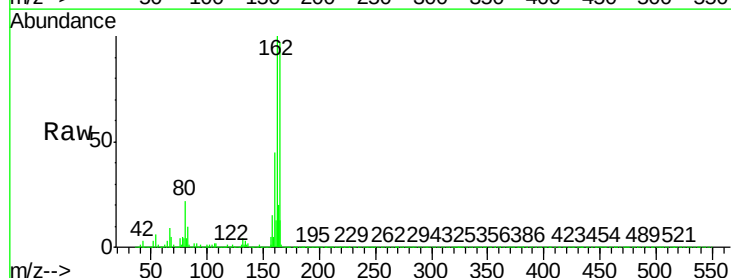
Instrument :  
BNA\_P  
ClientSampled :

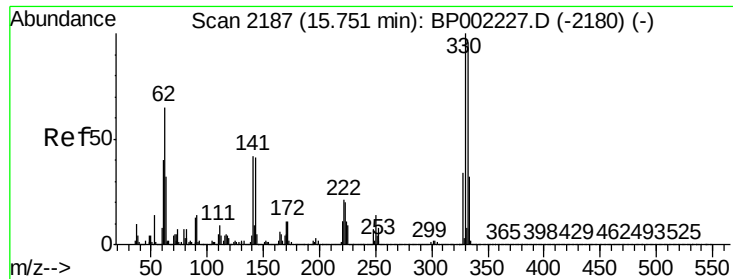
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 409.5 | 108.6 | 148.6# |
| 77      | 819.0 | 79.2  | 119.2# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.26 min Scan# 1933  
Delta R.T. 0.00 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 81.5  | 122.3 |
| 160     | 46.2  | 37.3  | 55.9  |

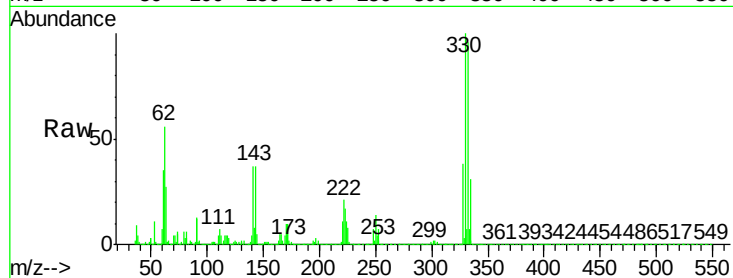




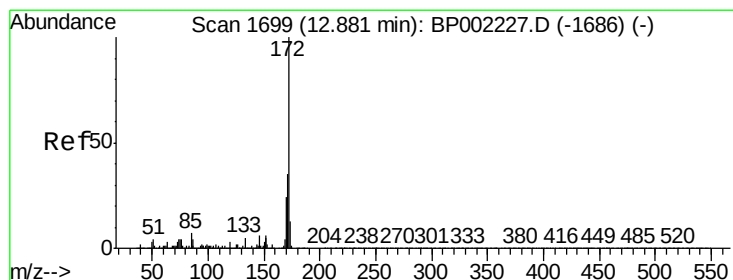
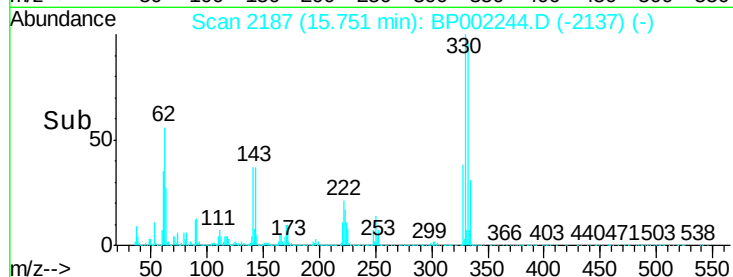
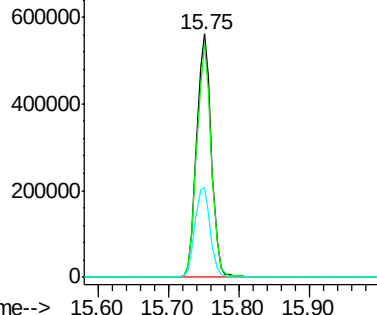
#42  
2,4,6-Tribromophenol  
Concen: 110.378 ng  
RT: 15.75 min Scan# 2187  
Delta R.T. -0.01 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:330 Resp: 812098  
Ion Ratio Lower Upper  
330 100  
332 94.3 76.3 114.5  
141 38.7 32.0 48.0

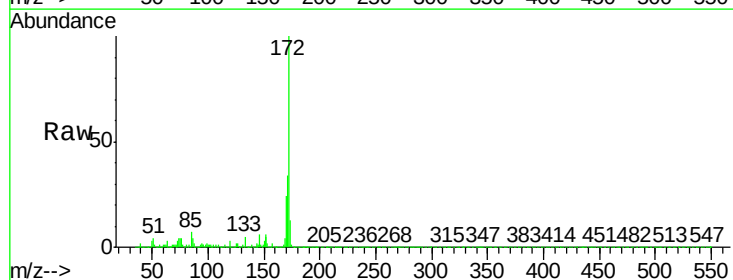


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

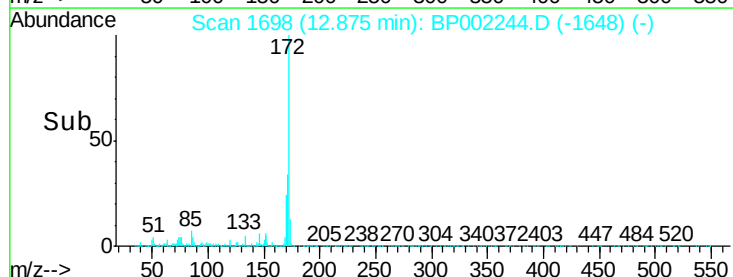
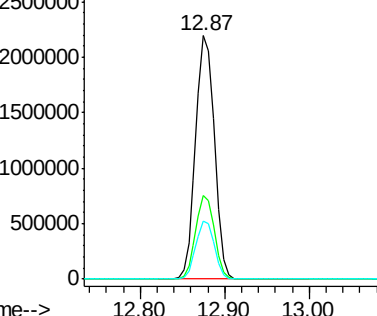


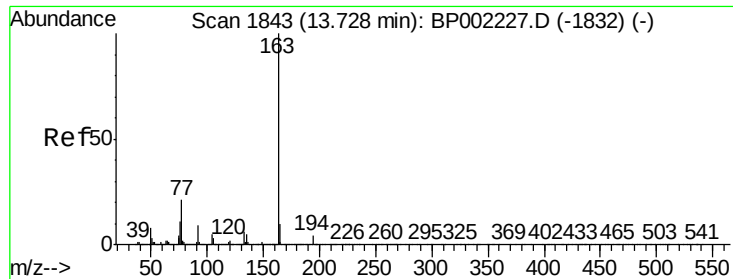
#45  
2-Fluorobiphenyl  
Concen: 68.094 ng  
RT: 12.87 min Scan# 1698  
Delta R.T. -0.01 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Tgt Ion:172 Resp: 3380015  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.9 41.9  
170 23.8 19.0 28.6



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

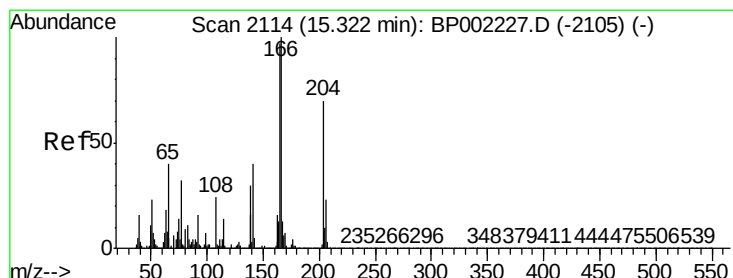
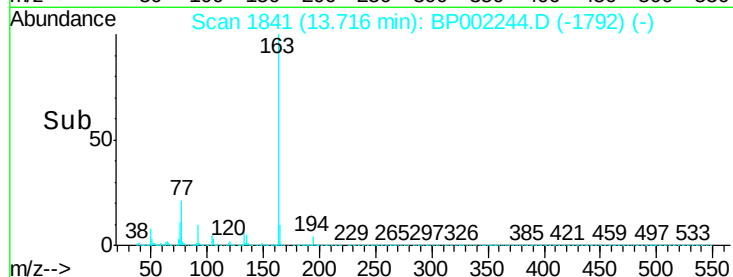
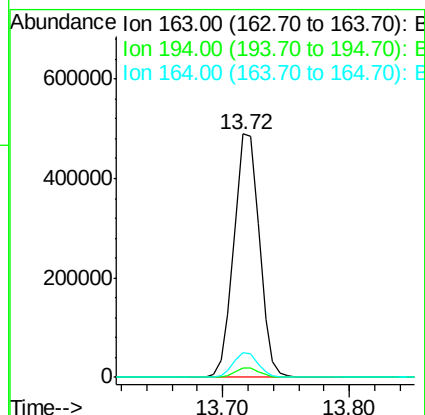
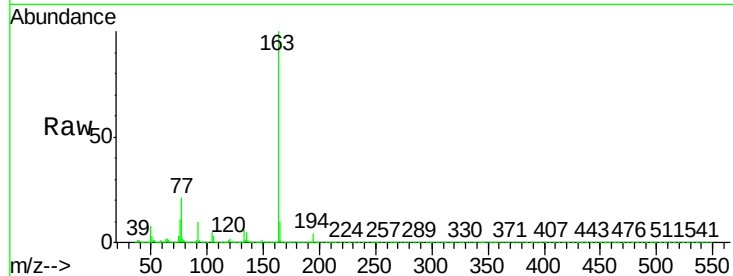




#50  
Dimethylphthalate  
Concen: 12.366 ng  
RT: 13.72 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

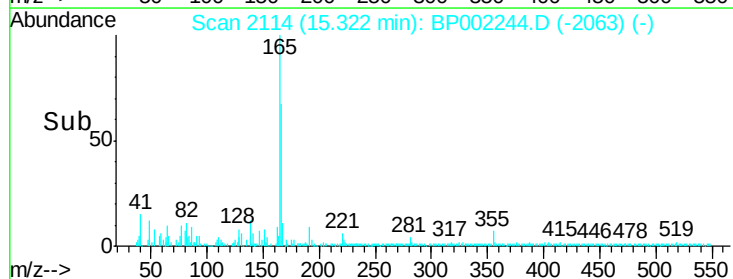
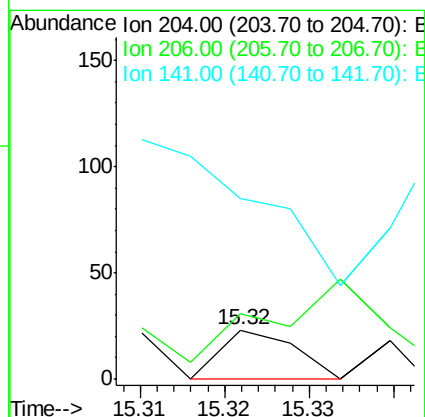
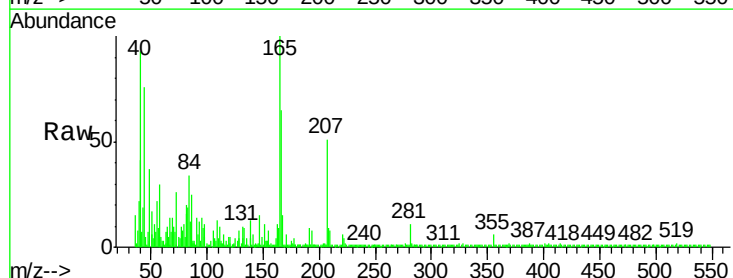
Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:163 Resp: 677551  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.9 7.8 11.8

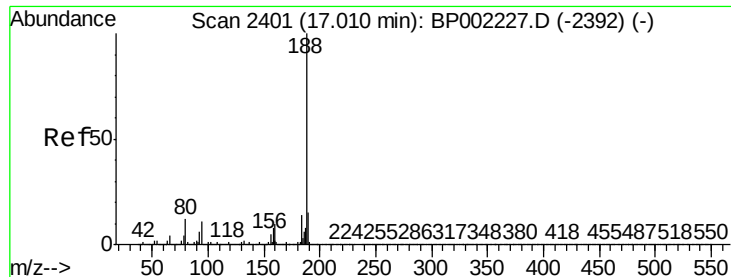


#61  
4-Chlorophenyl-phenylether  
Concen: Below Cal  
RT: 15.32 min Scan# 2114  
Delta R.T. 0.00 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Tgt Ion:204 Resp: 14  
Ion Ratio Lower Upper  
204 100  
206 134.8 26.2 39.4#  
141 369.6 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: BP002244.D

Acq: 05 May 2020 19:18

Instrument :

BNA\_P

ClientSampled :

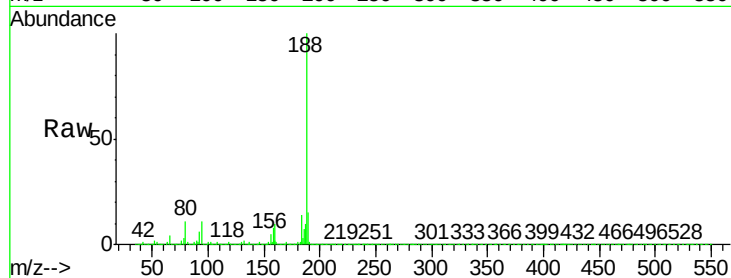
Tot Ion:188 Resp: 1544209

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

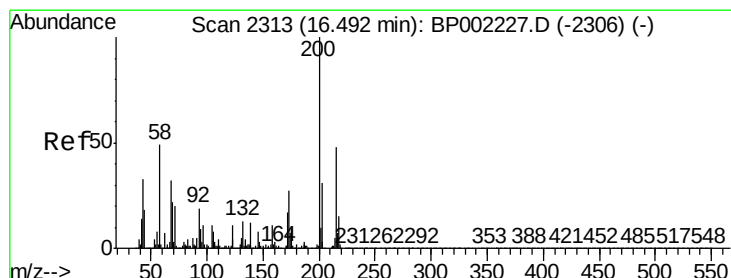
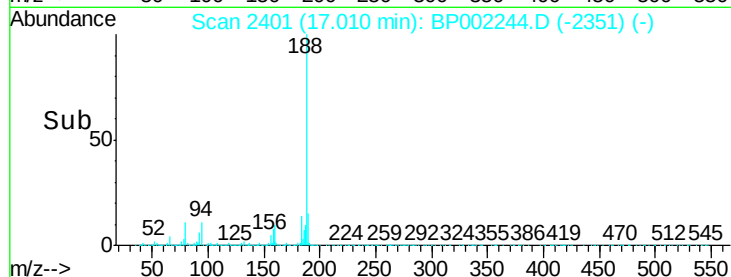
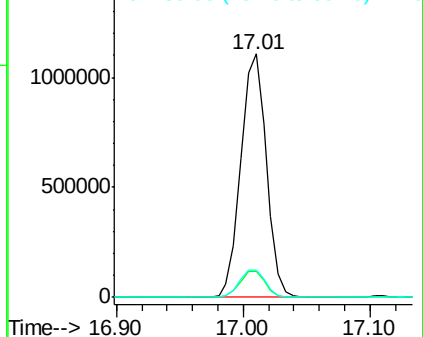
80 11.4 9.8 14.6



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: 2.263 ng

RT: 16.48 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BP002244.D

Acq: 05 May 2020 19:18

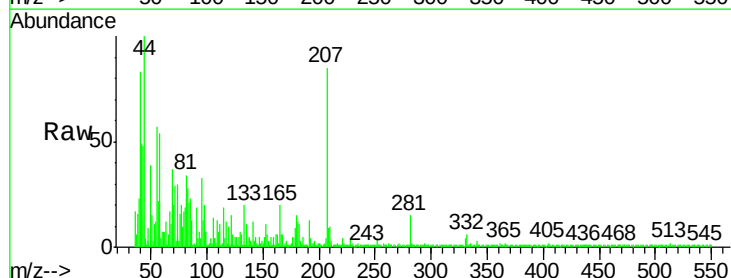
Tgt Ion:200 Resp: 12

Ion Ratio Lower Upper

200 100

173 46.4 6.6 46.6

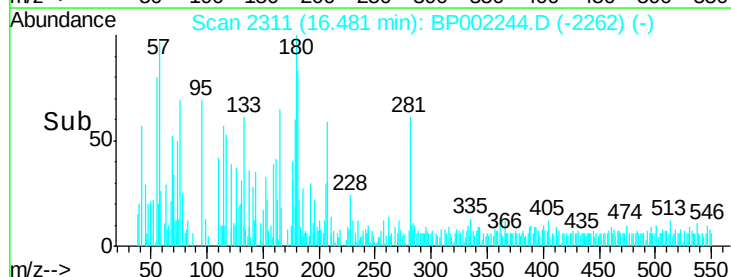
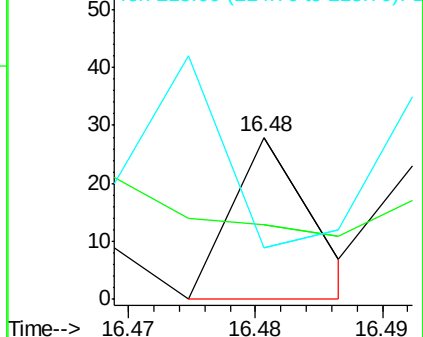
215 32.1 27.7 67.7

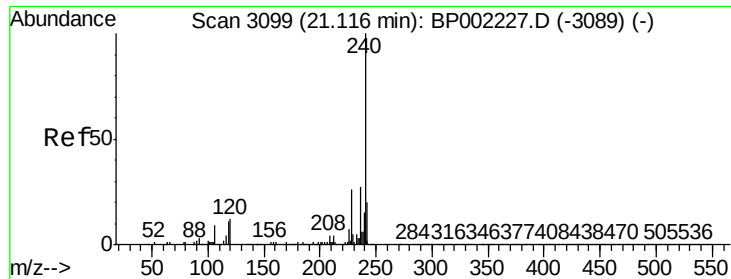


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

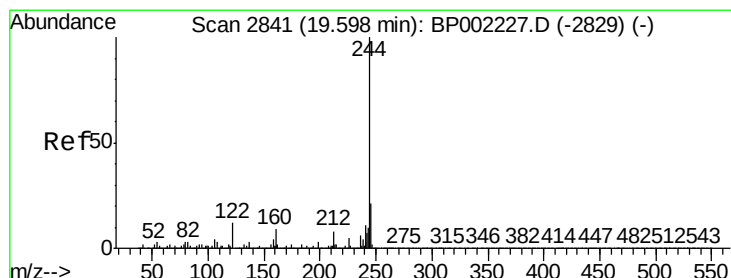
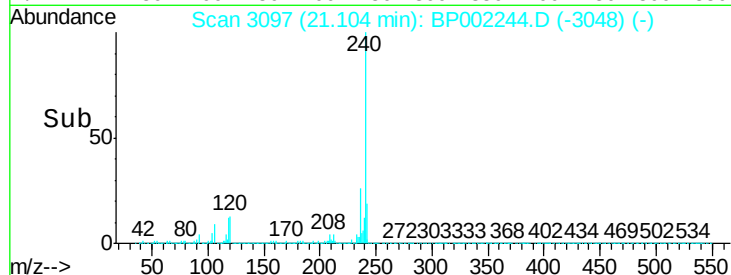
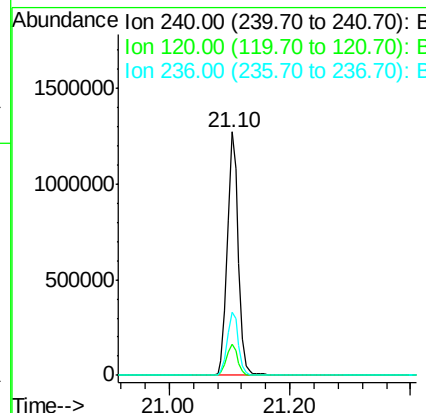
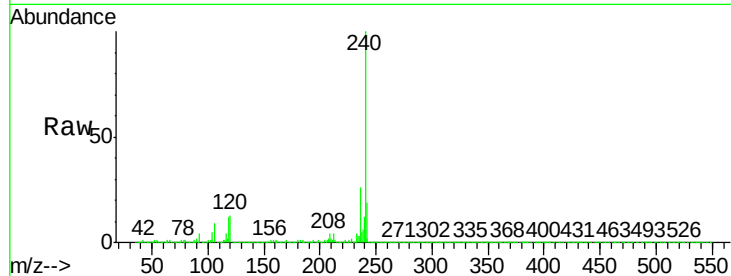




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.10 min Scan# 3097  
Delta R.T. -0.01 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

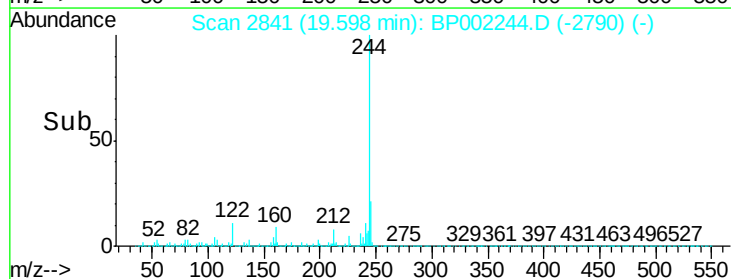
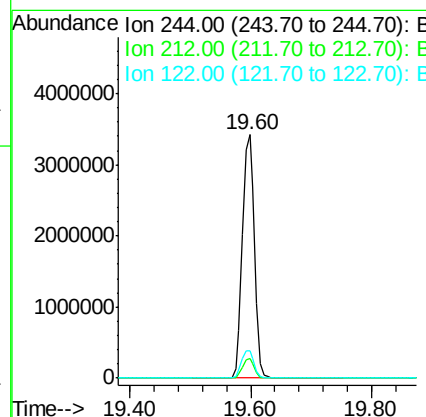
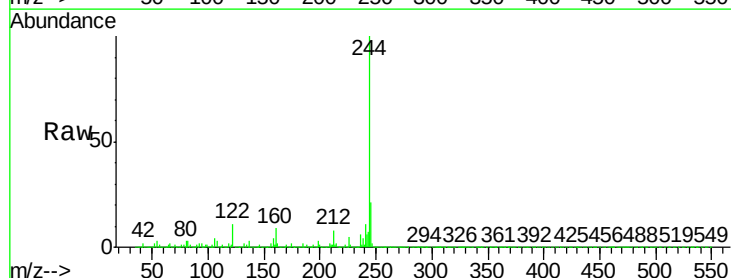
Instrument :  
BNA\_P  
ClientSampleId :

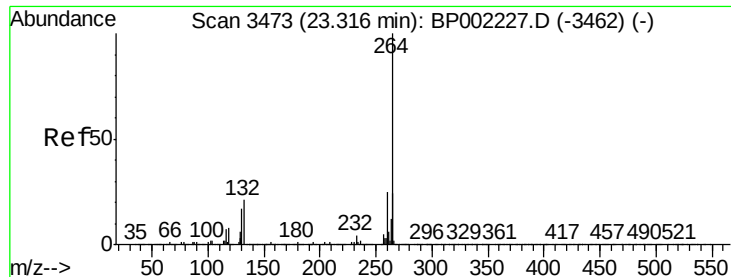
Tot Ion:240 Resp: 1592051  
Ion Ratio Lower Upper  
240 100  
120 12.8 9.4 14.0  
236 26.1 21.8 32.6



#79  
Terphenyl-d14  
Concen: 73.679 ng  
RT: 19.60 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Tgt Ion:244 Resp: 4786551  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.6 9.8  
122 11.4 9.5 14.3





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.31 min Scan# 3472  
Delta R.T. -0.01 min  
Lab File: BP002244.D  
Acq: 05 May 2020 19:18

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:264 Resp: 1775537  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 20.4  | 30.6  |
| 265 | 21.1  | 19.0  | 28.4  |

