

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012720\  
 Data File : BP001695.D  
 Acq On : 27 Jan 2020 17:31  
 Operator : CG/JU  
 Sample : L1242-11RX  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Jan 28 03:24:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 24 22:23:46 2020  
 Response via : Initial Calibration

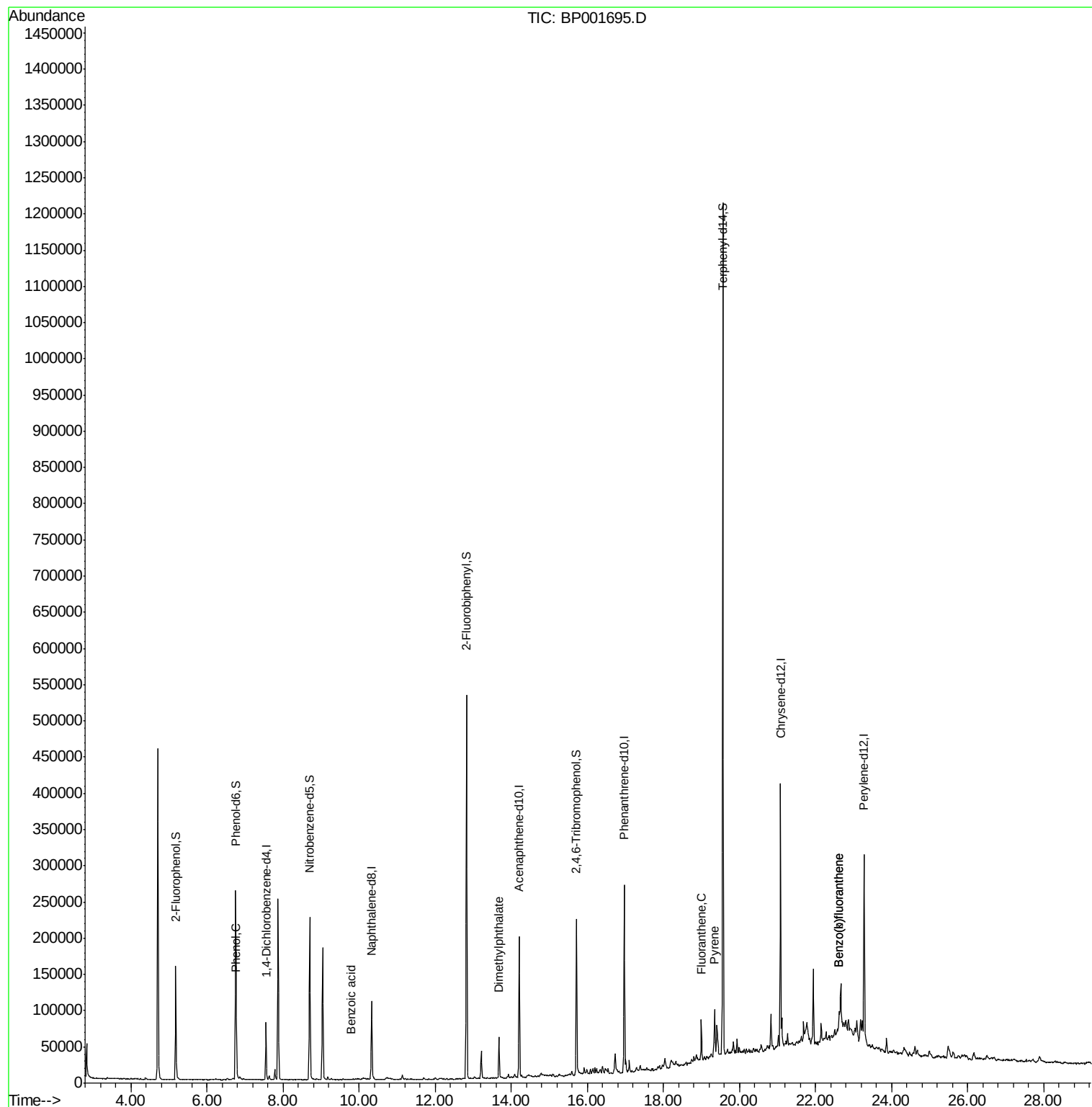
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.55  | 152  | 16597    | 20.00 | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.33 | 136  | 74053    | 20.00 | ng    | -0.01     |
| 39) Acenaphthene-d10        | 14.21 | 164  | 59677    | 20.00 | ng    | -0.01     |
| 64) Phenanthrene-d10        | 16.97 | 188  | 142917   | 20.00 | ng    | -0.02     |
| 76) Chrysene-d12            | 21.08 | 240  | 145154   | 20.00 | ng    | -0.01     |
| 87) Perylene-d12            | 23.28 | 264  | 173264   | 20.00 | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.18  | 112  | 52107    | 61.50 | ng    | 0.00      |
| 7) Phenol-d6                | 6.75  | 99   | 110411   | 81.54 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 8.70  | 82   | 111314   | 65.68 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 15.72 | 330  | 35258    | 38.81 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 12.82 | 172  | 243606   | 60.02 | ng    | -0.02     |
| 79) Terphenyl-d14           | 19.56 | 244  | 470877   | 59.33 | ng    | -0.02     |
| Target Compounds            |       |      |          |       |       |           |
| 10) Phenol                  | 6.78  | 94   | 7040     | 5.026 | ng    | Qvalue 86 |
| 32) Benzoic acid            | 9.79  | 122  | 14       | 4.718 | ng    | # 43      |
| 50) Dimethylphthalate       | 13.67 | 163  | 30426    | 6.190 | ng    | 99        |
| 75) Fluoranthene            | 19.00 | 202  | 31285    | 3.059 | ng    | 99        |
| 78) Pyrene                  | 19.35 | 202  | 36998    | 3.470 | ng    | 97        |
| 88) Benzo(b)fluoranthene    | 22.62 | 252  | 22391    | 2.051 | ng    | # 96      |
| 89) Benzo(k)fluoranthene    | 22.62 | 252  | 22391    | 2.103 | ng    | # 97      |

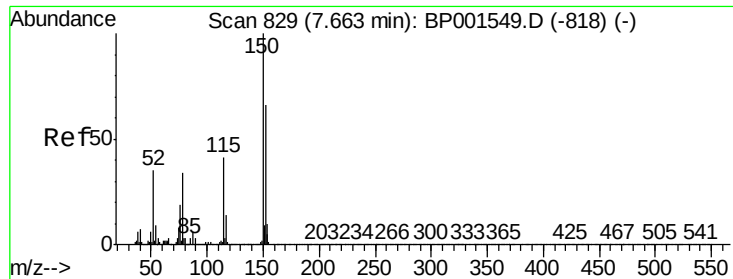
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
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Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Jan 28 03:24:42 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 24 22:23:46 2020  
Response via : Initial Calibration



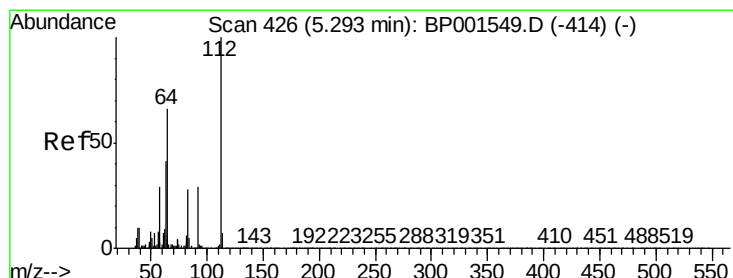
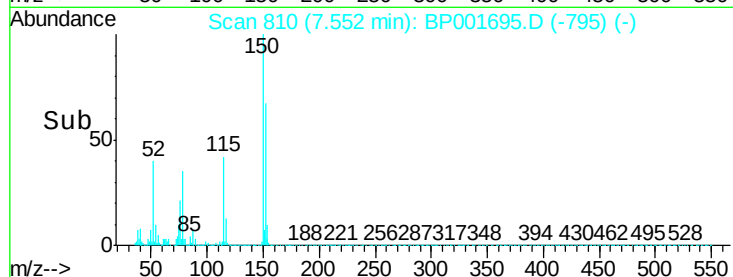
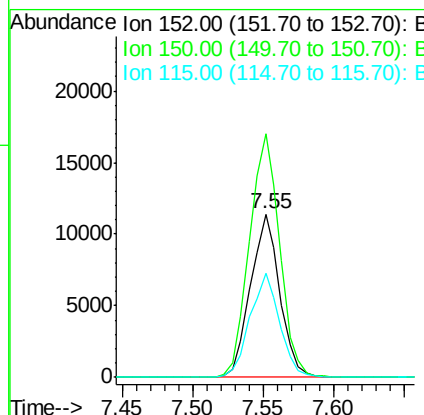
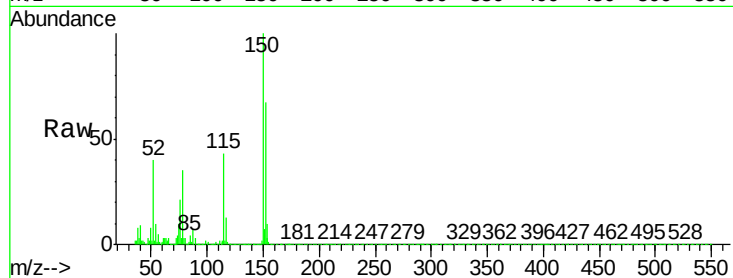


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

Instrument :  
BNA\_P  
ClientSampleId :

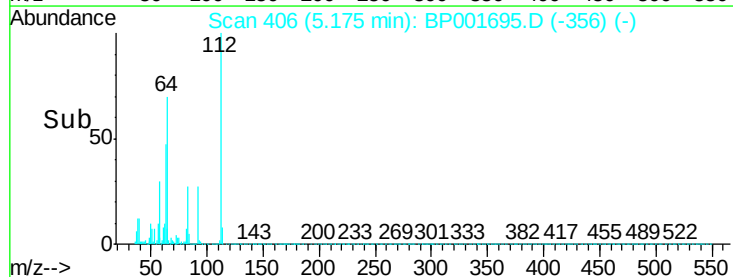
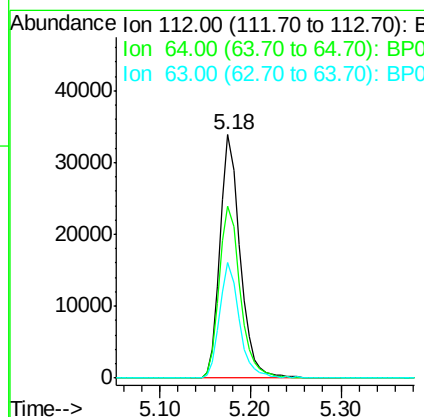
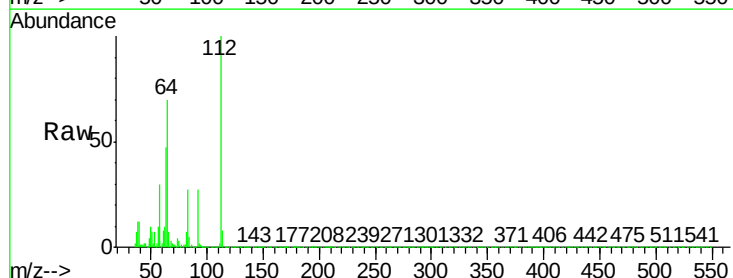
| Tot Ion | 152   | Resp  | 16597 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 152     | 100   |       |       |
| 150     | 148.9 | 122.0 | 183.0 |
| 115     | 63.5  | 50.7  | 76.1  |

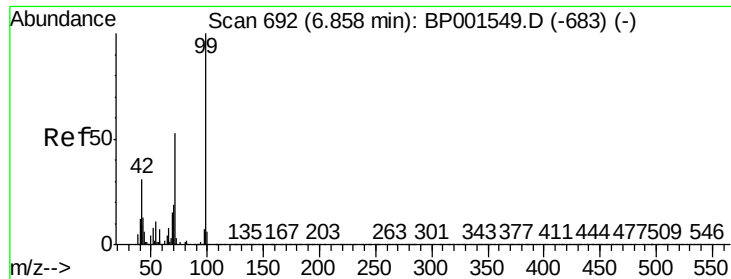


#5

2-Fluorophenol  
Concen: 61.500 ng  
RT: 5.18 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

| Tgt Ion | 112   | Resp  | 52107 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 112     | 100   |       |       |
| 64      | 70.5  | 52.8  | 79.2  |
| 63      | 47.3  | 33.1  | 49.7  |





#7

Phenol-d6

Concen: 81.539 ng

RT: 6.75 min Scan# 674

Delta R.T. -0.01 min

Lab File: BP001695.D

Acq: 27 Jan 2020 17:31

Instrument :

BNA\_P

ClientSampleId :

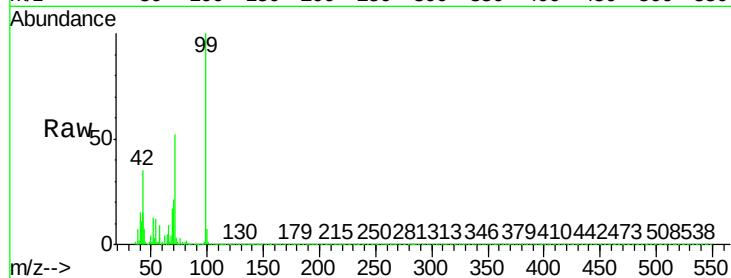
Tot Ion: 99 Resp: 110411

Ion Ratio Lower Upper

99 100

42 34.8 24.5 36.7

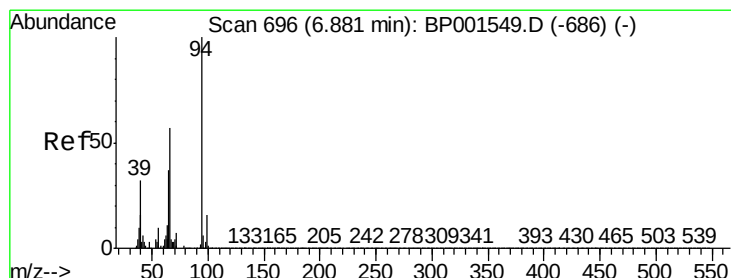
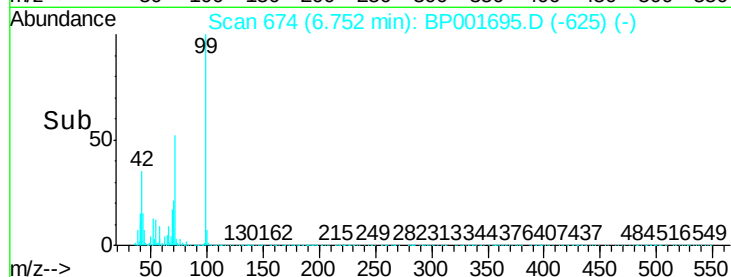
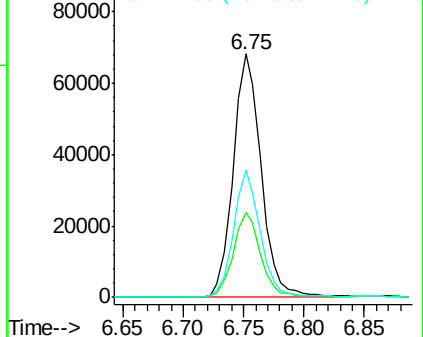
71 52.0 42.4 63.6



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



#10

Phenol

Concen: 5.026 ng

RT: 6.78 min Scan# 678

Delta R.T. -0.01 min

Lab File: BP001695.D

Acq: 27 Jan 2020 17:31

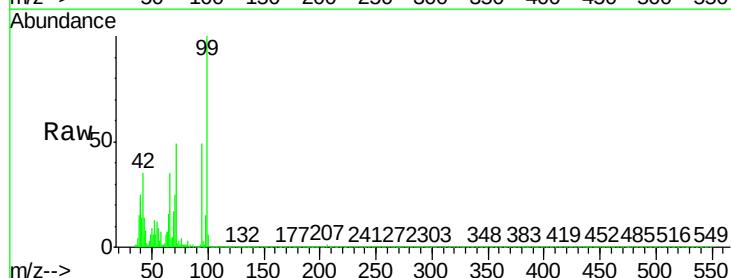
Tgt Ion: 94 Resp: 7040

Ion Ratio Lower Upper

94 100

65 33.4 17.5 57.5

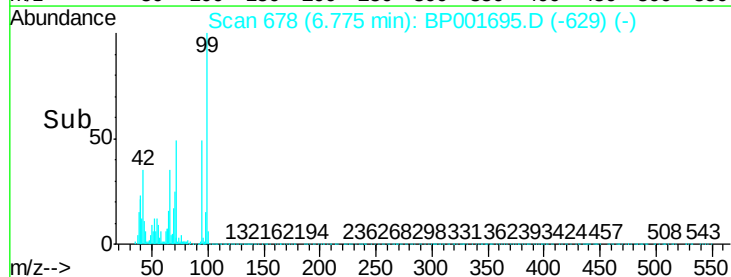
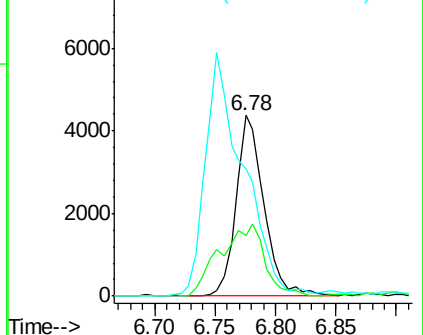
66 70.7 36.7 76.7

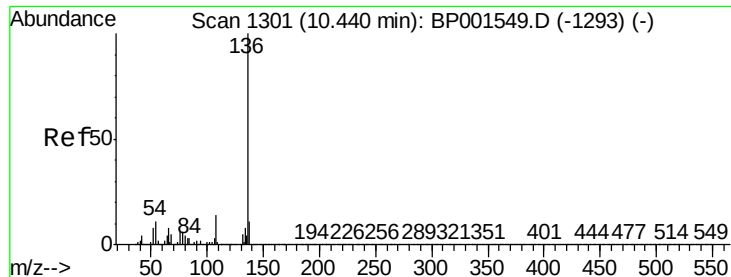


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

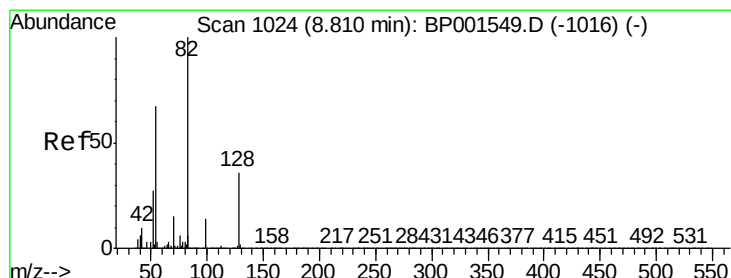
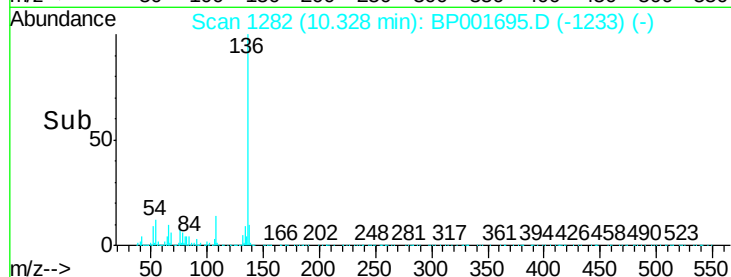
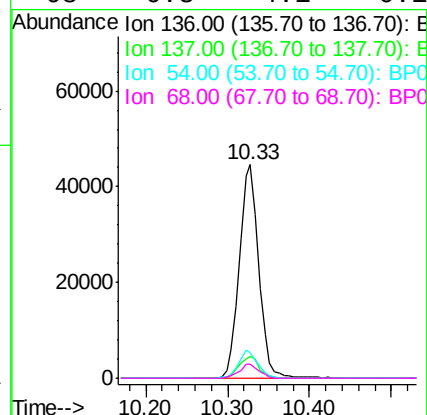
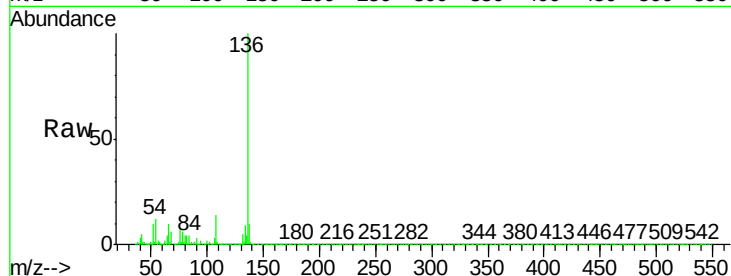




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.33 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

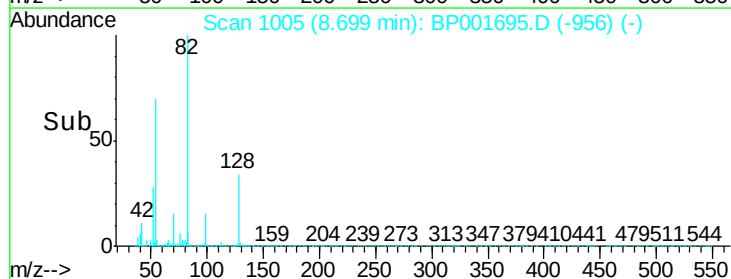
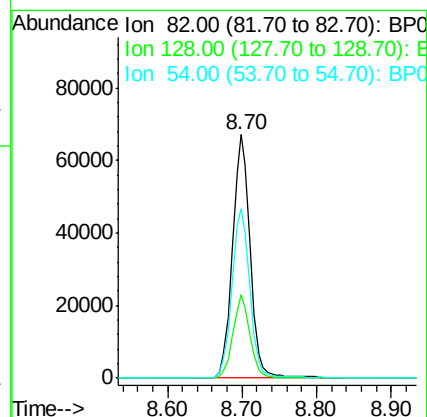
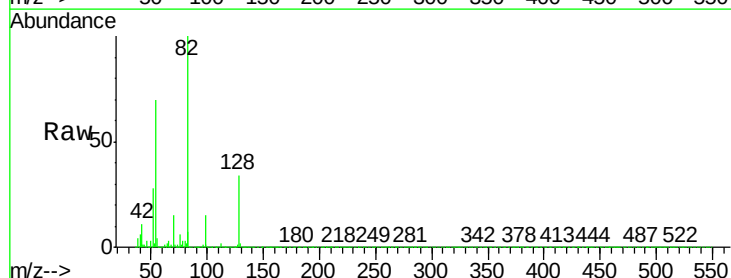
Instrument :  
BNA\_P  
ClientSampleId :

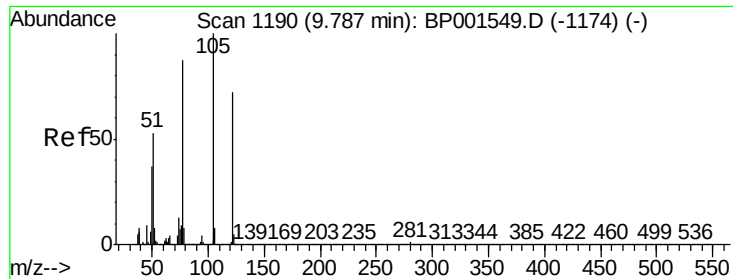
|             |             |
|-------------|-------------|
| Tot Ion:136 | Resp: 74053 |
| Ion Ratio   | Lower Upper |
| 136 100     |             |
| 137 10.1    | 8.6 12.8    |
| 54 12.2     | 9.2 13.8    |
| 68 6.3      | 4.1 6.1#    |



#23  
Nitrobenzene-d5  
Concen: 65.685 ng  
RT: 8.70 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 111314 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 34.4    | 28.4 42.6    |
| 54 69.6     | 53.4 80.2    |

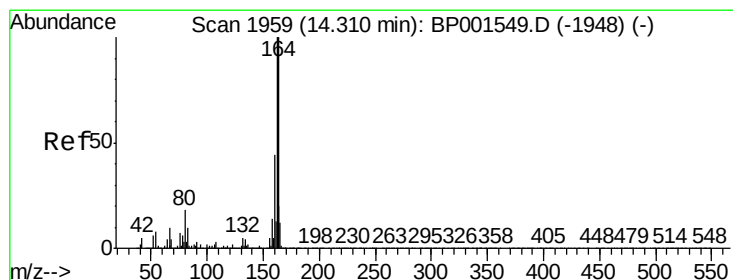
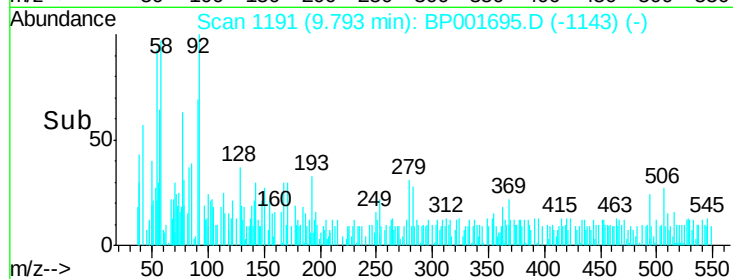
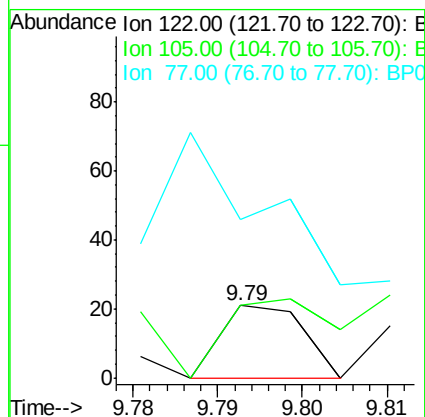
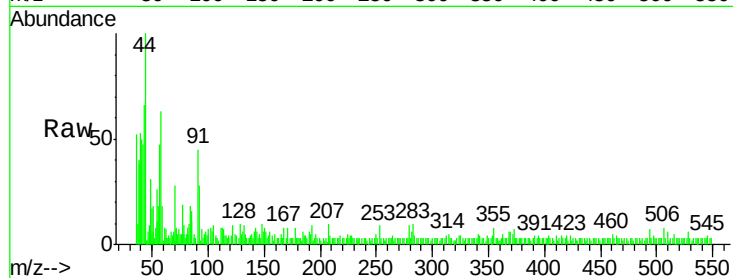




#32  
Benzoic acid  
Concen: 4.718 ng  
RT: 9.79 min Scan# 1191  
Delta R.T. -0.02 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

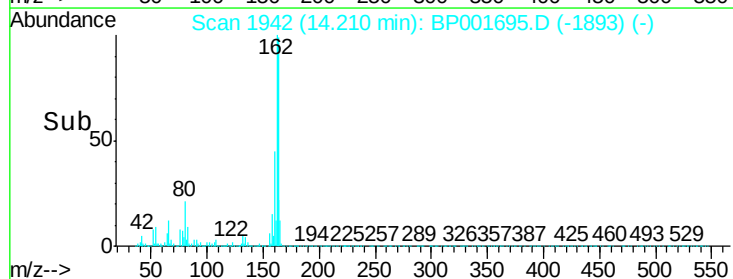
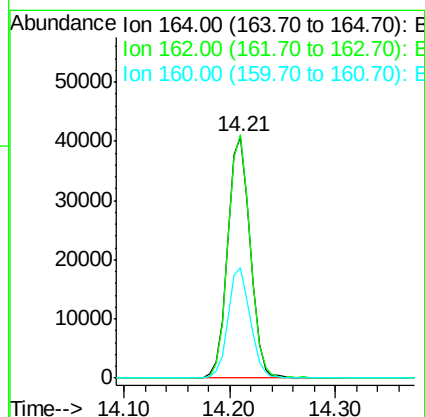
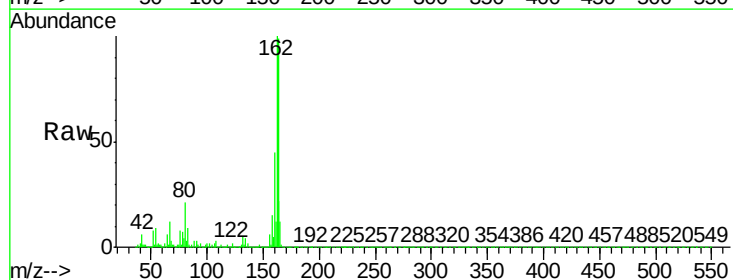
Instrument :  
BNA\_P  
ClientSampleId :

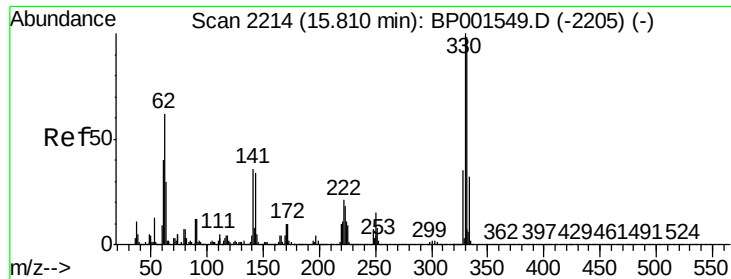
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 100.0 | 119.5 | 159.5# |
| 77      | 219.0 | 102.8 | 142.8# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.21 min Scan# 1942  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 79.8  | 119.6 |
| 160     | 45.5  | 35.0  | 52.6  |

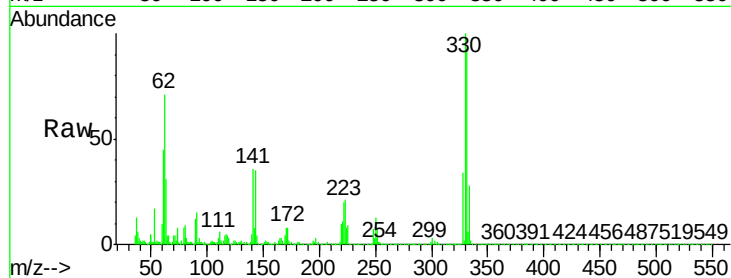




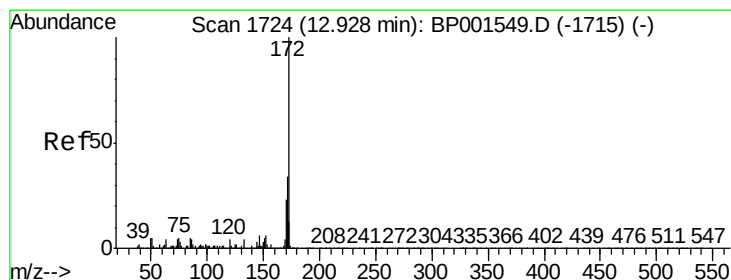
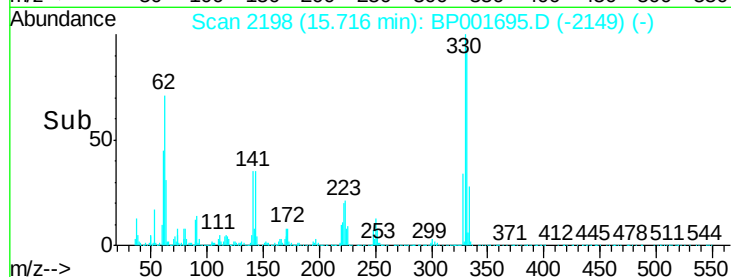
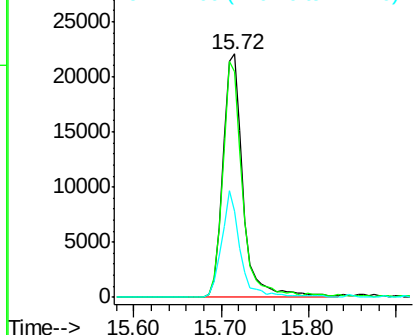
#42  
2,4,6-Tribromophenol  
Concen: 38.813 ng  
RT: 15.72 min Scan# 2198  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:330 Resp: 35258  
Ion Ratio Lower Upper  
330 100  
332 93.8 77.8 116.6  
141 40.7 28.7 43.1

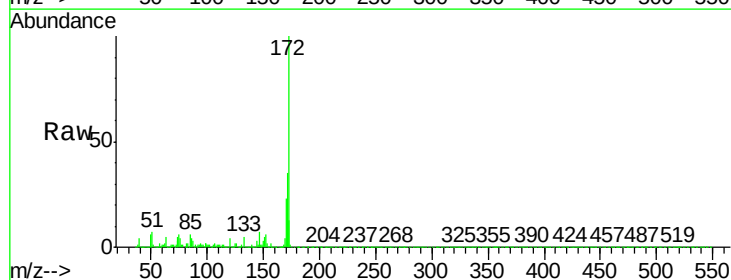


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

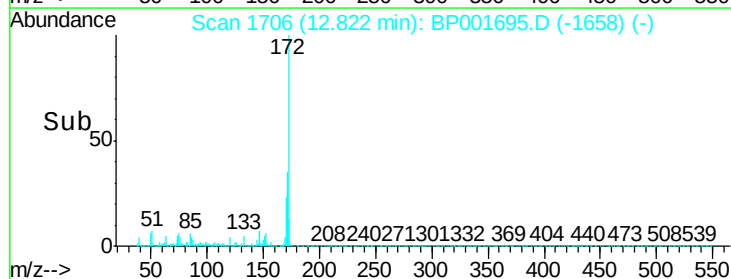
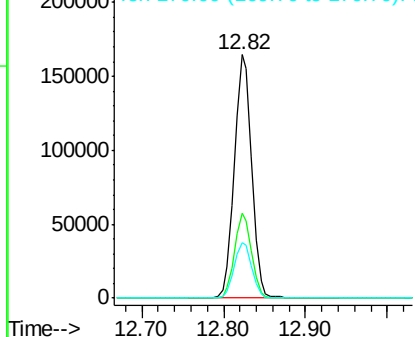


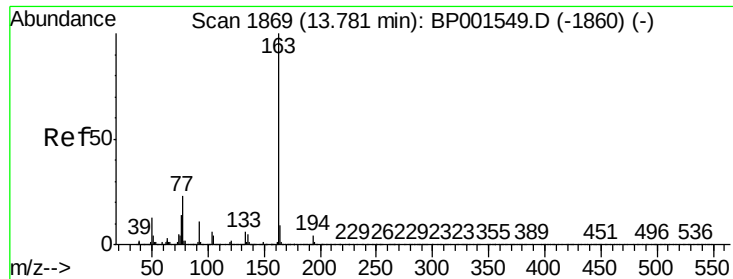
#45  
2-Fluorobiphenyl  
Concen: 60.018 ng  
RT: 12.82 min Scan# 1706  
Delta R.T. -0.02 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

Tgt Ion:172 Resp: 243606  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.6 41.4  
170 22.6 18.3 27.5



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

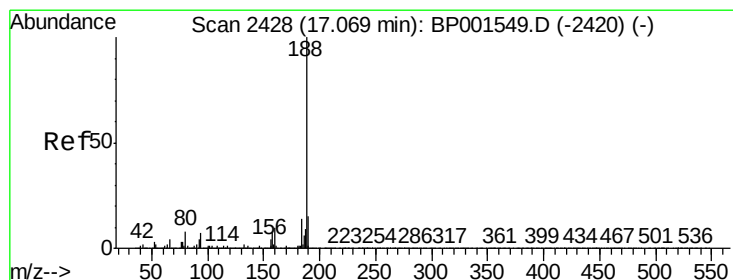
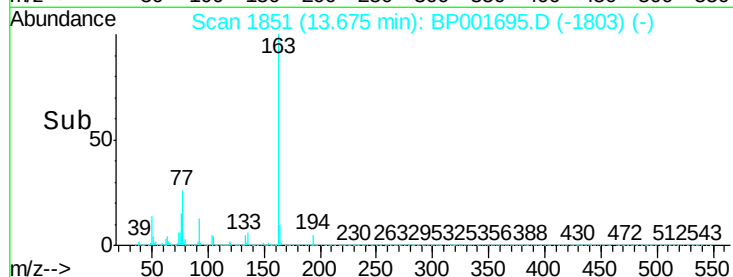
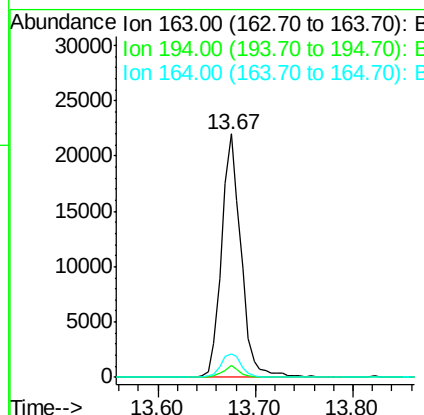
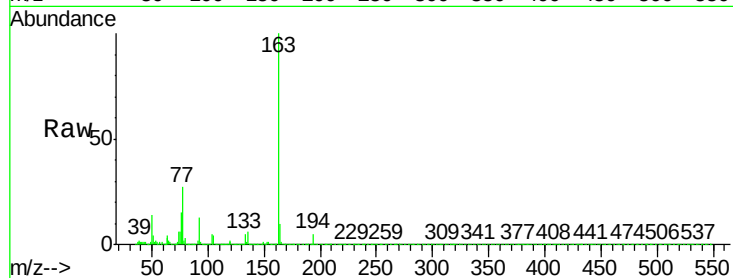




#50  
Dimethylphthalate  
Concen: 6.190 ng  
RT: 13.67 min Scan# 1851  
Delta R.T. -0.02 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

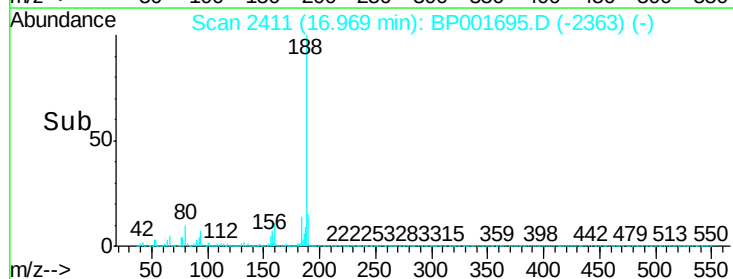
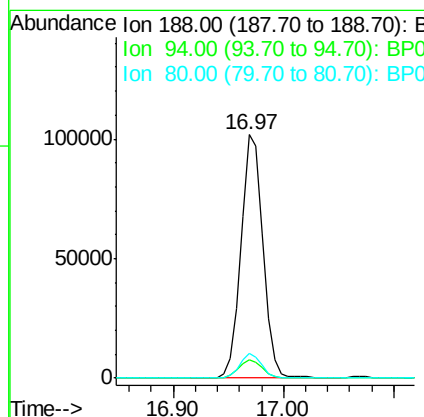
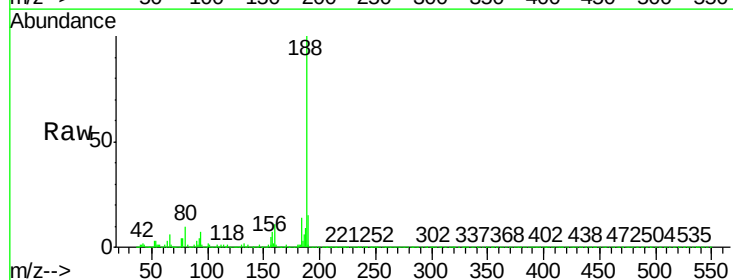
Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion   | 163   | Resp  | 30426 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.8   | 3.6   | 5.4   |
| 164       | 9.6   | 7.5   | 11.3  |

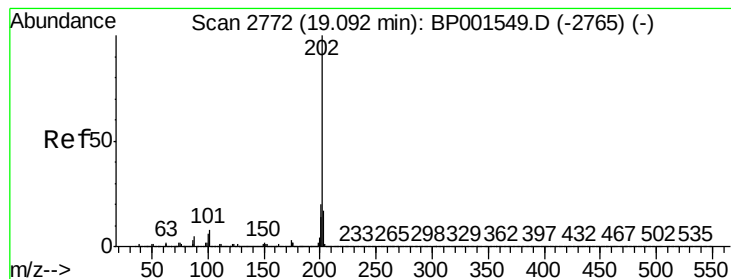


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.97 min Scan# 2411  
Delta R.T. -0.02 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

| Tgt Ion   | 188   | Resp  | 142917 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.4   | 5.9   | 8.9    |
| 80        | 10.3  | 6.8   | 10.2#  |







#75

Fluoranthene

Concen: 3.059 ng

RT: 19.00 min Scan# 2756

Delta R.T. -0.02 min

Lab File: BP001695.D

Acq: 27 Jan 2020 17:31

Instrument :

BNA\_P

ClientSampleId :

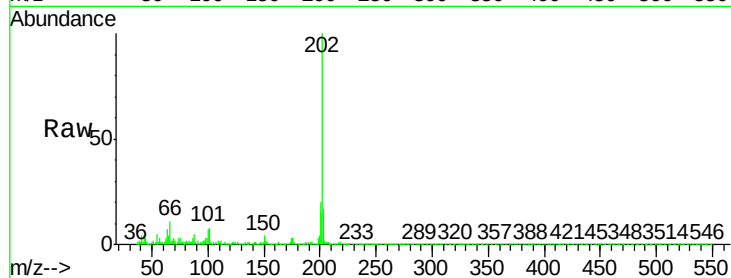
Tot Ion:202 Resp: 31285

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.4

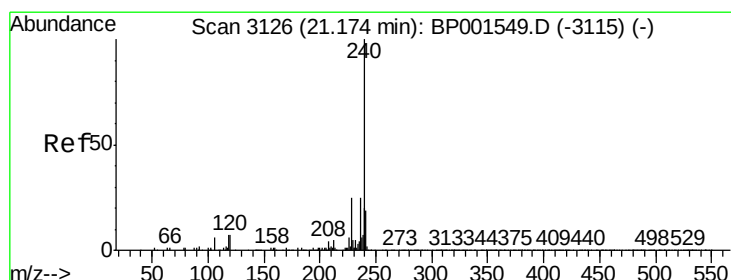
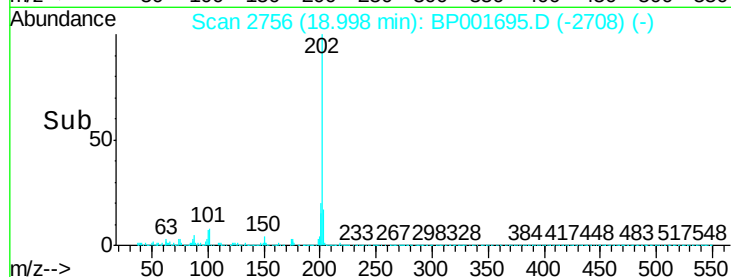
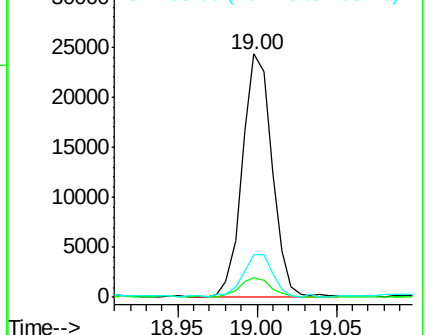
203 17.5 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.08 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BP001695.D

Acq: 27 Jan 2020 17:31

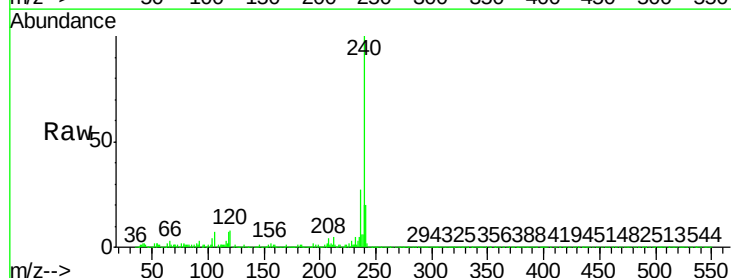
Tgt Ion:240 Resp: 145154

Ion Ratio Lower Upper

240 100

120 8.0 5.7 8.5

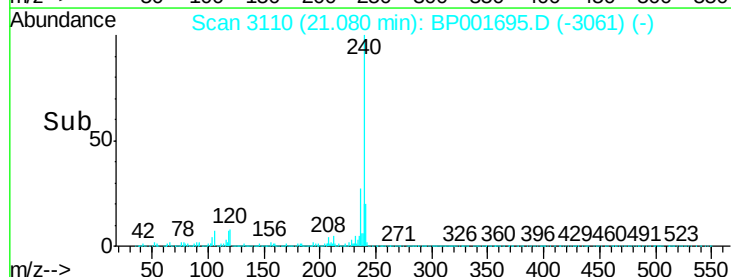
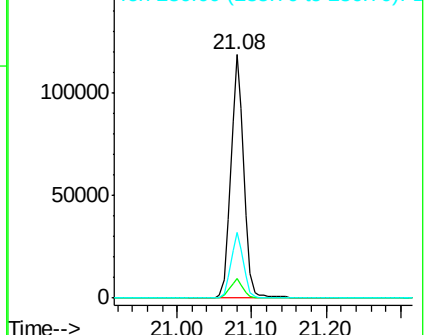
236 26.8 20.4 30.6

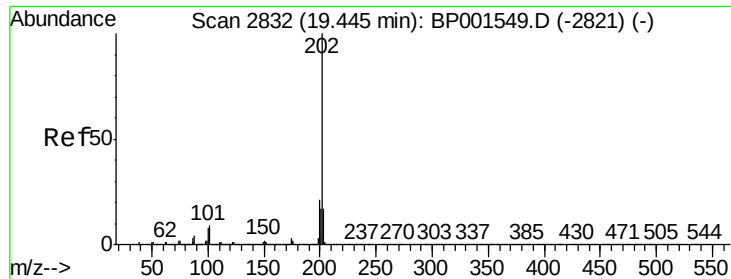


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

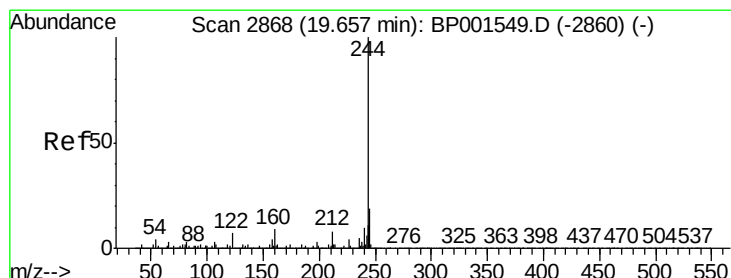
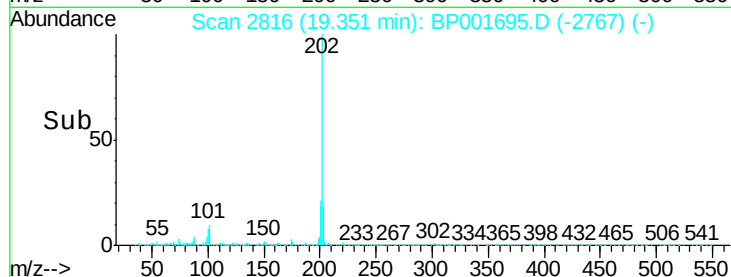
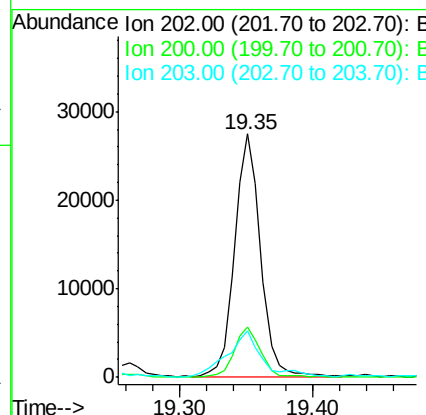
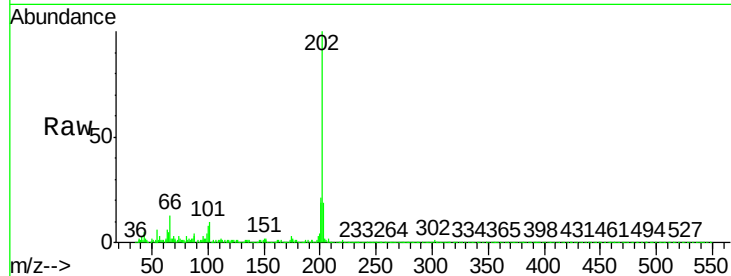




#78  
Pvrene  
Concen: 3.470 ng  
RT: 19.35 min Scan# 2816  
Delta R.T. -0.01 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

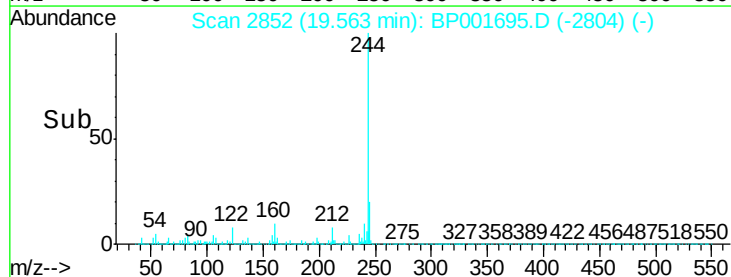
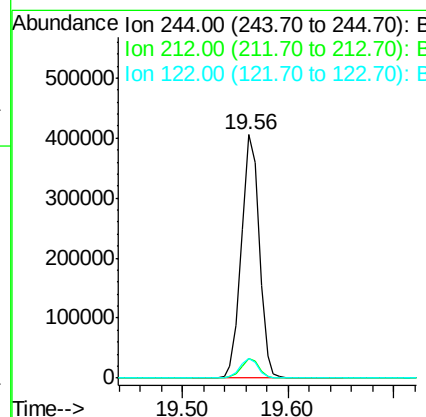
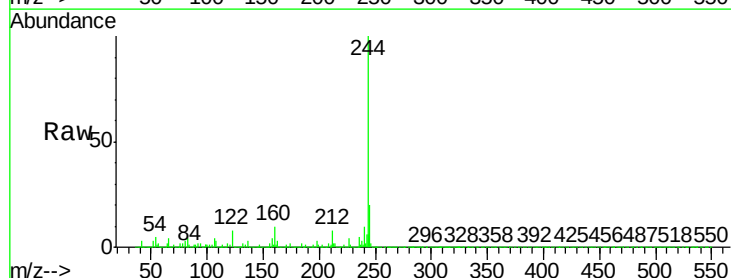
Instrument :  
BNA\_P  
ClientSampleId :

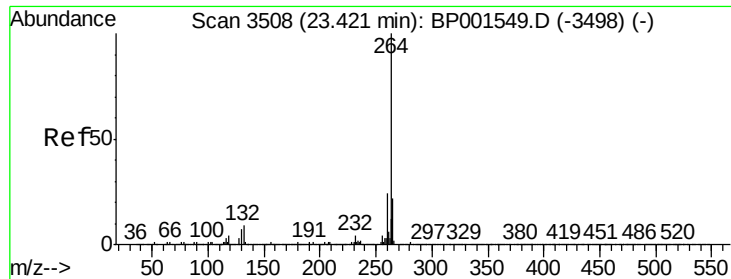
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 17.0  | 25.6  |
| 203     | 19.1  | 13.7  | 20.5  |



#79  
Terphenyl-d14  
Concen: 59.334 ng  
RT: 19.56 min Scan# 2852  
Delta R.T. -0.02 min  
Lab File: BP001695.D  
Acq: 27 Jan 2020 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.3   | 6.3   | 9.5   |
| 122     | 8.1   | 5.8   | 8.6   |

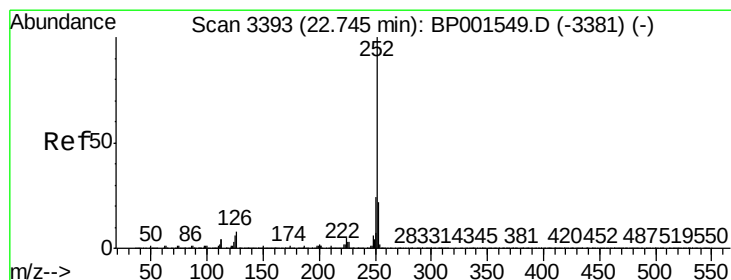
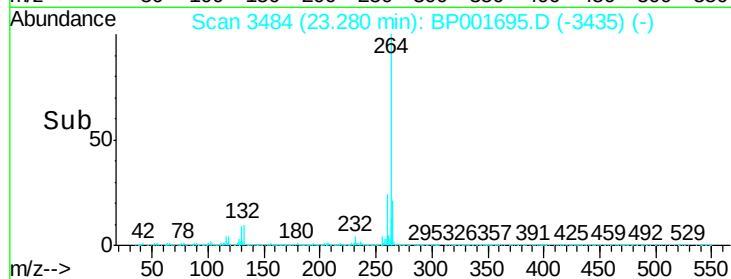
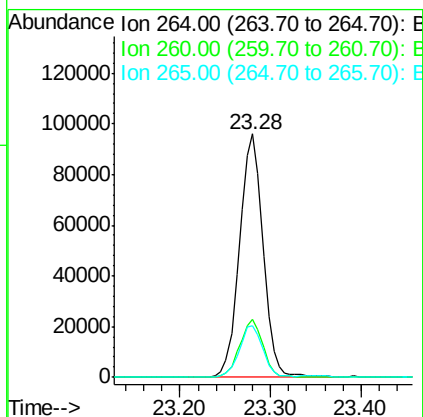
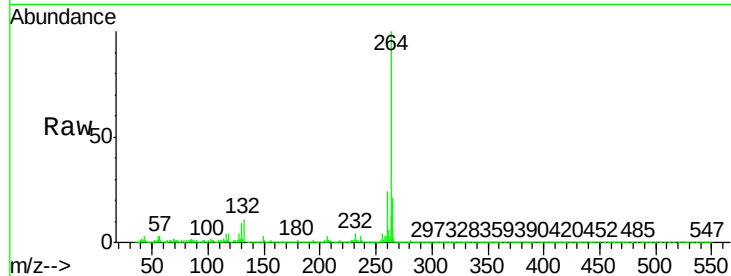




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.28 min Scan# 3484  
 Delta R.T. -0.01 min  
 Lab File: BP001695.D  
 Acq: 27 Jan 2020 17:31

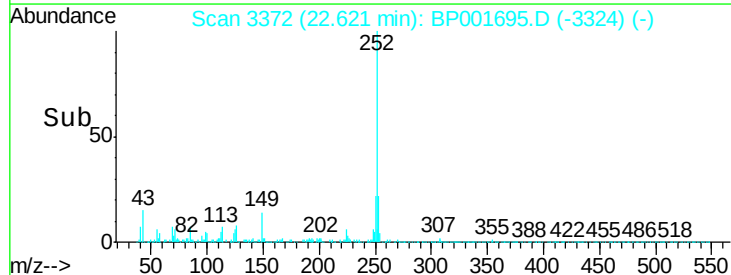
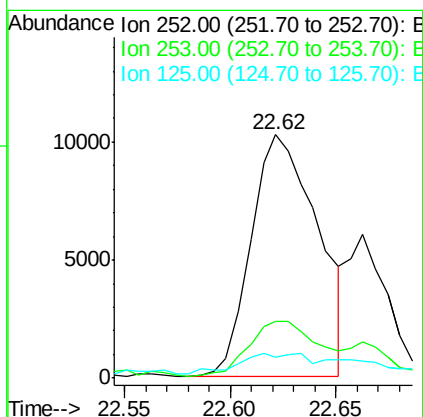
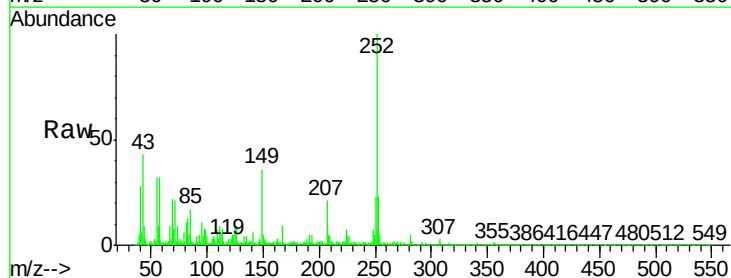
Instrument :  
 BNA\_P  
 ClientSampleId :

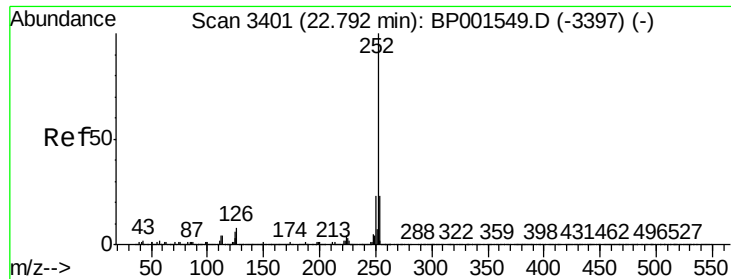
Tot Ion:264 Resp: 173264  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.0 28.6  
 265 21.3 18.2 27.4



#88  
 Benzo(b)fluoranthene  
 Concen: 2.051 ng  
 RT: 22.62 min Scan# 3372  
 Delta R.T. -0.02 min  
 Lab File: BP001695.D  
 Acq: 27 Jan 2020 17:31

Tgt Ion:252 Resp: 22391  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.6 26.4  
 125 8.7 4.6 7.0#





#89

Benzo(k)fluoranthene

Concen: 2.103 ng

RT: 22.62 min Scan# 3372

Delta R.T. -0.06 min

Lab File: BP001695.D

Acq: 27 Jan 2020 17:31

Instrument :

BNA\_P

ClientSampleId :

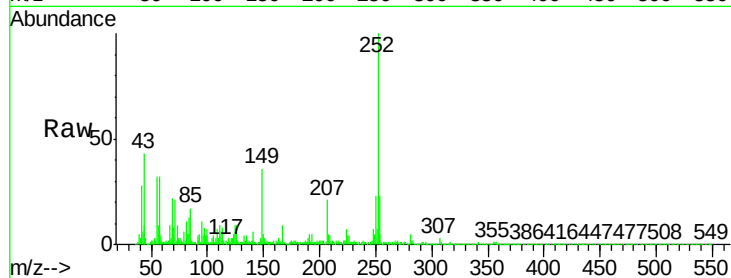
Tot Ion:252 Resp: 22391

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

125 8.7 4.6 6.8#



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

