

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\  
 Data File : BP002630.D  
 Acq On : 02 Jul 2020 14:49  
 Operator : CG/JU  
 Sample : L3172-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP2-SS

Quant Time: Jul 02 18:09:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 29 16:51:57 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 283650   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.34 | 136  | 1114534  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.22 | 164  | 725353   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.98 | 188  | 1623751  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.09 | 240  | 1697453  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 1559506  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.19  | 112  | 1589321  | 94.87  | ng    | 0.00     |
| 7) Phenol-d6                | 6.76  | 99   | 2074987  | 88.74  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.72  | 82   | 1362712  | 63.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.72 | 330  | 932921   | 105.75 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.83 | 172  | 3216534  | 65.27  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.57 | 244  | 4973765  | 63.25  | ng    | 0.00     |

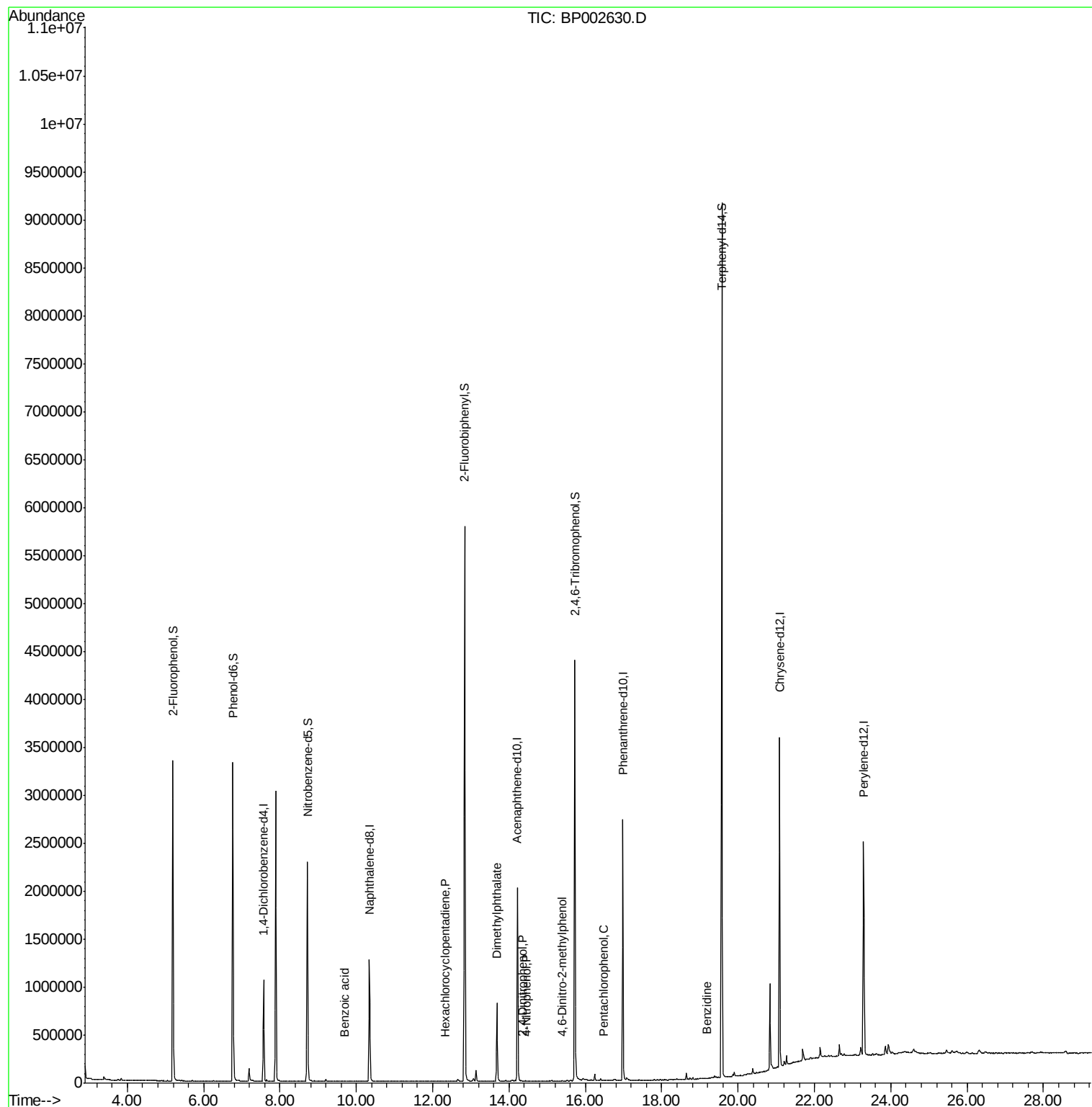
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.69  | 77   | 168      | Below Cal |       | # 36   |
| 32) Benzoic acid               | 9.70  | 122  | 37       | 8.702     | ng    | # 1    |
| 41) Hexachlorocyclopentadiene  | 12.32 | 237  | 19       | 4.383     | ng    | # 83   |
| 50) Dimethylphthalate          | 13.68 | 163  | 582524   | 10.225    | ng    | # 99   |
| 54) 2,4-Dinitrophenol          | 14.35 | 184  | 34       | 6.013     | ng    | # 1    |
| 56) 4-Nitrophenol              | 14.45 | 139  | 53       | 2.441     | ng    | # 10   |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 36       | 2.713     | ng    | # 1    |
| 70) Pentachlorophenol          | 16.49 | 266  | 19       | 2.663     | ng    | # 89   |
| 77) Benzidine                  | 19.18 | 184  | 40       | 3.757     | ng    | # 1    |

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

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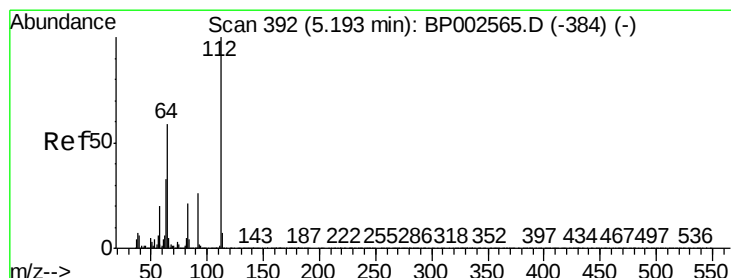
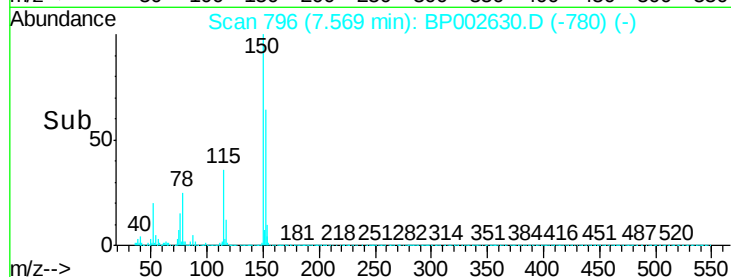
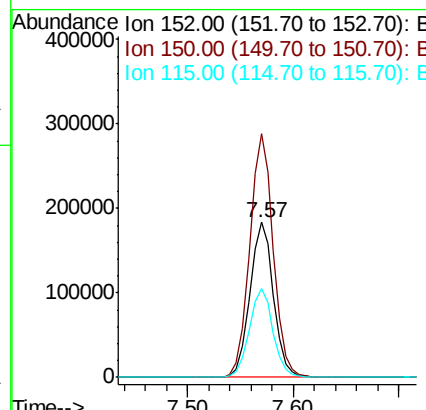
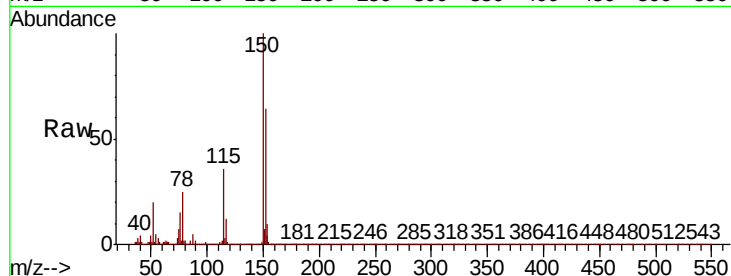


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.57 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

Instrument :  
BNA\_P  
ClientSampleId :  
TP2-SS

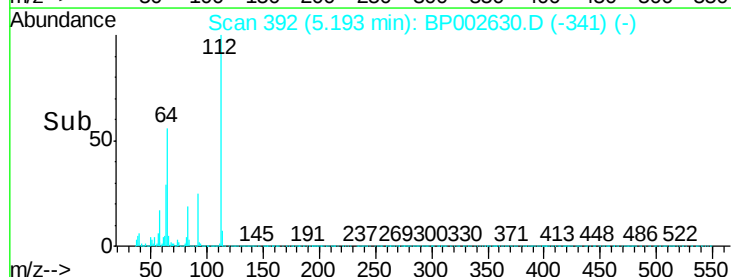
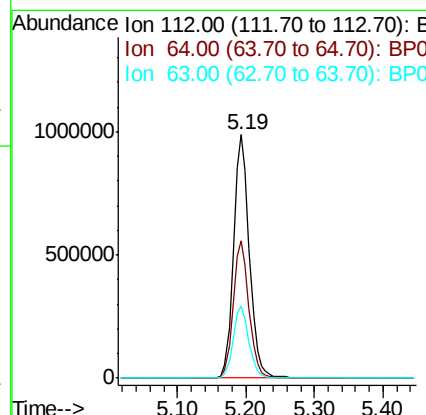
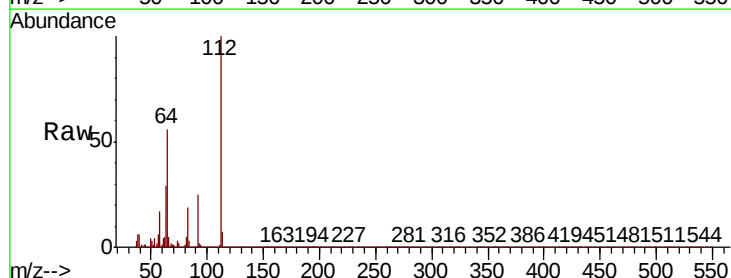
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 124.2 | 186.2 |
| 115     | 57.3  | 47.1  | 70.7  |

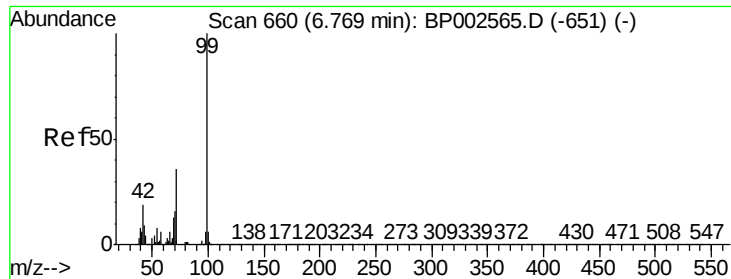


#5

2-Fluorophenol  
Concen: 94.867 ng  
RT: 5.19 min Scan# 392  
Delta R.T. 0.00 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.3  | 47.0  | 70.6  |
| 63      | 29.4  | 26.1  | 39.1  |





#7

Phenol-d6

Concen: 88.739 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

Instrument :

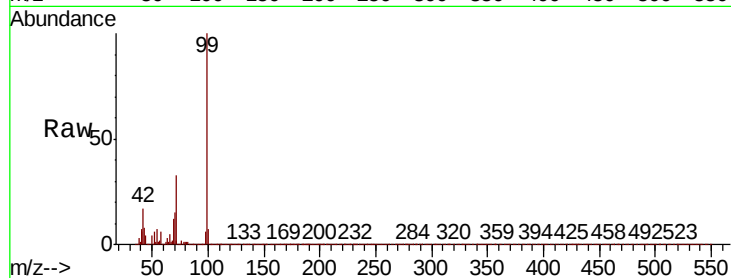
BNA\_P

ClientSampleId :

TP2-SS

Tot Ion: 99 Resp: 2074987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 15.5  | 23.3  |
| 71  | 32.9  | 28.9  | 43.3  |

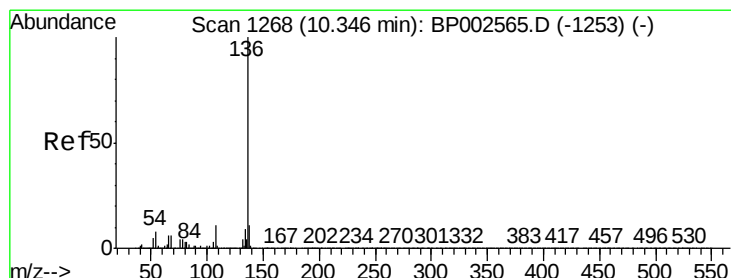
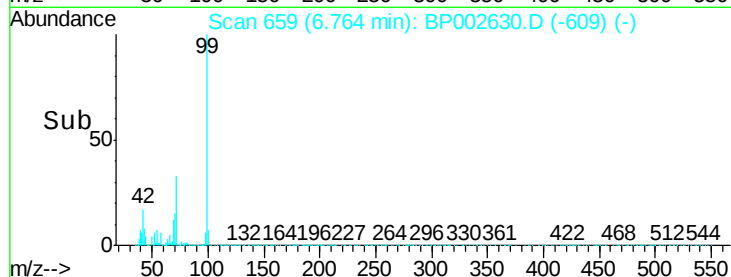
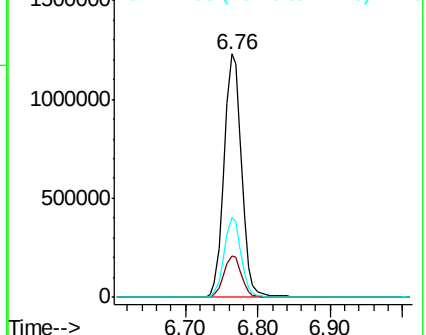


Abundance

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: 10.34 min Scan# 1267

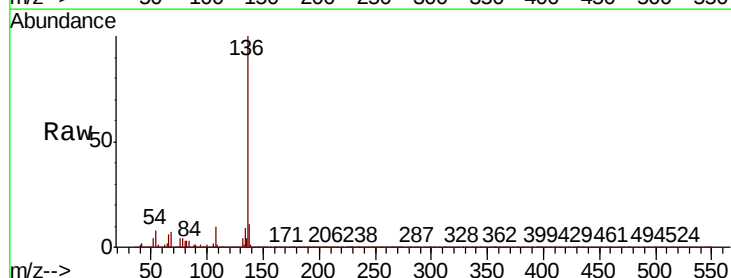
Delta R.T. -0.01 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

Tgt Ion: 136 Resp: 1114534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 8.0   | 6.4   | 9.6   |
| 68  | 6.8   | 5.1   | 7.7   |



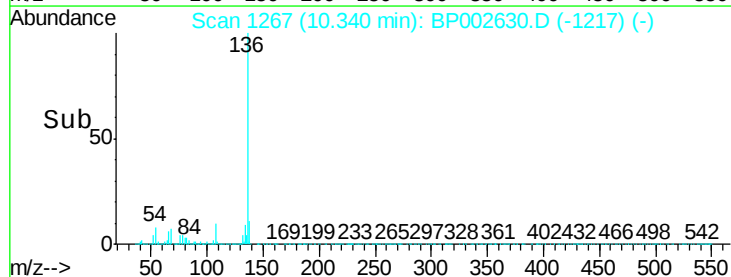
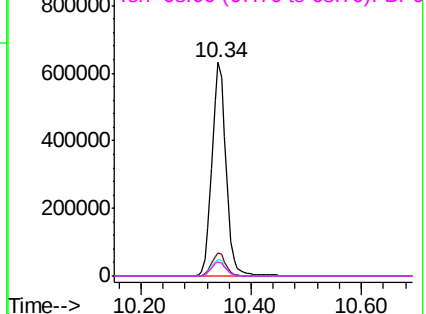
Abundance

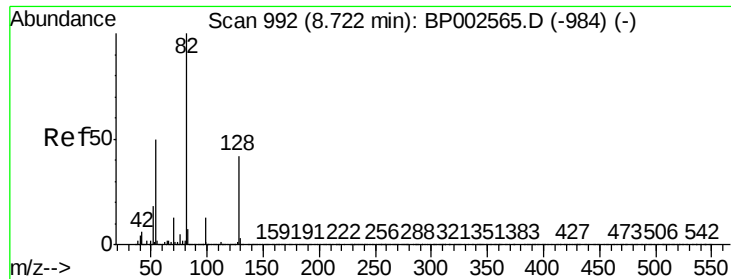
Ion 136.00 (135.70 to 136.70): E

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

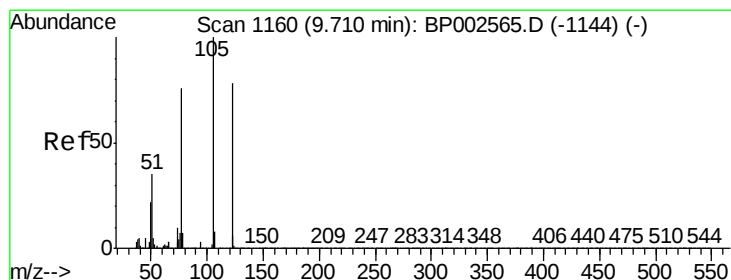
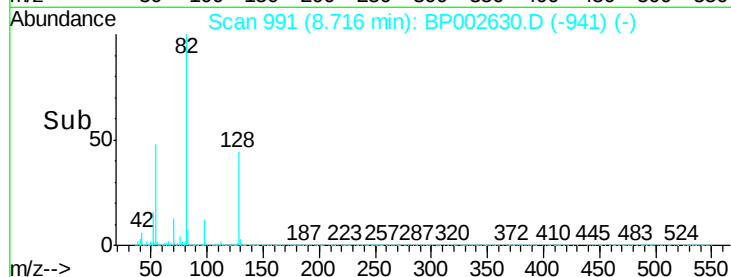
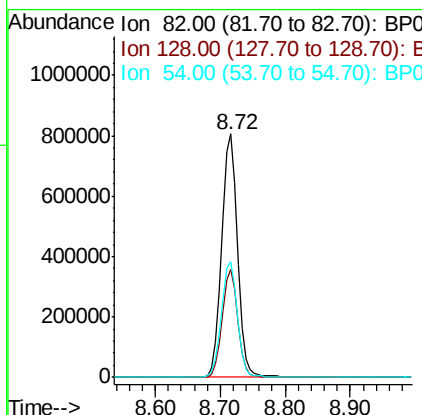
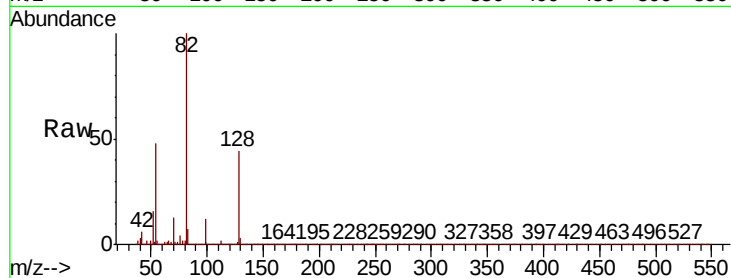




#23  
Nitrobenzene-d5  
Concen: 62.999 ng  
RT: 8.72 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

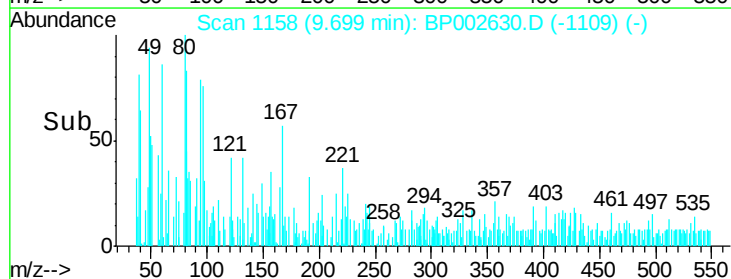
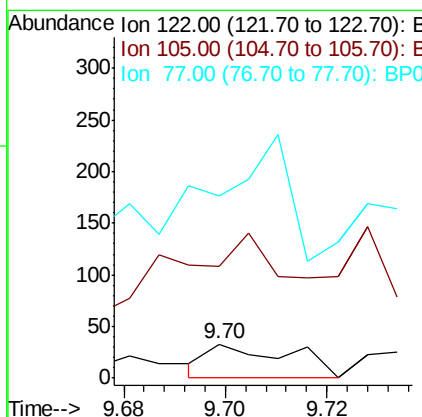
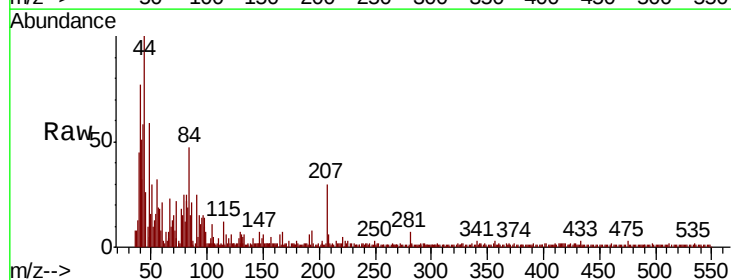
Instrument :  
BNA\_P  
ClientSampleId :  
TP2-SS

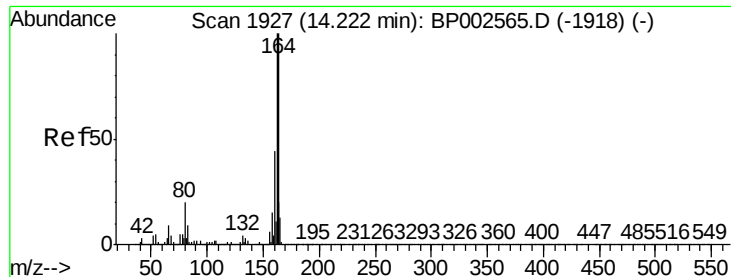
Tot Ion: 82 Resp: 1362712  
Ion Ratio Lower Upper  
82 100  
128 44.2 33.4 50.2  
54 47.6 40.1 60.1



#32  
Benzoic acid  
Concen: 8.702 ng  
RT: 9.70 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

Tgt Ion:122 Resp: 37  
Ion Ratio Lower Upper  
122 100  
105 327.3 106.6 146.6#  
77 536.4 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

Instrument :

BNA\_P

ClientSampleId :

TP2-SS

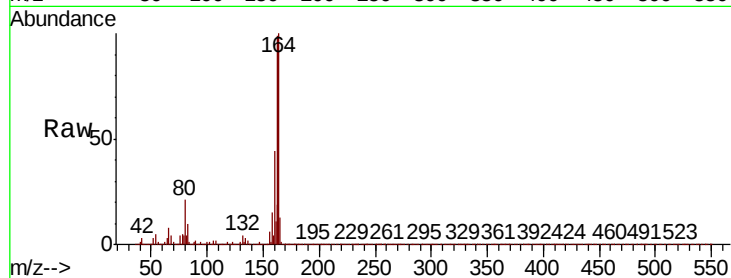
Tot Ion:164 Resp: 725353

Ion Ratio Lower Upper

164 100

162 98.9 80.3 120.5

160 43.6 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.22

600000

500000

400000

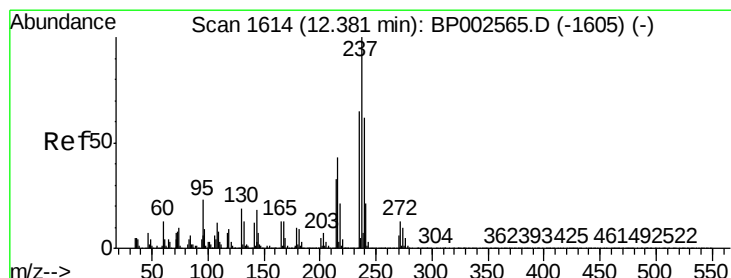
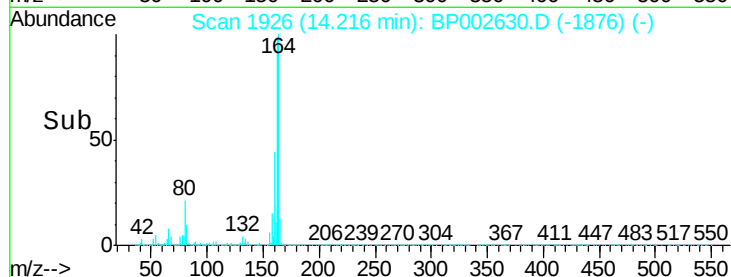
300000

200000

100000

0

Time-->



#41

Hexachlorocyclopentadiene

Concen: 4.383 ng

RT: 12.32 min Scan# 1603

Delta R.T. -0.06 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

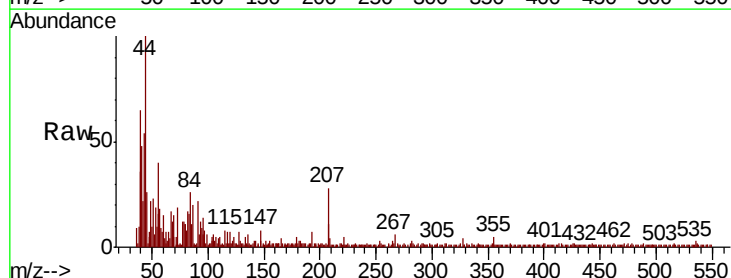
Tgt Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 56.5 45.4 85.4

272 30.4 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

12.32

40

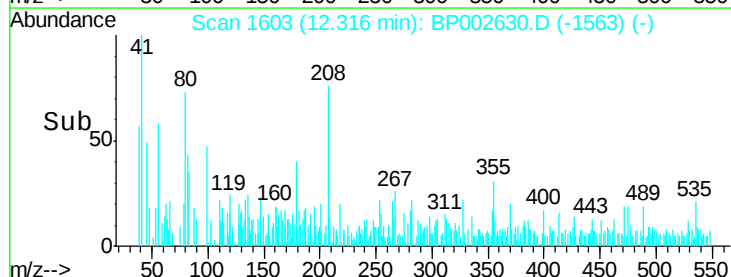
30

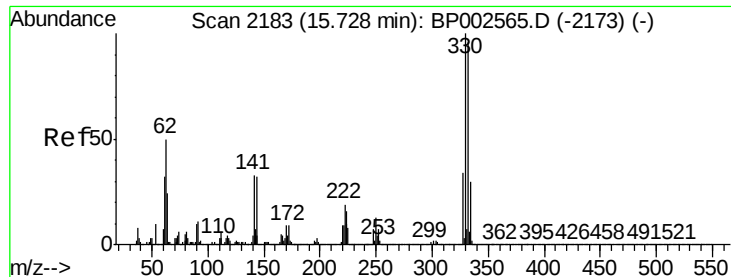
20

10

0

Time-->

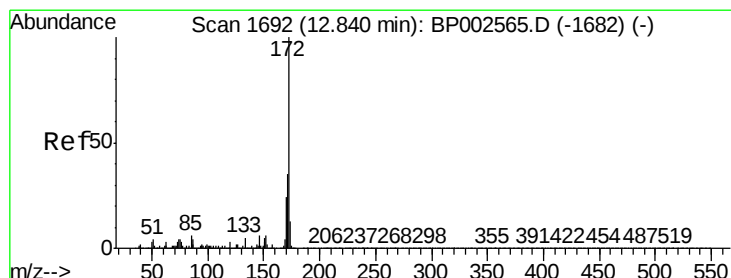
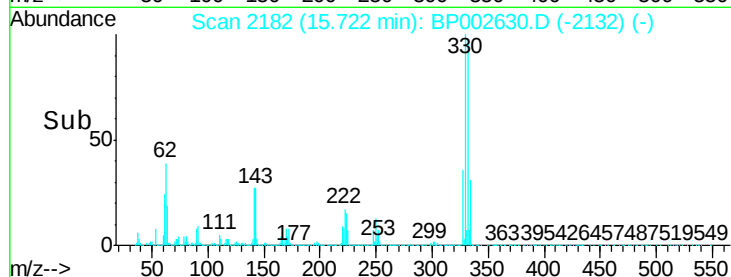
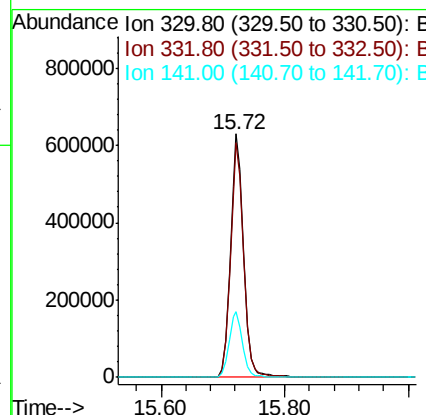
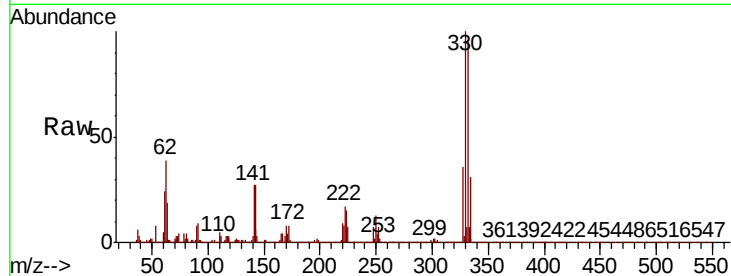




#42  
 2,4,6-Tribromophenol  
 Concen: 105.745 ng  
 RT: 15.72 min Scan# 2182  
 Delta R.T. -0.01 min  
 Lab File: BP002630.D  
 Acq: 02 Jul 2020 14:49

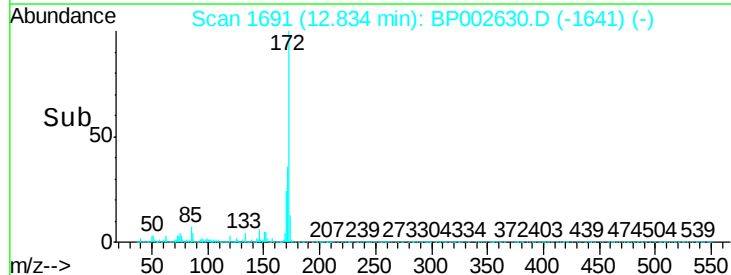
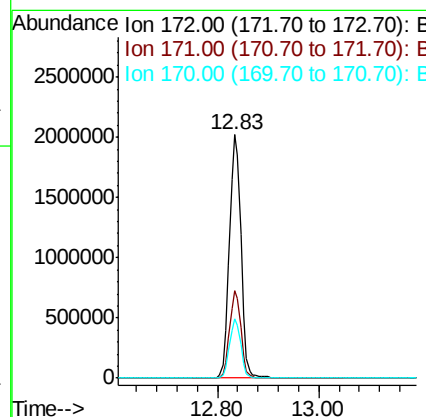
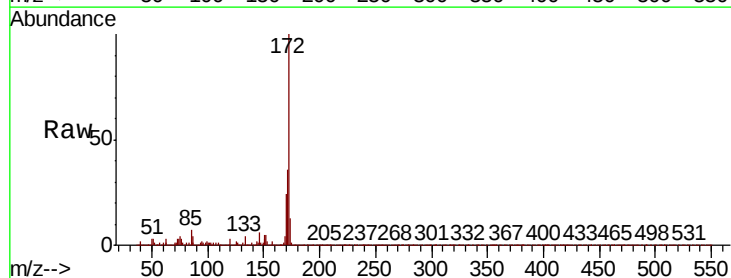
Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP2-SS

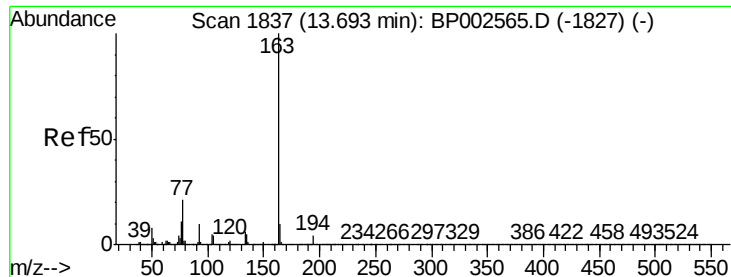
Tot Ion:330 Resp: 932921  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.7 116.5  
 141 27.9 29.0 43.6#



#45  
 2-Fluorobiphenyl  
 Concen: 65.268 ng  
 RT: 12.83 min Scan# 1691  
 Delta R.T. -0.01 min  
 Lab File: BP002630.D  
 Acq: 02 Jul 2020 14:49

Tgt Ion:172 Resp: 3216534  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.0 42.0  
 170 24.1 19.0 28.4





#50

Dimethylphthalate

Concen: 10.225 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

Instrument :

BNA\_P

ClientSampleId :

TP2-SS

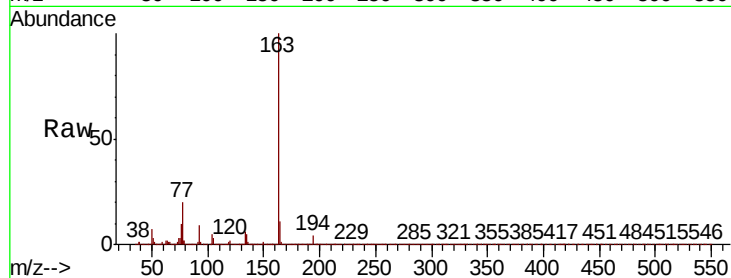
Tot Ion:163 Resp: 582524

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

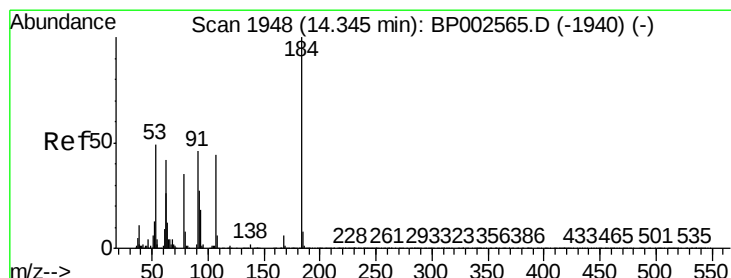
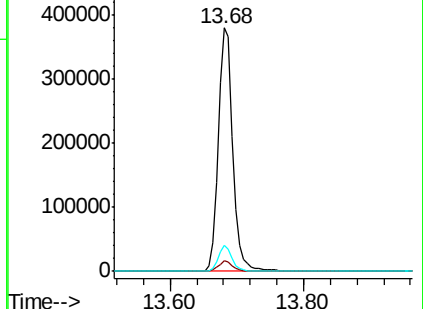
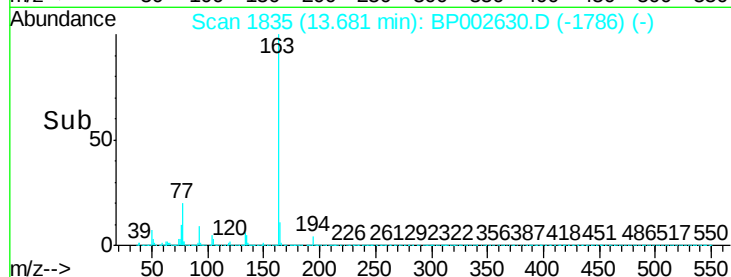
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.013 ng

RT: 14.35 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

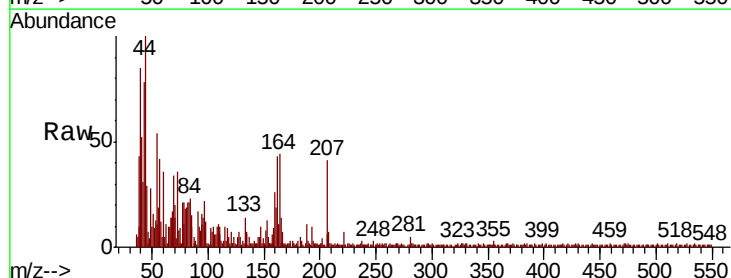
Tgt Ion:184 Resp: 34

Ion Ratio Lower Upper

184 100

63 338.2 56.2 84.2#

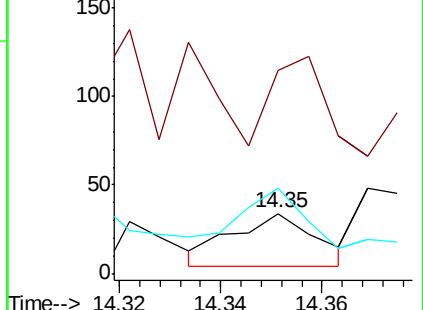
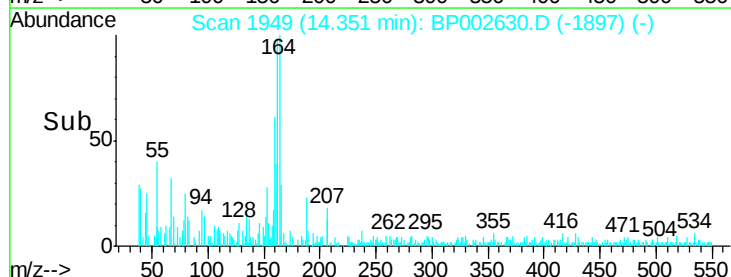
154 141.2 50.9 76.3#

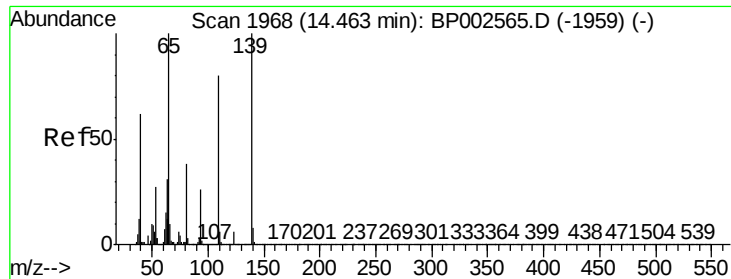


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

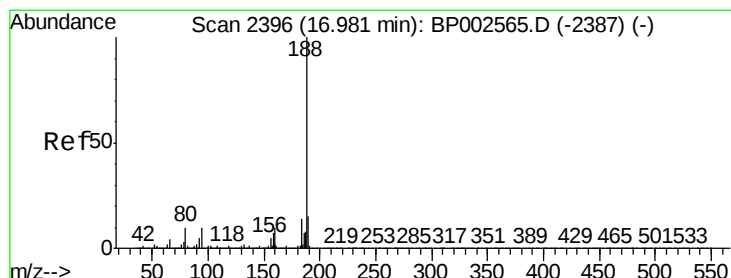
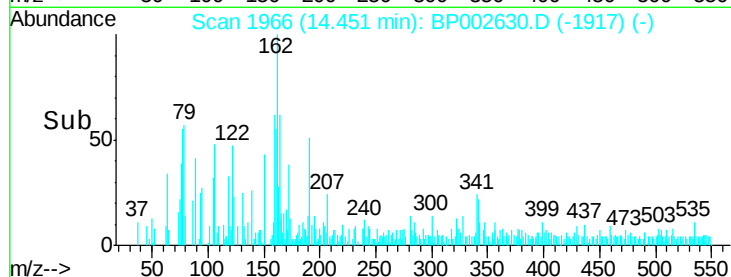
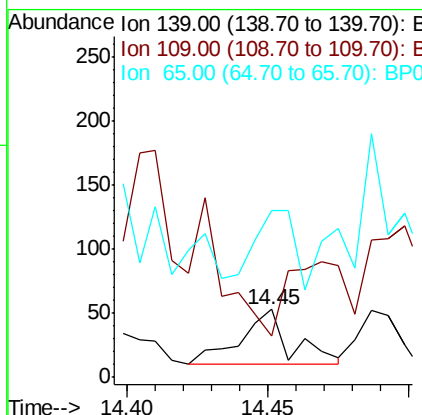
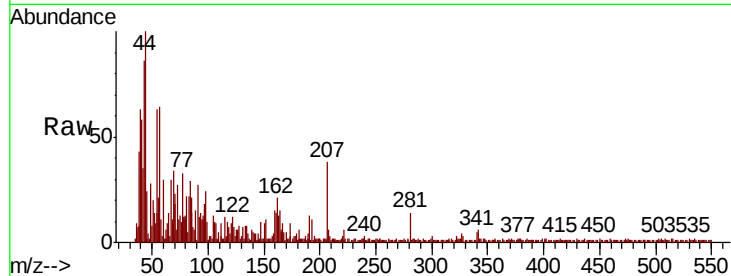




#56  
4-Nitrophenol  
Concen: 2.441 ng  
RT: 14.45 min Scan# 1966  
Delta R.T. -0.01 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

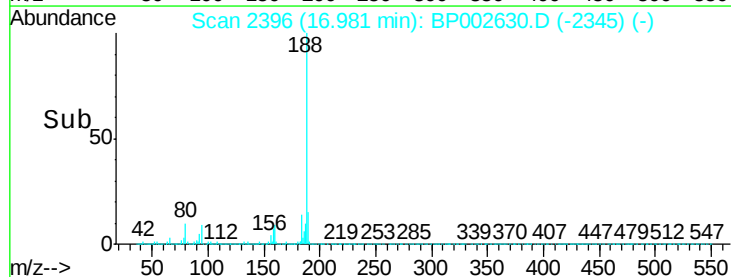
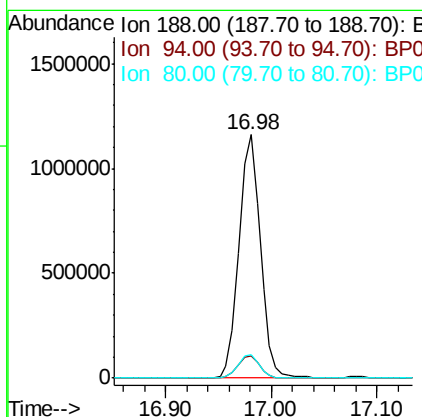
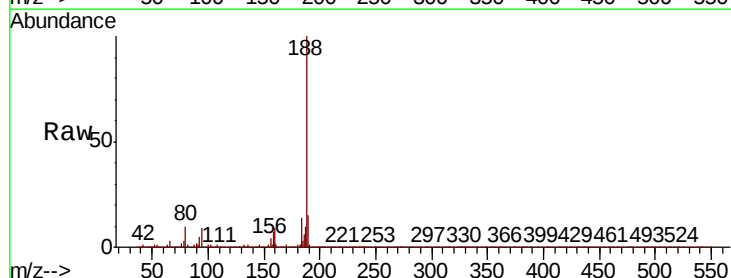
Instrument :  
BNA\_P  
ClientSampled :  
TP2-SS

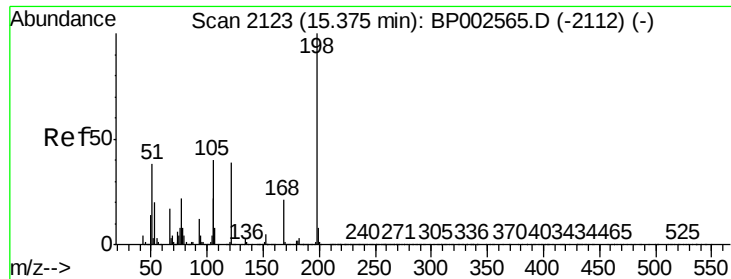
Tot Ion:139 Resp: 53  
Ion Ratio Lower Upper  
139 100  
109 60.4 60.1 100.1  
65 245.3 80.3 120.3#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.98 min Scan# 2396  
Delta R.T. 0.00 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

Tgt Ion:188 Resp: 1623751  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.8 11.6  
80 9.7 8.2 12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 2.713 ng

RT: 15.37 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

Instrument :

BNA\_P

ClientSampleId :

TP2-SS

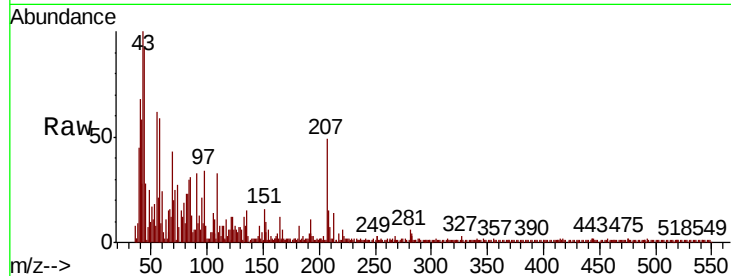
Tot Ion:198 Resp: 36

Ion Ratio Lower Upper

198 100

51 482.1 24.2 64.2#

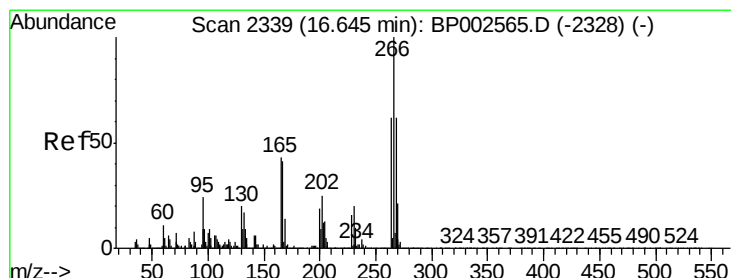
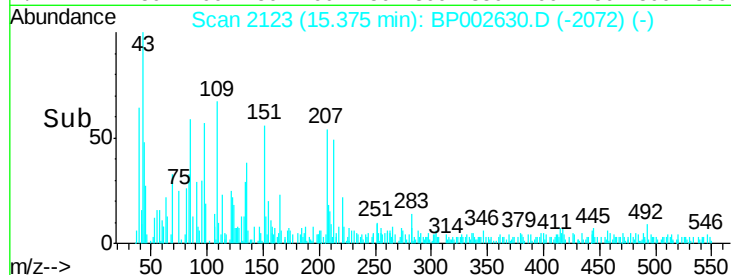
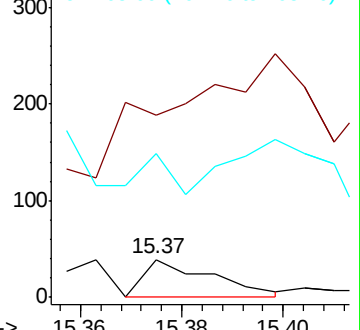
105 382.1 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 2.663 ng

RT: 16.49 min Scan# 2312

Delta R.T. -0.16 min

Lab File: BP002630.D

Acq: 02 Jul 2020 14:49

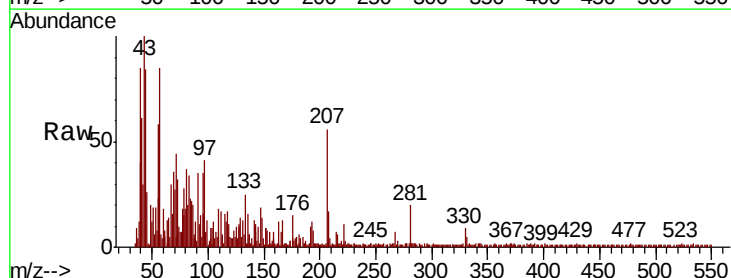
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

268 53.6 49.7 74.5

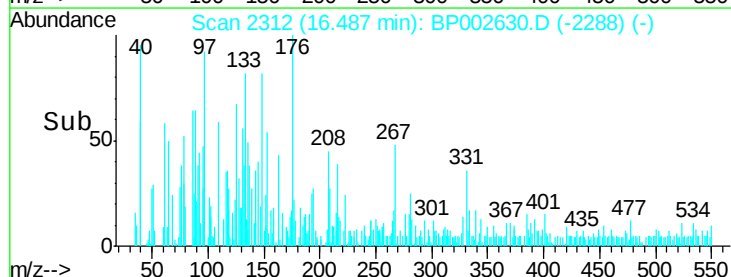
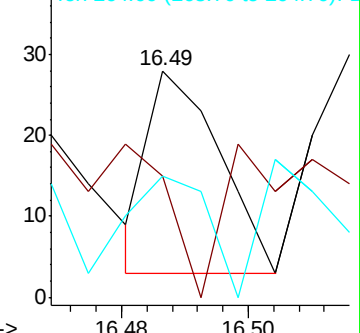
264 53.6 49.3 73.9

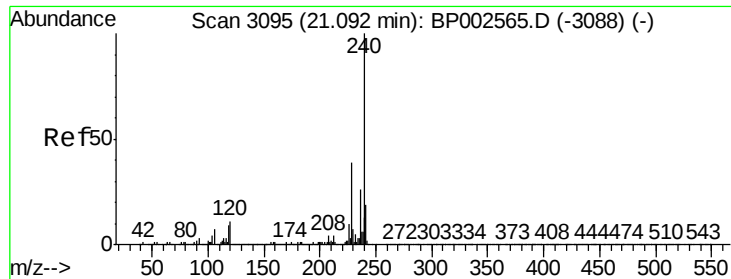


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

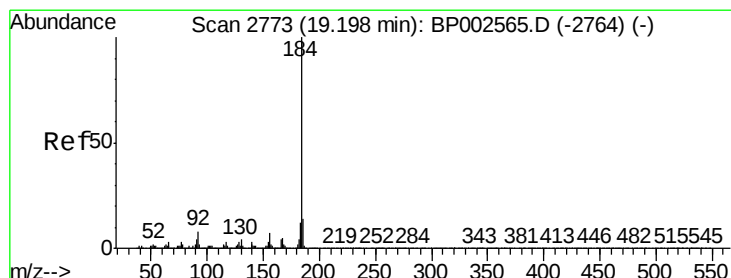
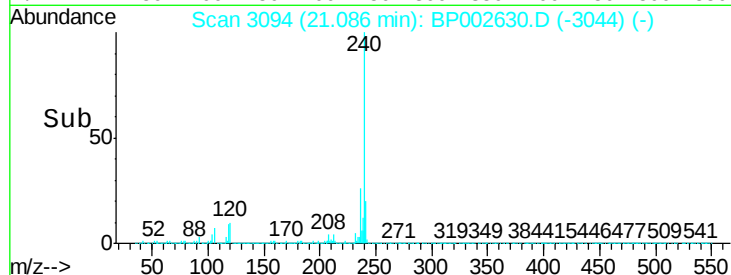
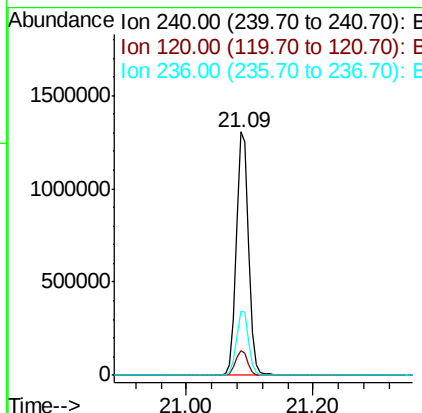
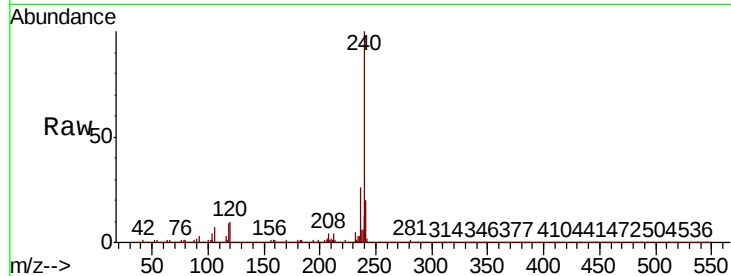




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3094  
Delta R.T. -0.01 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

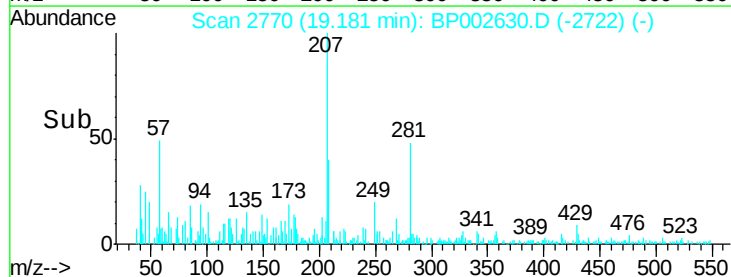
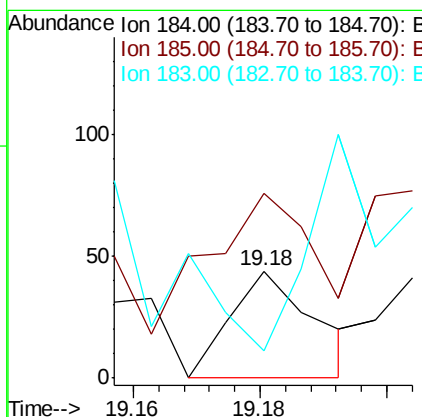
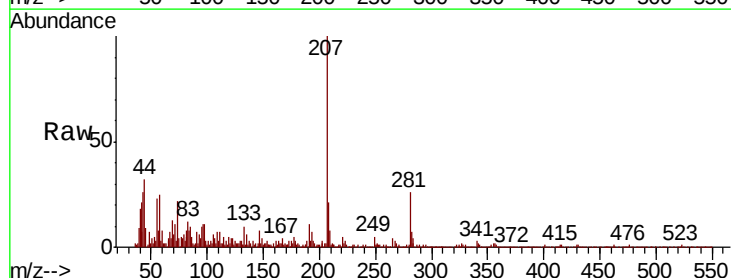
Instrument :  
BNA\_P  
ClientSampleId :  
TP2-SS

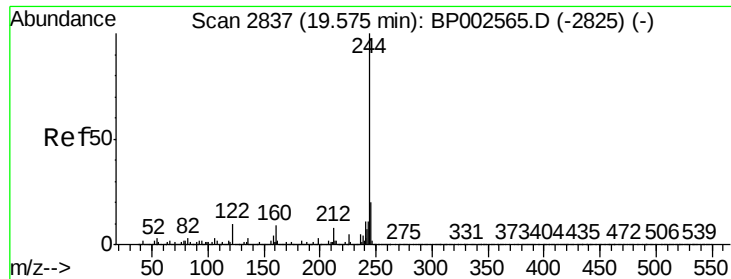
Tot Ion:240 Resp: 1697453  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.6 13.0  
236 26.4 20.8 31.2



#77  
Benzidine  
Concen: 3.757 ng  
RT: 19.18 min Scan# 2770  
Delta R.T. -0.02 min  
Lab File: BP002630.D  
Acq: 02 Jul 2020 14:49

Tgt Ion:184 Resp: 40  
Ion Ratio Lower Upper  
184 100  
185 172.7 11.4 17.2#  
183 75.0 9.2 13.8#

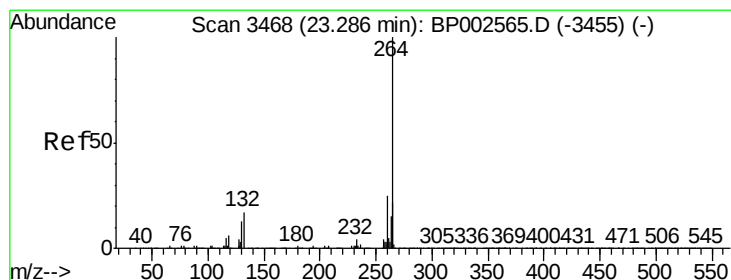
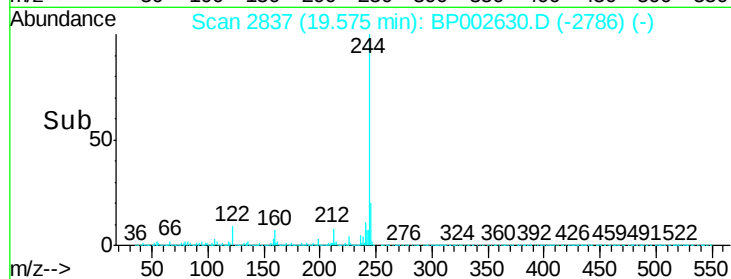
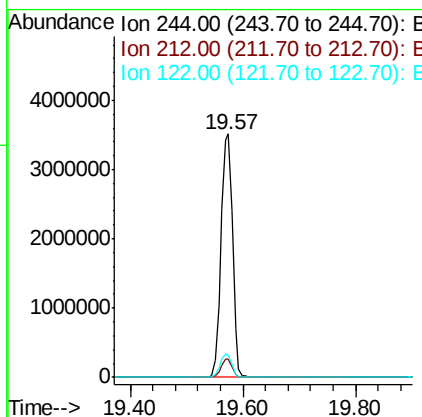
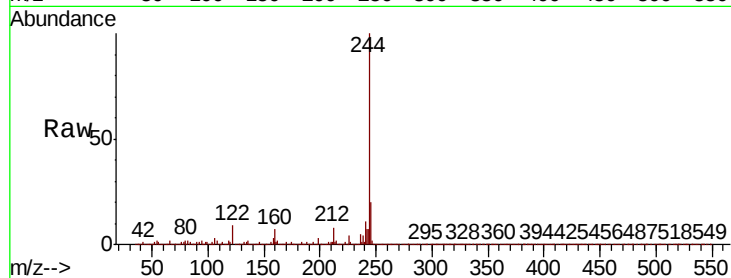




#79  
 Terphenyl-d14  
 Concen: 63.247 ng  
 RT: 19.57 min Scan# 2837  
 Delta R.T. -0.00 min  
 Lab File: BP002630.D  
 Acq: 02 Jul 2020 14:49

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP2-SS

Tot Ion:244 Resp: 4973765  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.5 9.7  
 122 9.0 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.29 min Scan# 3468  
 Delta R.T. 0.00 min  
 Lab File: BP002630.D  
 Acq: 02 Jul 2020 14:49

Tgt Ion:264 Resp: 1559506  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.7 29.5  
 265 21.6 17.6 26.4

