

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\  
 Data File : BP002625.D  
 Acq On : 02 Jul 2020 12:00  
 Operator : CG/JU  
 Sample : L2814-19  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PL-02-063020

Quant Time: Jul 02 12:53:34 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  | 251689   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.35 | 136  | 971544   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.22 | 164  | 615748   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.98 | 188  | 1388003  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.09 | 240  | 1414375  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 1415848  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.19  | 112  | 1843706  | 124.03 | ng    | 0.00     |
| 7) Phenol-d6                | 6.77  | 99   | 2138256  | 103.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.72  | 82   | 1749446  | 92.78  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 957590   | 127.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.84 | 172  | 3467688  | 82.89  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.57 | 244  | 4867558  | 74.28  | ng    | 0.00     |

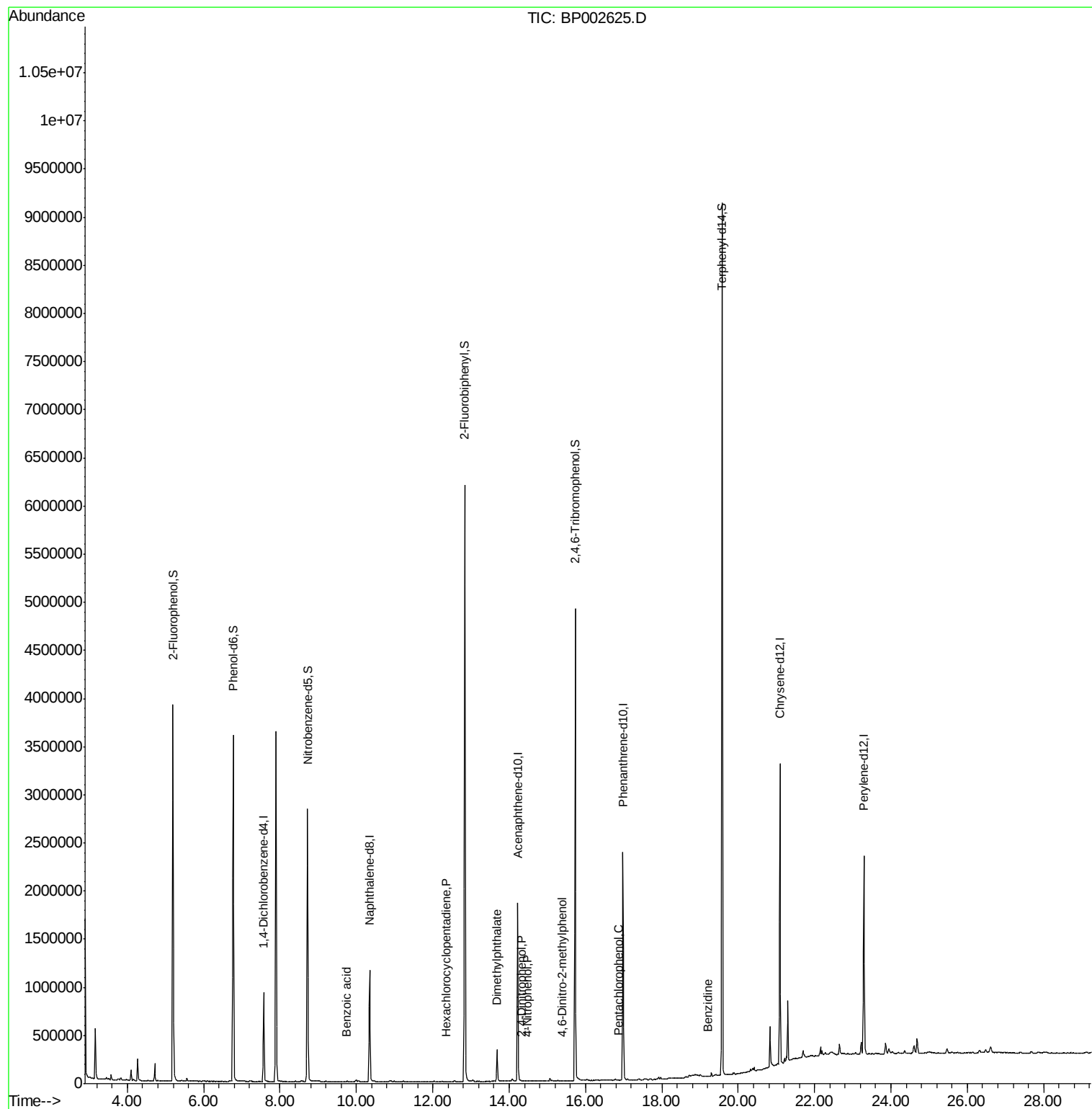
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.72  | 77   | 322      | Below Cal |       | # 57   |
| 32) Benzoic acid               | 9.74  | 122  | 133      | 8.709     | ng    | # 38   |
| 41) Hexachlorocyclopentadiene  | 12.35 | 237  | 10       | 4.383     | ng    | 71     |
| 50) Dimethylphthalate          | 13.69 | 163  | 230565   | 4.767     | ng    | 99     |
| 54) 2,4-Dinitrophenol          | 14.32 | 184  | 32       | 6.013     | ng    | # 1    |
| 56) 4-Nitrophenol              | 14.46 | 139  | 61       | 2.443     | ng    | # 1    |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 47       | 2.715     | ng    | # 1    |
| 70) Pentachlorophenol          | 16.87 | 266  | 35       | 2.665     | ng    | 90     |
| 77) Benzidine                  | 19.22 | 184  | 136      | 3.758     | ng    | # 1    |

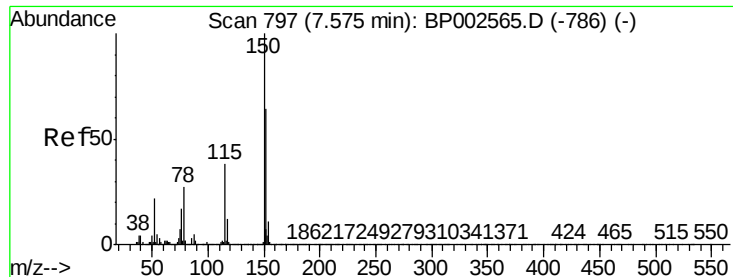
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 29 16:51:57 2020  
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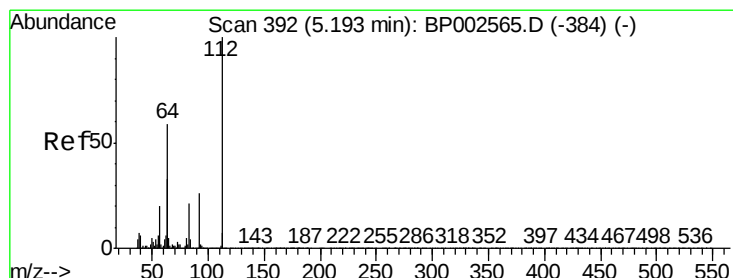
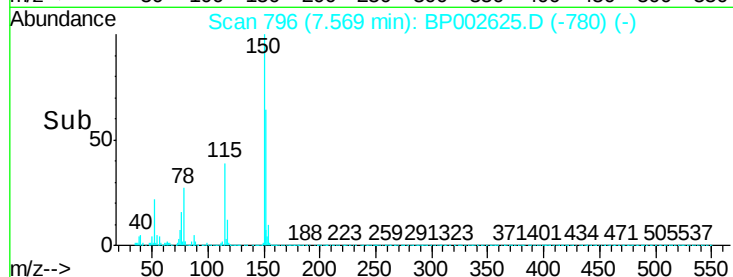
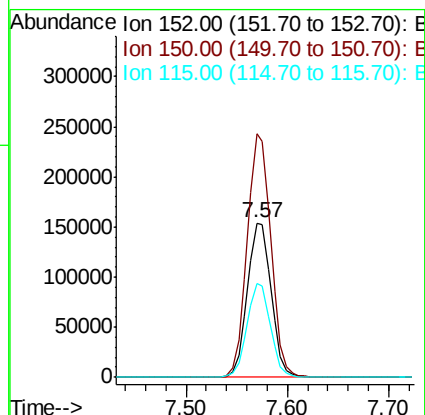
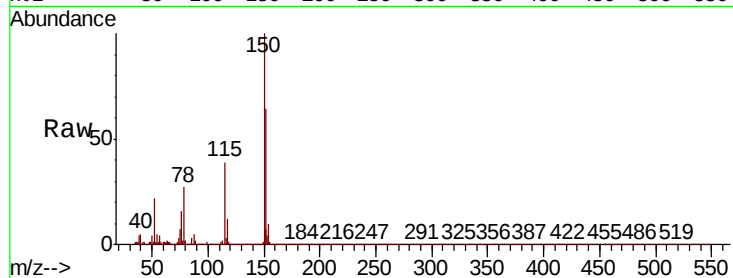


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.57 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

Instrument :  
BNA\_P  
ClientSampleId :  
PL-02-063020

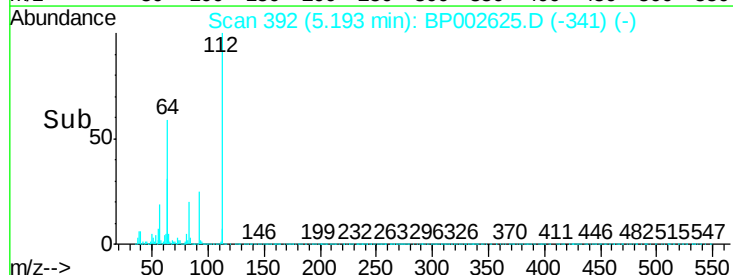
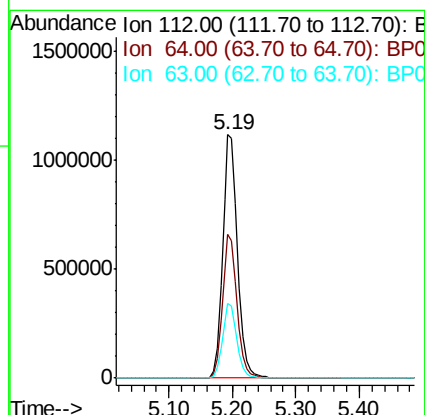
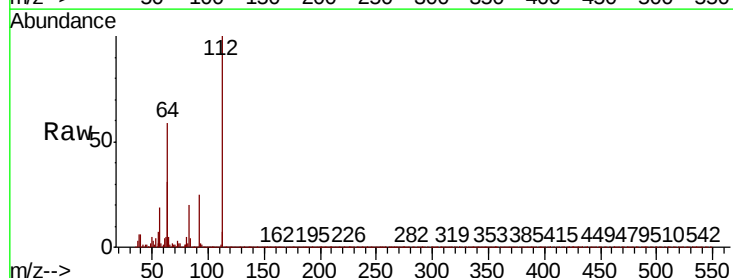
| Tot Ion | 152   | Resp  | 251689 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 157.5 | 124.2 | 186.2  |
| 115     | 60.8  | 47.1  | 70.7   |

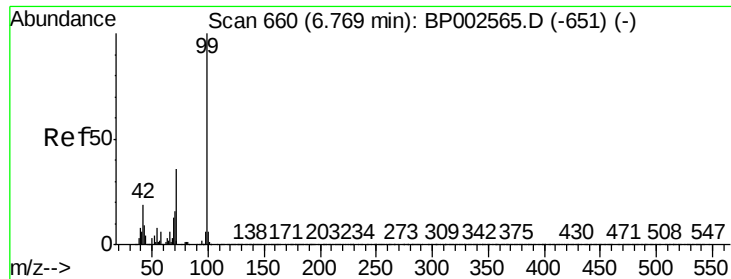


#5

2-Fluorophenol  
Concen: 124.026 ng  
RT: 5.19 min Scan# 392  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

| Tgt Ion | 112   | Resp  | 1843706 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 112     | 100   |       |         |
| 64      | 59.3  | 47.0  | 70.6    |
| 63      | 30.7  | 26.1  | 39.1    |





#7

Phenol-d6

Concen: 103.057 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

Instrument :

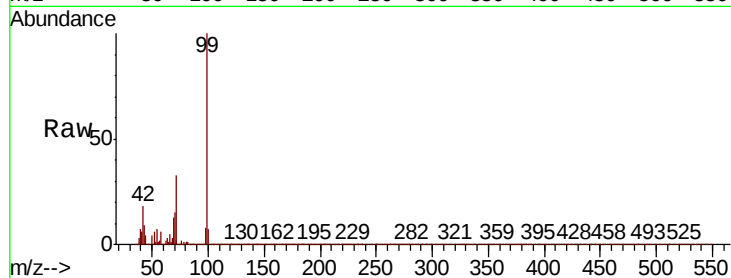
BNA\_P

ClientSampleId :

PL-02-063020

Tot Ion: 99 Resp: 2138256

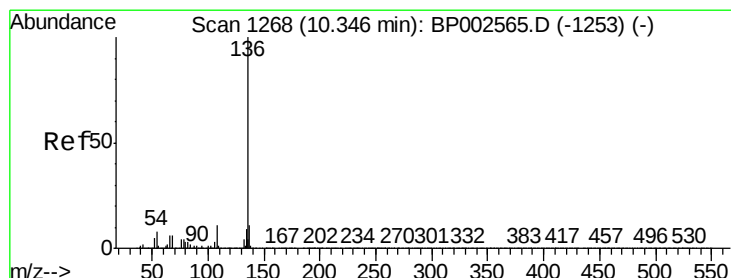
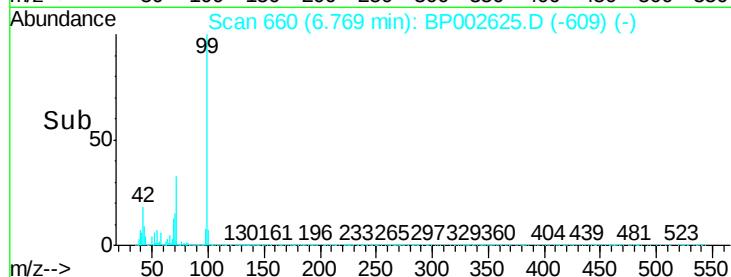
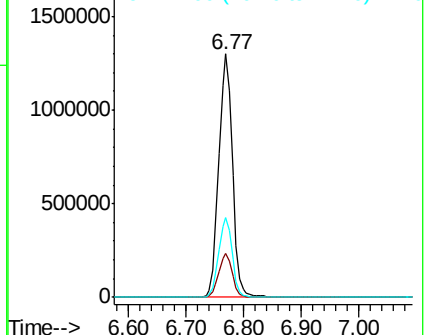
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 15.5  | 23.3  |
| 71  | 32.9  | 28.9  | 43.3  |



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: 10.35 min Scan# 1268

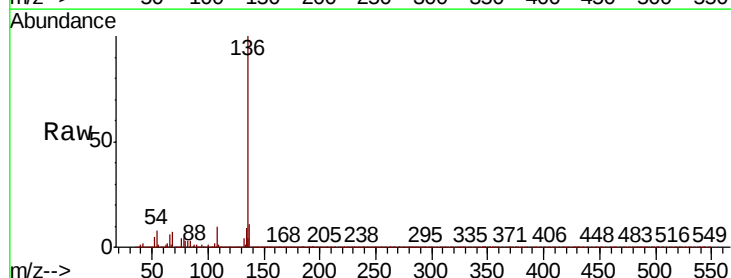
Delta R.T. 0.00 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

Tgt Ion: 136 Resp: 971544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.8   | 13.2  |
| 54  | 8.5   | 6.4   | 9.6   |
| 68  | 7.1   | 5.1   | 7.7   |

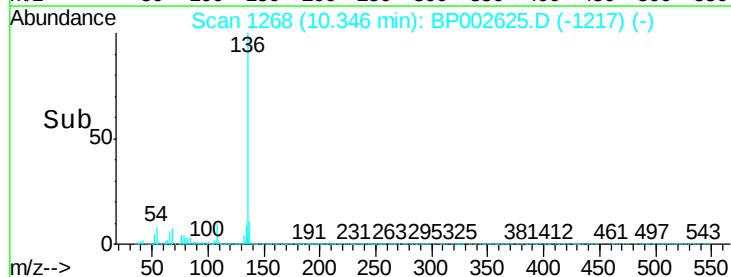
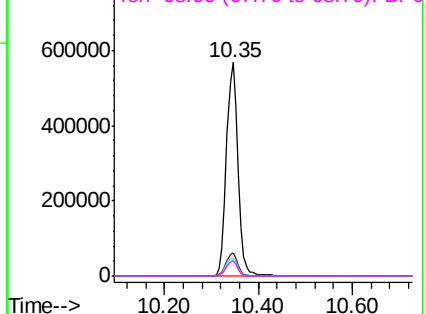


Abundance Ion 136.00 (135.70 to 136.70): E

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

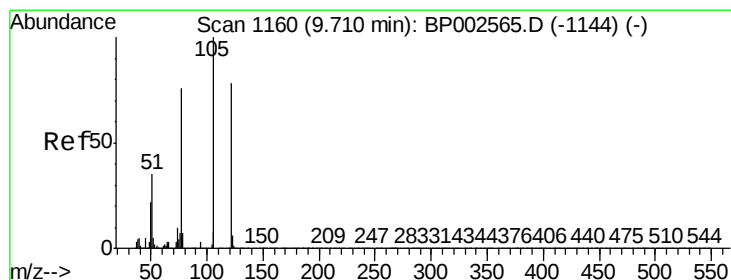
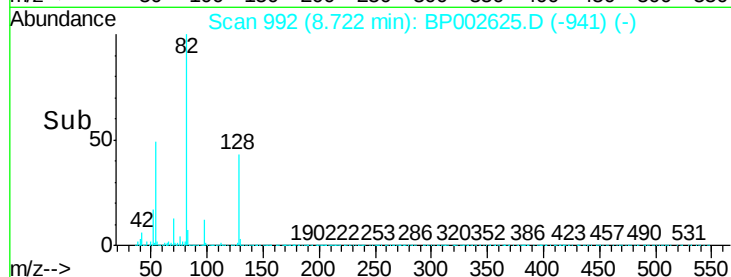
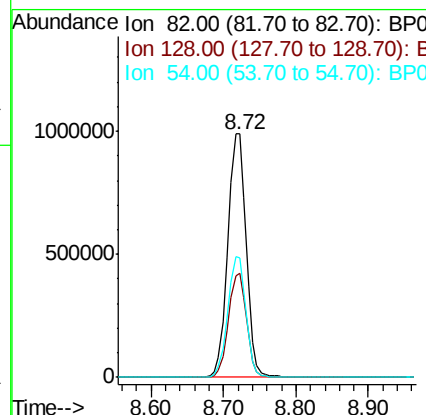
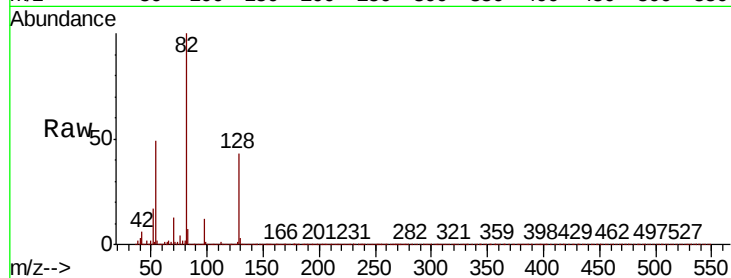




#23  
Nitrobenzene-d5  
Concen: 92.781 ng  
RT: 8.72 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

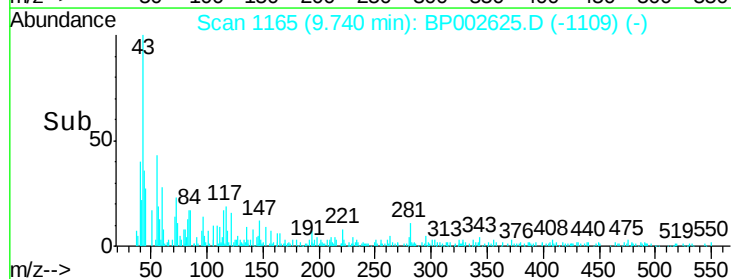
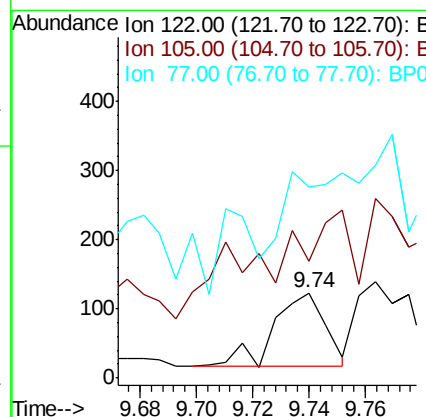
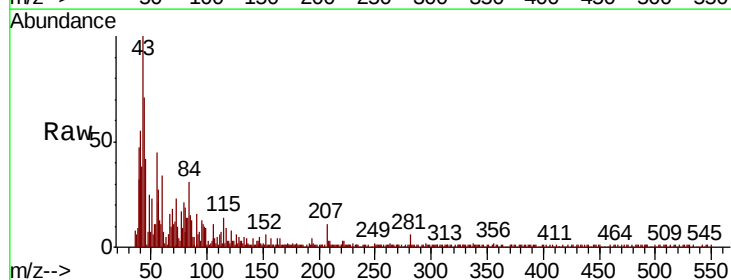
Instrument :  
BNA\_P  
ClientSampleId :  
PL-02-063020

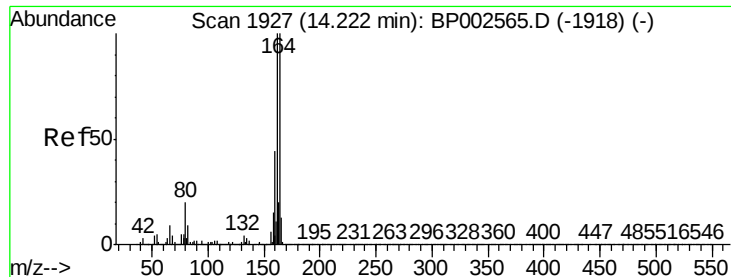
Tot Ion: 82 Resp: 1749446  
Ion Ratio Lower Upper  
82 100  
128 43.0 33.4 50.2  
54 48.9 40.1 60.1



#32  
Benzoic acid  
Concen: 8.709 ng  
RT: 9.74 min Scan# 1165  
Delta R.T. 0.03 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

Tgt Ion: 122 Resp: 133  
Ion Ratio Lower Upper  
122 100  
105 137.4 106.6 146.6  
77 224.4 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

Instrument :

BNA\_P

ClientSampled :

PL-02-063020

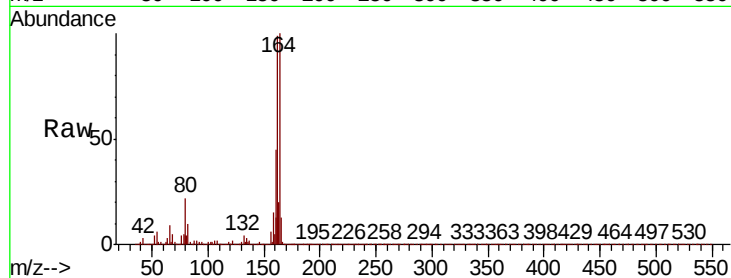
Tot Ion:164 Resp: 615748

Ion Ratio Lower Upper

164 100

162 98.9 80.3 120.5

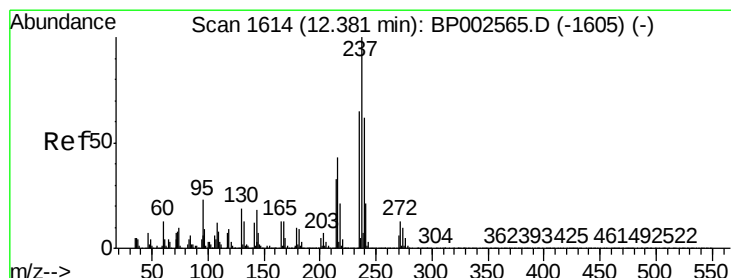
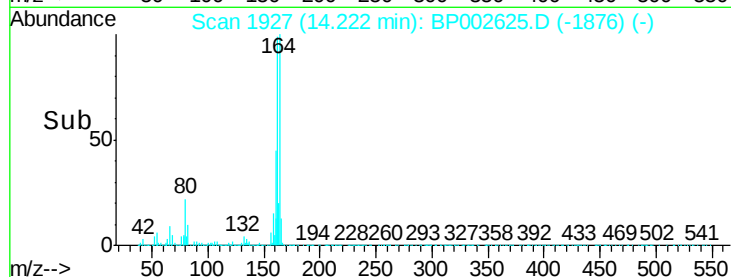
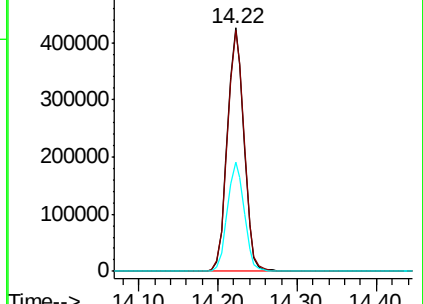
160 44.7 35.0 52.6



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



#41

Hexachlorocyclopentadiene

Concen: 4.383 ng

RT: 12.35 min Scan# 1608

Delta R.T. -0.03 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

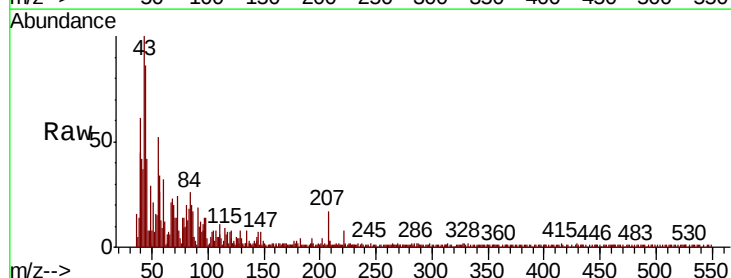
Tgt Ion:237 Resp: 10

Ion Ratio Lower Upper

237 100

235 45.5 45.4 85.4

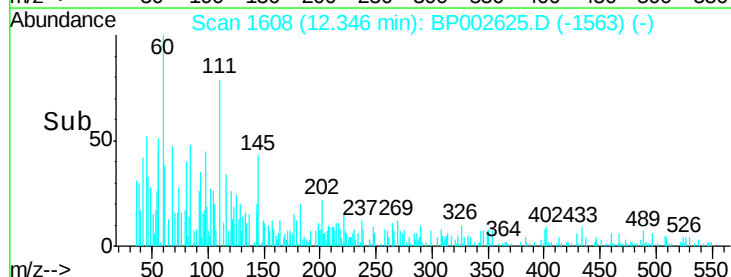
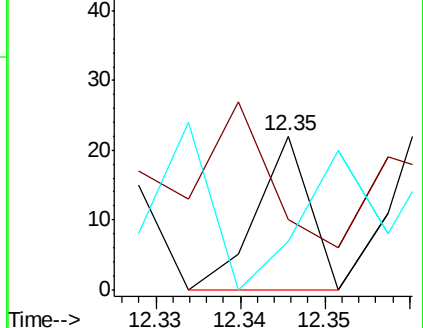
272 31.8 0.0 32.6

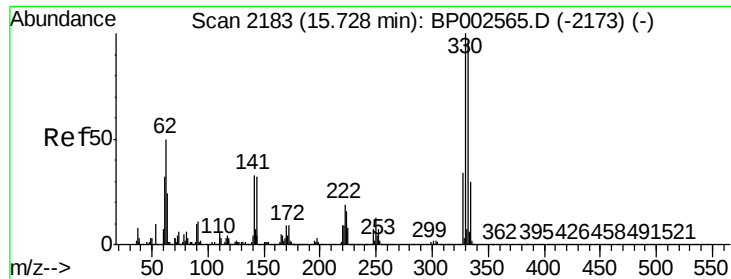


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

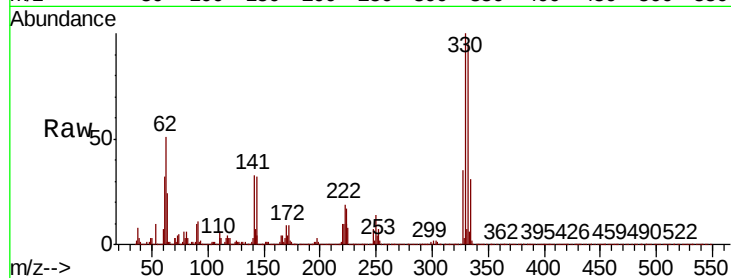




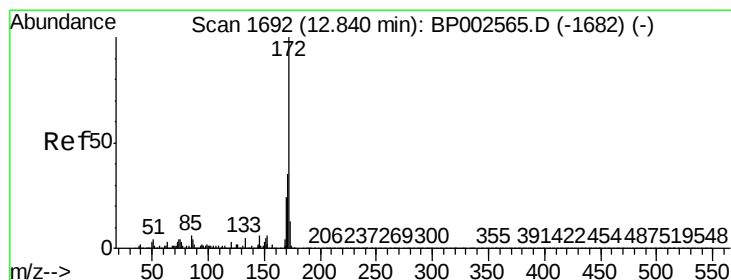
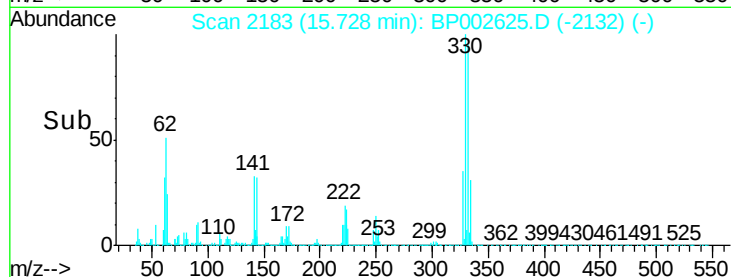
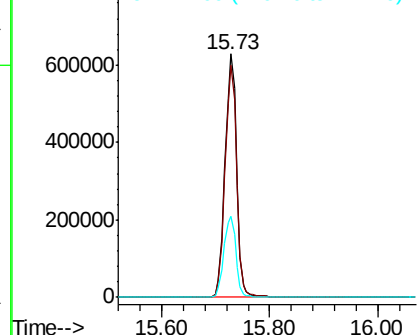
#42  
 2,4,6-Tribromophenol  
 Concen: 127.862 ng  
 RT: 15.73 min Scan# 2183  
 Delta R.T. 0.00 min  
 Lab File: BP002625.D  
 Acq: 02 Jul 2020 12:00

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PL-02-063020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.7  | 116.5 |
| 141     | 34.5  | 29.0  | 43.6  |

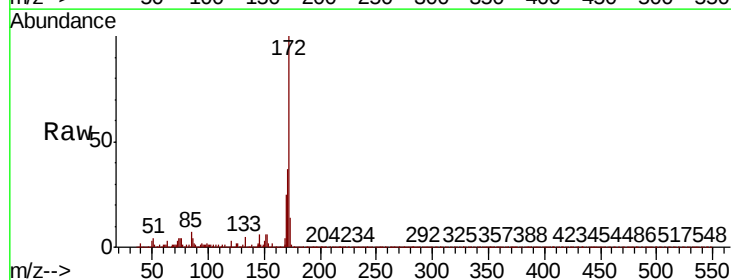


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

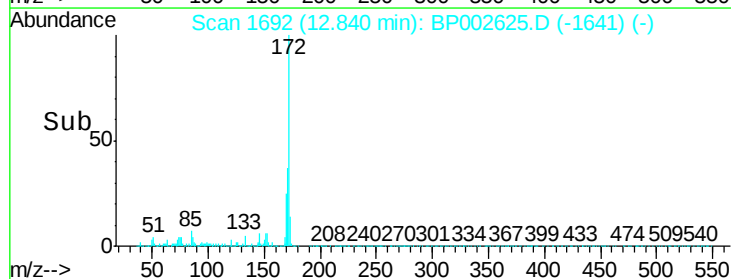
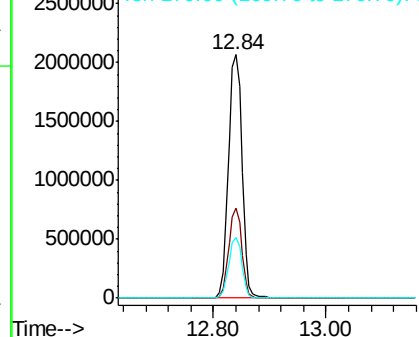


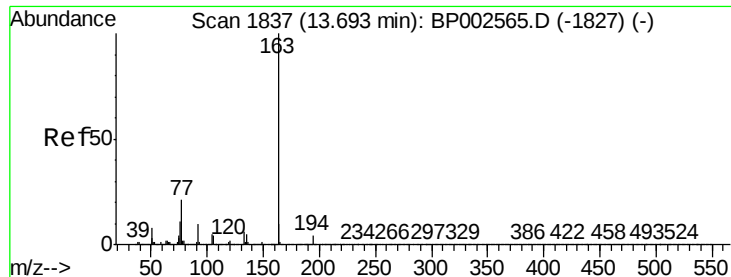
#45  
 2-Fluorobiphenyl  
 Concen: 82.889 ng  
 RT: 12.84 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: BP002625.D  
 Acq: 02 Jul 2020 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.0  | 42.0  |
| 170     | 24.8  | 19.0  | 28.4  |



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: 4.767 ng

RT: 13.69 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

Instrument :

BNA\_P

ClientSampleId :

PL-02-063020

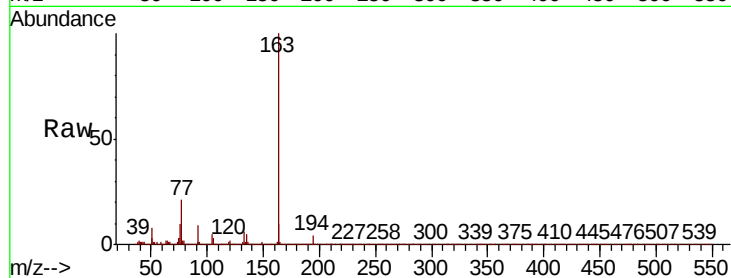
Tot Ion:163 Resp: 230565

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 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

13.69

200000

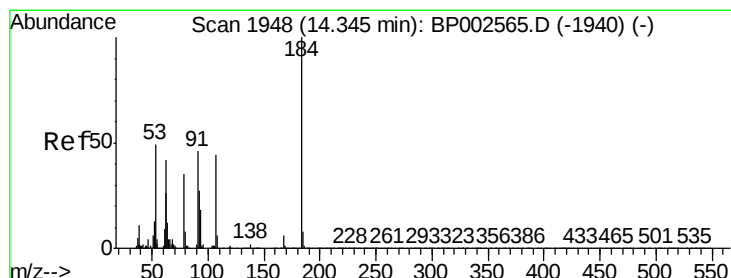
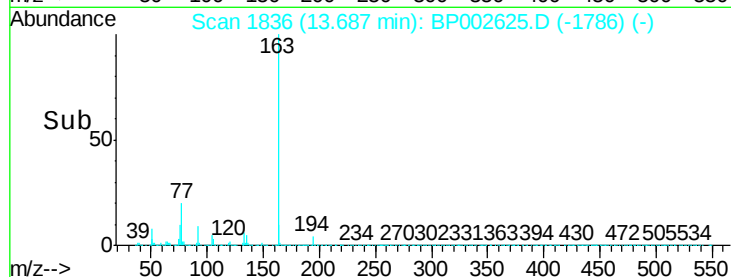
150000

100000

50000

0

Time-->



#54

2,4-Dinitrophenol

Concen: 6.013 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

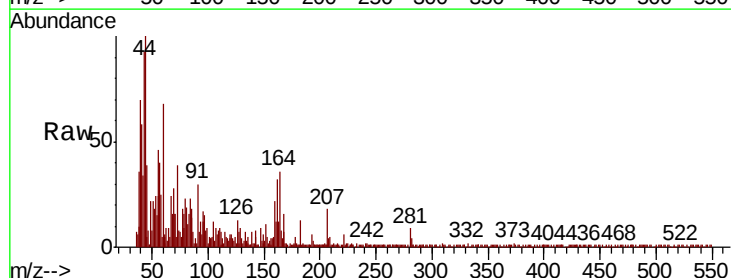
Tgt Ion:184 Resp: 32

Ion Ratio Lower Upper

184 100

63 480.8 56.2 84.2#

154 180.8 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

1000

800

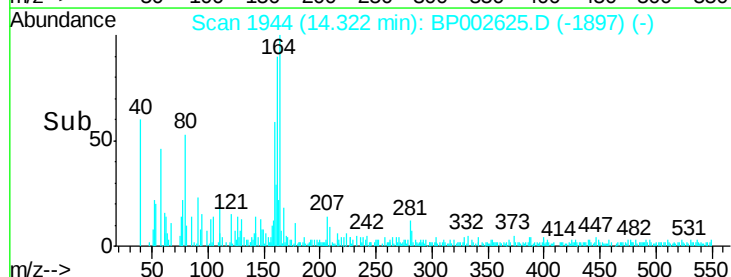
600

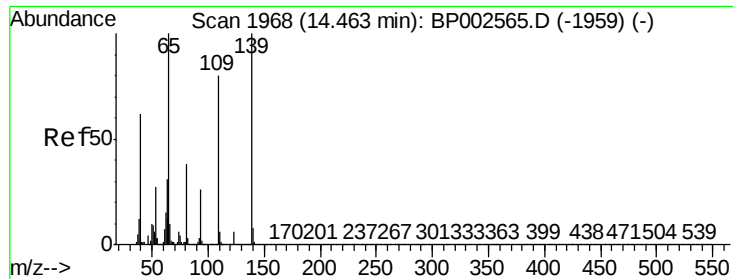
400

200

0

Time-->

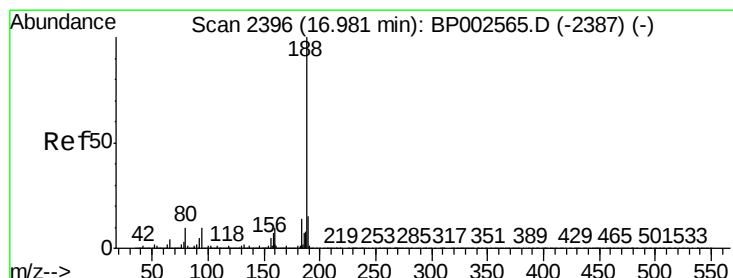
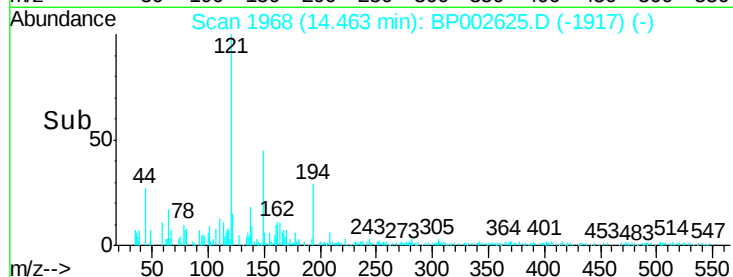
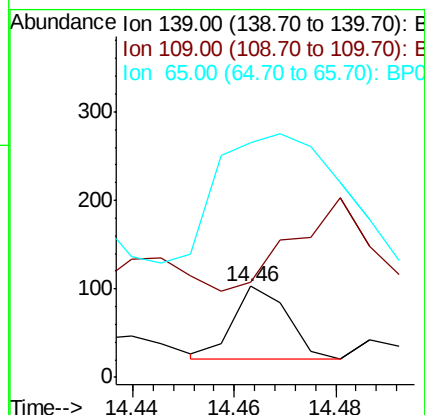
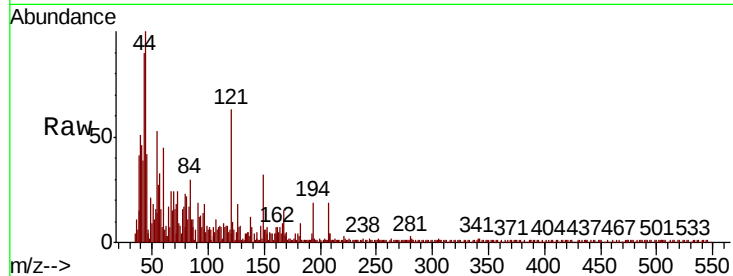




#56  
4-Nitrophenol  
Concen: 2.443 ng  
RT: 14.46 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

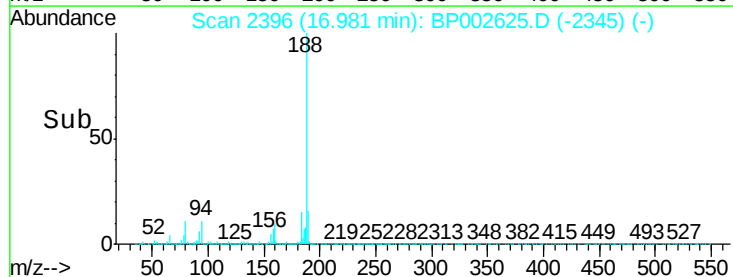
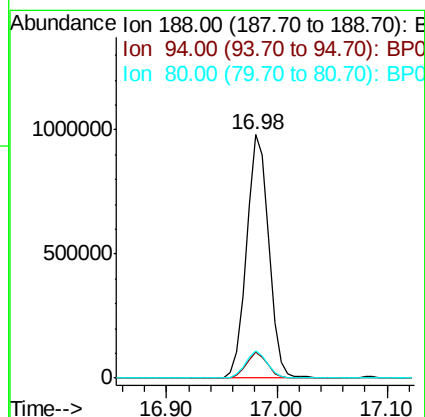
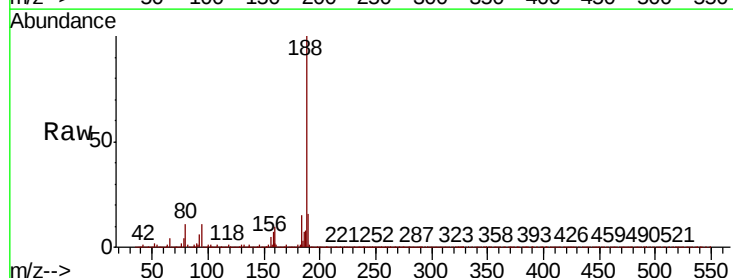
Instrument :  
BNA\_P  
ClientSampleId :  
PL-02-063020

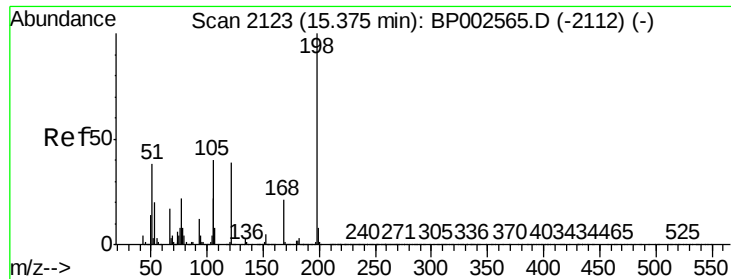
Tot Ion:139 Resp: 61  
Ion Ratio Lower Upper  
139 100  
109 104.9 60.1 100.1#  
65 257.3 80.3 120.3#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.98 min Scan# 2396  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

Tgt Ion:188 Resp: 1388003  
Ion Ratio Lower Upper  
188 100  
94 10.6 7.8 11.6  
80 11.4 8.2 12.4

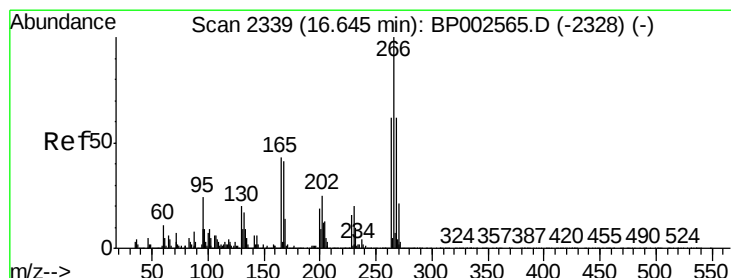
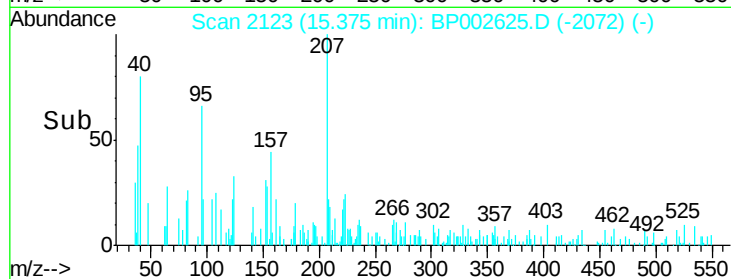
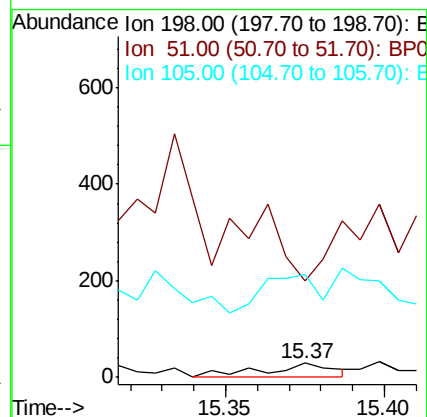
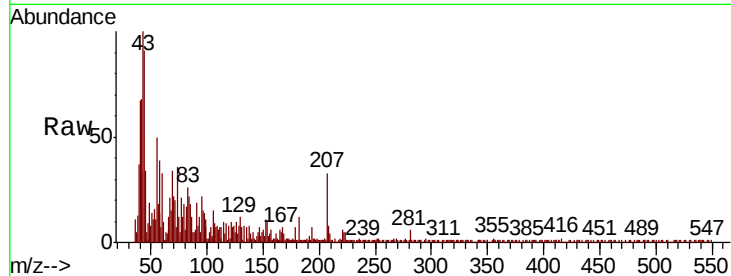




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.715 ng  
RT: 15.37 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

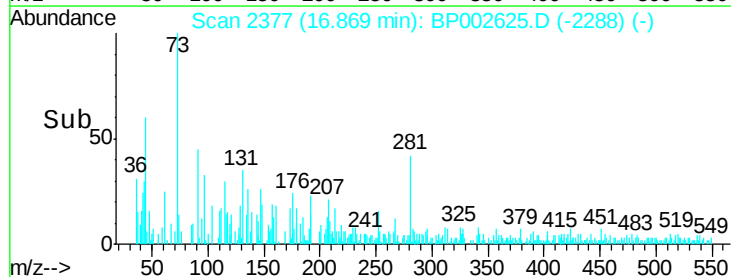
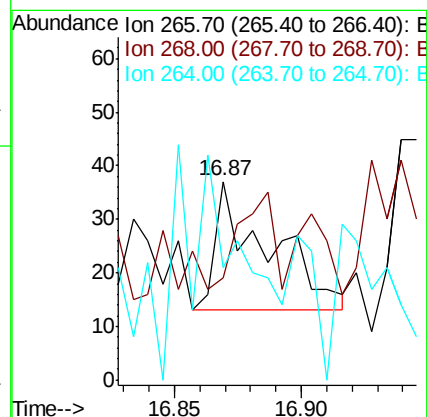
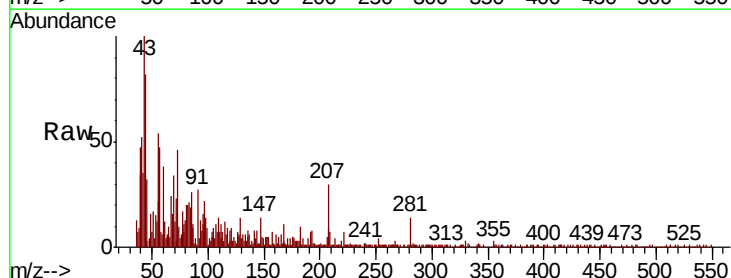
Instrument :  
BNA\_P  
ClientSampleId :  
PL-02-063020

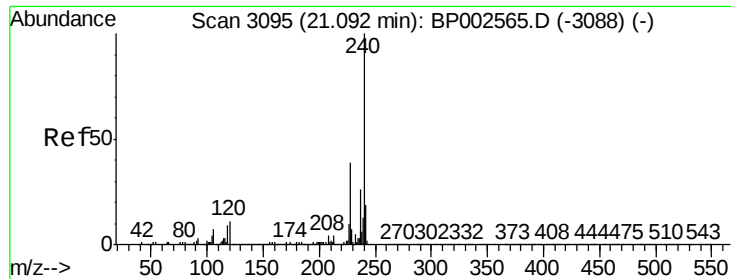
Tot Ion:198 Resp: 47  
Ion Ratio Lower Upper  
198 100  
51 670.0 24.2 64.2#  
105 710.0 20.7 60.7#



#70  
Pentachlorophenol  
Concen: 2.665 ng  
RT: 16.87 min Scan# 2377  
Delta R.T. 0.22 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

Tgt Ion:266 Resp: 35  
Ion Ratio Lower Upper  
266 100  
268 51.4 49.7 74.5  
264 56.8 49.3 73.9

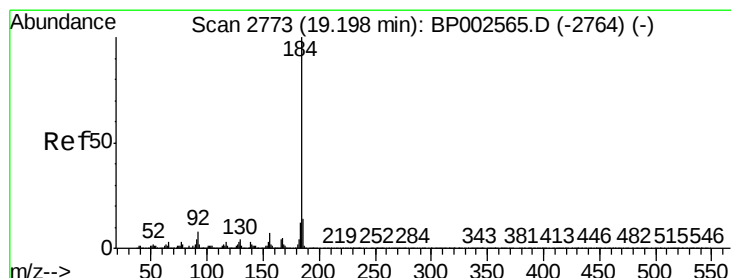
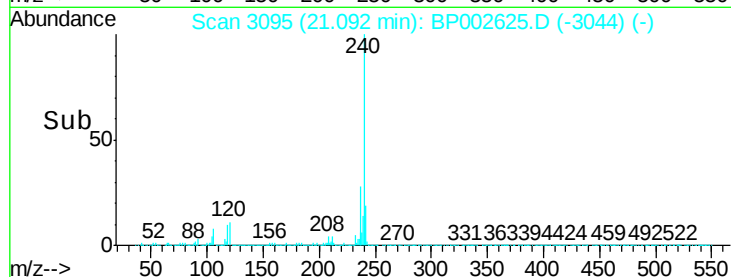
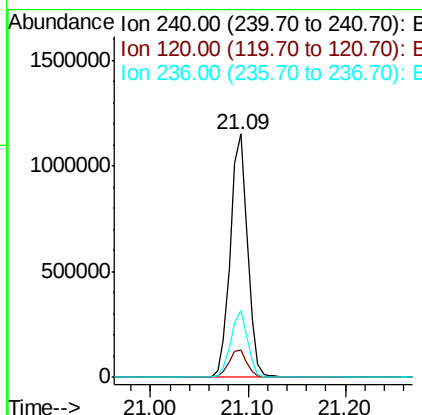
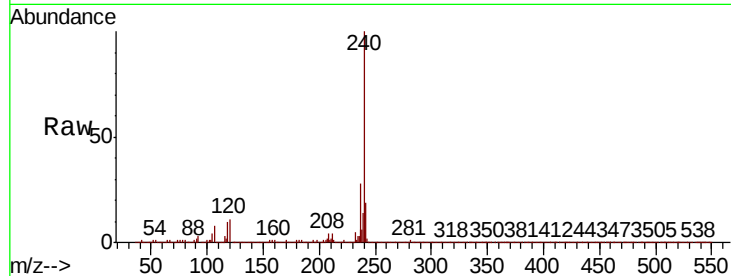




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3095  
Delta R.T. 0.00 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

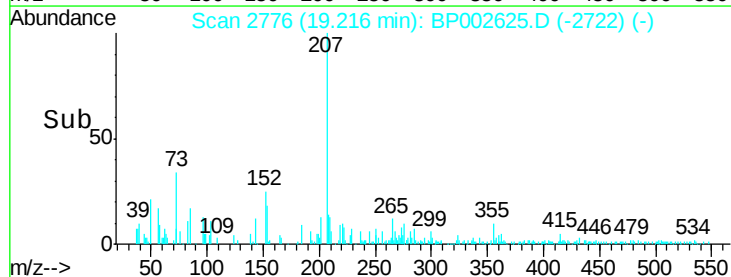
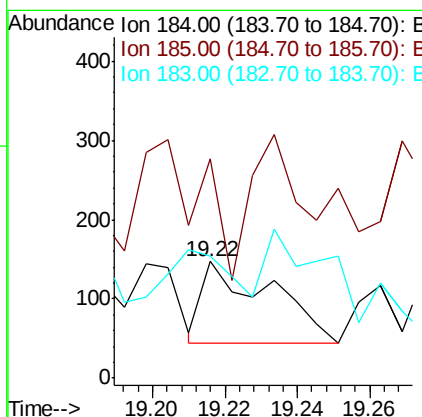
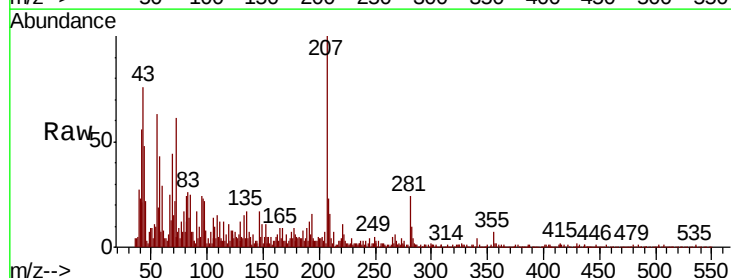
Instrument :  
BNA\_P  
ClientSampleId :  
PL-02-063020

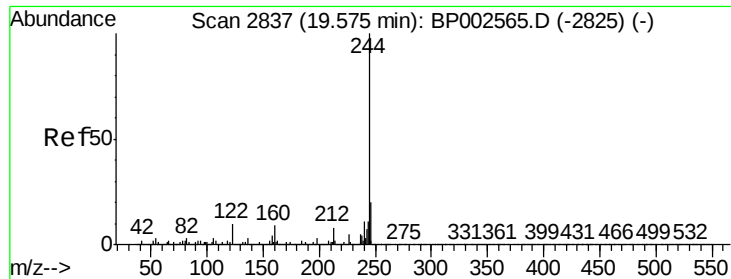
Tot Ion:240 Resp: 1414375  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.6 13.0  
236 27.6 20.8 31.2



#77  
Benzidine  
Concen: 3.758 ng  
RT: 19.22 min Scan# 2776  
Delta R.T. 0.02 min  
Lab File: BP002625.D  
Acq: 02 Jul 2020 12:00

Tgt Ion:184 Resp: 136  
Ion Ratio Lower Upper  
184 100  
185 188.4 11.4 17.2#  
183 104.8 9.2 13.8#





#79

Terphenyl-d14

Concen: 74.284 ng

RT: 19.57 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

Instrument :

BNA\_P

ClientSampleId :

PL-02-063020

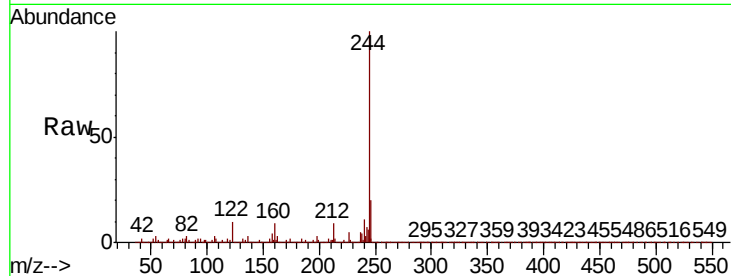
Tot Ion:244 Resp: 4867558

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

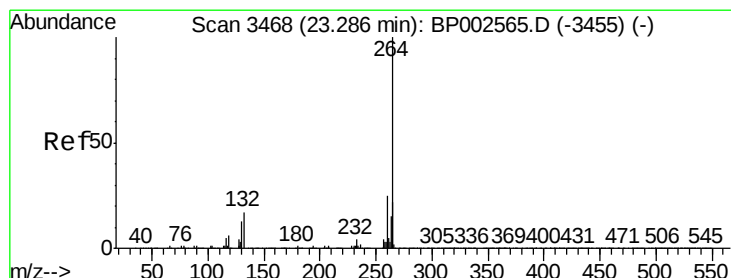
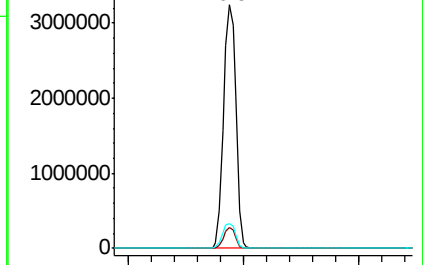
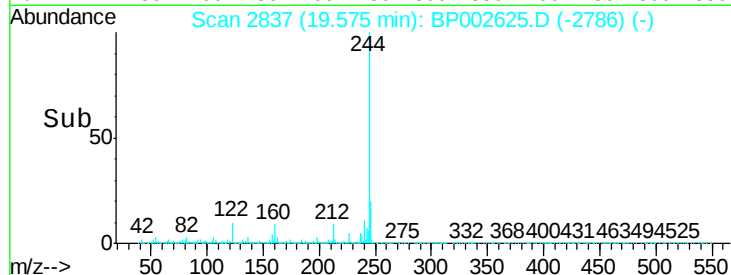
122 10.0 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3468

Delta R.T. 0.00 min

Lab File: BP002625.D

Acq: 02 Jul 2020 12:00

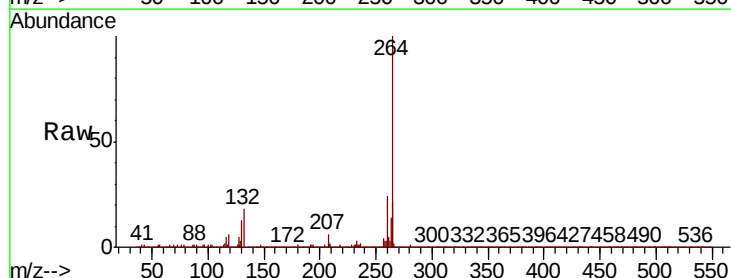
Tgt Ion:264 Resp: 1415848

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 21.0 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

