

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\  
 Data File : BP002859.D  
 Acq On : 24 Jul 2020 18:15  
 Operator : CG/JU  
 Sample : L3382-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CTR-023

Quant Time: Jul 24 18:54:38 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 24 15:50:46 2020  
 Response via : Initial Calibration

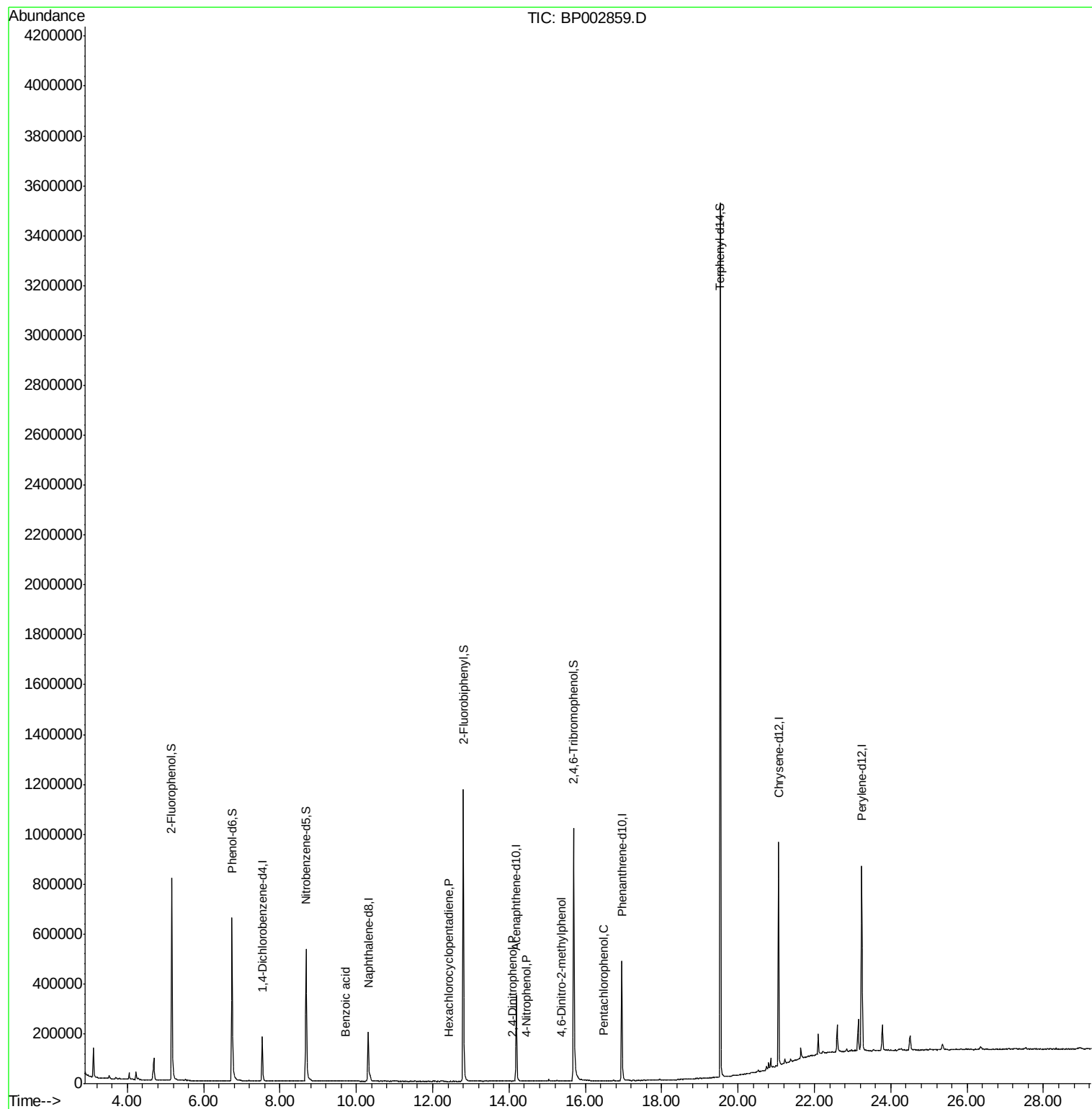
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.53  | 152  | 48352    | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8             | 10.31 | 136  | 197966   | 20.00  | ng    | 0.00       |
| 39) Acenaphthene-d10           | 14.19 | 164  | 125775   | 20.00  | ng    | 0.00       |
| 64) Phenanthrene-d10           | 16.95 | 188  | 315017   | 20.00  | ng    | 0.00       |
| 76) Chrysene-d12               | 21.06 | 240  | 432955   | 20.00  | ng    | 0.00       |
| 86) Perylene-d12               | 23.24 | 264  | 511438   | 20.00  | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |        |       |            |
| 5) 2-Fluorophenol              | 5.16  | 112  | 407058   | 142.04 | ng    | 0.00       |
| 7) Phenol-d6                   | 6.74  | 99   | 470996   | 115.16 | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 8.68  | 82   | 362608   | 97.96  | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol       | 15.69 | 330  | 218343   | 166.31 | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 12.80 | 172  | 657555   | 80.88  | ng    | 0.00       |
| 79) Terphenyl-d14              | 19.53 | 244  | 1519433  | 80.46  | ng    | 0.00       |
| Target Compounds               |       |      |          |        |       |            |
| 32) Benzoic acid               | 9.72  | 122  | 27       | 7.073  | ng    | Qvalue # 1 |
| 41) Hexachlorocyclopentadiene  | 12.43 | 237  | 19       | 7.444  | ng    | 93         |
| 54) 2,4-Dinitrophenol          | 14.10 | 184  | 11       | 11.382 | ng    | 94         |
| 56) 4-Nitrophenol              | 14.46 | 139  | 51       | 4.998  | ng    | # 40       |
| 65) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 23       | 5.277  | ng    | # 1        |
| 70) Pentachlorophenol          | 16.46 | 266  | 10       | 7.447  | ng    | 88         |

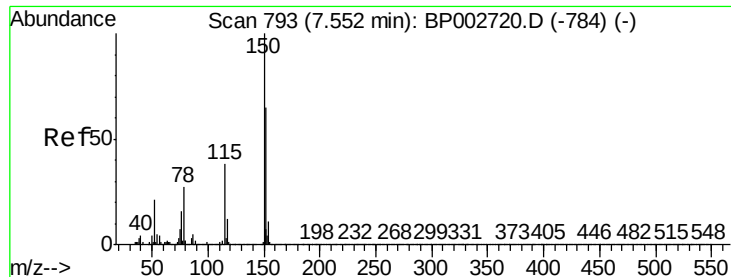
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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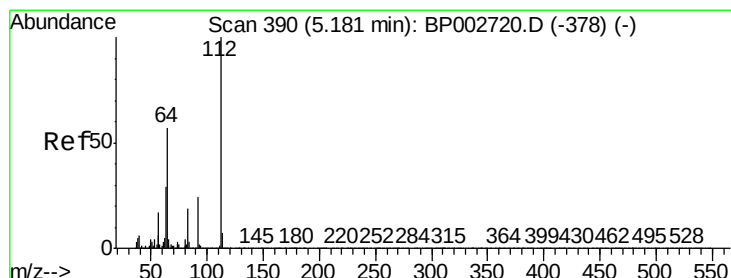
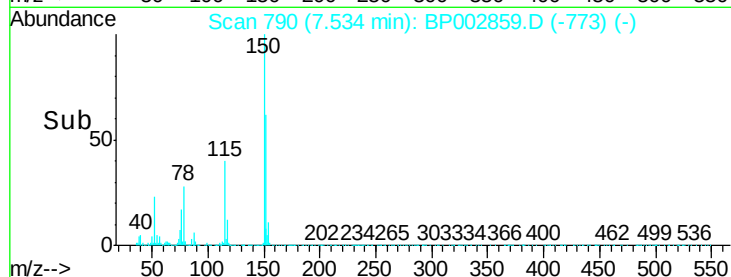
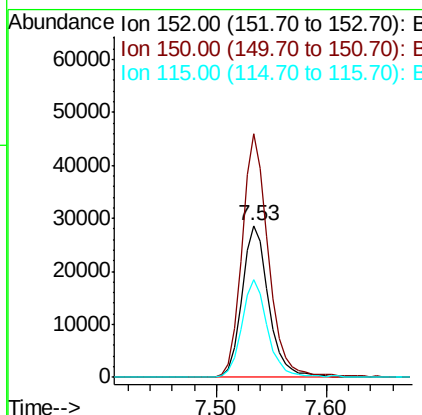
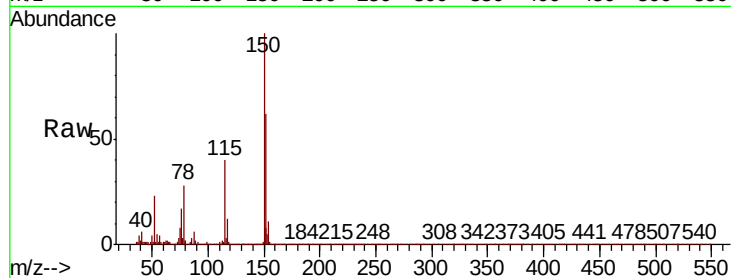


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.53 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

Instrument :  
BNA\_P  
ClientSampleId :  
CTR-023

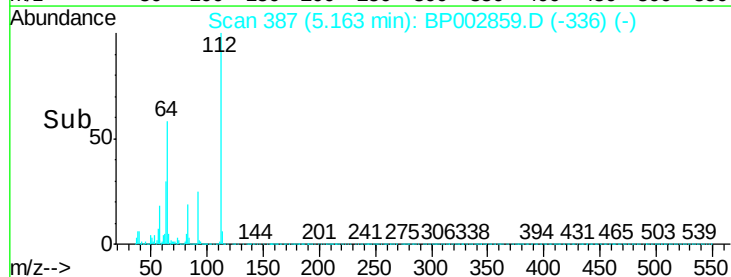
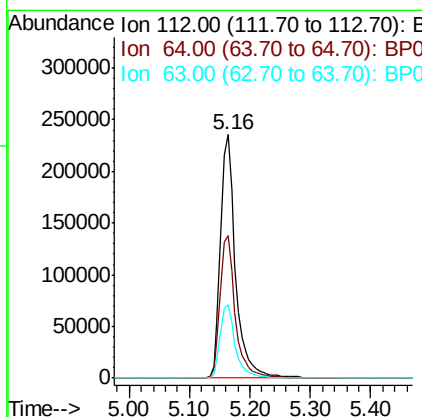
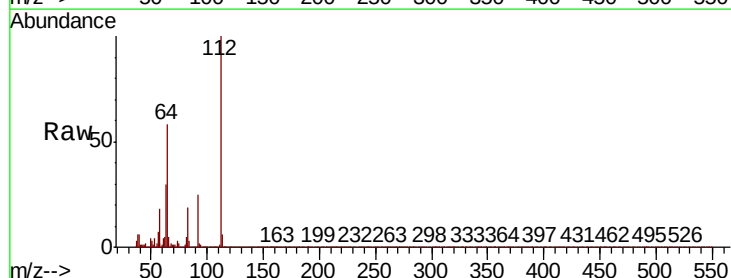
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.6 | 122.5 | 183.7 |
| 115     | 64.6  | 48.5  | 72.7  |

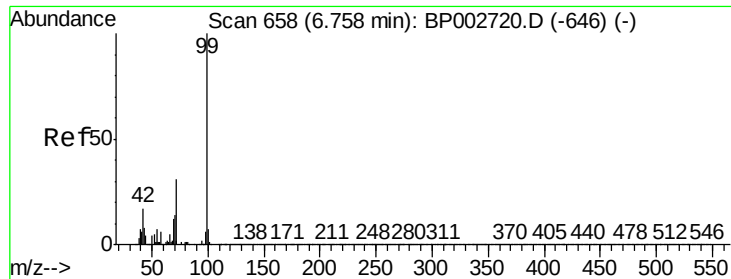


#5

2-Fluorophenol  
Concen: 142.038 ng  
RT: 5.16 min Scan# 387  
Delta R.T. -0.00 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 48.1  | 72.1  |
| 63      | 30.2  | 24.9  | 37.3  |





#7

Phenol-d6

Concen: 115.157 ng

RT: 6.74 min Scan# 655

Delta R.T. -0.00 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

Instrument :

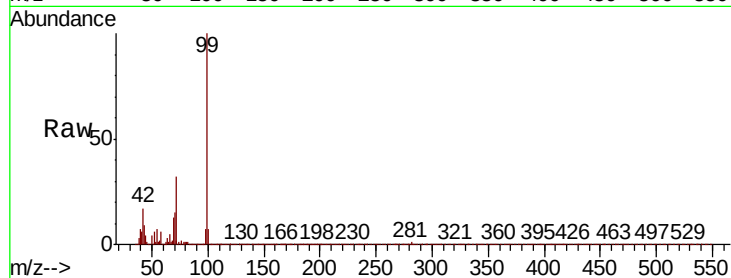
BNA\_P

ClientSampleId :

CTR-023

Tot Ion: 99 Resp: 470996

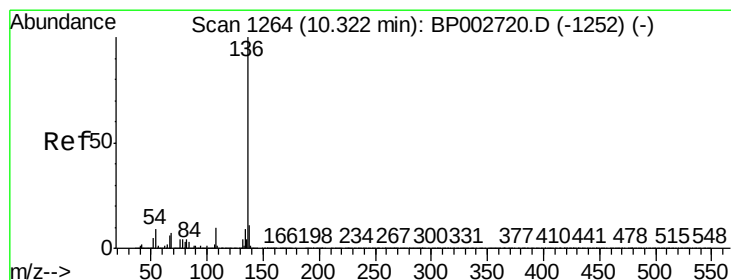
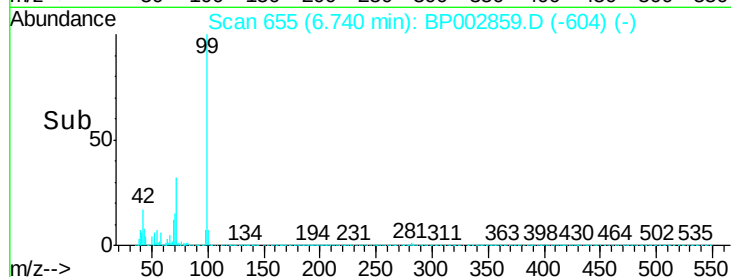
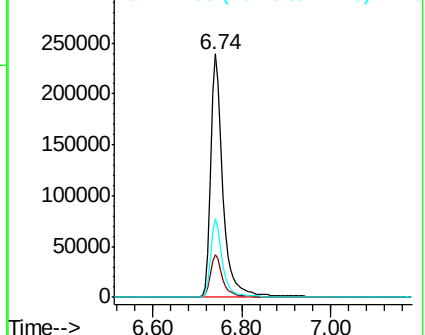
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 14.2  | 21.4  |
| 71  | 32.2  | 26.1  | 39.1  |



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: 10.31 min Scan# 1262

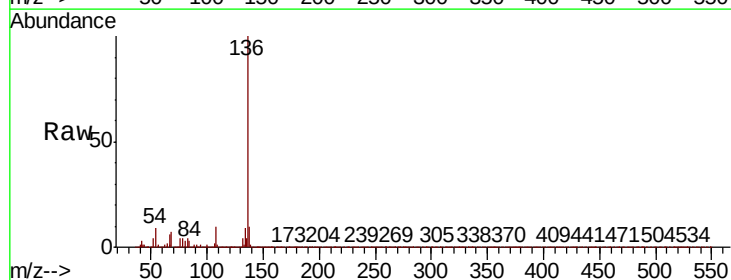
Delta R.T. 0.01 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

Tgt Ion: 136 Resp: 197966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.3  | 8.8   | 13.2  |
| 54  | 8.6   | 7.3   | 10.9  |
| 68  | 6.6   | 5.7   | 8.5   |

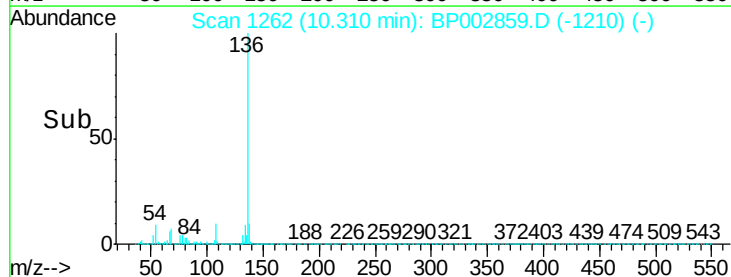
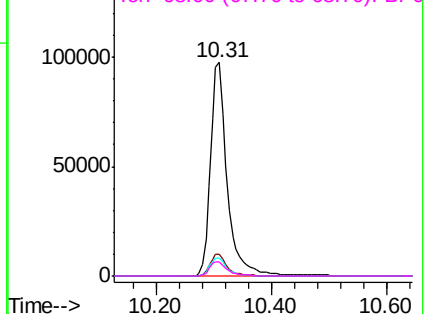


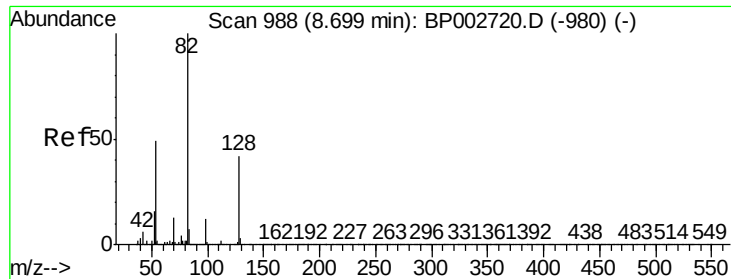
Abundance Ion 136.00 (135.70 to 136.70): E

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

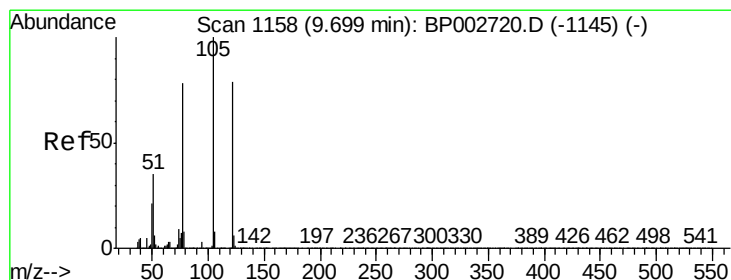
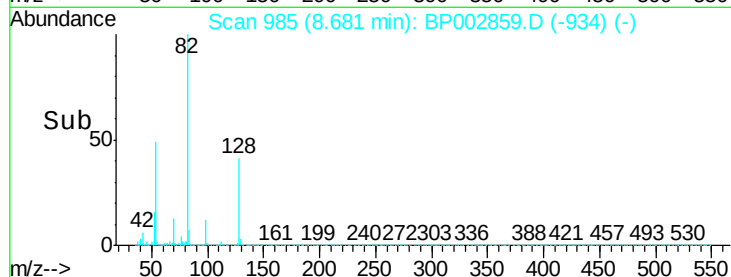
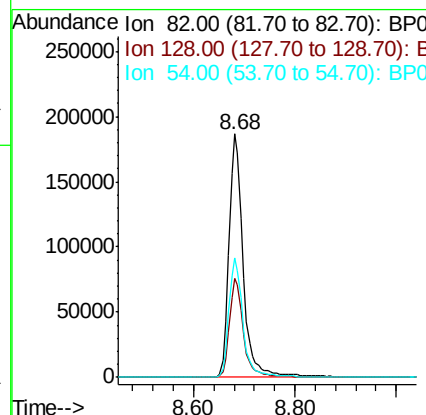
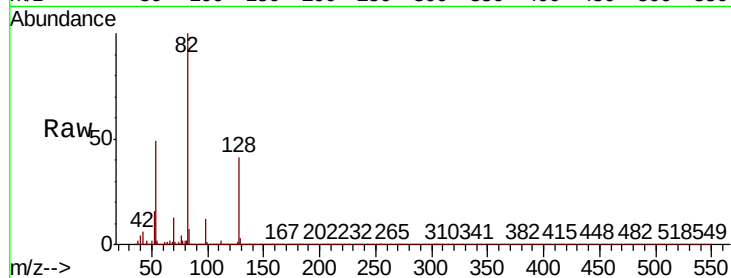




#23  
 Nitrobenzene-d5  
 Concen: 97.964 ng  
 RT: 8.68 min Scan# 985  
 Delta R.T. -0.00 min  
 Lab File: BP002859.D  
 Acq: 24 Jul 2020 18:15

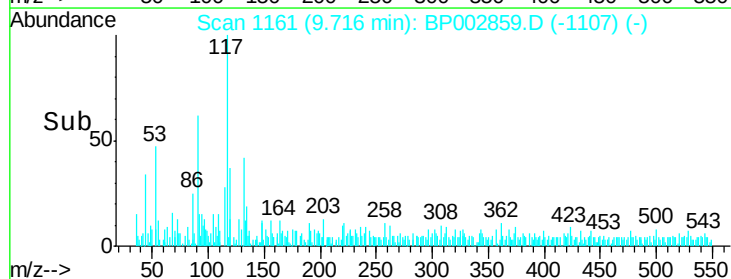
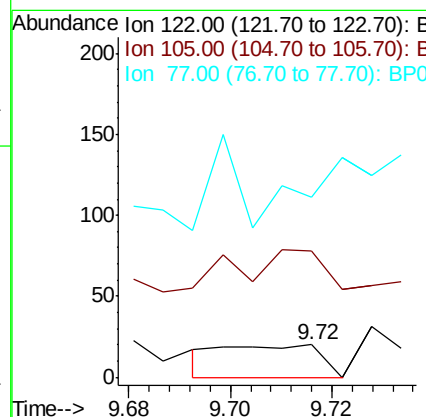
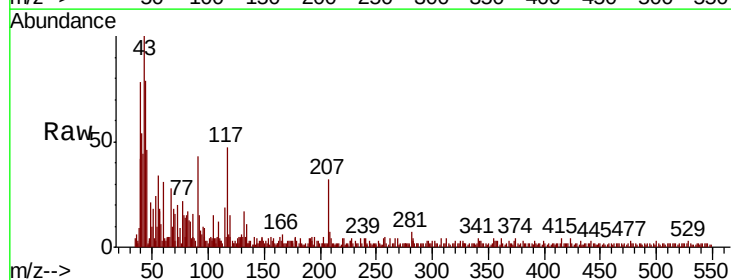
Instrument :  
 BNA\_P  
 ClientSampled :  
 CTR-023

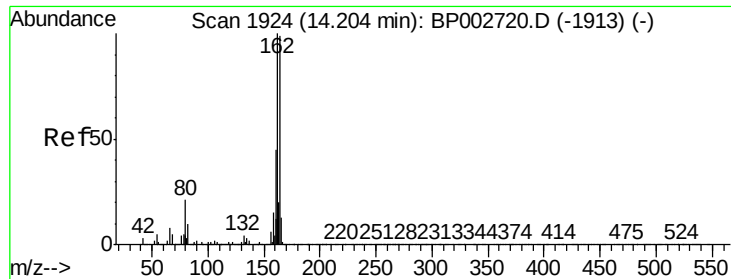
| Tot Ion   | 82    | Resp  | 362608 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.6  | 32.6  | 49.0   |
| 54        | 48.9  | 38.9  | 58.3   |



#32  
 Benzoic acid  
 Concen: 7.073 ng  
 RT: 9.72 min Scan# 1161  
 Delta R.T. 0.02 min  
 Lab File: BP002859.D  
 Acq: 24 Jul 2020 18:15

| Tgt Ion   | 122   | Resp  | 27     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 390.0 | 101.9 | 141.9# |
| 77        | 555.0 | 78.0  | 118.0# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

Instrument :

BNA\_P

ClientSampled :

CTR-023

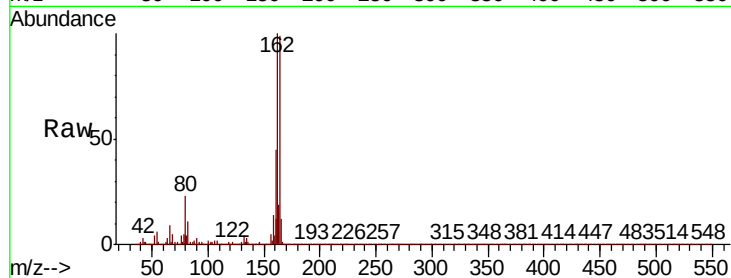
Tot Ion:164 Resp: 125775

Ion Ratio Lower Upper

164 100

162 100.8 78.4 117.6

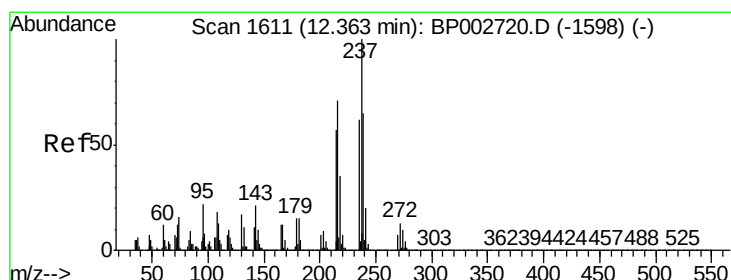
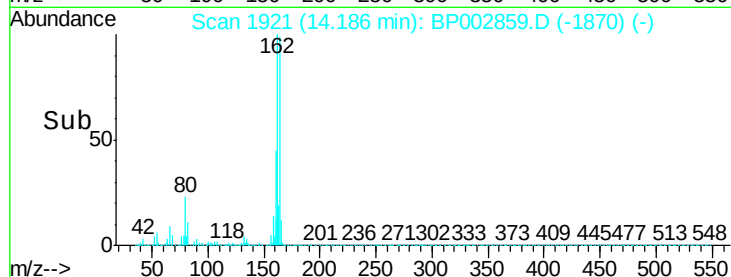
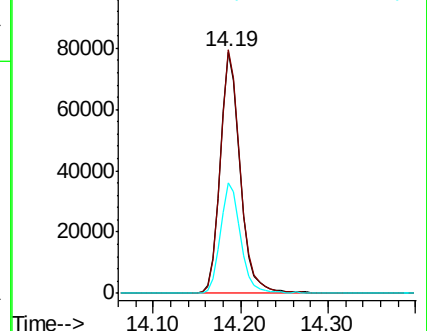
160 45.5 36.1 54.1



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: 7.444 ng

RT: 12.43 min Scan# 1622

Delta R.T. 0.09 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

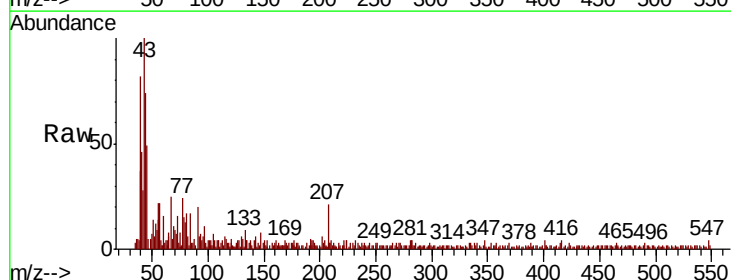
Tgt Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 58.8 40.9 80.9

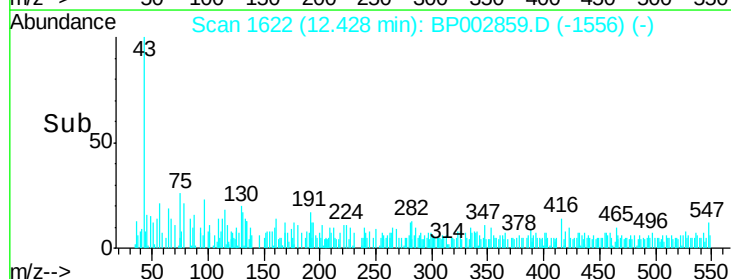
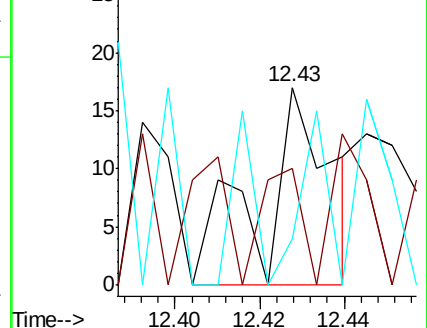
272 23.5 0.0 32.1

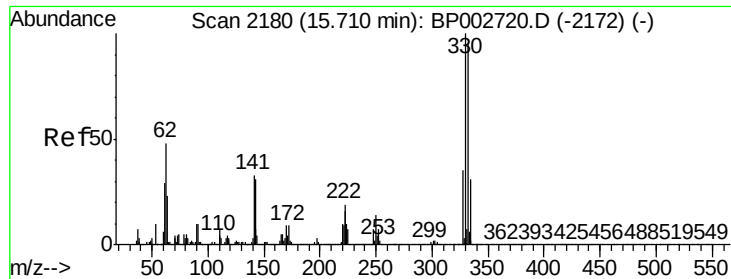


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

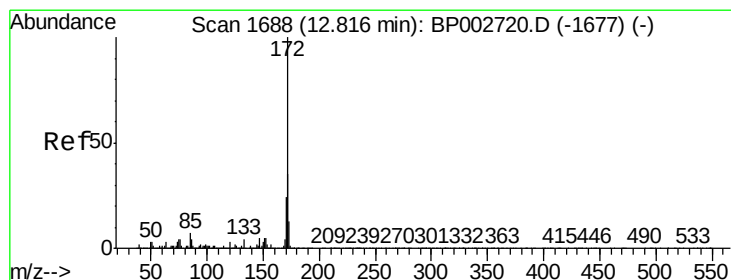
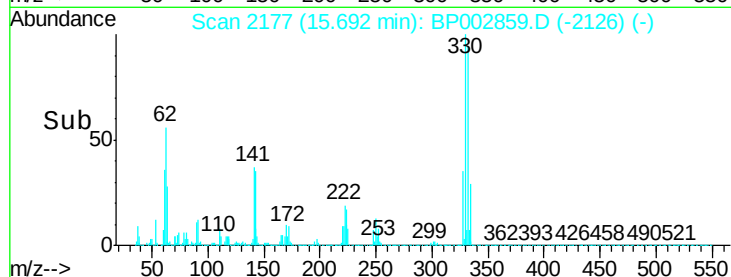
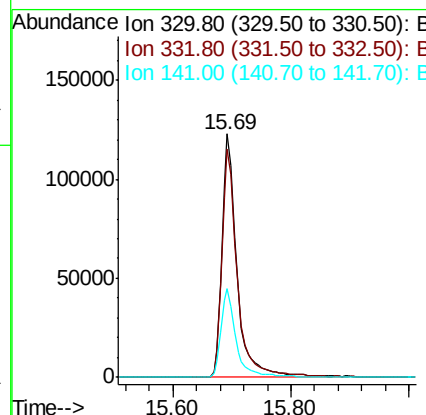
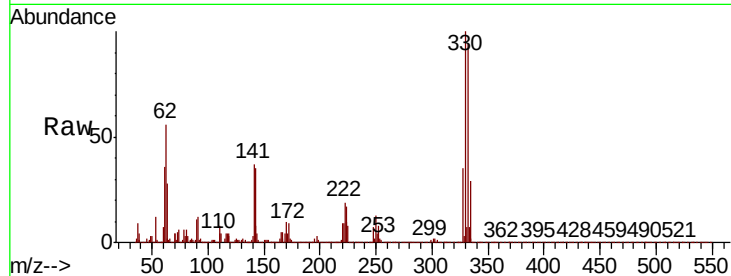




#42  
2,4,6-Tribromophenol  
Concen: 166.307 ng  
RT: 15.69 min Scan# 2177  
Delta R.T. -0.00 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

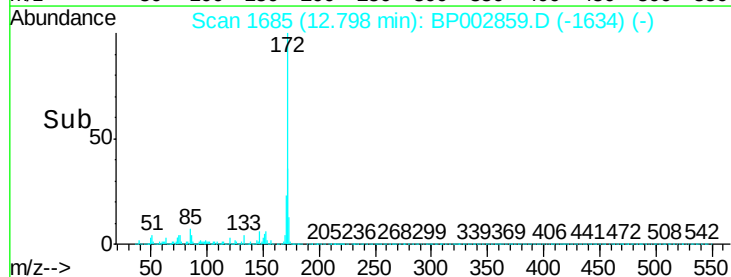
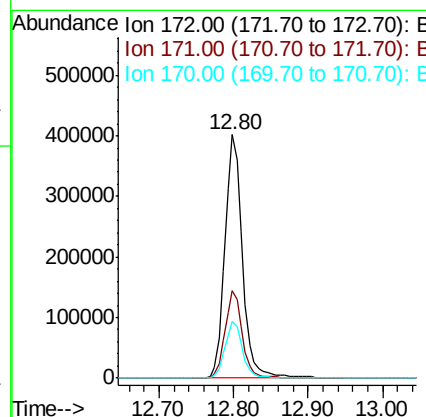
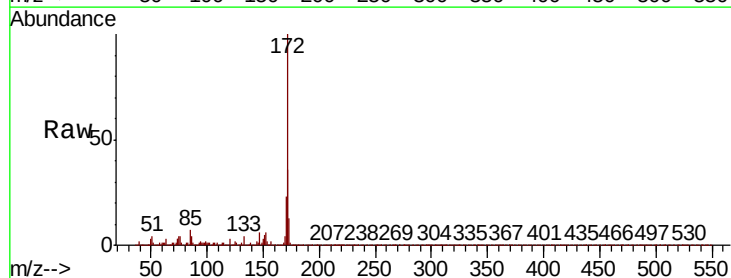
Instrument :  
BNA\_P  
ClientSampleId :  
CTR-023

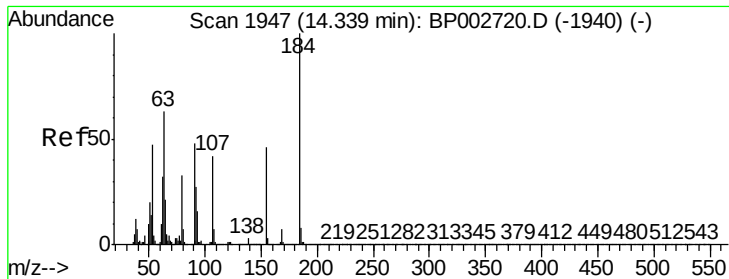
Tot Ion:330 Resp: 218343  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.6 116.4  
141 36.6 29.0 43.6



#45  
2-Fluorobiphenyl  
Concen: 80.876 ng  
RT: 12.80 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

Tgt Ion:172 Resp: 657555  
Ion Ratio Lower Upper  
172 100  
171 35.9 27.0 40.4  
170 23.1 19.4 29.2

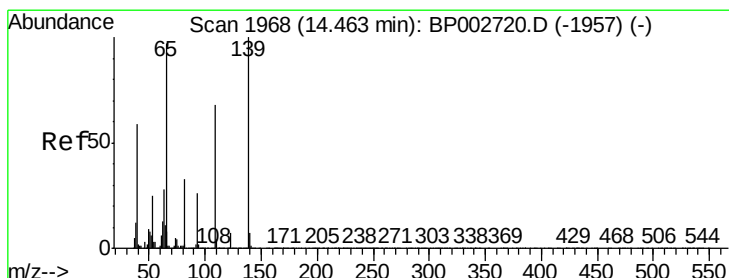
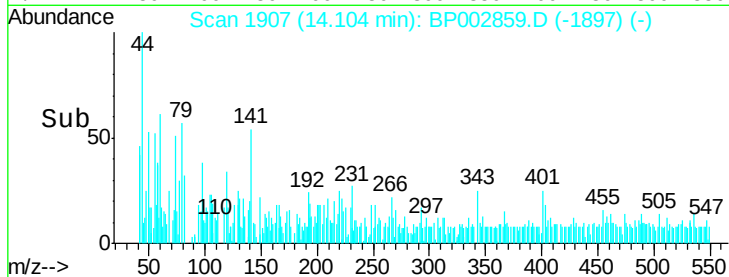
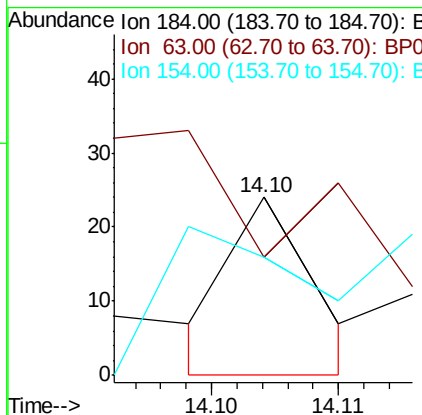
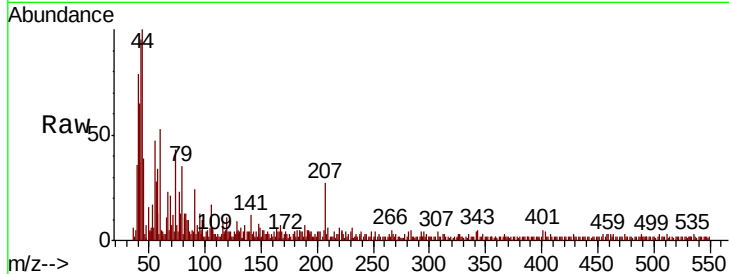




#54  
2,4-Dinitrophenol  
Concen: 11.382 ng  
RT: 14.10 min Scan# 1907  
Delta R.T. -0.24 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

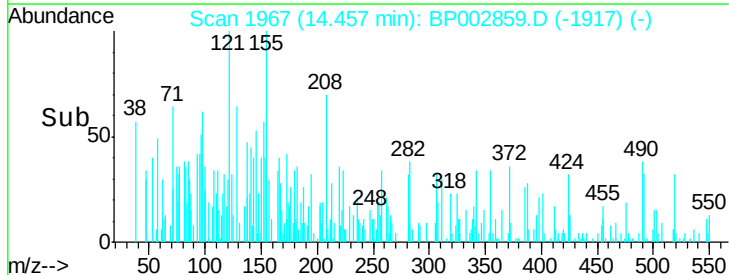
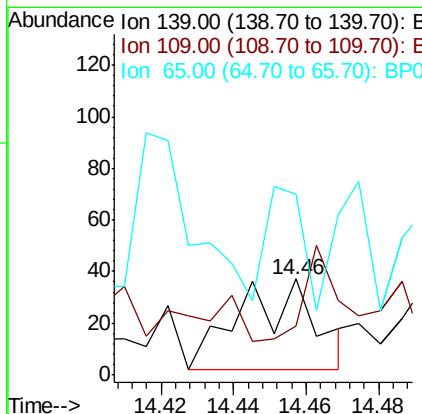
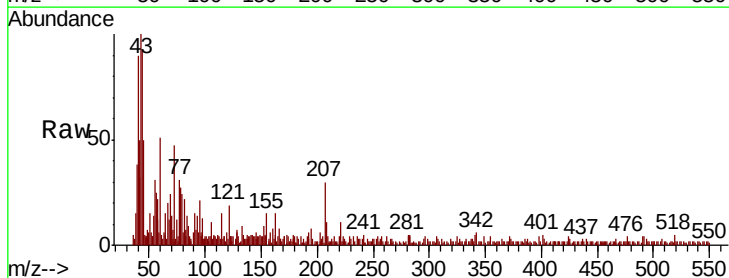
Instrument :  
BNA\_P  
ClientSampled :  
CTR-023

Tot Ion:184 Resp: 11  
Ion Ratio Lower Upper  
184 100  
63 66.7 55.4 83.0  
154 66.7 47.5 71.3

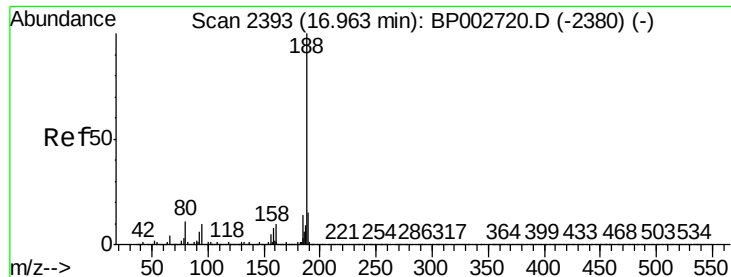


#56  
4-Nitrophenol  
Concen: 4.998 ng  
RT: 14.46 min Scan# 1967  
Delta R.T. -0.01 min  
Lab File: BP002859.D  
Acq: 24 Jul 2020 18:15

Tgt Ion:139 Resp: 51  
Ion Ratio Lower Upper  
139 100  
109 51.4 55.2 95.2#  
65 189.2 84.7 124.7#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.95 min Scan# 2391

Delta R.T. 0.01 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

Instrument :

BNA\_P

ClientSampleId :

CTR-023

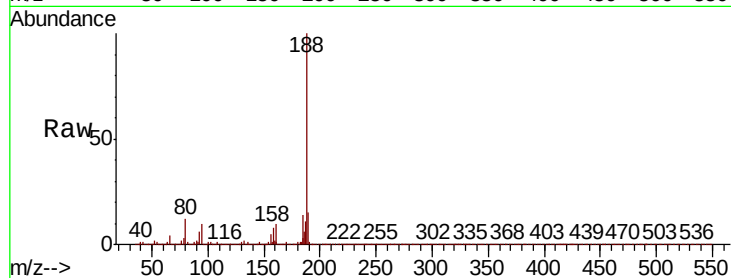
Tot Ion:188 Resp: 315017

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

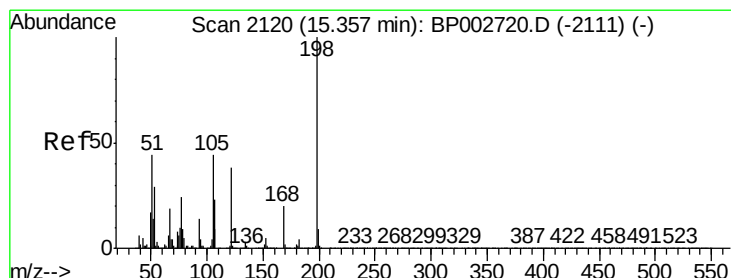
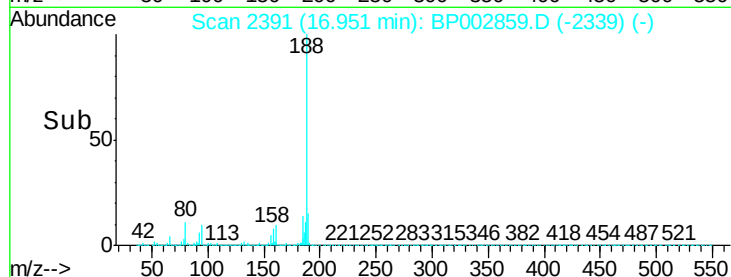
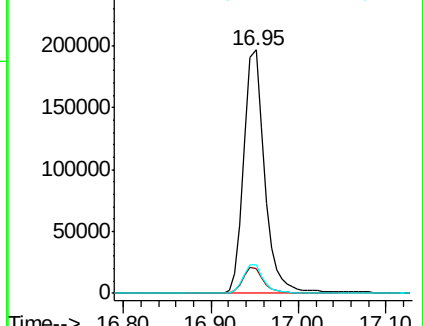
80 11.5 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.277 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

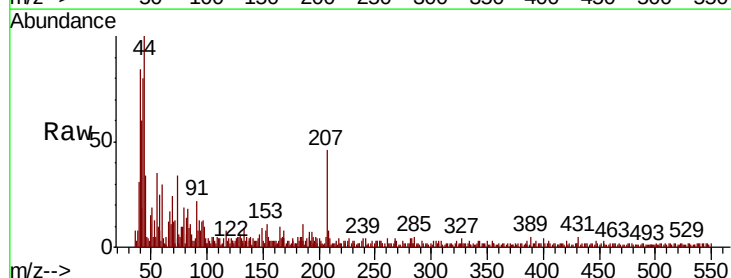
Tgt Ion:198 Resp: 23

Ion Ratio Lower Upper

198 100

51 356.7 25.1 65.1#

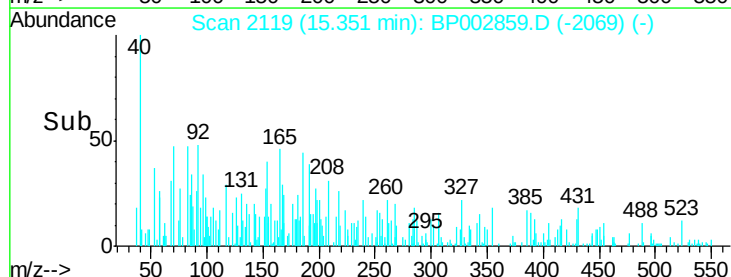
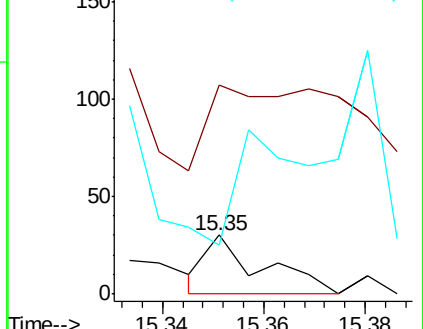
105 140.0 24.6 64.6#

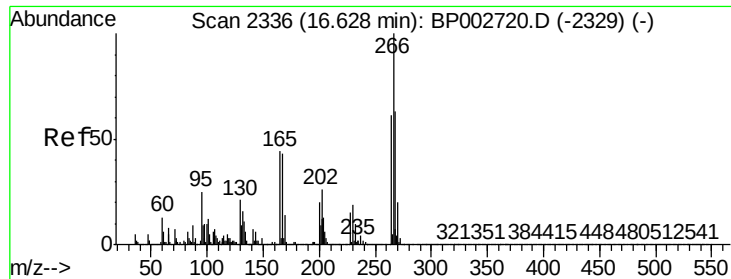


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

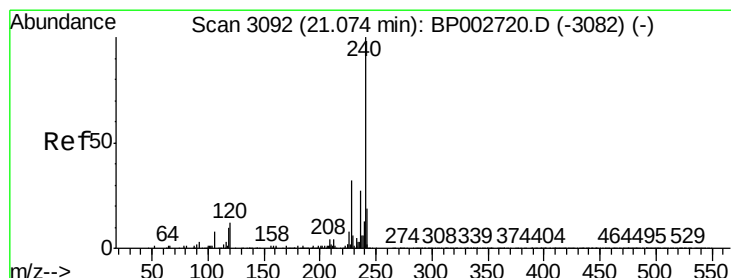
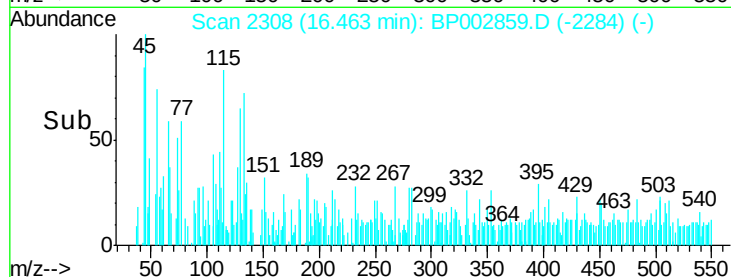
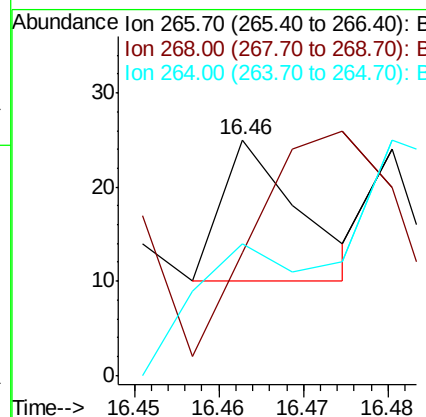
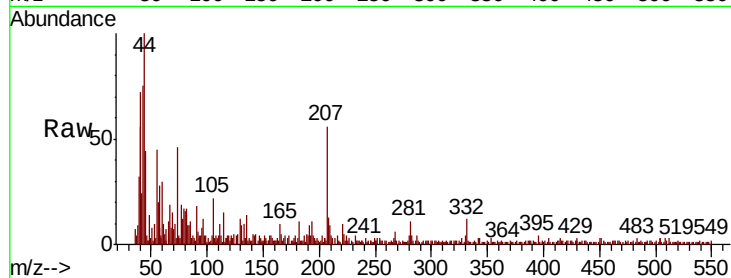




#70  
 Pentachlorophenol  
 Concen: 7.447 ng  
 RT: 16.46 min Scan# 2308  
 Delta R.T. -0.16 min  
 Lab File: BP002859.D  
 Acq: 24 Jul 2020 18:15

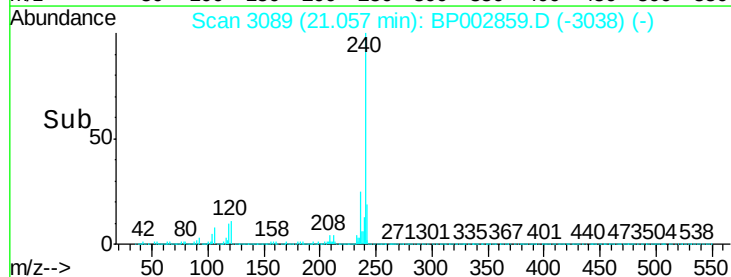
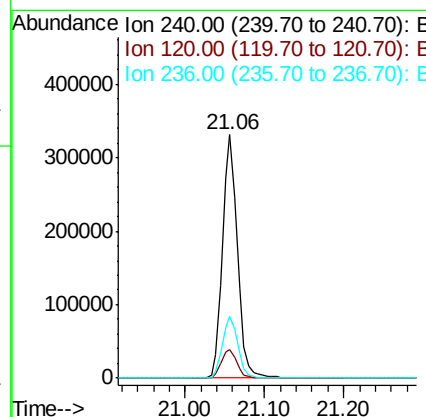
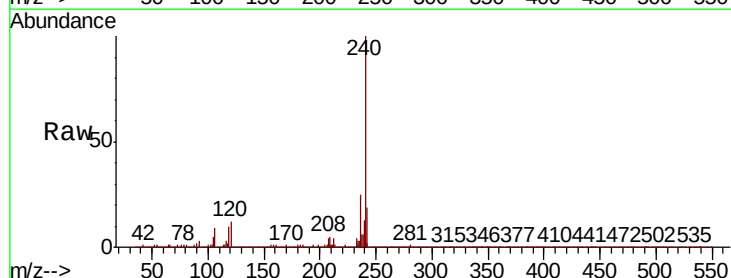
Instrument :  
 BNA\_P  
 ClientSampleID :  
 CTR-023

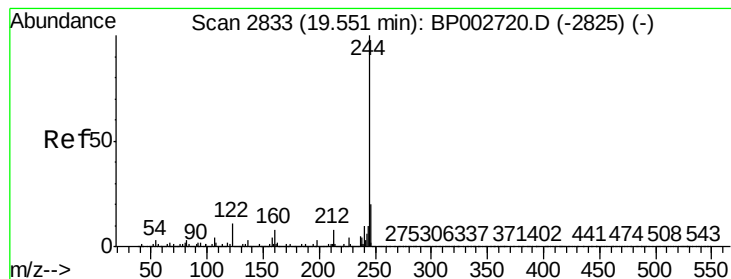
Tot Ion:266 Resp: 10  
 Ion Ratio Lower Upper  
 266 100  
 268 52.0 51.2 76.8  
 264 56.0 50.2 75.4



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.06 min Scan# 3089  
 Delta R.T. -0.00 min  
 Lab File: BP002859.D  
 Acq: 24 Jul 2020 18:15

Tgt Ion:240 Resp: 432955  
 Ion Ratio Lower Upper  
 240 100  
 120 11.5 9.2 13.8  
 236 25.4 20.3 30.5





#79

Terphenyl-d14

Concen: 80.462 ng

RT: 19.53 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

Instrument :

BNA\_P

ClientSampleId :

CTR-023

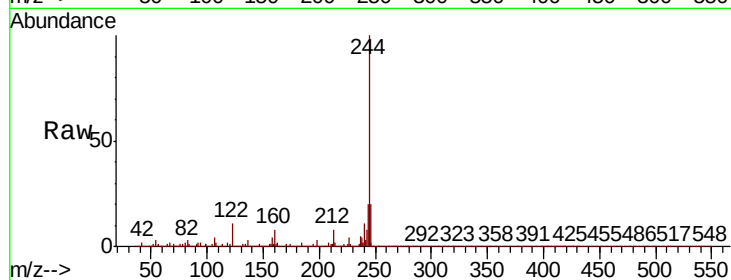
Tot Ion:244 Resp: 1519433

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

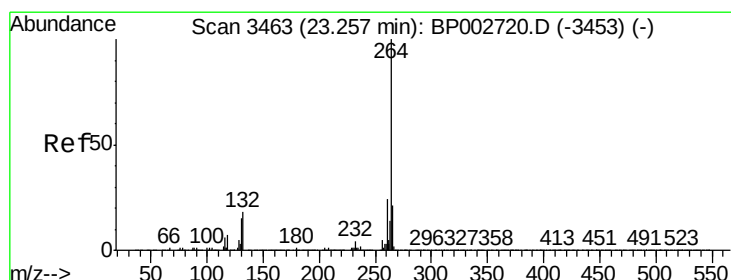
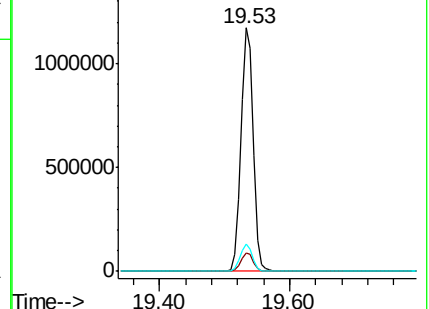
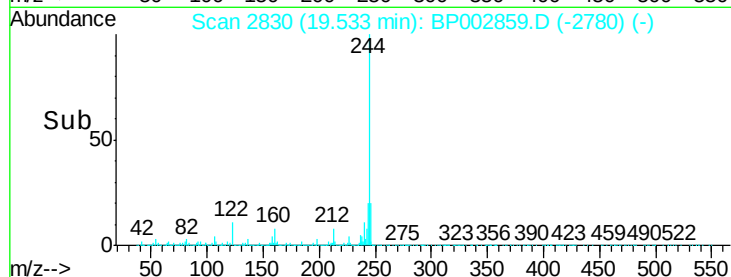
122 11.1 7.9 11.9



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: 23.24 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BP002859.D

Acq: 24 Jul 2020 18:15

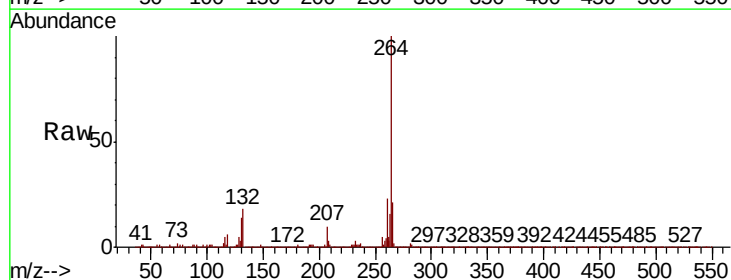
Tgt Ion:264 Resp: 511438

Ion Ratio Lower Upper

264 100

260 23.5 19.6 29.4

265 20.8 16.7 25.1



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

