

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\  
 Data File : BP002820.D  
 Acq On : 21 Jul 2020 18:37  
 Operator : CG/JU  
 Sample : L3184-13 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-03-072020

Quant Time: Jul 21 19:07:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 176464   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.32 | 136  | 663699   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.20 | 164  | 388778   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 16.96 | 188  | 744974   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.07 | 240  | 720580   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.26 | 264  | 767869   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.18  | 112  | 204873   | 19.59 | ng    | 0.00     |
| 7) Phenol-d6                | 6.76  | 99   | 261404   | 17.51 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 152173   | 12.26 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.71 | 330  | 92802    | 22.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.81 | 172  | 362523   | 14.43 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.55 | 244  | 416204   | 13.24 | ng    | 0.00     |

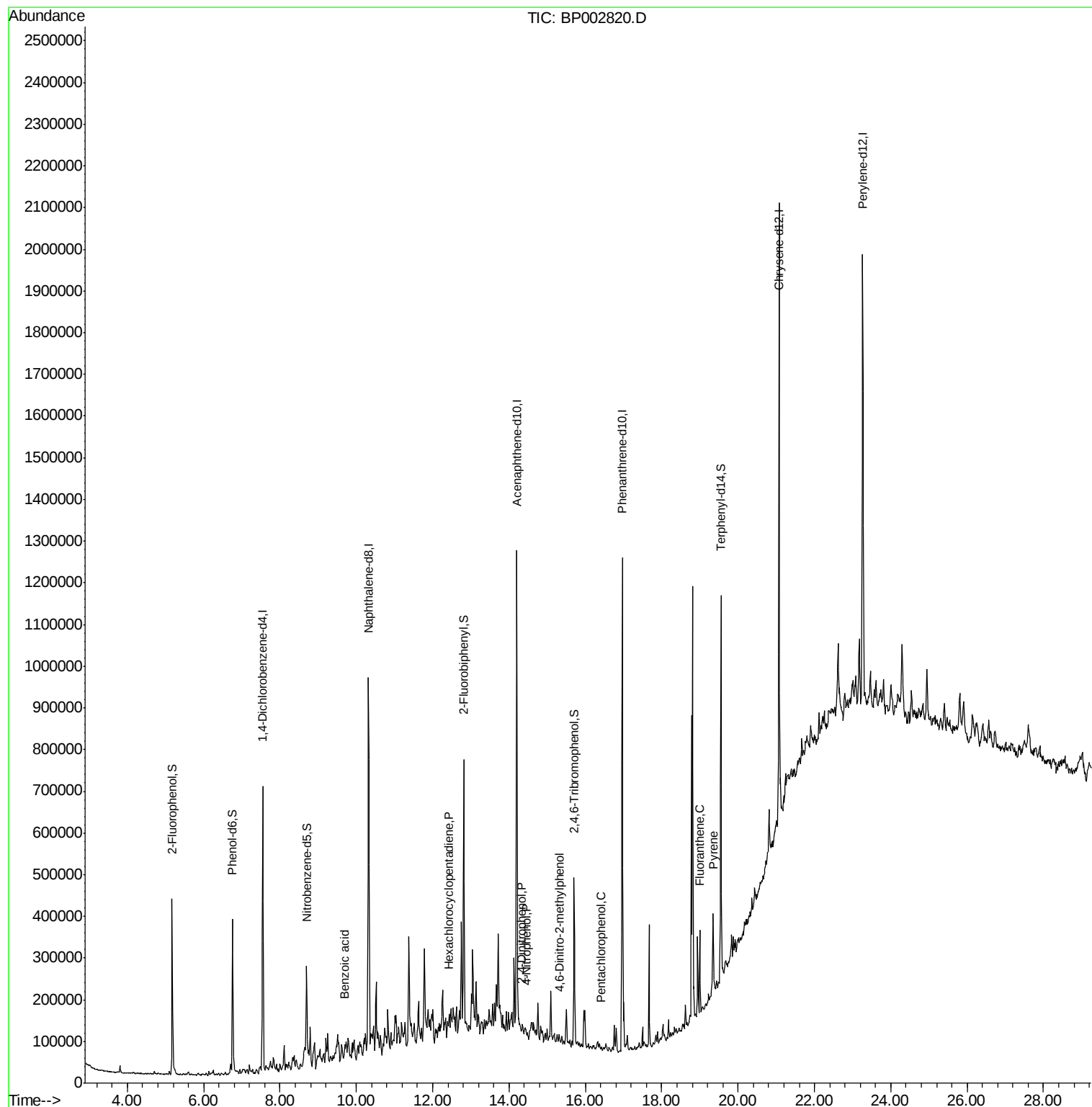
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 32) Benzoic acid               | 9.70  | 122  | 47       | 7.068  | ng    | # 1    |
| 41) Hexachlorocyclopentadiene  | 12.43 | 237  | 22       | 7.438  | ng    | # 84   |
| 54) 2,4-Dinitrophenol          | 14.32 | 184  | 49       | 11.386 | ng    | # 1    |
| 56) 4-Nitrophenol              | 14.44 | 139  | 283      | 5.018  | ng    | # 1    |
| 65) 4,6-Dinitro-2-methylphenol | 15.32 | 198  | 108      | 5.288  | ng    | # 1    |
| 70) Pentachlorophenol          | 16.42 | 266  | 33       | 7.449  | ng    | 92     |
| 75) Fluoranthene               | 18.99 | 202  | 119058   | 2.547  | ng    | 98     |
| 78) Pyrene                     | 19.35 | 202  | 115316   | 2.318  | ng    | 99     |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\  
Data File : BP002820.D  
Acq On : 21 Jul 2020 18:37  
Operator : CG/JU  
Sample : L3184-13 2X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EO-03-072020

Quant Time: Jul 21 19:07:17 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 13 10:54:03 2020  
Response via : Initial Calibration



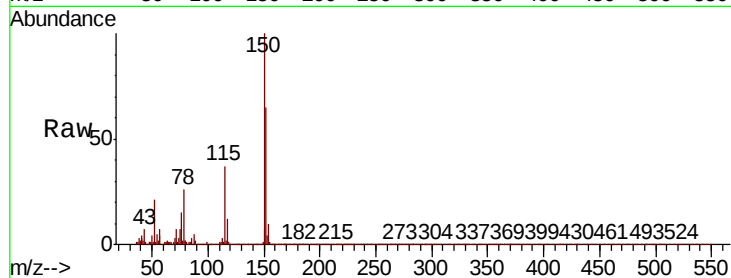


#1

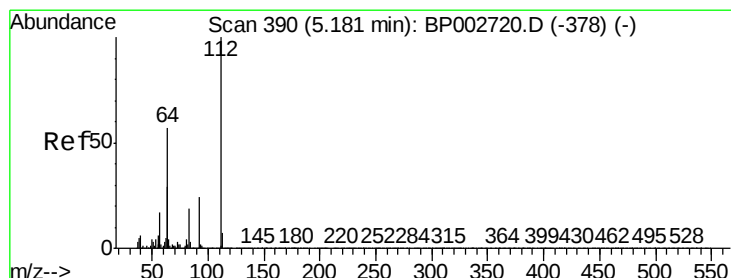
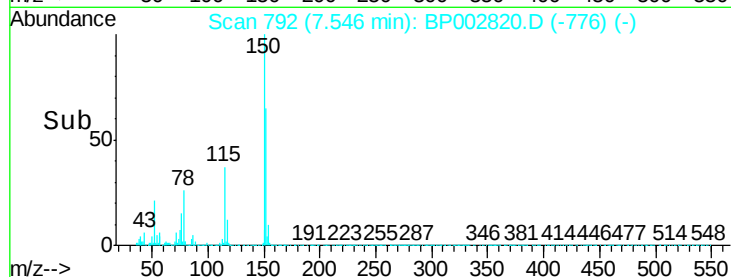
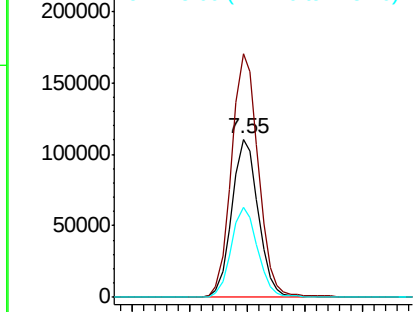
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

Instrument :  
BNA\_P  
ClientSampleId :  
EO-03-072020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 123.7 | 185.5 |
| 115     | 57.1  | 47.2  | 70.8  |



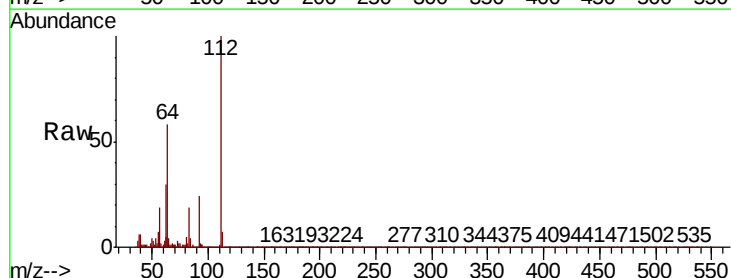
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



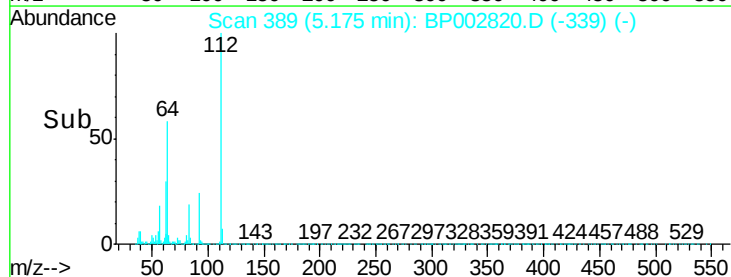
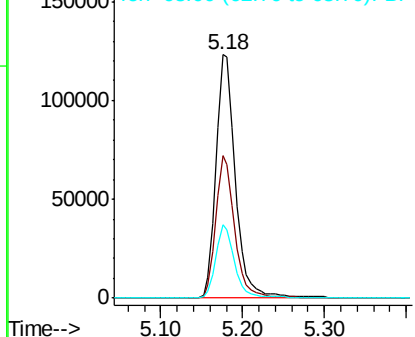
#5

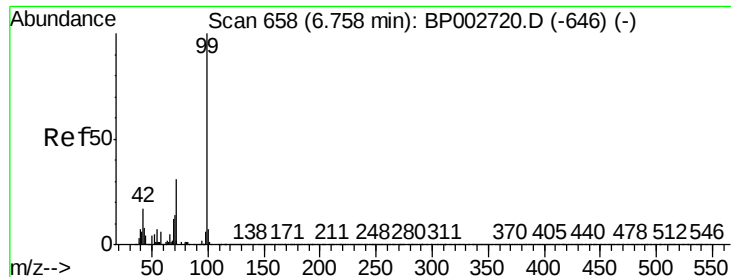
2-Fluorophenol  
Concen: 19.588 ng  
RT: 5.18 min Scan# 389  
Delta R.T. -0.01 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.3  | 45.6  | 68.4  |
| 63      | 30.1  | 23.5  | 35.3  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BP0  
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 17.512 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

Instrument :

BNA\_P

ClientSampleId :

EO-03-072020

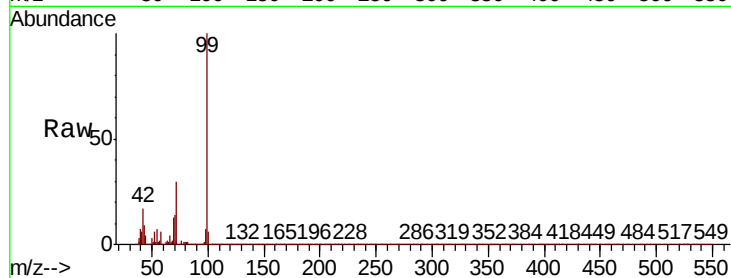
Tot Ion: 99 Resp: 261404

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.2

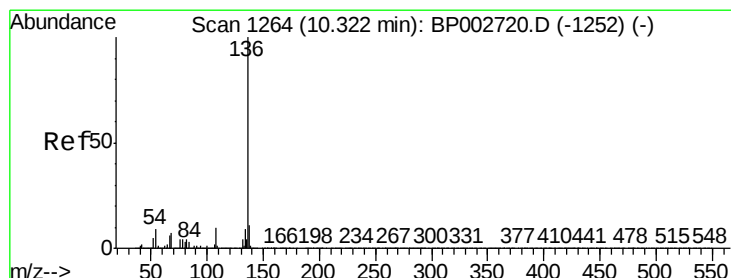
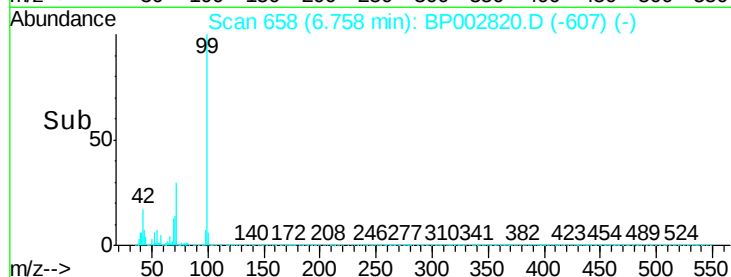
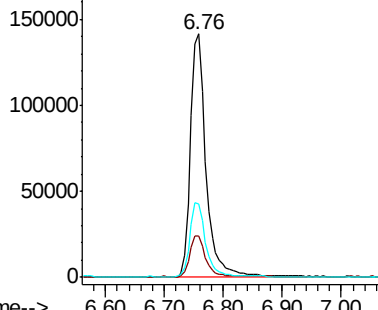
71 30.3 24.6 36.8



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: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

Tgt Ion: 136 Resp: 663699

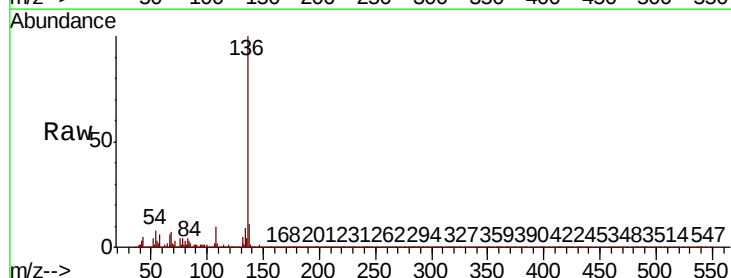
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 8.4 6.9 10.3

68 6.9 5.7 8.5

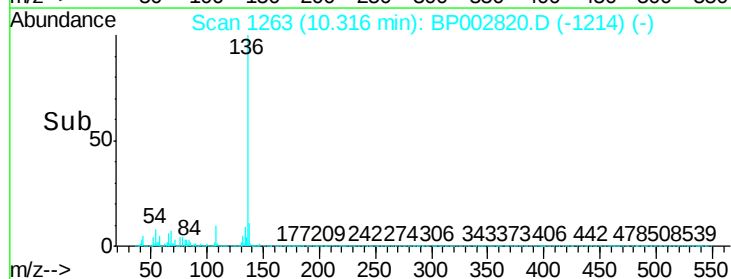
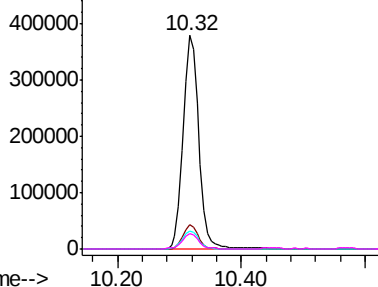


Abundance Ion 136.00 (135.70 to 136.70): E

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

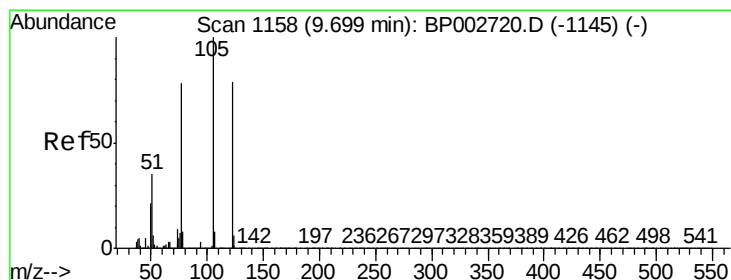
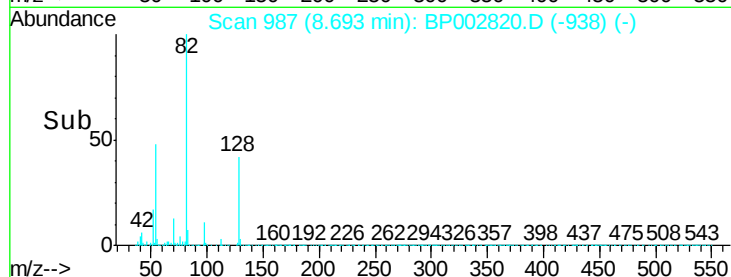
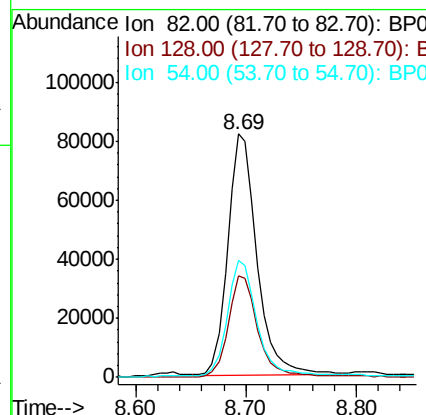
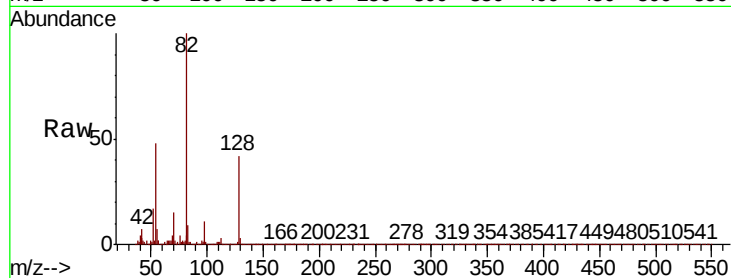




#23  
 Nitrobenzene-d5  
 Concen: 12.263 ng  
 RT: 8.69 min Scan# 987  
 Delta R.T. -0.01 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

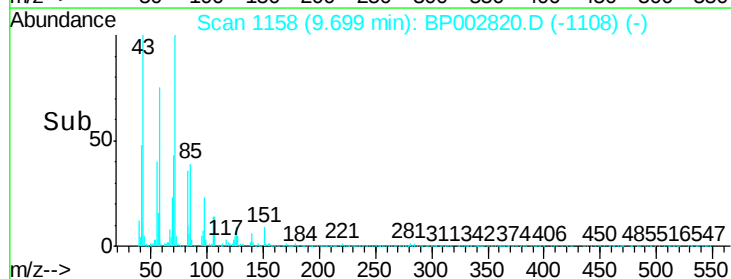
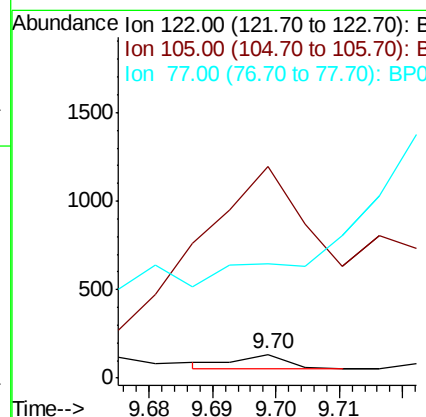
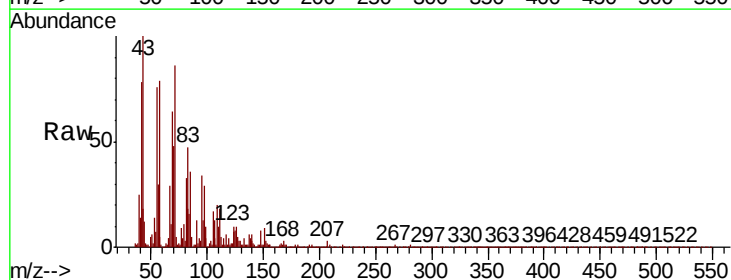
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-03-072020

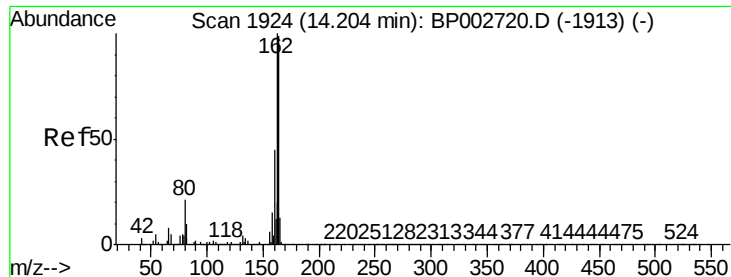
| Tot Ion   | 82    | Resp  | 152173 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.9  | 33.8  | 50.8   |
| 54        | 48.3  | 38.8  | 58.2   |



#32  
 Benzoic acid  
 Concen: 7.068 ng  
 RT: 9.70 min Scan# 1158  
 Delta R.T. -0.01 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

| Tgt Ion   | 122   | Resp  | 47     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 890.3 | 105.4 | 145.4# |
| 77        | 481.3 | 78.5  | 118.5# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

Instrument :

BNA\_P

ClientSampleId :

EO-03-072020

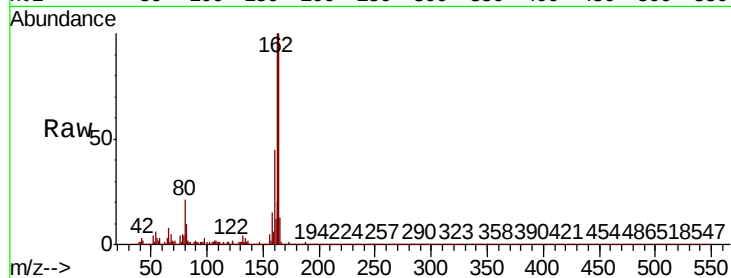
Tot Ion:164 Resp: 388778

Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

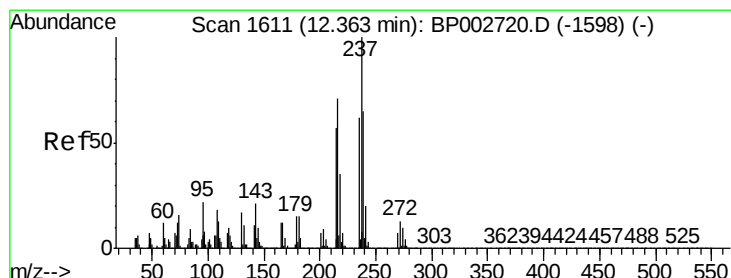
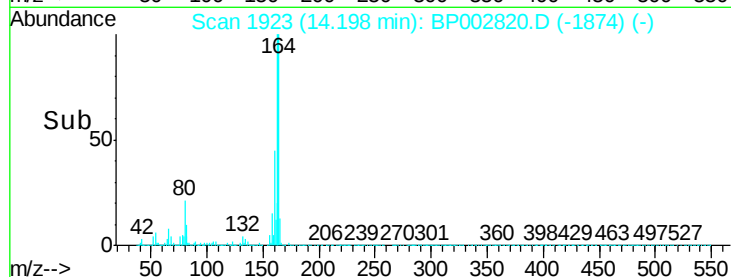
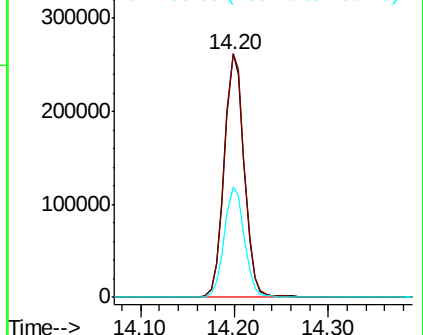
160 45.4 36.4 54.6



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: 7.438 ng

RT: 12.43 min Scan# 1623

Delta R.T. 0.07 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

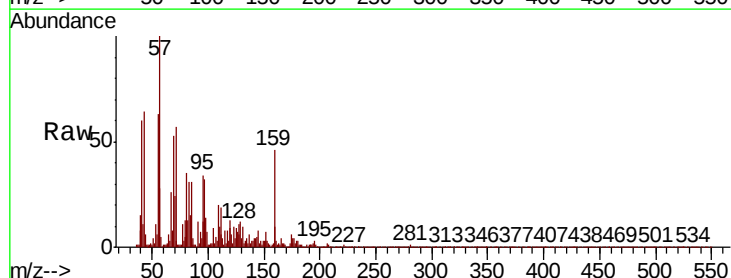
Tgt Ion:237 Resp: 22

Ion Ratio Lower Upper

237 100

235 50.0 42.3 82.3

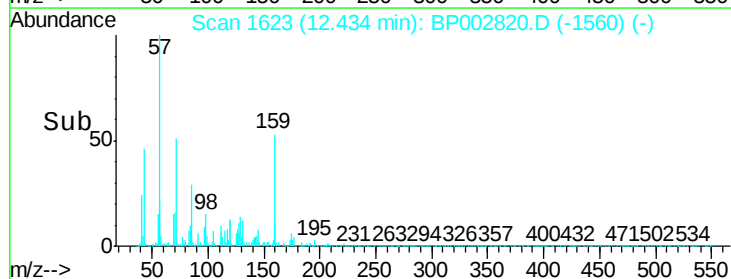
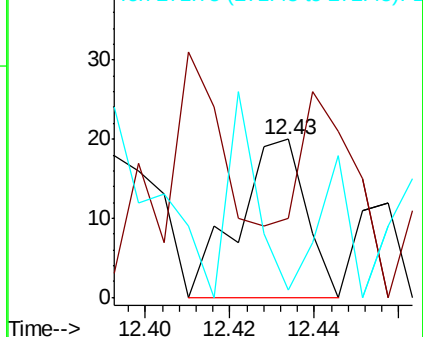
272 5.0 0.0 32.5

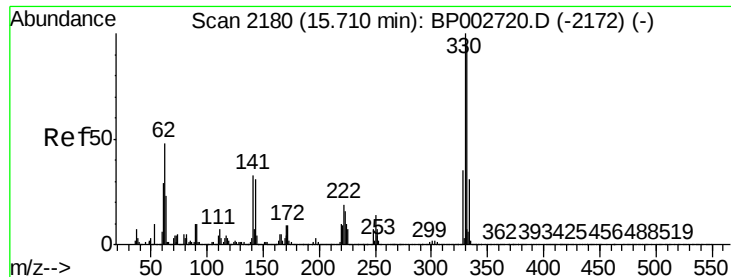


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

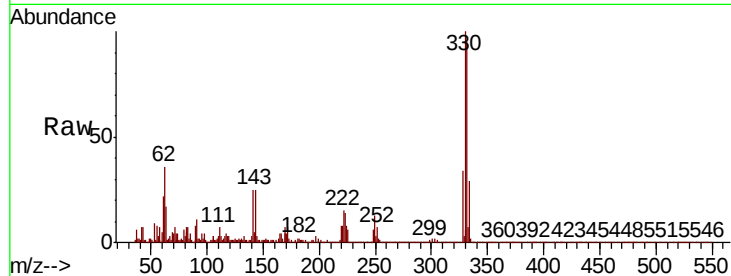




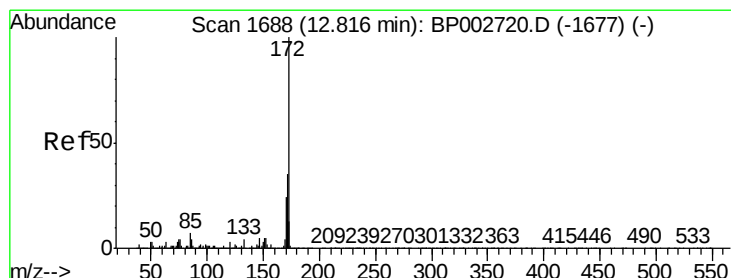
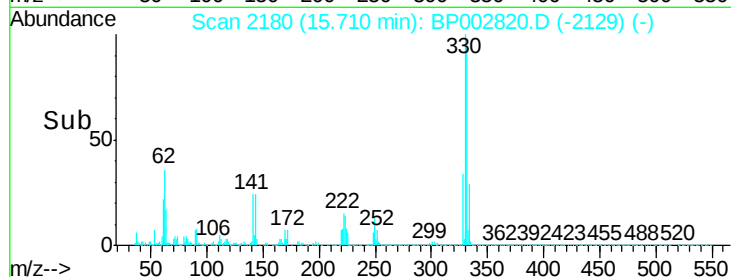
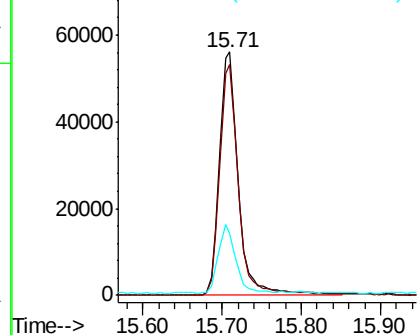
#42  
 2,4,6-Tribromophenol  
 Concen: 22.868 ng  
 RT: 15.71 min Scan# 2180  
 Delta R.T. 0.00 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-03-072020

Tot Ion:330 Resp: 92802  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 76.5 114.7  
 141 25.7 28.8 43.2#

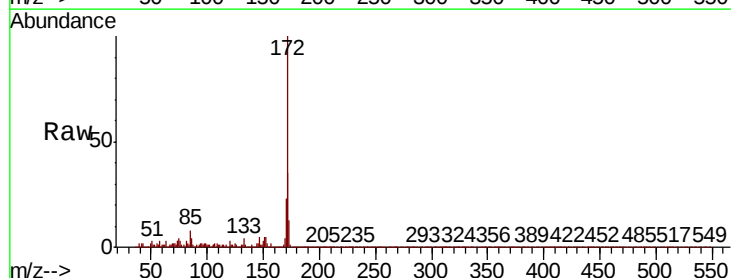


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

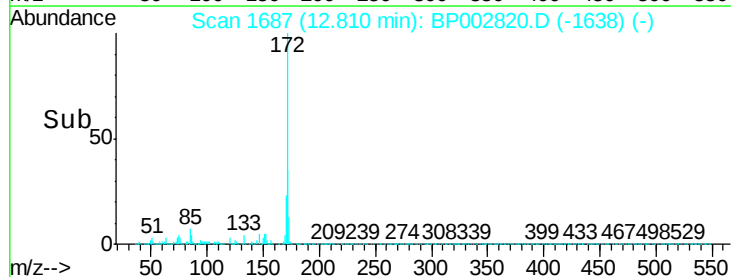
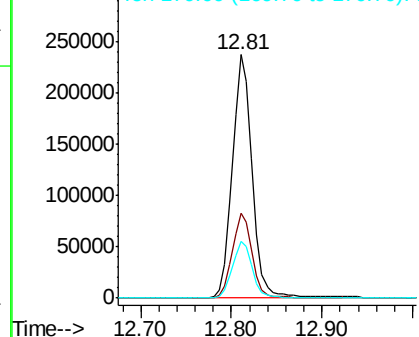


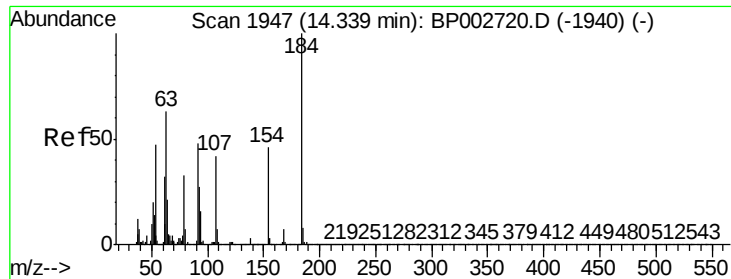
#45  
 2-Fluorobiphenyl  
 Concen: 14.425 ng  
 RT: 12.81 min Scan# 1687  
 Delta R.T. -0.01 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

Tgt Ion:172 Resp: 362523  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.1 42.1  
 170 23.3 19.3 28.9



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

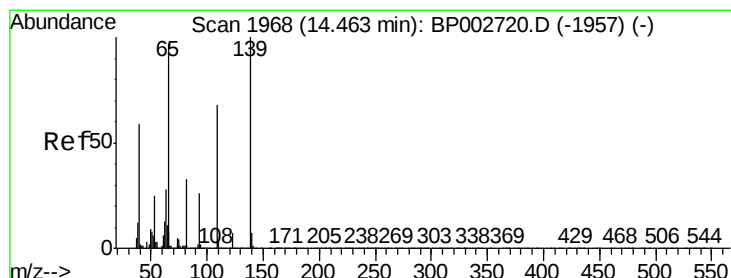
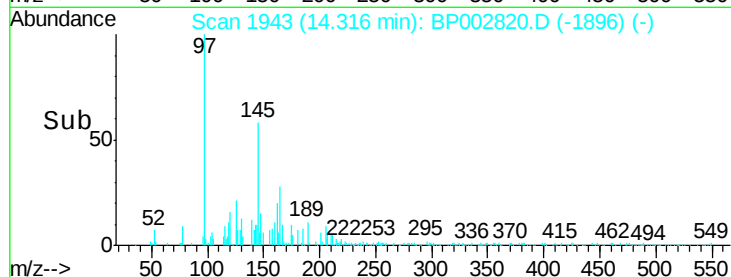
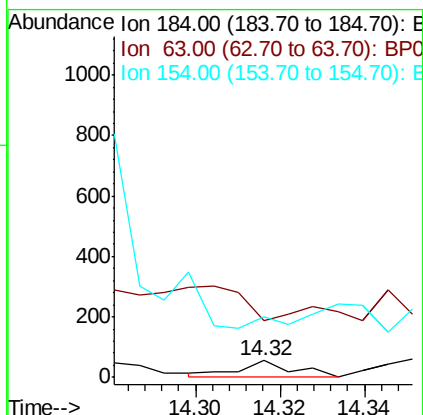
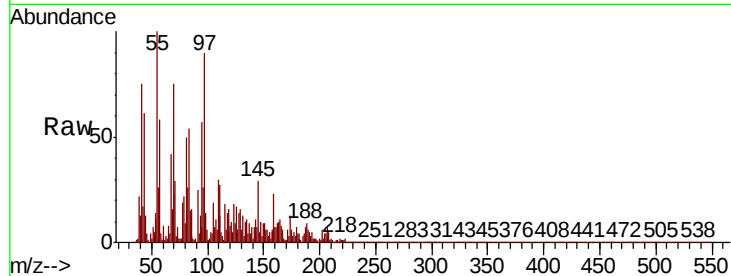




#54  
 2,4-Dinitrophenol  
 Concen: 11.386 ng  
 RT: 14.32 min Scan# 1943  
 Delta R.T. -0.02 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

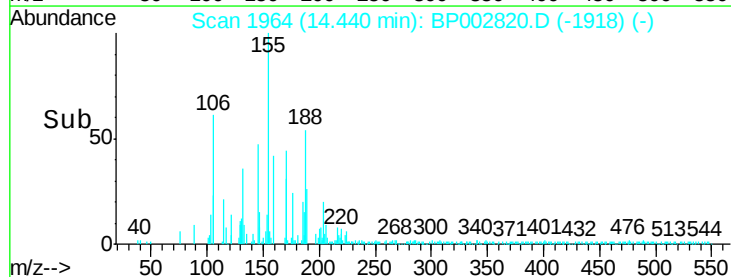
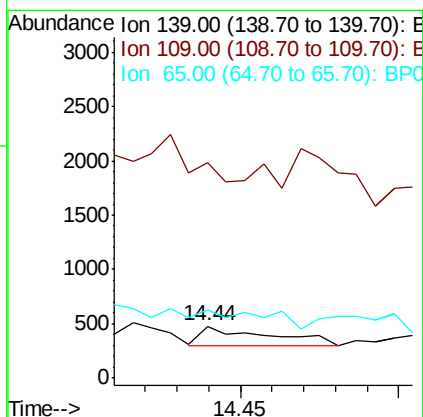
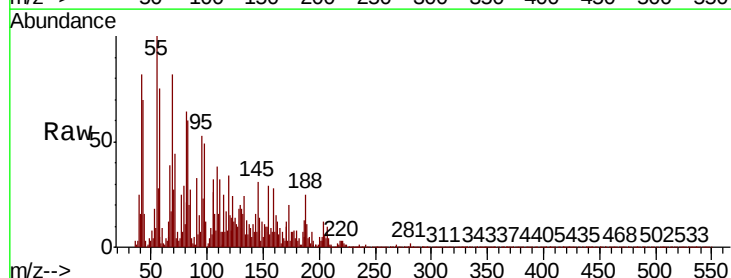
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-03-072020

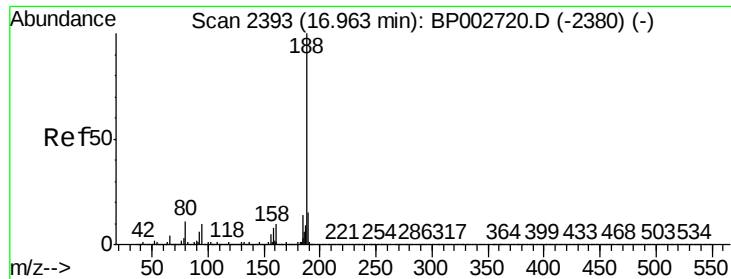
Tot Ion:184 Resp: 49  
 Ion Ratio Lower Upper  
 184 100  
 63 338.2 51.6 77.4#  
 154 367.3 45.0 67.6#



#56  
 4-Nitrophenol  
 Concen: 5.018 ng  
 RT: 14.44 min Scan# 1964  
 Delta R.T. -0.03 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

Tgt Ion:139 Resp: 283  
 Ion Ratio Lower Upper  
 139 100  
 109 416.2 48.1 88.1#  
 65 130.9 77.9 117.9#

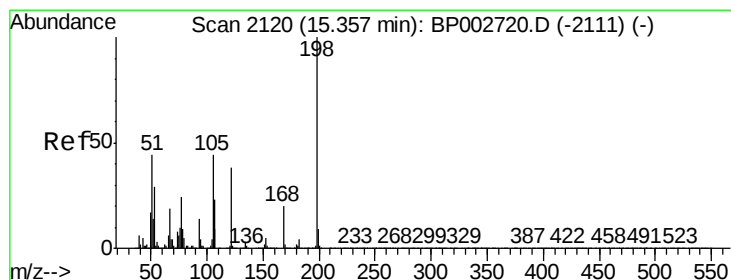
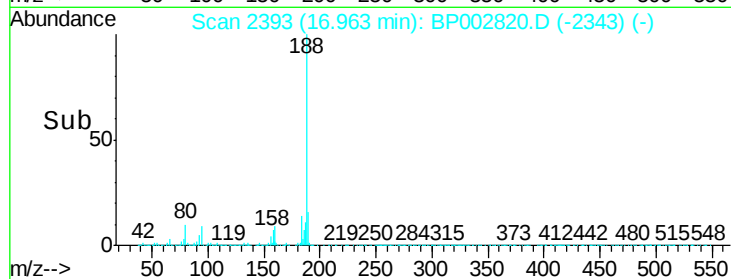
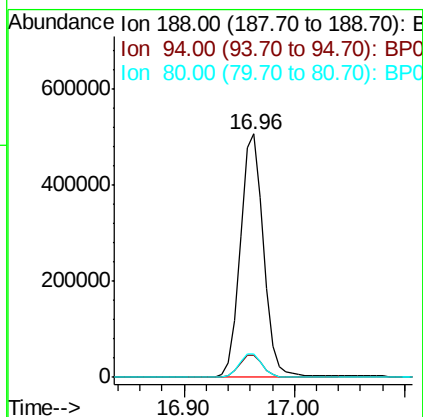
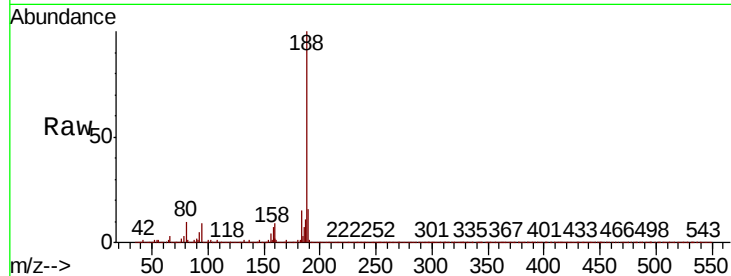




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

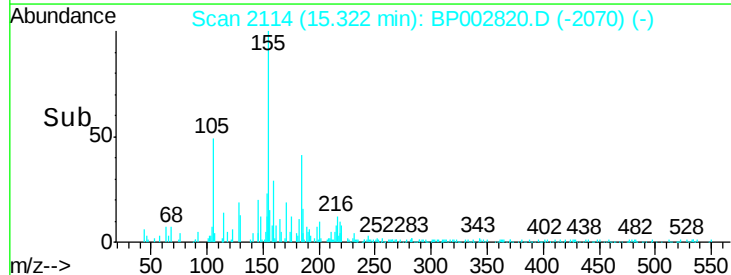
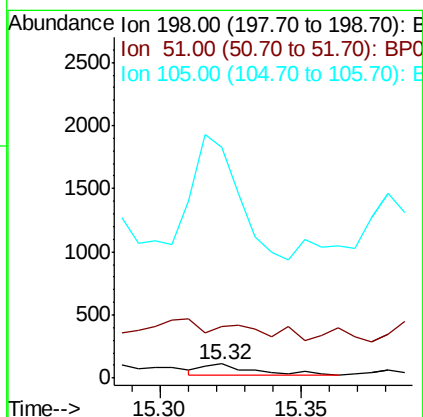
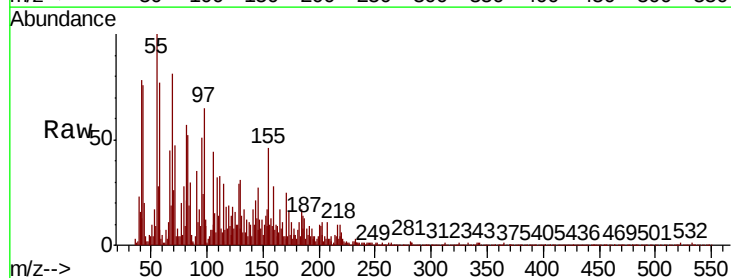
Instrument :  
BNA\_P  
ClientSampleId :  
EO-03-072020

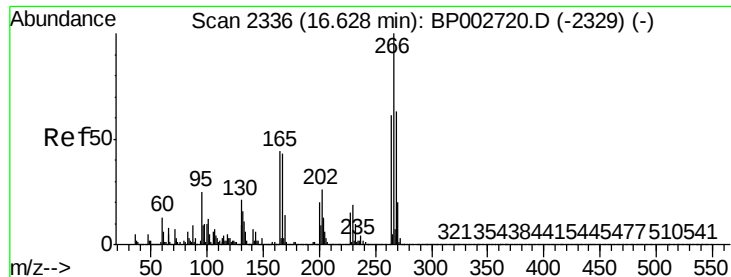
Tot Ion:188 Resp: 744974  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.1 12.1  
80 9.7 8.9 13.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.288 ng  
RT: 15.32 min Scan# 2114  
Delta R.T. -0.04 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

Tgt Ion:198 Resp: 108  
Ion Ratio Lower Upper  
198 100  
51 372.7 27.1 67.1#  
105 1663.6 24.9 64.9#

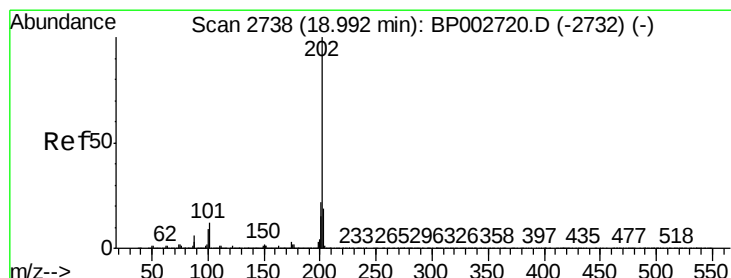
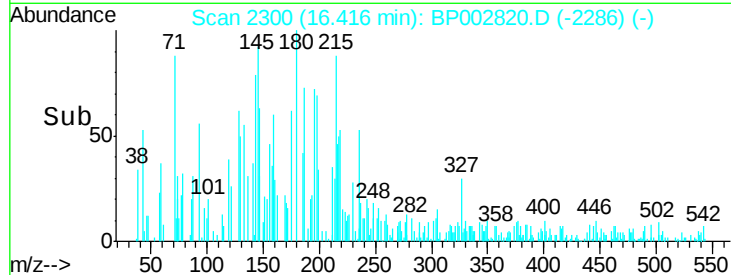
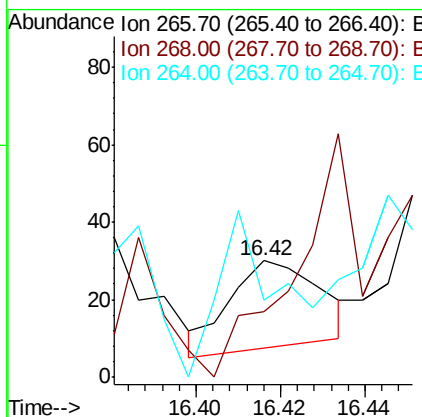
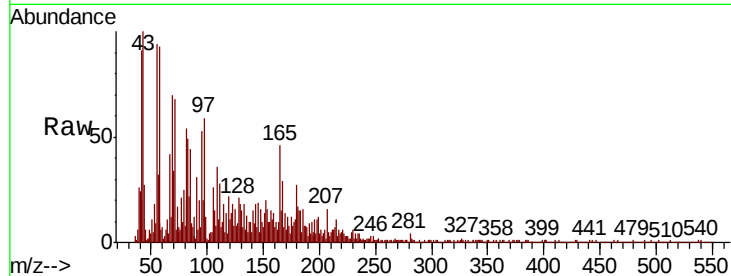




#70  
 Pentachlorophenol  
 Concen: 7.449 ng  
 RT: 16.42 min Scan# 2300  
 Delta R.T. -0.22 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

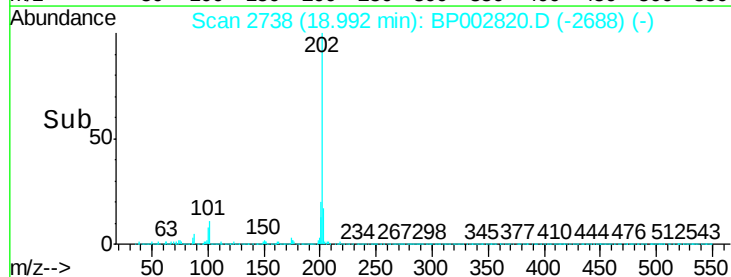
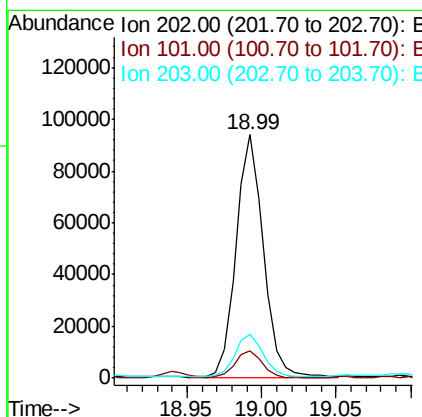
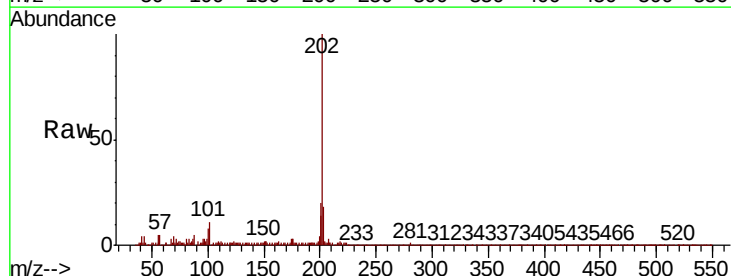
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-03-072020

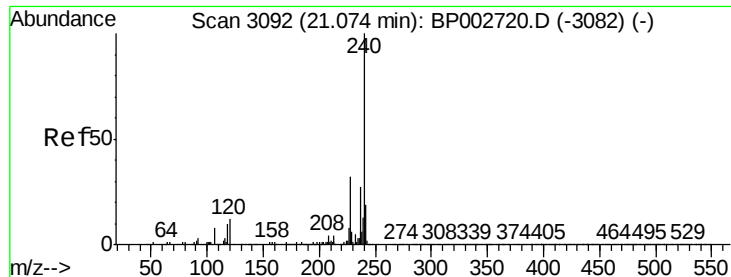
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 266   | Resp: | 33    |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 268      | 56.7  | 50.6  | 75.8  |
| 264      | 66.7  | 48.6  | 72.8  |



#75  
 Fluoranthene  
 Concen: 2.547 ng  
 RT: 18.99 min Scan# 2738  
 Delta R.T. -0.01 min  
 Lab File: BP002820.D  
 Acq: 21 Jul 2020 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 119058 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 11.3  | 0.0   | 32.5   |
| 203      | 17.9  | 0.0   | 38.6   |

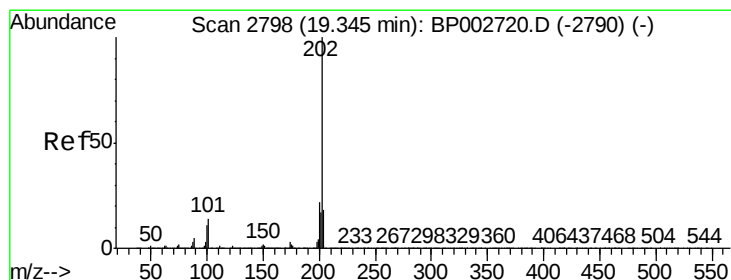
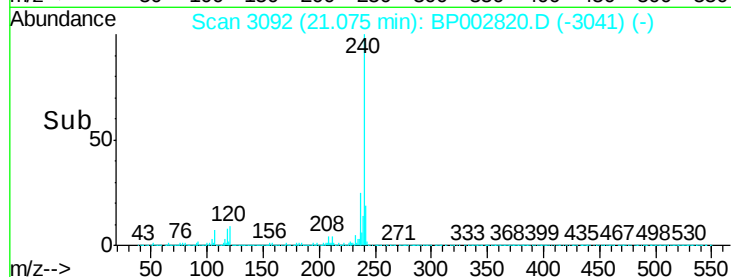
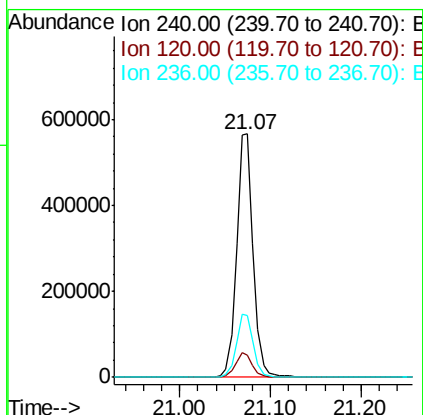
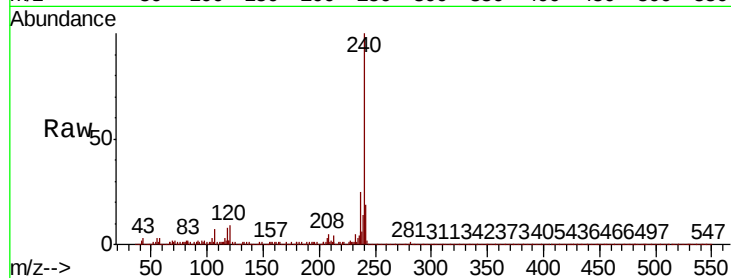




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.07 min Scan# 3092  
Delta R.T. 0.00 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

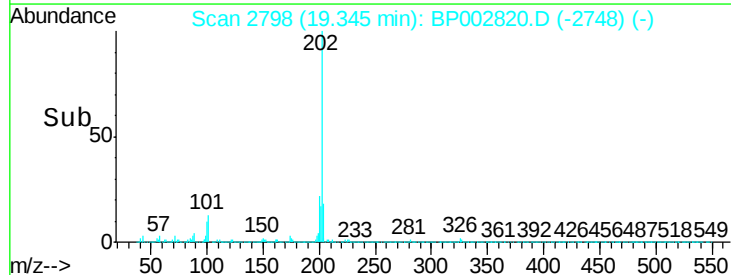
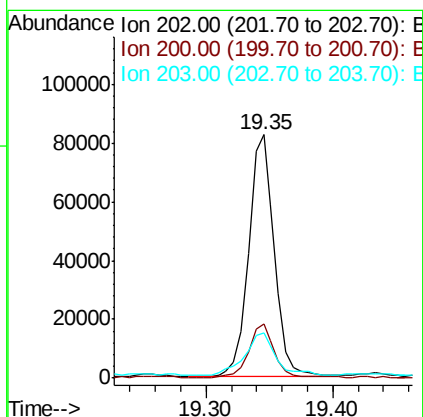
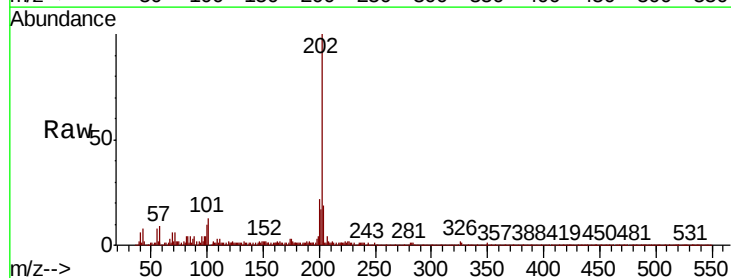
Instrument :  
BNA\_P  
ClientSampleId :  
EO-03-072020

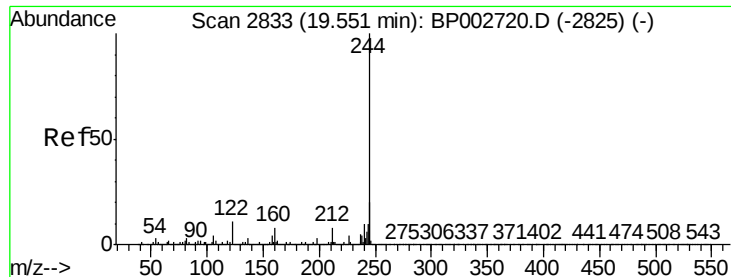
Tot Ion:240 Resp: 720580  
Ion Ratio Lower Upper  
240 100  
120 9.4 9.4 14.2#  
236 25.3 21.3 31.9



#78  
Pyrene  
Concen: 2.318 ng  
RT: 19.35 min Scan# 2798  
Delta R.T. -0.01 min  
Lab File: BP002820.D  
Acq: 21 Jul 2020 18:37

Tgt Ion:202 Resp: 115316  
Ion Ratio Lower Upper  
202 100  
200 22.3 17.7 26.5  
203 18.6 14.5 21.7





#79

Terphenyl-d14

Concen: 13.243 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

Instrument :

BNA\_P

ClientSampleId :

EO-03-072020

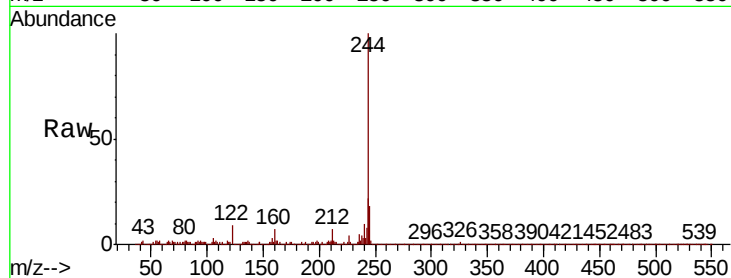
Tot Ion:244 Resp: 416204

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

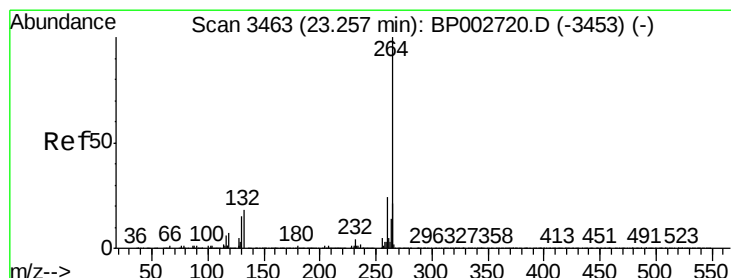
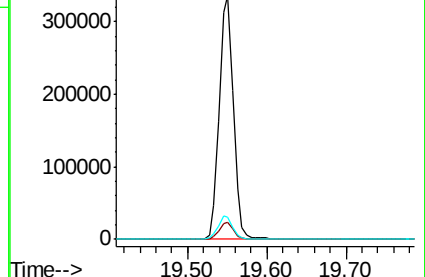
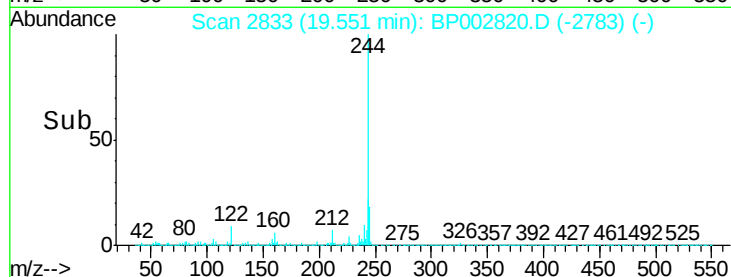
122 9.3 8.9 13.3



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: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002820.D

Acq: 21 Jul 2020 18:37

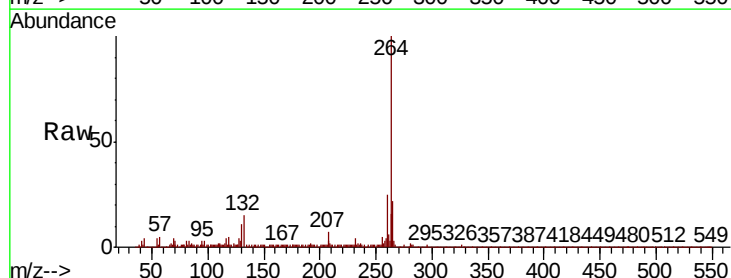
Tgt Ion:264 Resp: 767869

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

265 22.4 16.8 25.2



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

