

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091820\  
 Data File : BP003326.D  
 Acq On : 18 Sep 2020 17:41  
 Operator : CG/JU  
 Sample : L4059-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAV-B33-091720-0-10

Quant Time: Sep 18 18:59:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 14:13:41 2020  
 Response via : Initial Calibration

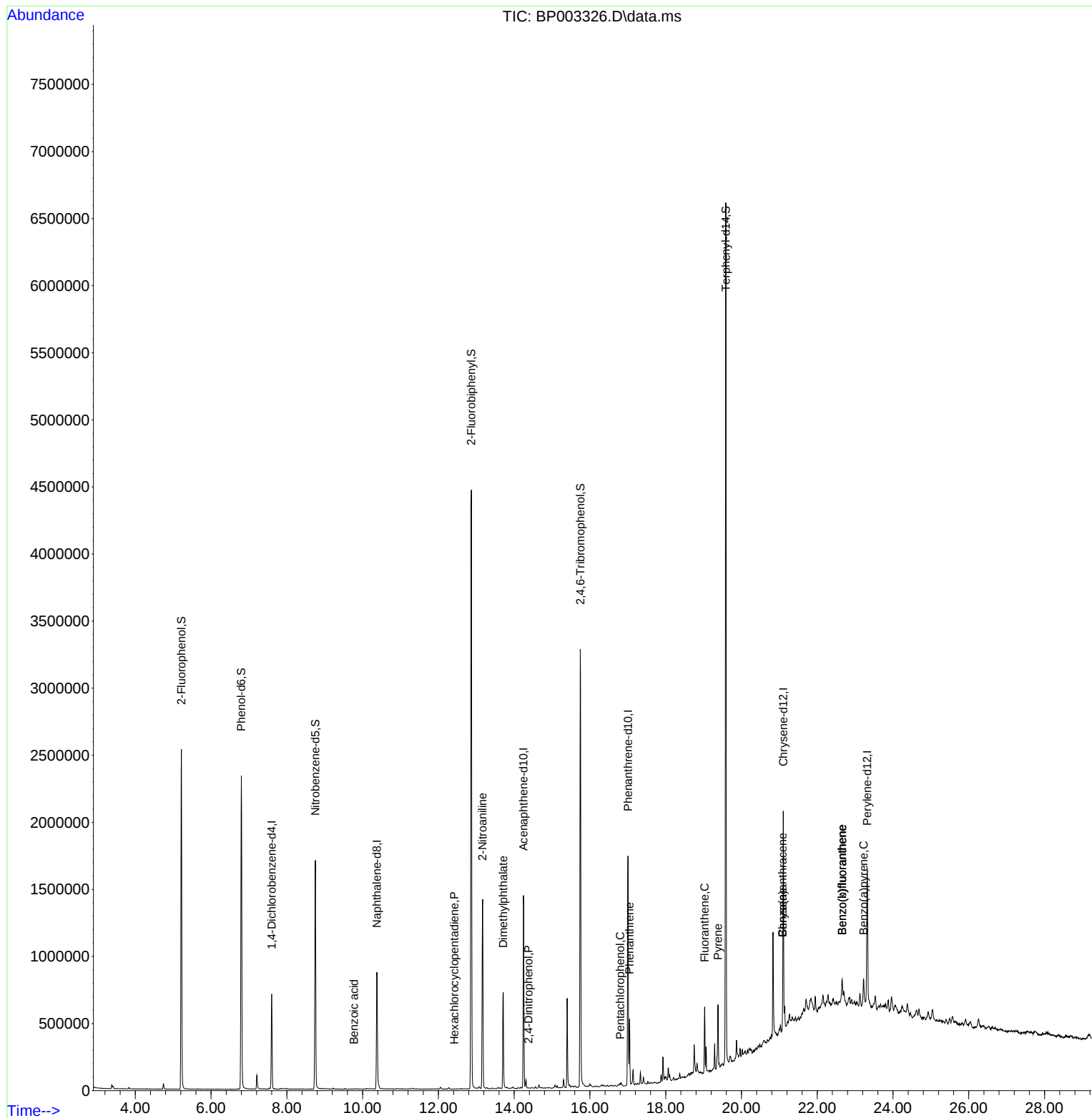
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.599  | 152  | 197069   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.375 | 136  | 802607   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.246 | 164  | 484717   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.004 | 188  | 1008664  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.104 | 240  | 767452   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.321 | 264  | 739576   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.217  | 112  | 1241426  | 110.00 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.799  | 99   | 1607855  | 106.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.752  | 82   | 1055913  | 77.29  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.745 | 330  | 753626   | 101.94 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.869 | 172  | 2488029  | 75.07  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.586 | 244  | 2944543  | 79.94  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid              | 9.769  | 122  | 46       | 9.16   | ng    | # 19     |
| 41) Hexachlorocyclopentadiene | 12.422 | 237  | 27       | 6.84   | ng    | 71       |
| 48) 2-Nitroaniline            | 13.163 | 65   | 26085    | 3.44   | ng    | # 1      |
| 50) Dimethylphthalate         | 13.710 | 163  | 532280   | 13.75  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.375 | 184  | 32       | 7.26   | ng    | # 1      |
| 70) Pentachlorophenol         | 16.798 | 266  | 54       | 6.78   | ng    | 93       |
| 71) Phenanthrene              | 17.045 | 178  | 295733   | 5.39   | ng    | 99       |
| 75) Fluoranthene              | 19.028 | 202  | 285943   | 4.14   | ng    | 99       |
| 78) Pyrene                    | 19.381 | 202  | 276790   | 5.78   | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.086 | 228  | 113791   | 2.29   | ng    | 97       |
| 83) Chrysene                  | 21.086 | 228  | 113791   | 2.39   | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 22.657 | 252  | 154140   | 3.30   | ng    | # 88     |
| 89) Benzo(k)fluoranthene      | 22.657 | 252  | 154140   | 3.44   | ng    | # 89     |
| 90) Benzo(a)pyrene            | 23.221 | 252  | 100031   | 2.27   | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

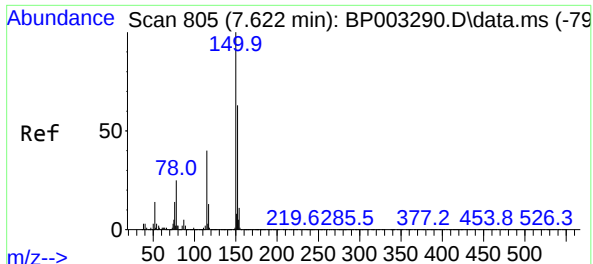
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091820\  
Data File : BP003326.D  
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Sample : L4059-03  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
PAV-B33-091720-0-10

Quant Time: Sep 18 18:59:08 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 18 14:13:41 2020  
Response via : Initial Calibration

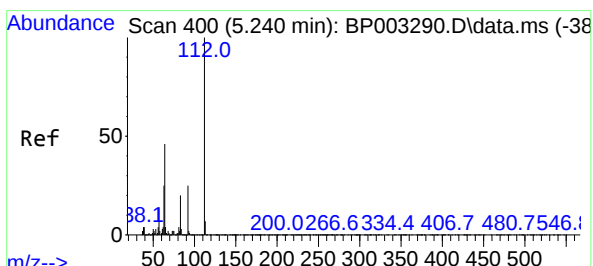
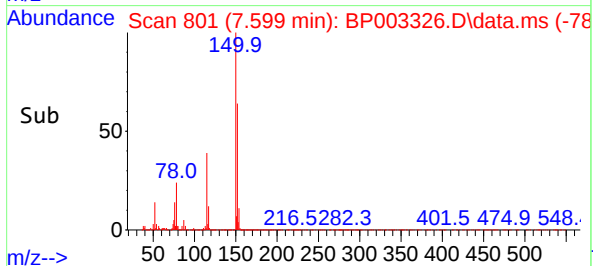
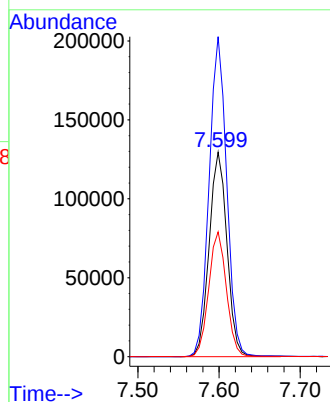
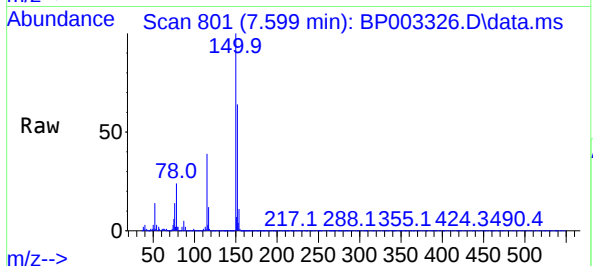




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.599 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

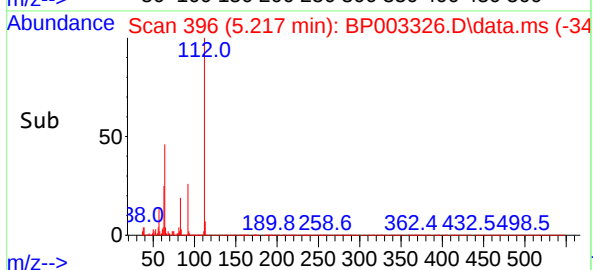
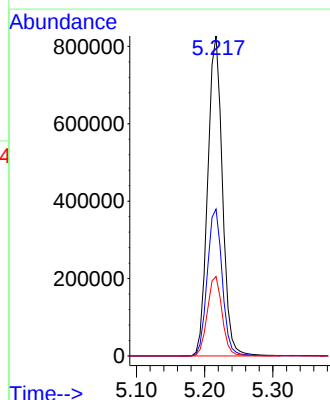
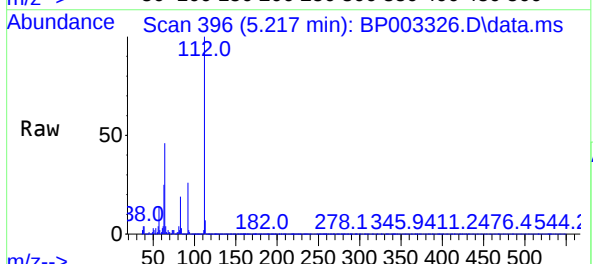
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

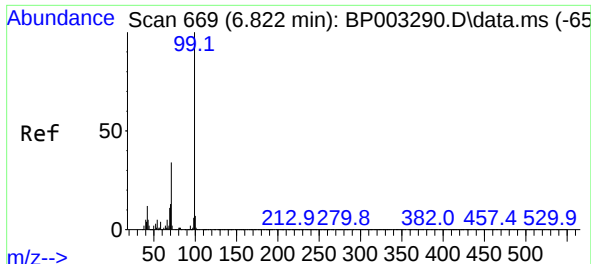
Tgt Ion:152 Resp: 197069  
Ion Ratio Lower Upper  
152 100  
150 156.5 123.8 185.6  
115 61.1 43.8 65.6



#5  
2-Fluorophenol  
Concen: 110.00 ng  
RT: 5.217 min Scan# 396  
Delta R.T. 0.006 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion:112 Resp: 1241426  
Ion Ratio Lower Upper  
112 100  
64 45.9 32.8 49.2  
63 24.9 17.0 25.4

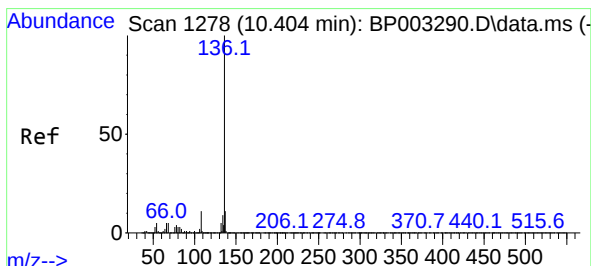
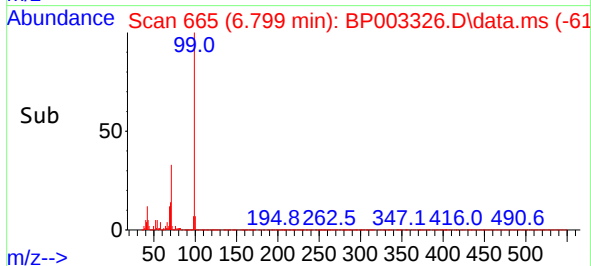
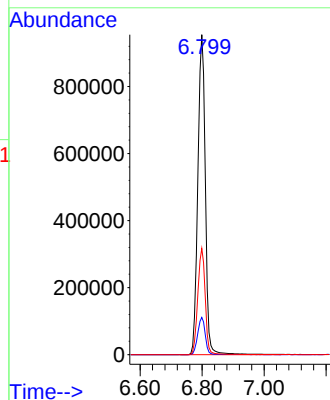
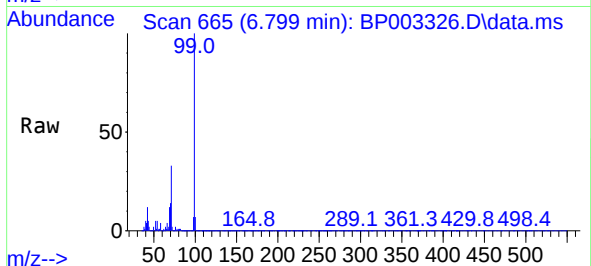




#7  
Phenol-d6  
Concen: 106.88 ng  
RT: 6.799 min Scan# 665  
Delta R.T. 0.006 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

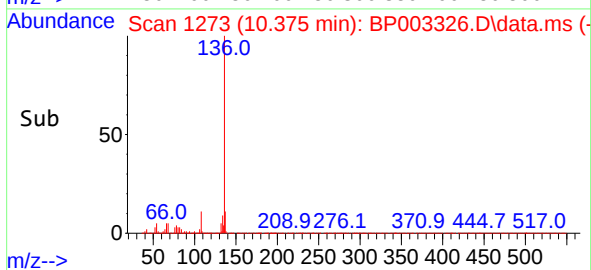
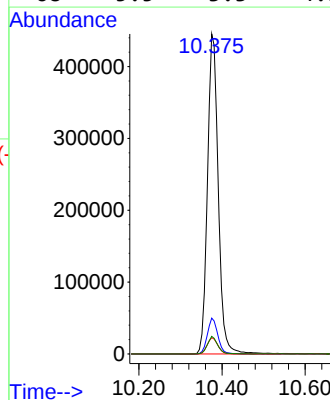
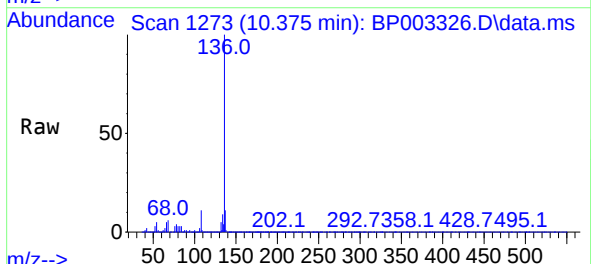
Instrument :  
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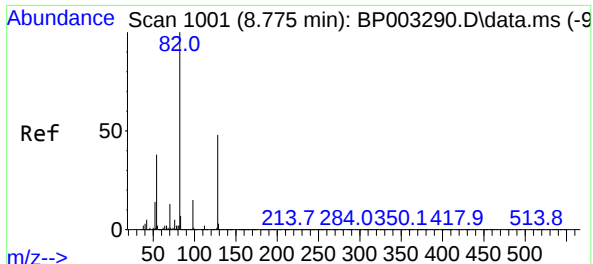
Tgt Ion: 99 Resp: 1607855  
Ion Ratio Lower Upper  
99 100  
42 11.7 8.6 13.0  
71 33.2 23.4 35.2



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.375 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion: 136 Resp: 802607  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 5.1 3.6 5.4  
68 5.5 3.3 4.9

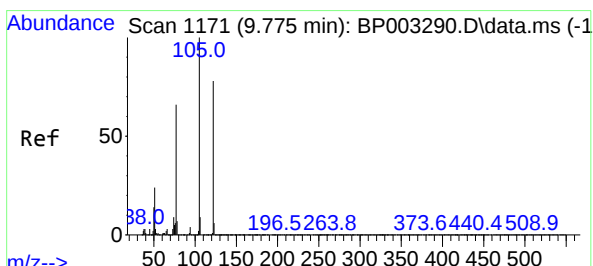
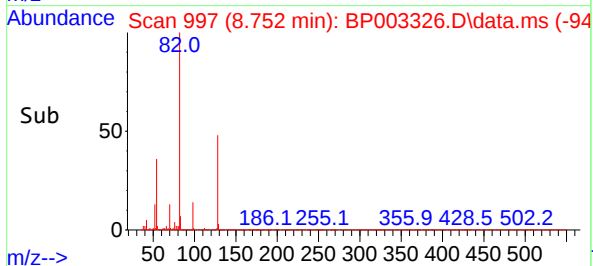
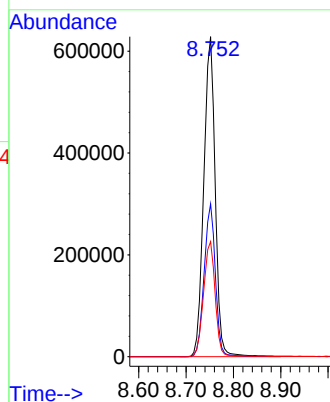
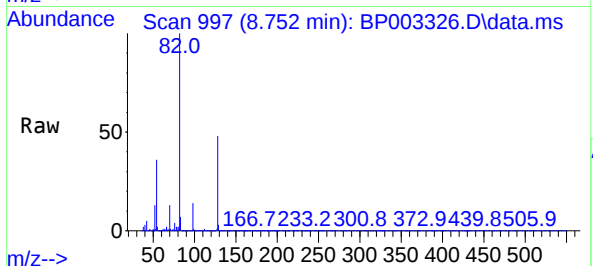




#23  
Nitrobenzene-d5  
Concen: 77.29 ng  
RT: 8.752 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

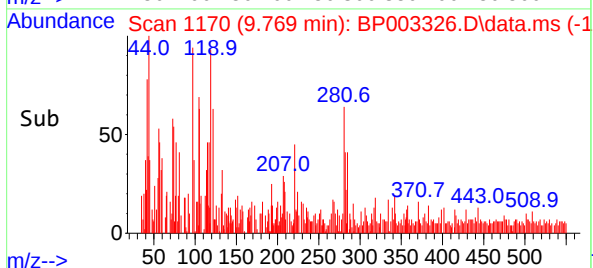
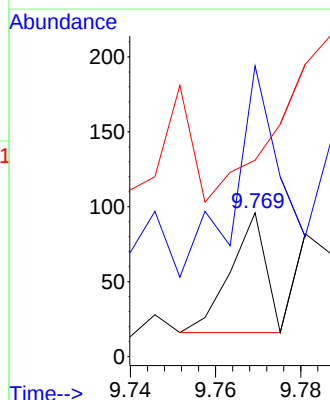
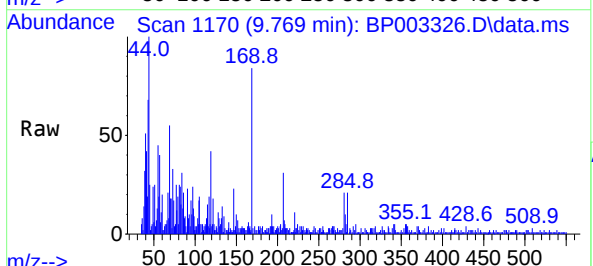
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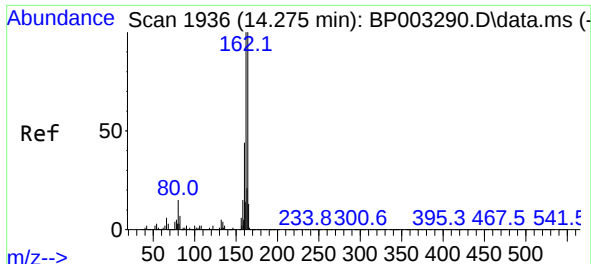
Tgt Ion: 82 Resp: 1055913  
Ion Ratio Lower Upper  
82 100  
128 47.7 45.6 68.4  
54 35.9 30.1 45.1



#32  
Benzoic acid  
Concen: 9.16 ng  
RT: 9.769 min Scan# 1170  
Delta R.T. 0.018 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion: 122 Resp: 46  
Ion Ratio Lower Upper  
122 100  
105 202.1 94.1 134.1#  
77 136.5 50.1 90.1#

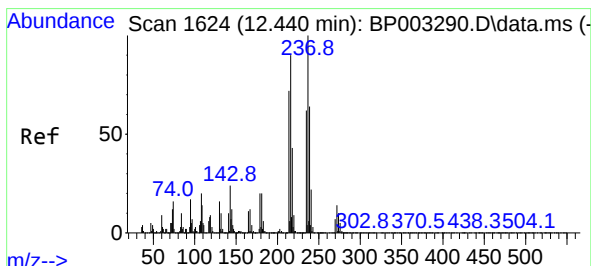
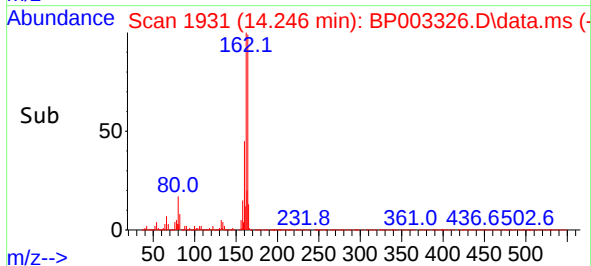
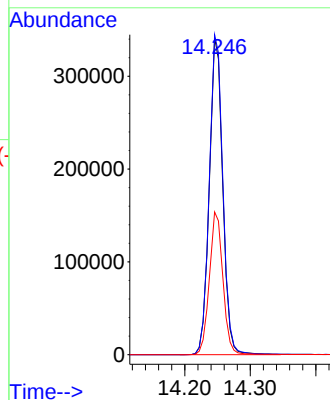
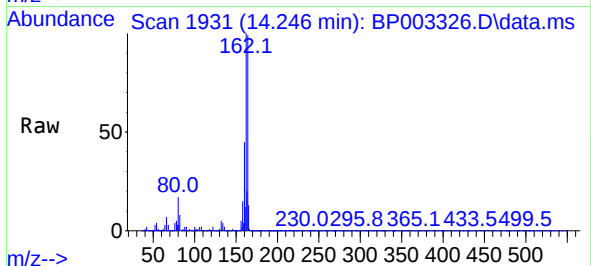




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.246 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

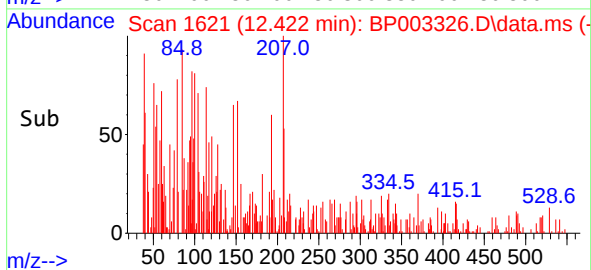
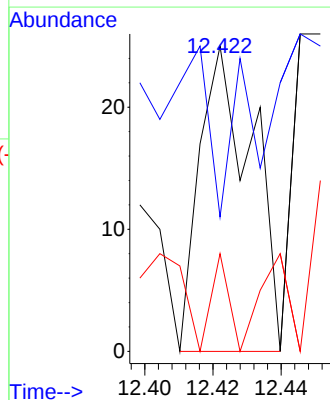
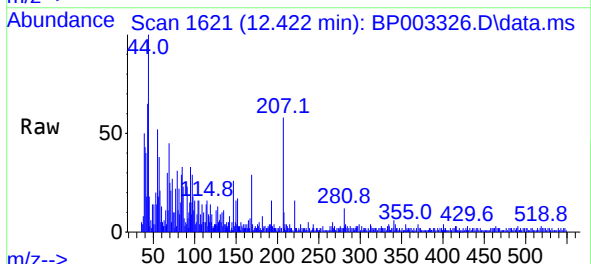
Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion:164 Resp: 484717  
Ion Ratio Lower Upper  
164 100  
162 101.0 79.4 119.2  
160 45.0 36.1 54.1



#41  
Hexachlorocyclopentadiene  
Concen: 6.84 ng  
RT: 12.422 min Scan# 1621  
Delta R.T. 0.012 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion:237 Resp: 27  
Ion Ratio Lower Upper  
237 100  
235 44.0 43.2 83.2  
272 32.0 0.0 33.3

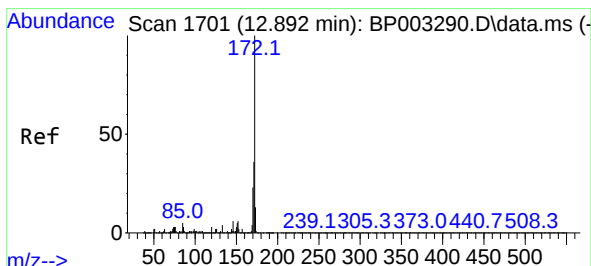
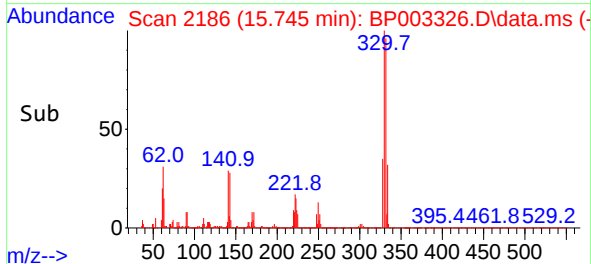
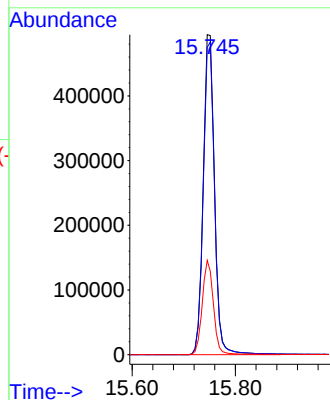
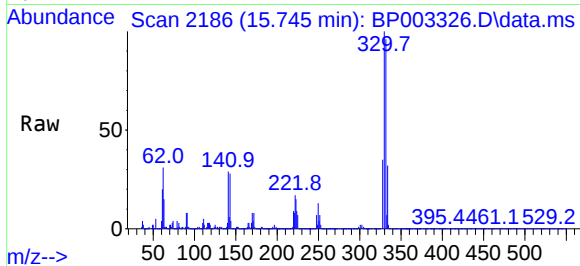




#42  
2,4,6-Tribromophenol  
Concen: 101.94 ng  
RT: 15.745 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

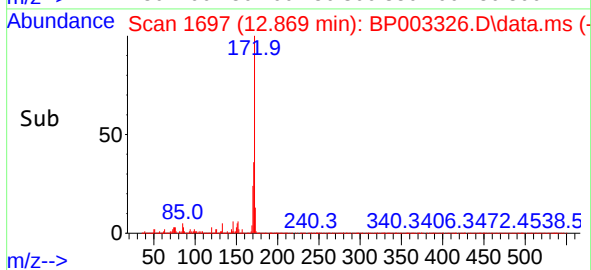
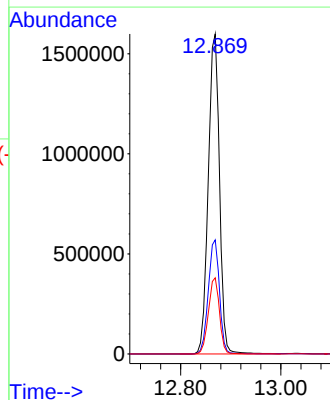
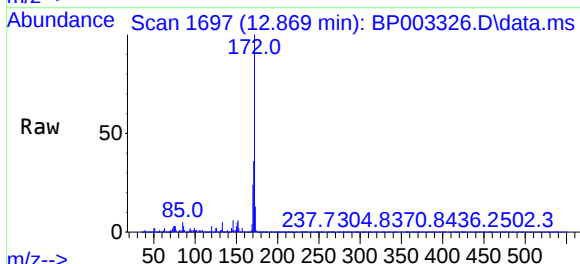
Instrument :  
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ClientSampleId :  
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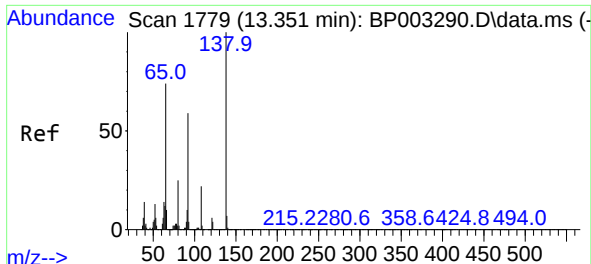
Tgt Ion:330 Resp: 753626  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.1 115.7  
141 29.1 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 75.07 ng  
RT: 12.869 min Scan# 1697  
Delta R.T. 0.006 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion:172 Resp: 2488029  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.5 42.7  
170 23.8 19.2 28.8

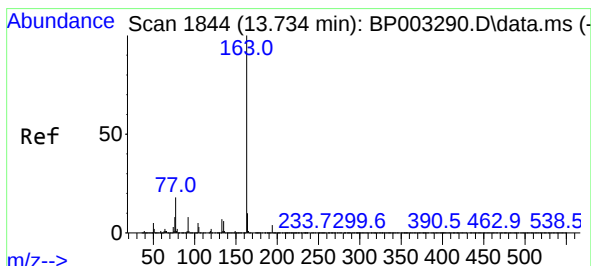
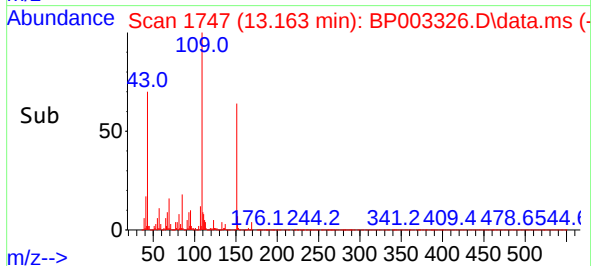
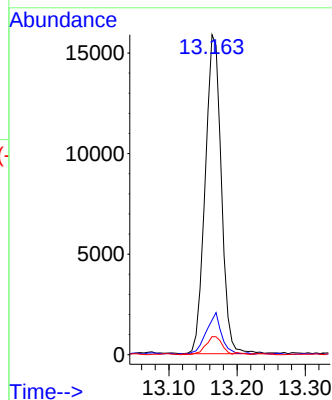
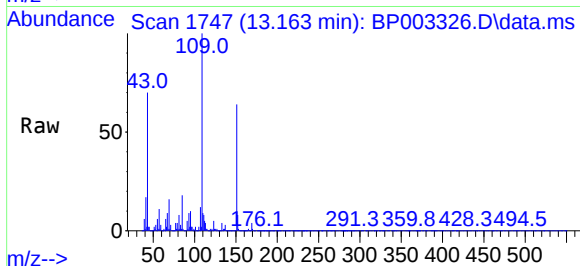




#48  
2-Nitroaniline  
Concen: 3.44 ng  
RT: 13.163 min Scan# 1747  
Delta R.T. -0.159 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

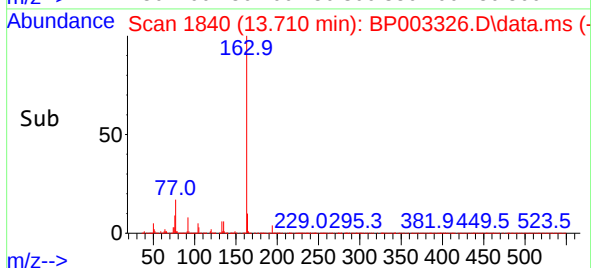
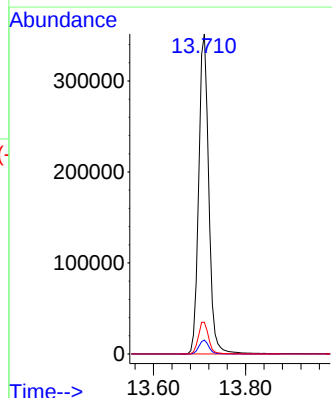
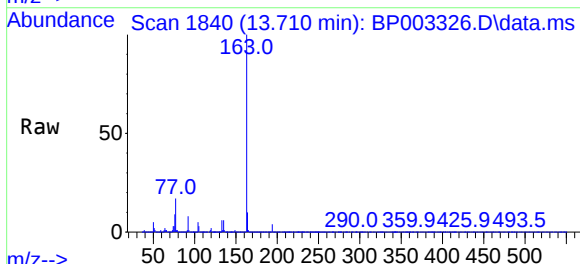
Instrument :  
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PAV-B33-091720-0-10

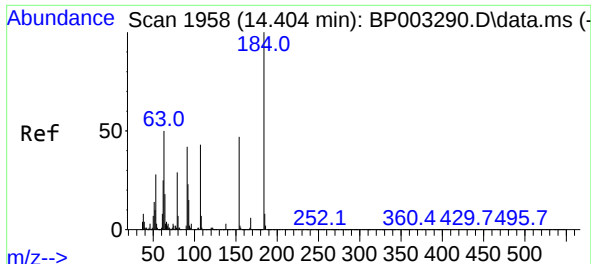
Tgt Ion: 65 Resp: 26085  
Ion Ratio Lower Upper  
65 100  
92 10.8 70.6 106.0#  
138 5.6 133.6 200.4#



#50  
Dimethylphthalate  
Concen: 13.75 ng  
RT: 13.710 min Scan# 1840  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion: 163 Resp: 532280  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.3 4.9  
164 9.9 8.2 12.2

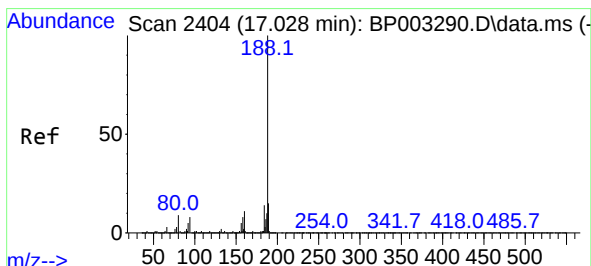
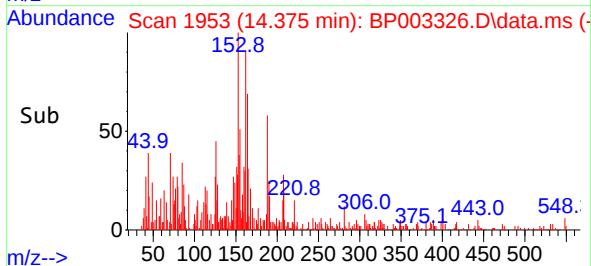
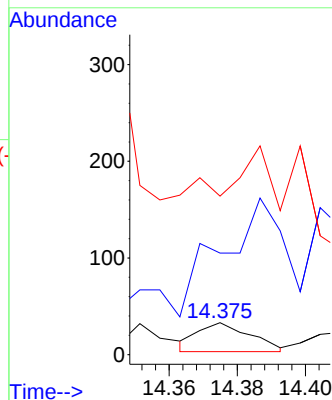
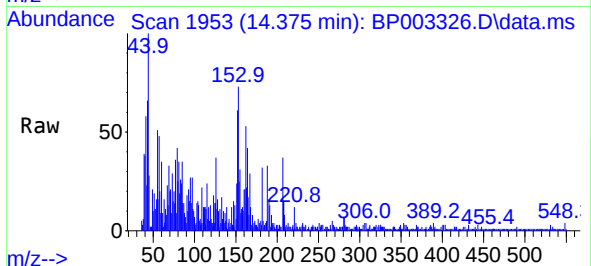




#54  
2,4-Dinitrophenol  
Concen: 7.26 ng  
RT: 14.375 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

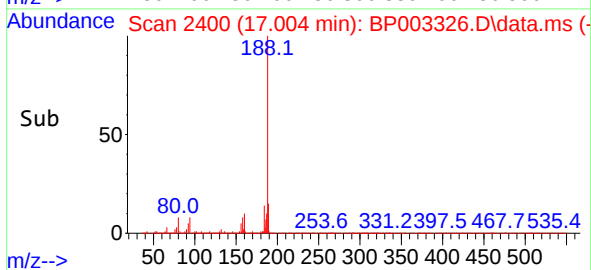
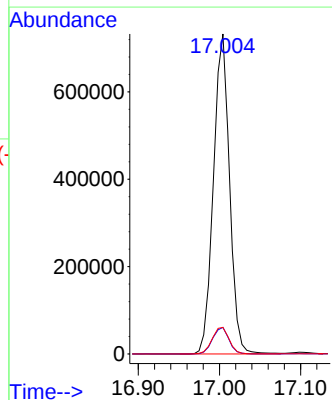
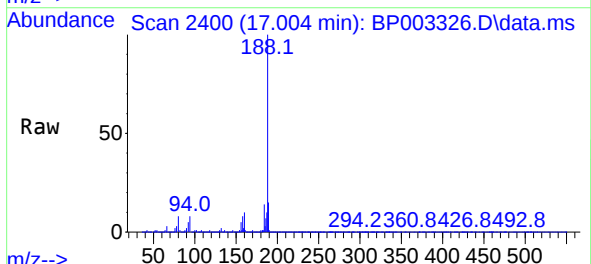
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

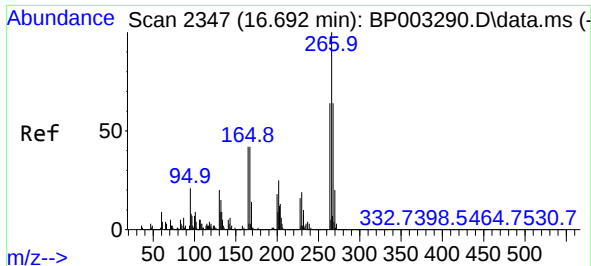
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 184   | Resp: | 32    |
| Ion      | Ratio | Lower | Upper |
| 184      | 100   |       |       |
| 63       | 318.2 | 32.3  | 48.5# |
| 154      | 497.0 | 49.1  | 73.7# |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.004 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 188   | Resp: | 1008664 |
| Ion      | Ratio | Lower | Upper   |
| 188      | 100   |       |         |
| 94       | 8.3   | 6.2   | 9.2     |
| 80       | 8.3   | 6.2   | 9.2     |



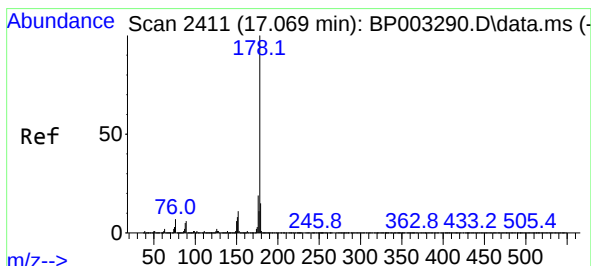
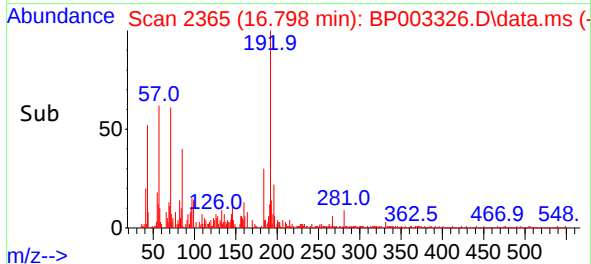
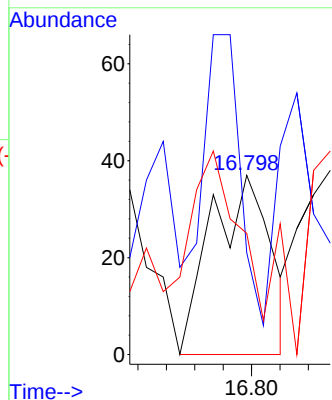
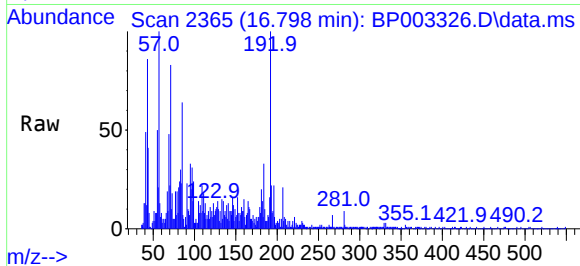


#70  
Pentachlorophenol  
Concen: 6.78 ng  
RT: 16.798 min Scan# 2365  
Delta R.T. 0.129 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

Tgt Ion:266 Resp: 54

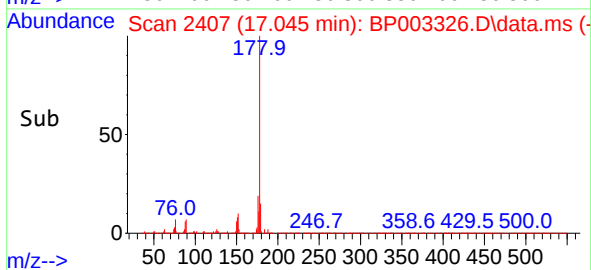
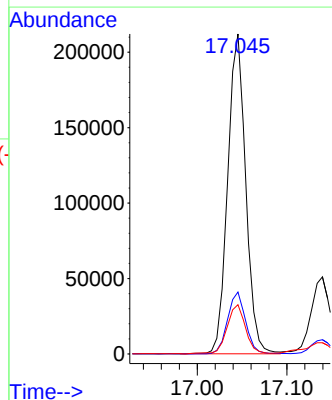
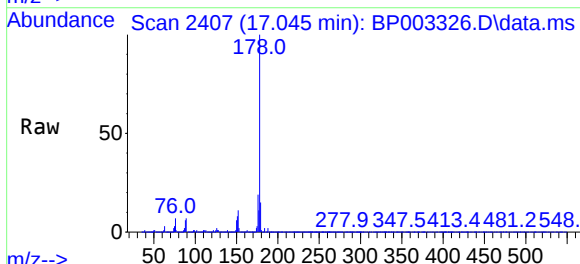
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 56.8  | 51.1  | 76.7  |
| 264 | 67.6  | 50.6  | 76.0  |

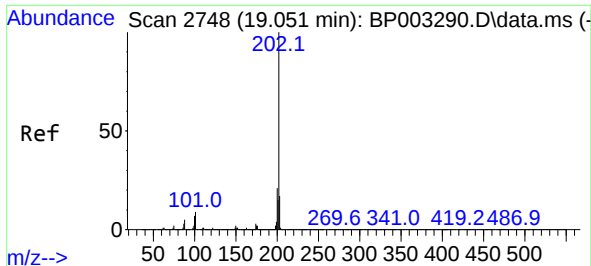


#71  
Phenanthrene  
Concen: 5.39 ng  
RT: 17.045 min Scan# 2407  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion:178 Resp: 295733

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.3  | 15.3  | 22.9  |
| 179 | 15.4  | 12.5  | 18.7  |

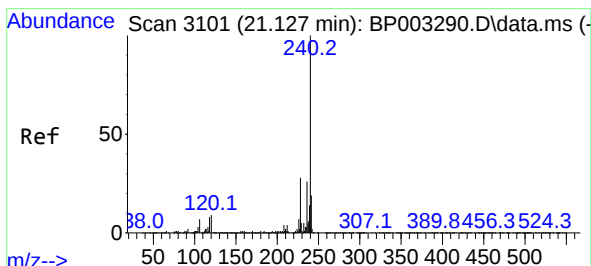
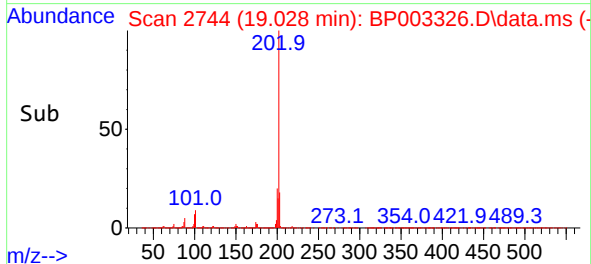
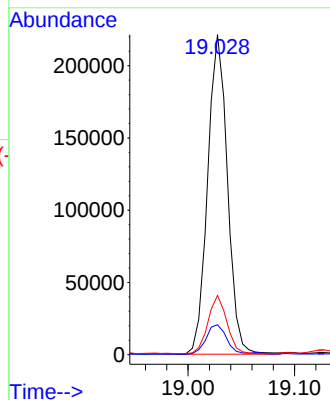
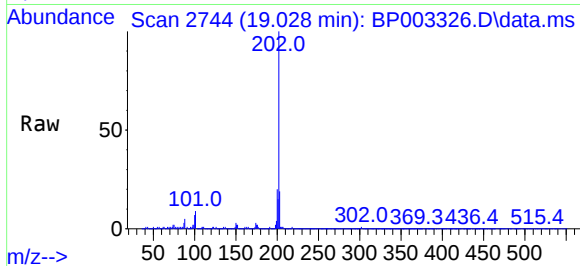




#75  
Fluoranthene  
Concen: 4.14 ng  
RT: 19.028 min Scan# 2744  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

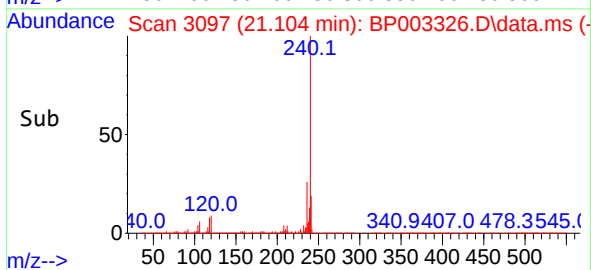
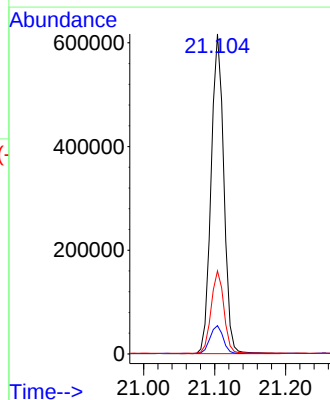
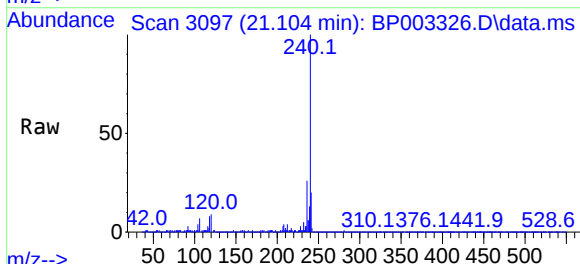
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

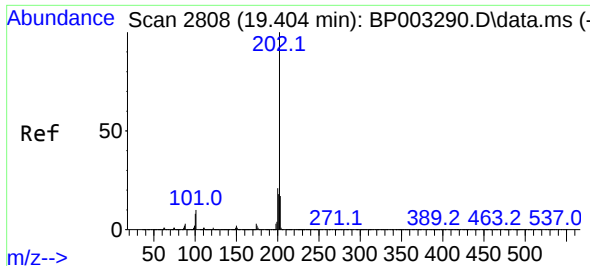
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 285943 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.4   | 0.0   | 29.4   |
| 203       | 18.5  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.104 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 767452 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.9   | 7.8   | 11.6   |
| 236       | 25.9  | 20.8  | 31.2   |



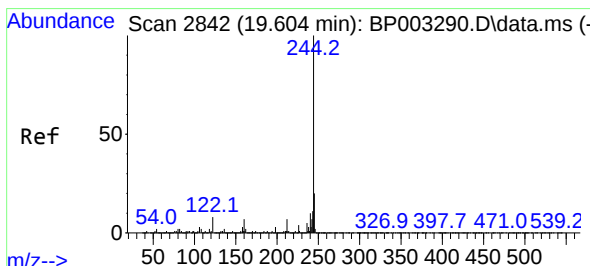
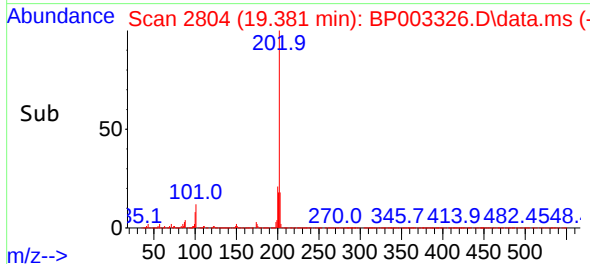
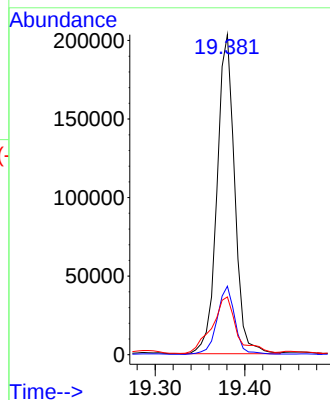
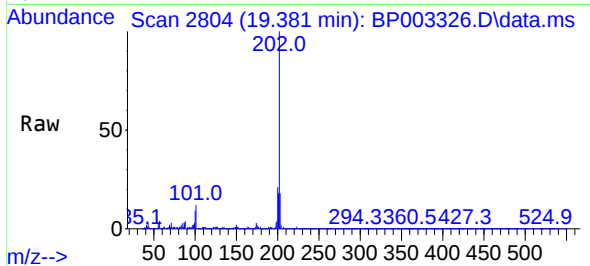


#78  
Pyrene  
Concen: 5.78 ng  
RT: 19.381 min Scan# 2804  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

Tgt Ion:202 Resp: 276790

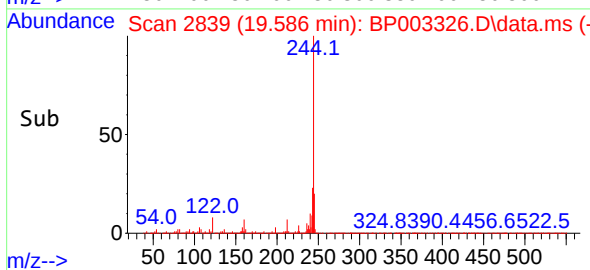
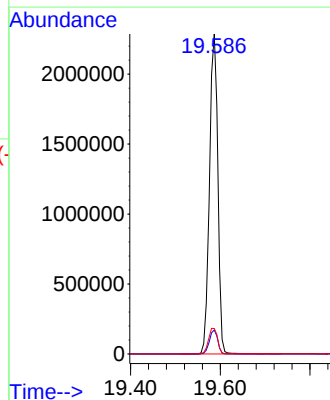
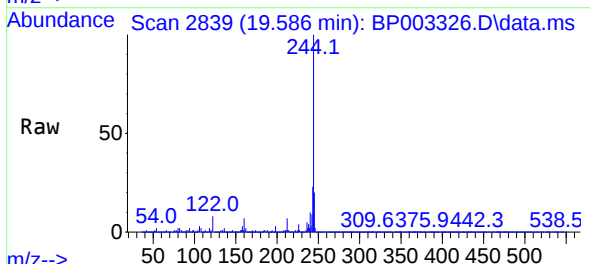
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 17.1  | 25.7  |
| 203 | 18.1  | 14.2  | 21.2  |

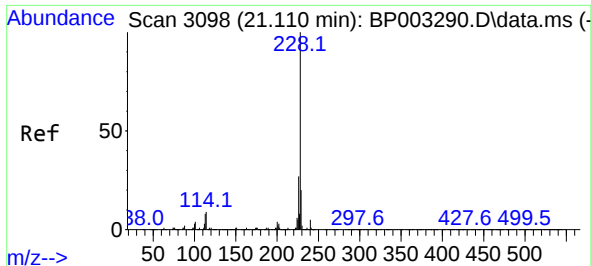


#79  
Terphenyl-d14  
Concen: 79.94 ng  
RT: 19.586 min Scan# 2839  
Delta R.T. 0.006 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

Tgt Ion:244 Resp: 2944543

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.8   | 8.6   |
| 122 | 8.0   | 7.8   | 11.8  |

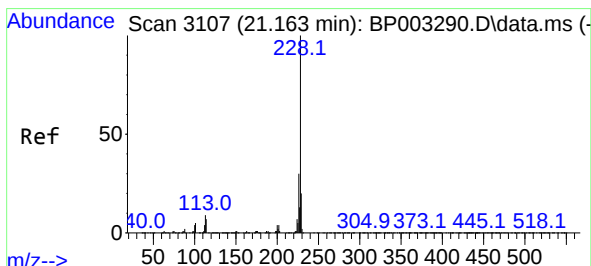
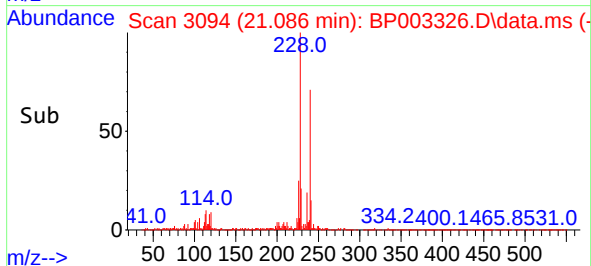
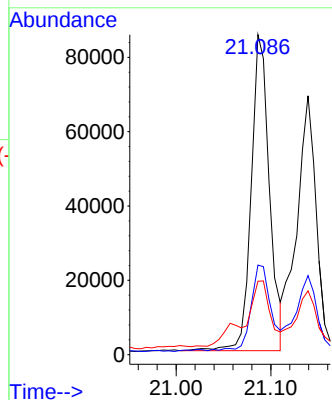
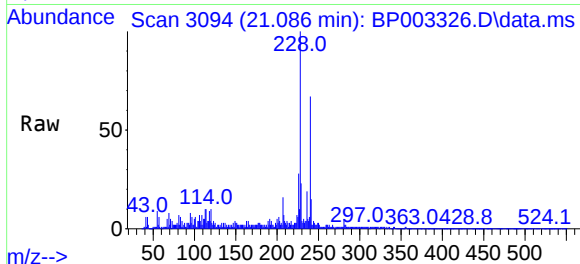




#81  
Benzo(a)anthracene  
Concen: 2.29 ng  
RT: 21.086 min Scan# 3094  
Delta R.T. -0.000 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

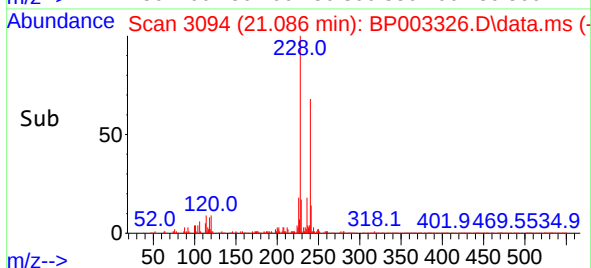
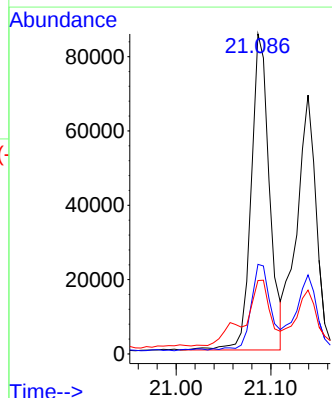
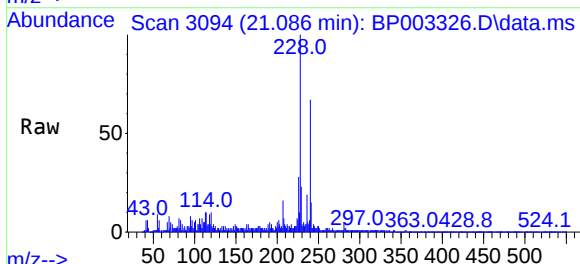
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B33-091720-0-10

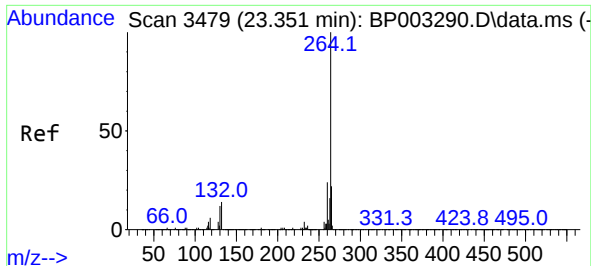
|             |              |
|-------------|--------------|
| Tgt Ion:228 | Resp: 113791 |
| Ion Ratio   | Lower Upper  |
| 228 100     |              |
| 226 28.0    | 22.1 33.1    |
| 229 23.0    | 15.9 23.9    |



#83  
Chrysene  
Concen: 2.39 ng  
RT: 21.086 min Scan# 3094  
Delta R.T. -0.053 min  
Lab File: BP003326.D  
Acq: 18 Sep 2020 17:41

|             |              |
|-------------|--------------|
| Tgt Ion:228 | Resp: 113791 |
| Ion Ratio   | Lower Upper  |
| 228 100     |              |
| 226 28.0    | 24.4 36.6    |
| 229 23.0    | 15.8 23.6    |

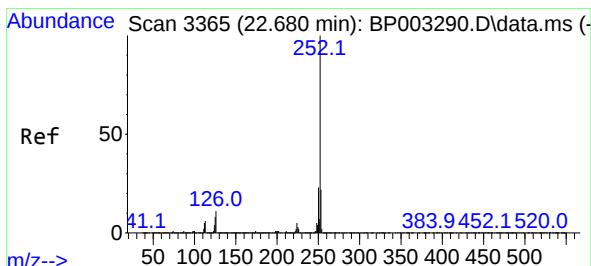
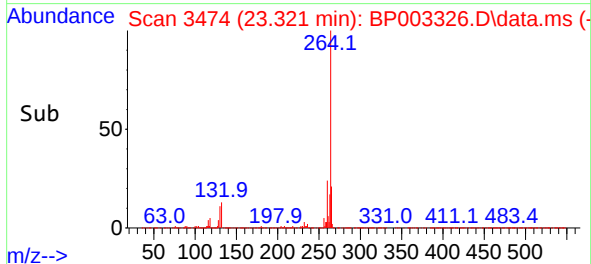
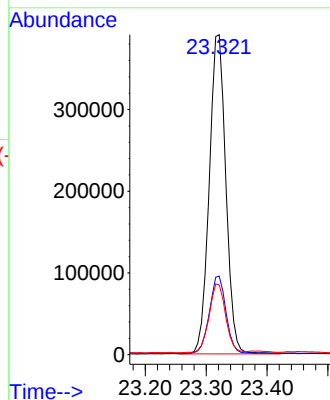
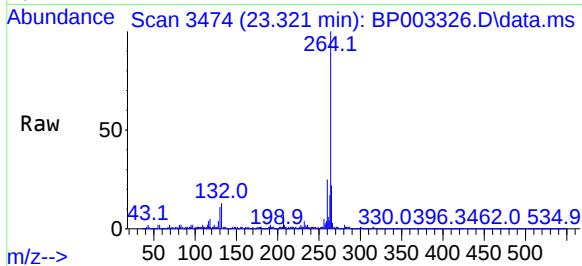




#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.321 min Scan# 3474  
 Delta R.T. 0.006 min  
 Lab File: BP003326.D  
 Acq: 18 Sep 2020 17:41

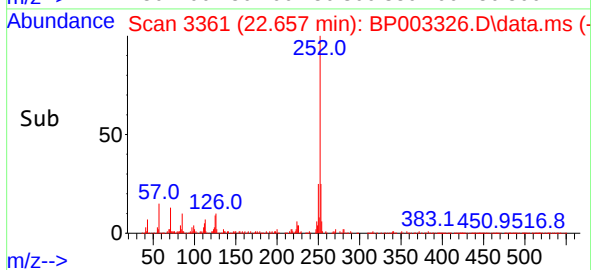
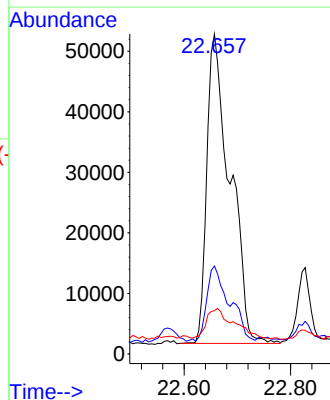
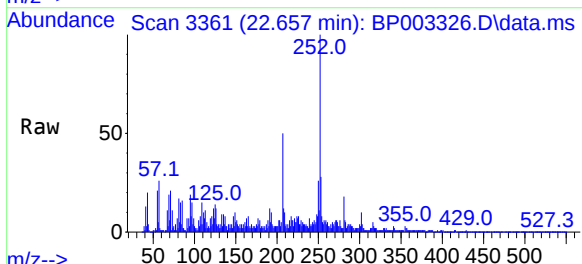
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAV-B33-091720-0-10

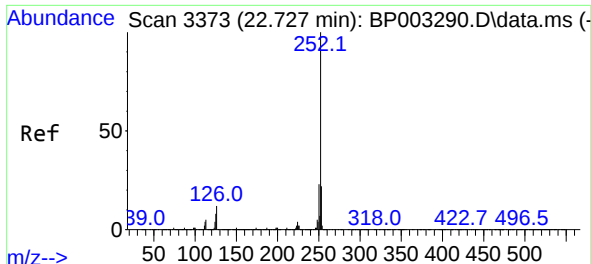
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 739576    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.6  | 18.8 28.2 |
| 265         | 21.8  | 17.4 26.2 |



#88  
 Benzo(b)fluoranthene  
 Concen: 3.30 ng  
 RT: 22.657 min Scan# 3361  
 Delta R.T. 0.006 min  
 Lab File: BP003326.D  
 Acq: 18 Sep 2020 17:41

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 154140     |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 27.5  | 17.6 26.4# |
| 125         | 13.5  | 7.3 10.9#  |





#89

Benzo(k)fluoranthene

Concen: 3.44 ng

RT: 22.657 min Scan# 3361

Delta R.T. -0.035 min

Lab File: BP003326.D

Acq: 18 Sep 2020 17:41

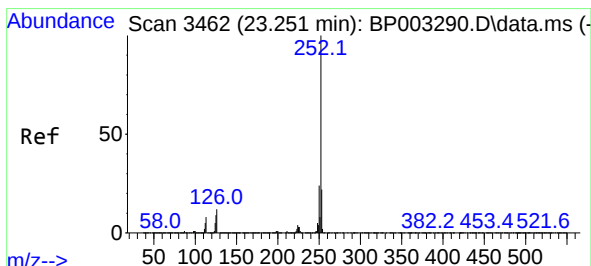
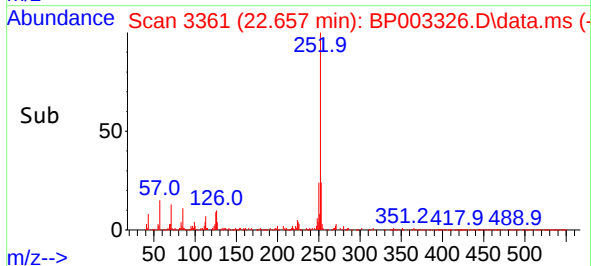
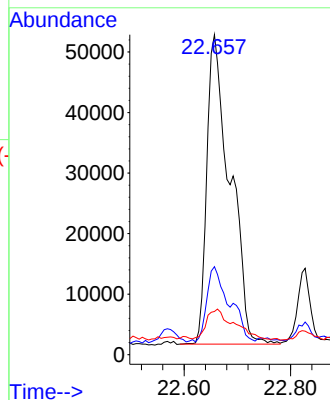
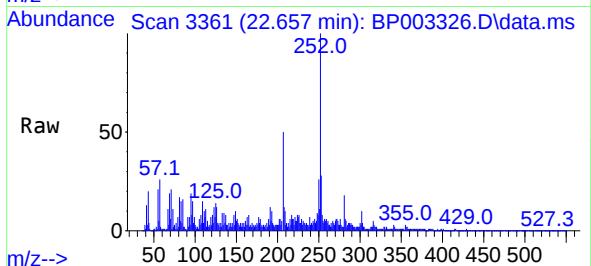
Instrument :

BNA\_P

ClientSampleId :

PAV-B33-091720-0-10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 154140     |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 27.5  | 17.8 26.8# |
| 125         | 13.5  | 7.4 11.2#  |



#90

Benzo(a)pyrene

Concen: 2.27 ng

RT: 23.221 min Scan# 3457

Delta R.T. -0.000 min

Lab File: BP003326.D

Acq: 18 Sep 2020 17:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 100031    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 25.6  | 17.4 26.0 |
| 125         | 13.7  | 8.2 12.4# |

