

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041621\  
 Data File : BP005326.D  
 Acq On : 16 Apr 2021 19:22  
 Operator : CG/JU  
 Sample : M1966-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-110RR

Quant Time: Apr 17 00:43:23 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 16 11:02:58 2021  
 Response via : Initial Calibration

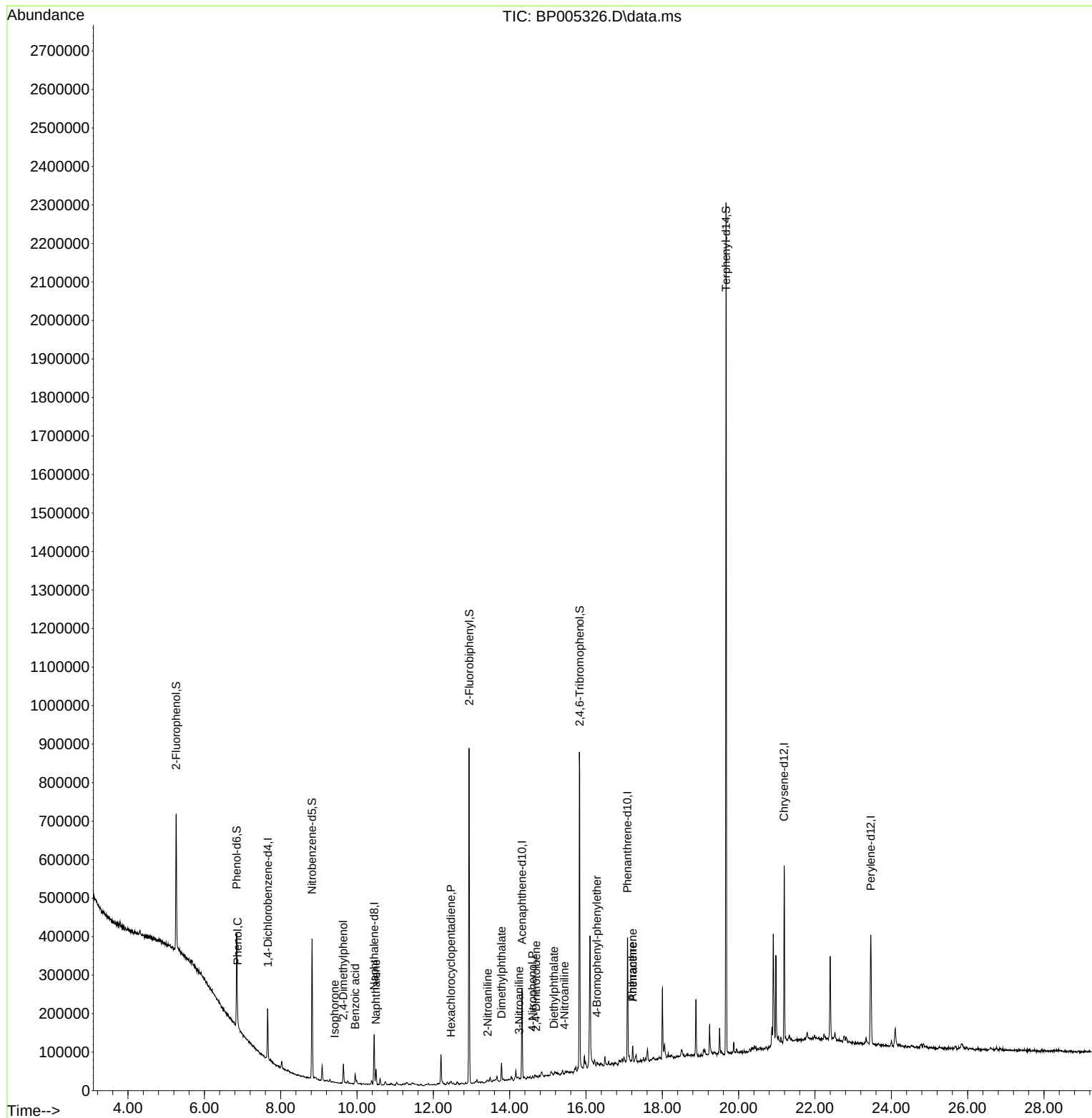
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.664  | 152  | 31950    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.452 | 136  | 89705    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.322 | 164  | 66324    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.087 | 188  | 179817   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.192 | 240  | 209000   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.463 | 264  | 206173   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.264  | 112  | 177658   | 67.80  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.846  | 99   | 131240   | 43.31  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.822  | 82   | 198482   | 68.33  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.834 | 330  | 142033   | 161.10 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.940 | 172  | 390173   | 78.14  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.669 | 244  | 926040   | 87.52  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 6.869  | 94   | 7399     | 2.43   | ng    | 86       |
| 25) Isophorone                | 9.411  | 82   | 346      | 2.68   | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 9.640  | 122  | 13093    | 10.71  | ng    | 90       |
| 31) Naphthalene               | 10.499 | 128  | 27108    | 5.21   | ng    | # 93     |
| 32) Benzoic acid              | 9.952  | 122  | 7954     | 10.99  | ng    | # 5      |
| 41) Hexachlorocyclopentadiene | 12.463 | 237  | 6        | 7.80   | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.428 | 65   | 470      | 4.38   | ng    | # 38     |
| 50) Dimethylphthalate         | 13.787 | 163  | 24486    | 5.63   | ng    | 98       |
| 53) 3-Nitroaniline            | 14.251 | 138  | 252      | 3.34   | ng    | # 17     |
| 56) 4-Nitrophenol             | 14.598 | 139  | 194      | 6.20   | ng    | # 72     |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 81       | 3.46   | ng    | # 1      |
| 60) Diethylphthalate          | 15.163 | 149  | 1030     | 4.33   | ng    | # 71     |
| 62) 4-Nitroaniline            | 15.434 | 138  | 104      | 4.02   | ng    | 94       |
| 67) 4-Bromophenyl-phenylether | 16.287 | 248  | 48       | 3.47   | ng    | # 1      |
| 71) Phenanthrene              | 17.222 | 178  | 21925    | 2.04   | ng    | 96       |
| 72) Anthracene                | 17.222 | 178  | 21925    | 2.20   | ng    | 95       |
| -----                         |        |      |          |        |       |          |

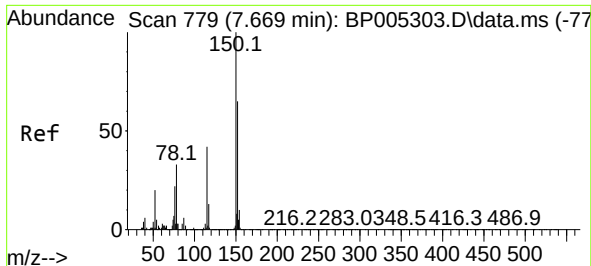
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041621\  
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Instrument :  
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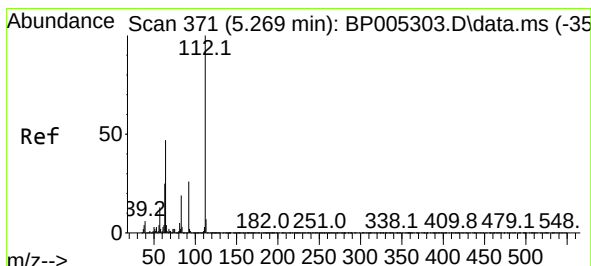
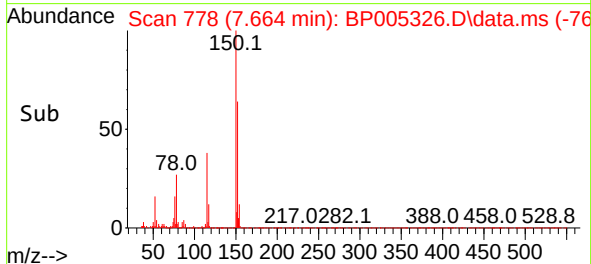
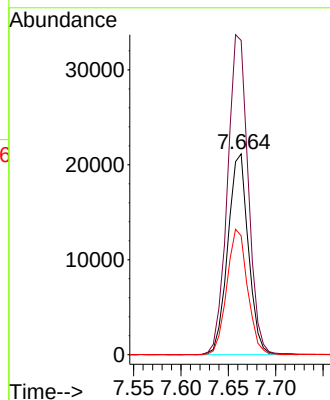
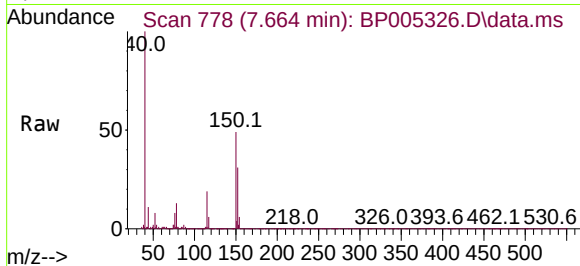




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.664 min Scan# 778  
Delta R.T. 0.001 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

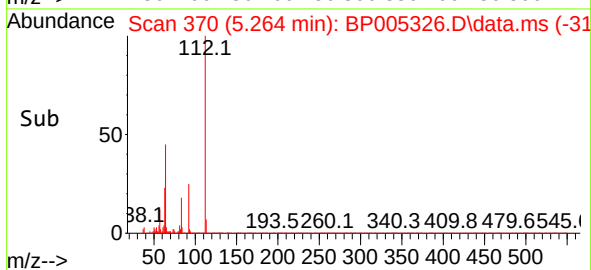
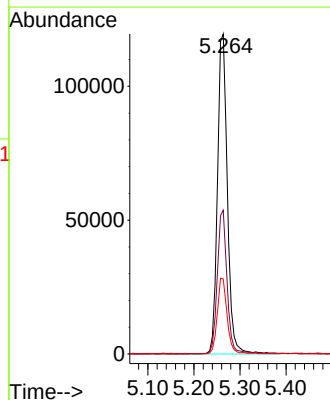
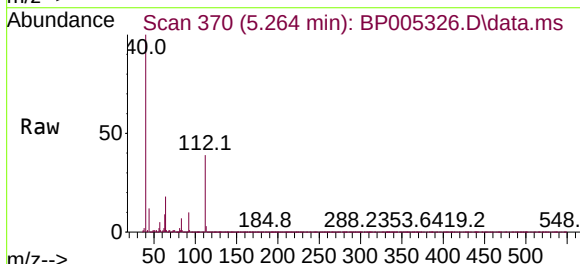
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

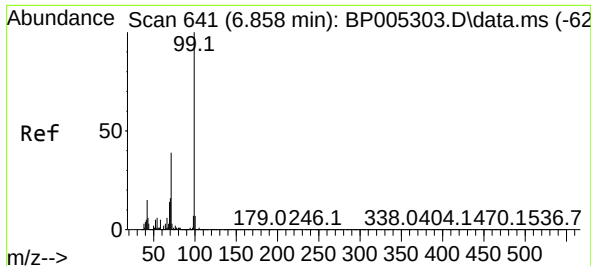
Tgt Ion:152 Resp: 31950  
Ion Ratio Lower Upper  
152 100  
150 156.5 122.9 184.3  
115 59.2 52.2 78.2



#5  
2-Fluorophenol  
Concen: 67.80 ng  
RT: 5.264 min Scan# 370  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:112 Resp: 177658  
Ion Ratio Lower Upper  
112 100  
64 44.9 37.6 56.4  
63 23.4 20.4 30.6

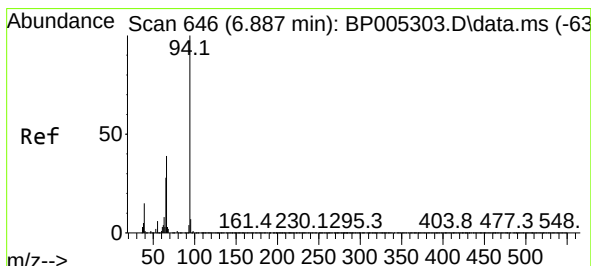
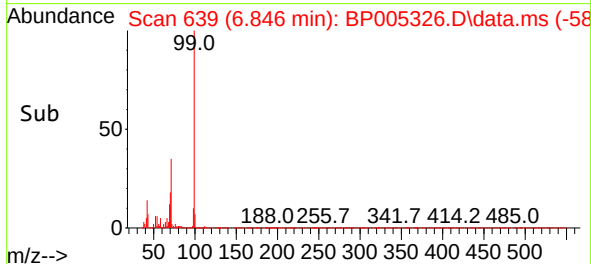
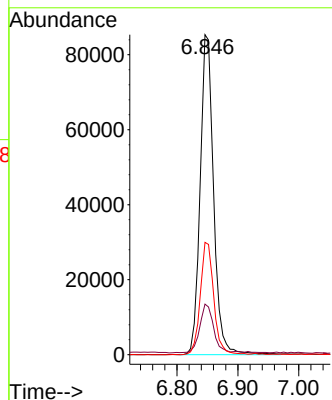
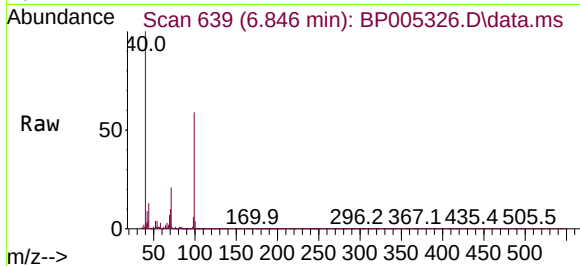




#7  
Phenol-d6  
Concen: 43.31 ng  
RT: 6.846 min Scan# 639  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

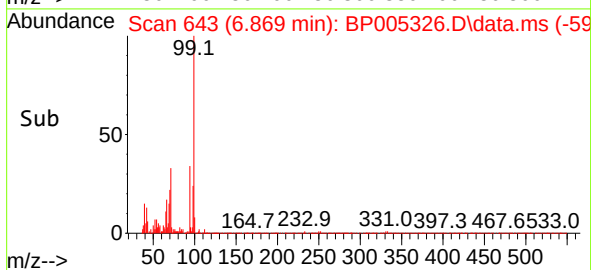
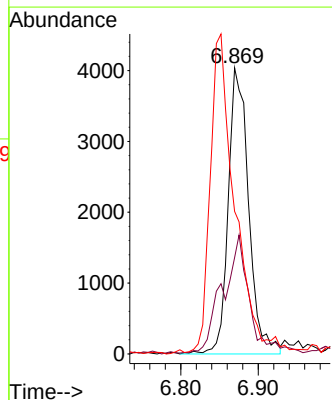
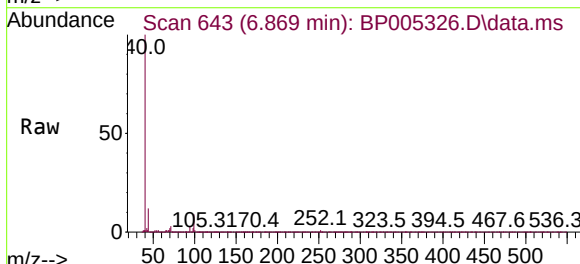
Instrument :  
BNA\_P  
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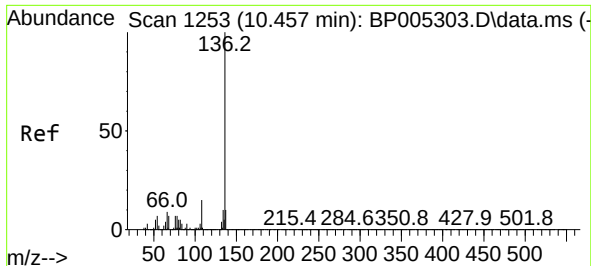
Tgt Ion: 99 Resp: 131240  
Ion Ratio Lower Upper  
99 100  
42 15.8 12.0 18.0  
71 35.1 31.4 47.2



#10  
Phenol  
Concen: 2.43 ng  
RT: 6.869 min Scan# 643  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion: 94 Resp: 7399  
Ion Ratio Lower Upper  
94 100  
65 33.7 8.3 48.3  
66 49.8 19.4 59.4

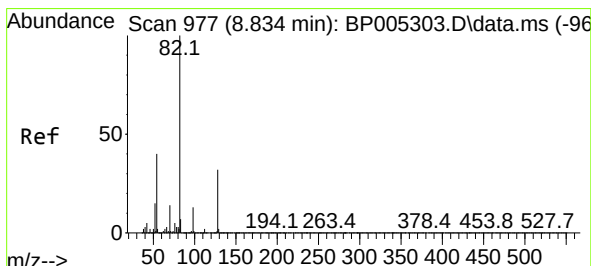
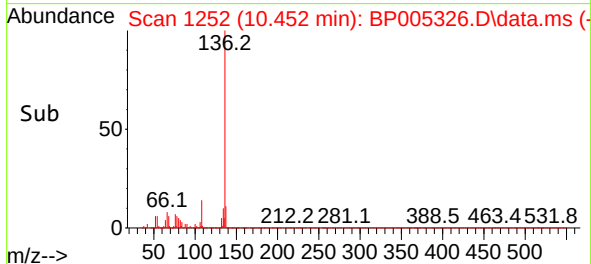
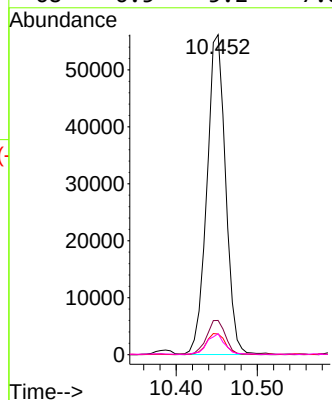
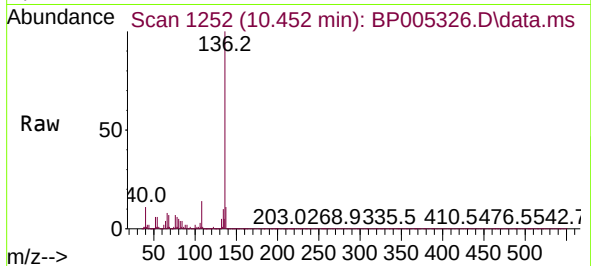




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.452 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

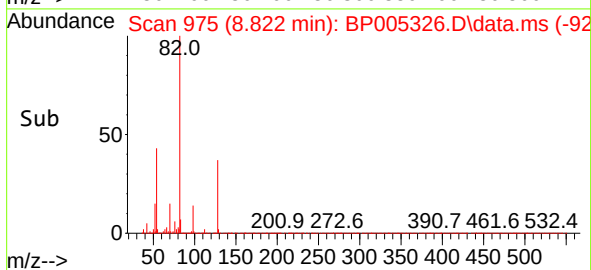
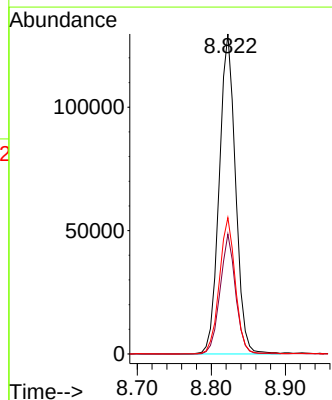
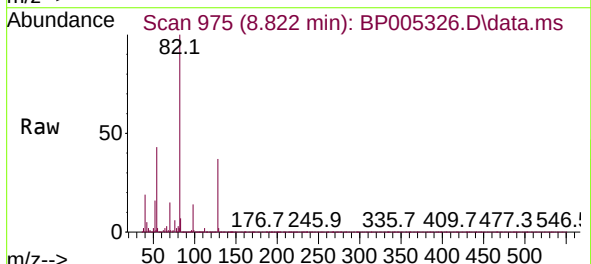
Instrument :  
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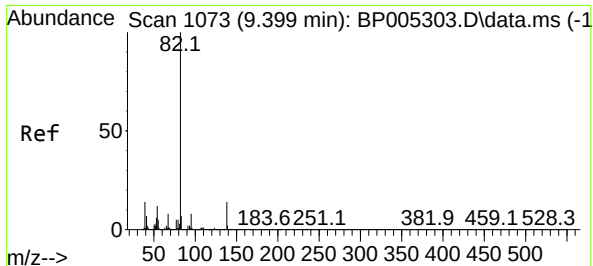
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 89705 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.7  | 8.4   | 12.6  |
| 54        | 6.4   | 5.8   | 8.8   |
| 68        | 6.5   | 5.2   | 7.8   |



#23  
Nitrobenzene-d5  
Concen: 68.33 ng  
RT: 8.822 min Scan# 975  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 198482 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.5  | 25.3  | 37.9   |
| 54        | 42.6  | 31.7  | 47.5   |

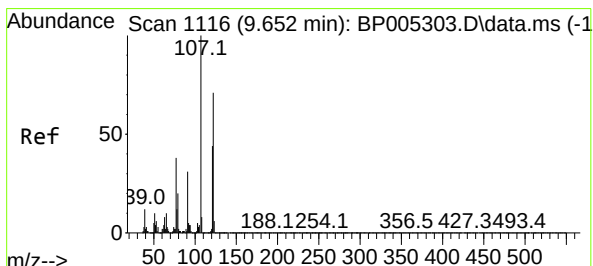
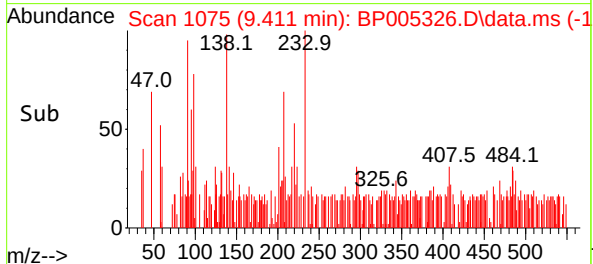
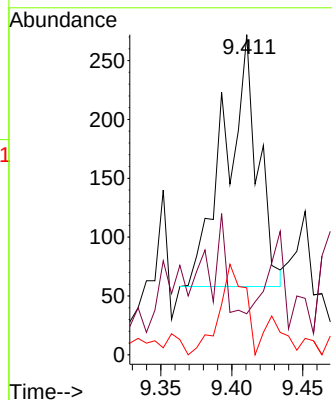
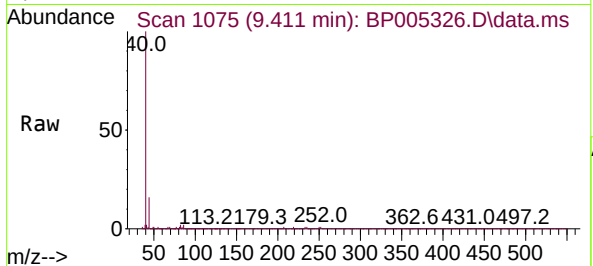




#25  
Isophorone  
Concen: 2.68 ng  
RT: 9.411 min Scan# 1075  
Delta R.T. 0.018 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

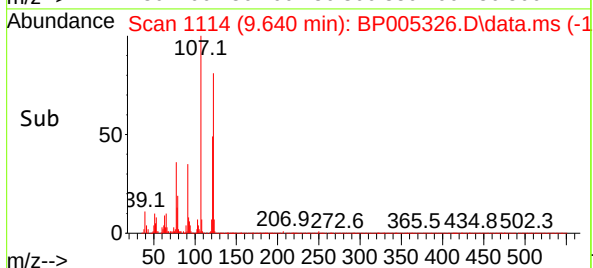
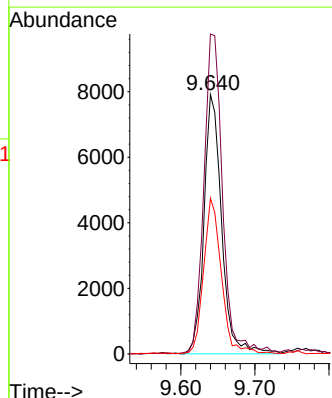
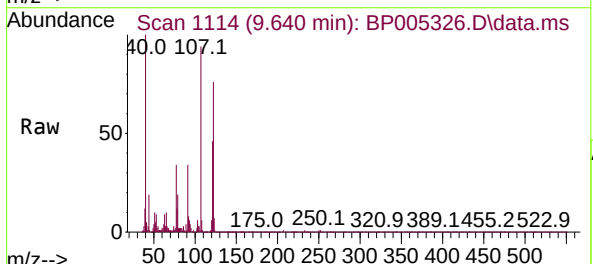
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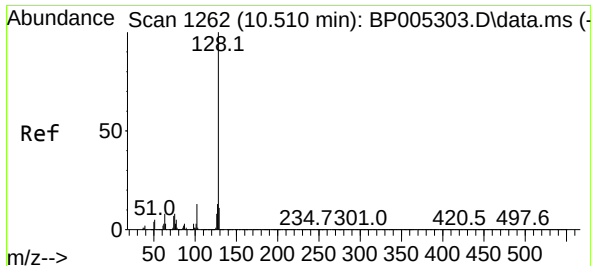
Tgt Ion: 82 Resp: 346  
Ion Ratio Lower Upper  
82 100  
95 12.9 6.6 10.0#  
138 21.0 11.0 16.6#



#27  
2,4-Dimethylphenol  
Concen: 10.71 ng  
RT: 9.640 min Scan# 1114  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion: 122 Resp: 13093  
Ion Ratio Lower Upper  
122 100  
107 123.4 111.9 167.9  
121 60.0 49.9 74.9

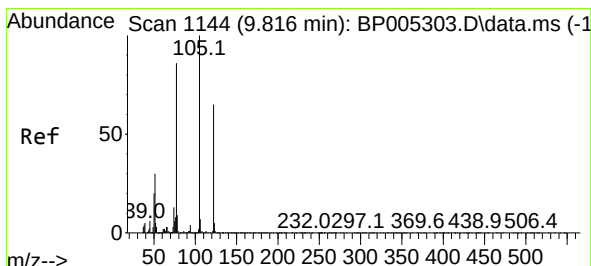
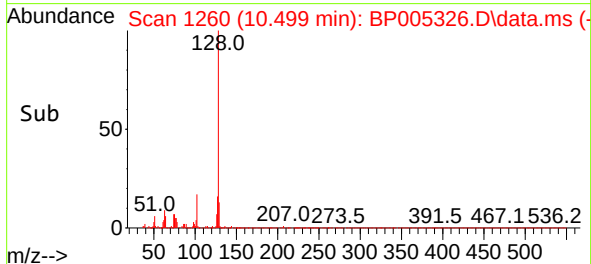
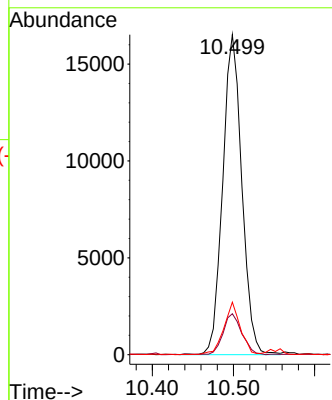
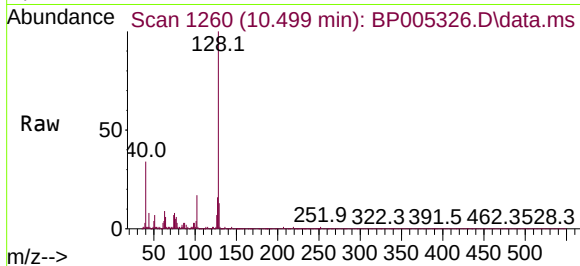




#31  
Naphthalene  
Concen: 5.21 ng  
RT: 10.499 min Scan# 1260  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

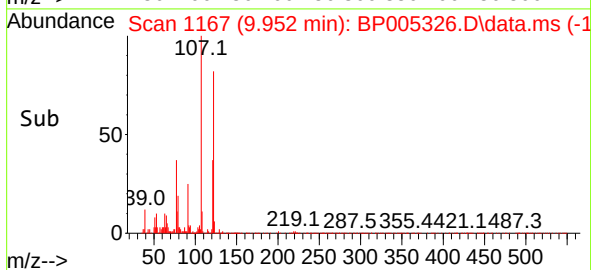
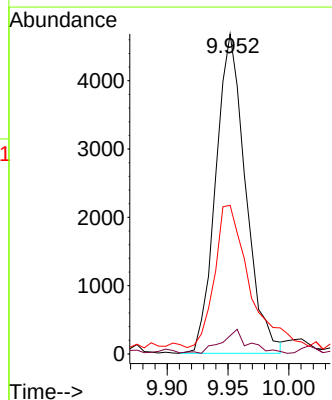
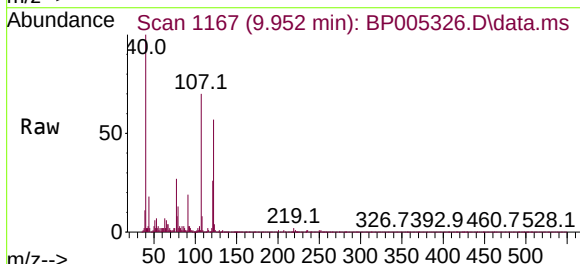
Instrument :  
BNA\_P  
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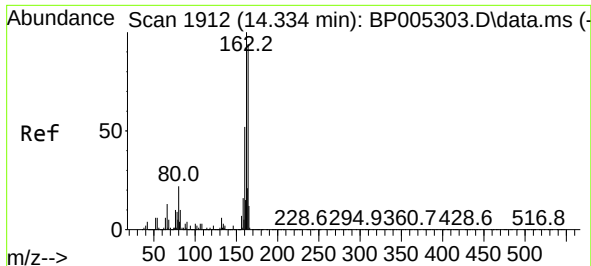
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| Tgt Ion:  | 128   | Resp: | 27108 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.8  | 8.6   | 13.0  |
| 127       | 16.4  | 10.3  | 15.5# |



#32  
Benzoic acid  
Concen: 10.99 ng  
RT: 9.952 min Scan# 1167  
Delta R.T. 0.147 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 7954   |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 5.7   | 133.2 | 173.2# |
| 77        | 46.4  | 112.8 | 152.8# |

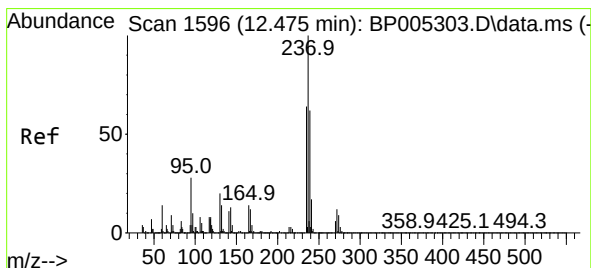
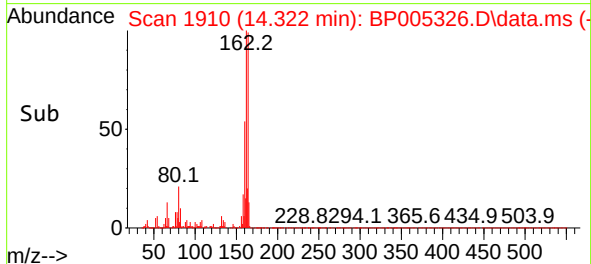
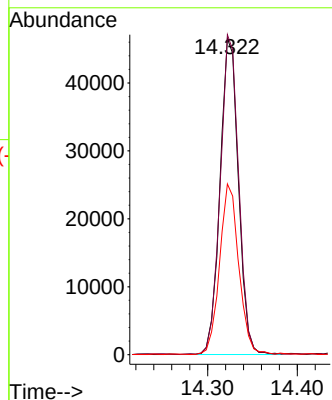
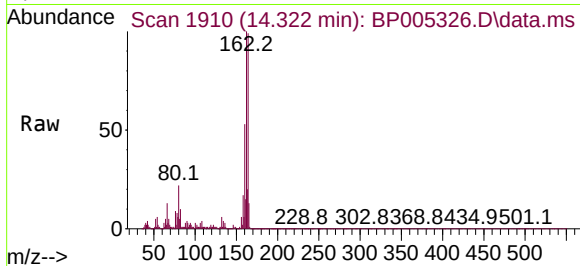




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.322 min Scan# 1910  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

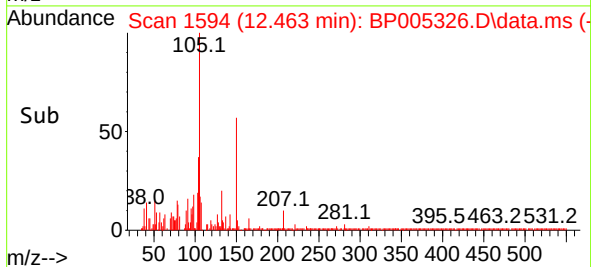
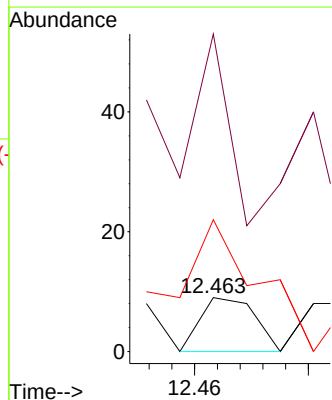
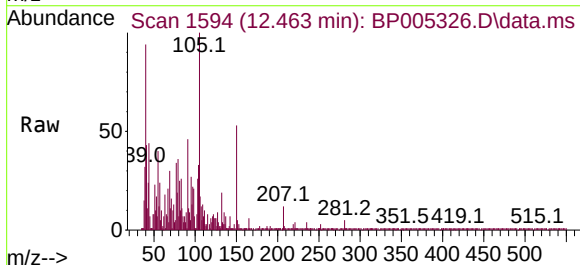
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 66324 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 101.2 | 84.8  | 127.2 |
| 160      | 54.0  | 44.2  | 66.4  |

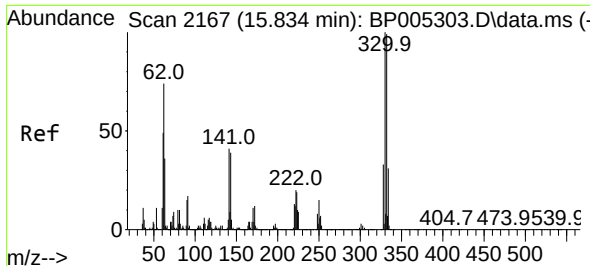


#41  
Hexachlorocyclopentadiene  
Concen: 7.80 ng  
RT: 12.463 min Scan# 1594  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 6     |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 588.9 | 44.0  | 84.0# |
| 272      | 244.4 | 0.0   | 31.7# |



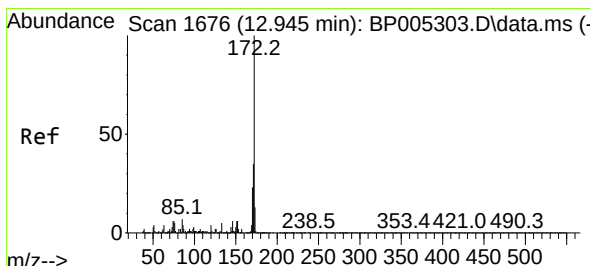
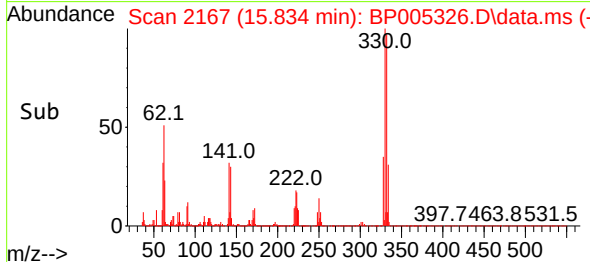
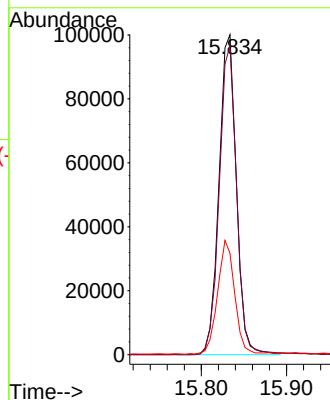
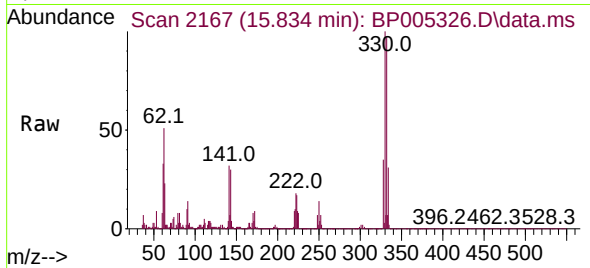




#42  
2,4,6-Tribromophenol  
Concen: 161.10 ng  
RT: 15.834 min Scan# 2167  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

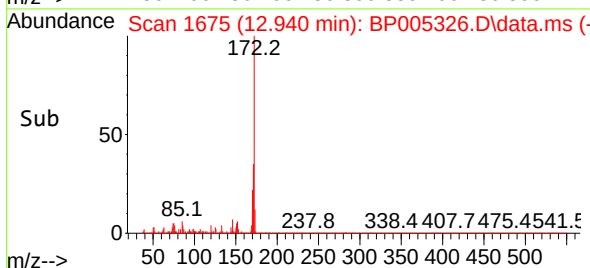
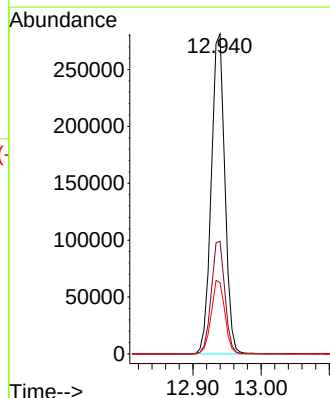
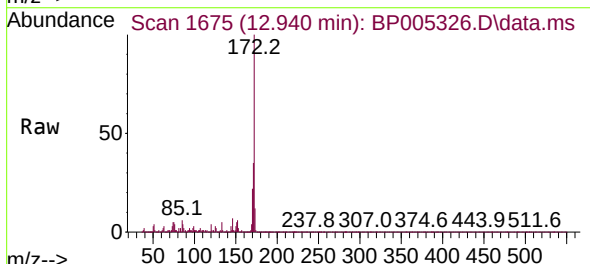
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

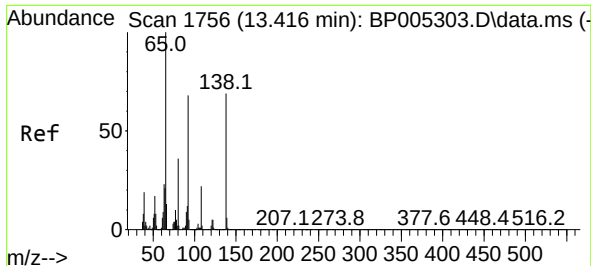
Tgt Ion:330 Resp: 142033  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.6 118.0  
141 35.3 31.6 47.4



#45  
2-Fluorobiphenyl  
Concen: 78.14 ng  
RT: 12.940 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:172 Resp: 390173  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.8 41.8  
170 22.3 18.7 28.1

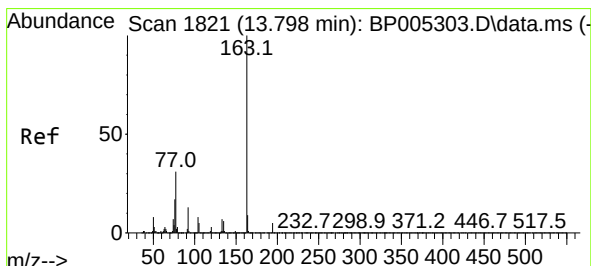
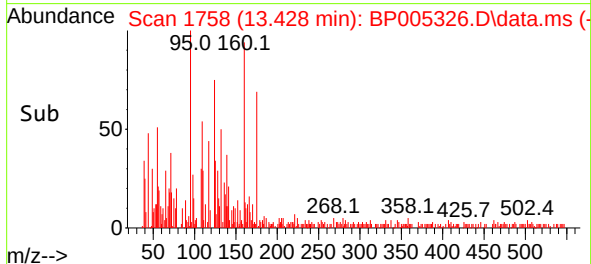
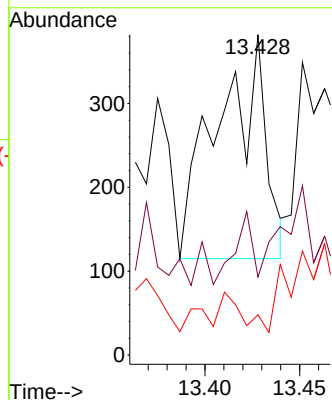
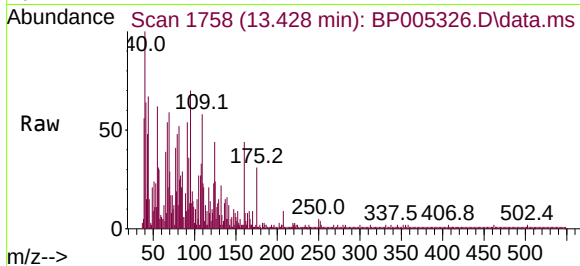




#48  
2-Nitroaniline  
Concen: 4.38 ng  
RT: 13.428 min Scan# 1758  
Delta R.T. 0.018 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

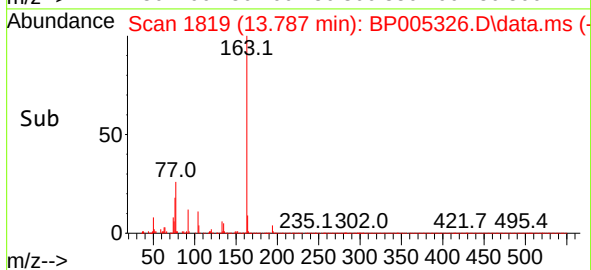
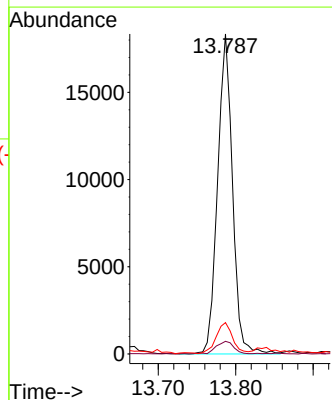
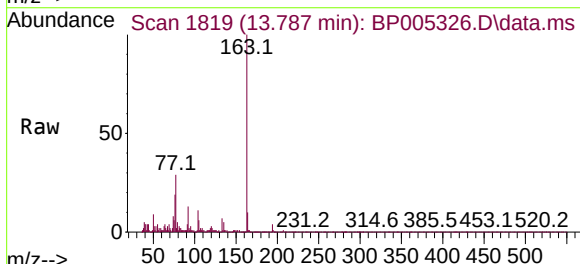
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

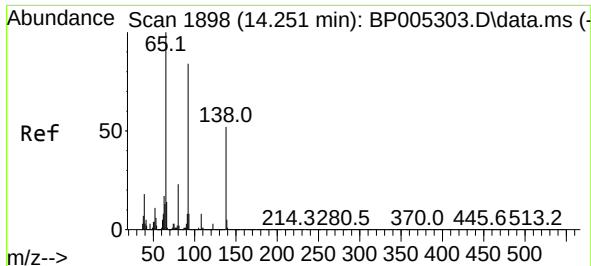
Tgt Ion: 65 Resp: 470  
Ion Ratio Lower Upper  
65 100  
92 24.3 54.6 82.0#  
138 12.6 55.4 83.0#



#50  
Dimethylphthalate  
Concen: 5.63 ng  
RT: 13.787 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion: 163 Resp: 24486  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.9 5.9  
164 9.8 7.2 10.8

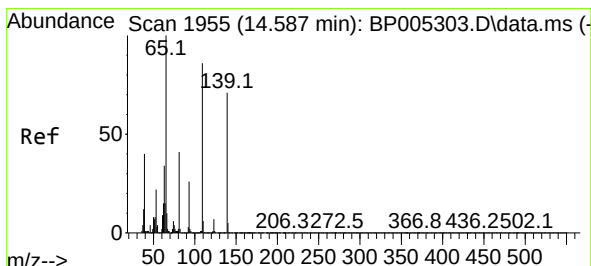
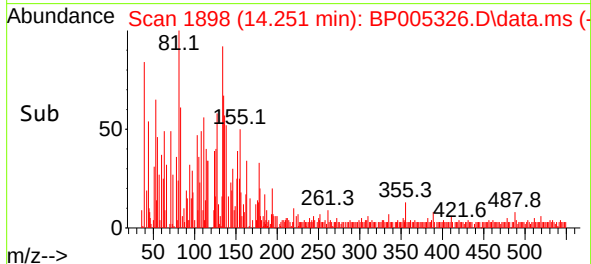
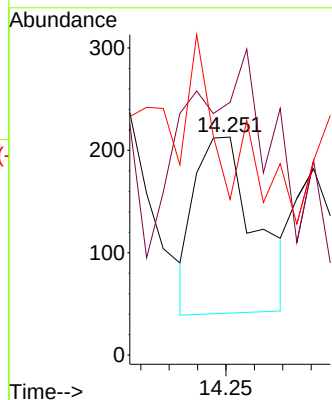
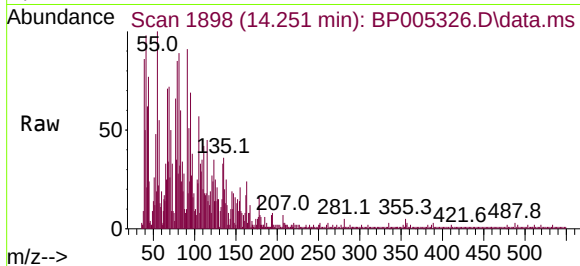




#53  
3-Nitroaniline  
Concen: 3.34 ng  
RT: 14.251 min Scan# 1898  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

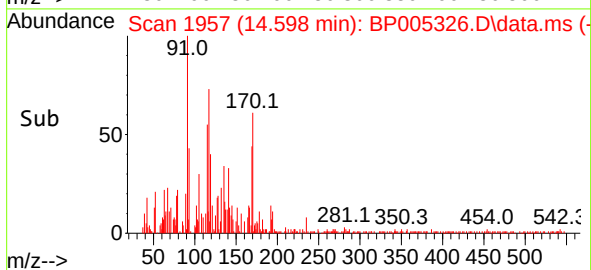
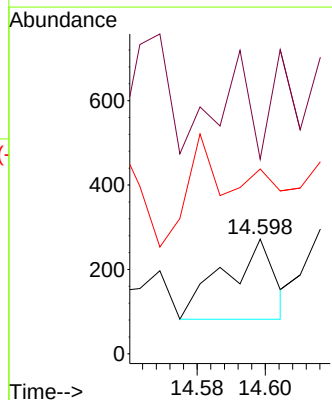
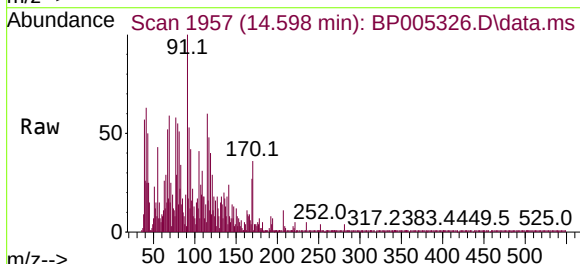
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

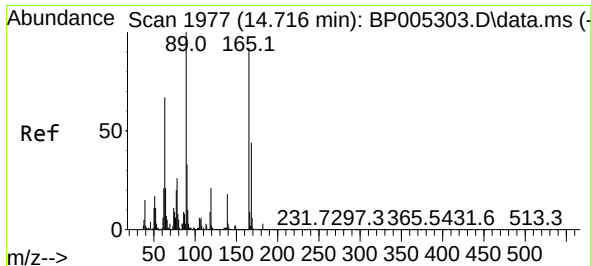
Tgt Ion:138 Resp: 252  
Ion Ratio Lower Upper  
138 100  
108 116.0 11.8 17.8#  
92 71.4 129.0 193.4#



#56  
4-Nitrophenol  
Concen: 6.20 ng  
RT: 14.598 min Scan# 1957  
Delta R.T. 0.018 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:139 Resp: 194  
Ion Ratio Lower Upper  
139 100  
109 169.5 101.8 141.8#  
65 161.0 121.3 161.3

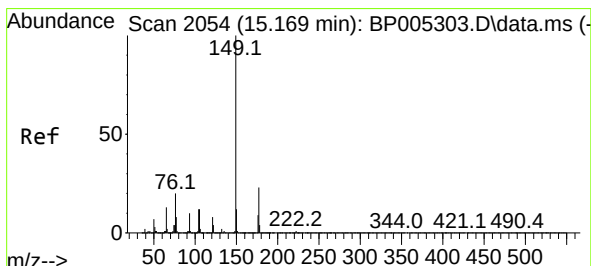
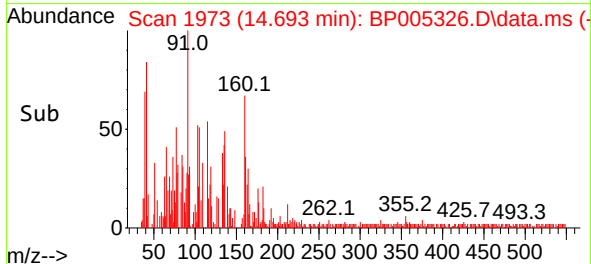
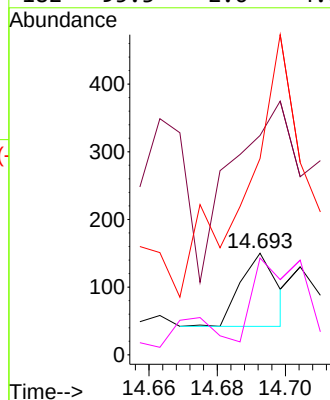
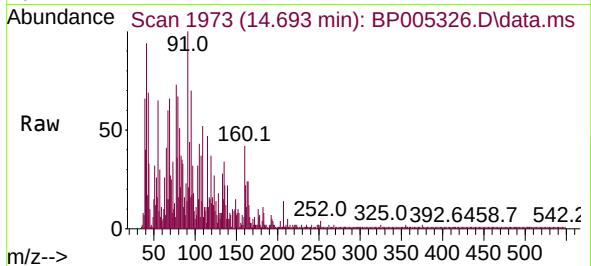




#57  
2,4-Dinitrotoluene  
Concen: 3.46 ng  
RT: 14.693 min Scan# 1973  
Delta R.T. -0.023 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

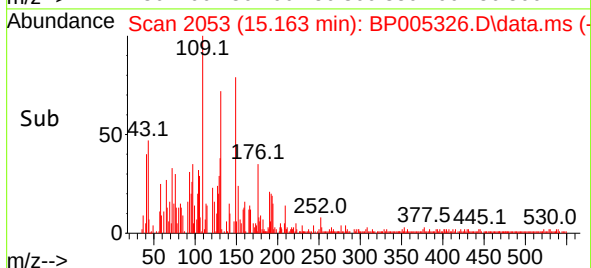
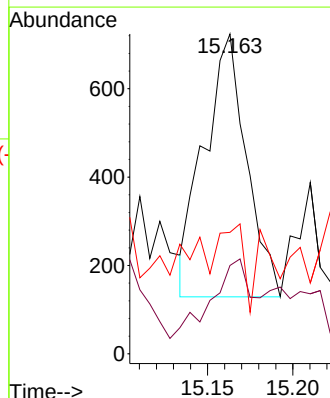
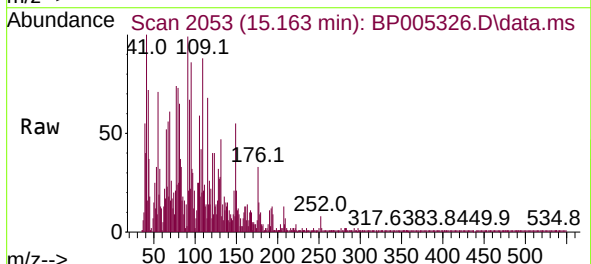
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

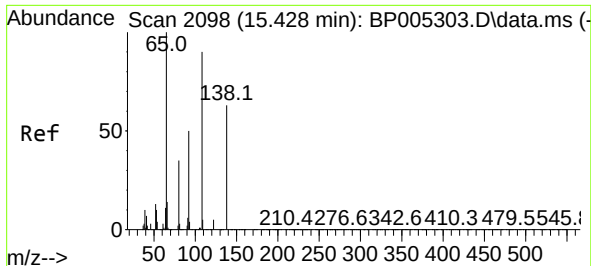
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 81     |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 216.0 | 58.3  | 87.5#  |
| 89       | 193.3 | 87.0  | 130.4# |
| 182      | 95.3  | 2.6   | 4.0#   |



#60  
Diethylphthalate  
Concen: 4.33 ng  
RT: 15.163 min Scan# 2053  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 1030  |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 177      | 27.6  | 18.6  | 27.8  |
| 150      | 38.0  | 9.8   | 14.8# |

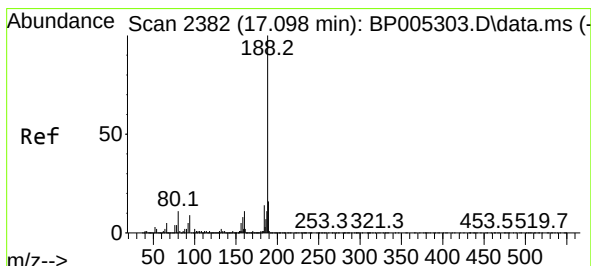
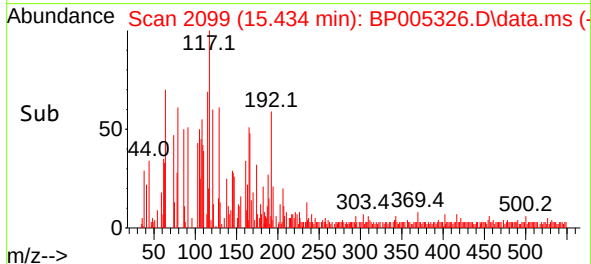
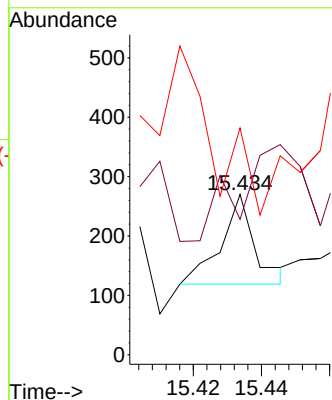
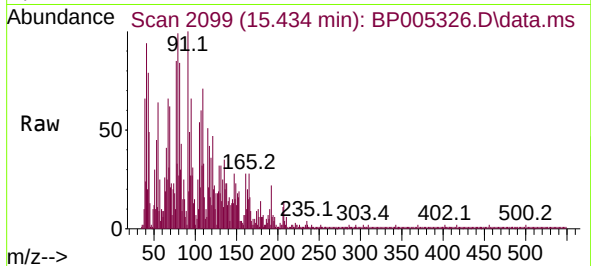




#62  
4-Nitroaniline  
Concen: 4.02 ng  
RT: 15.434 min Scan# 2099  
Delta R.T. 0.012 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

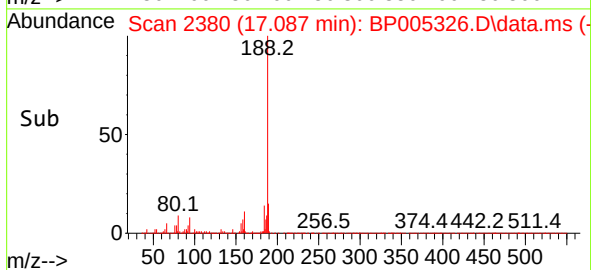
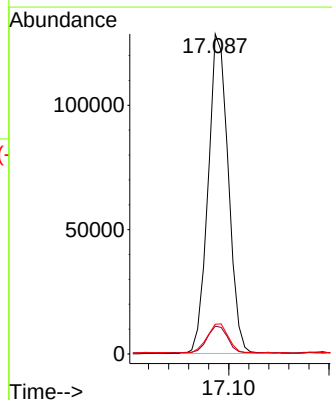
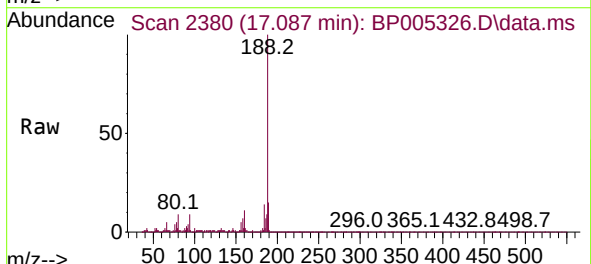
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

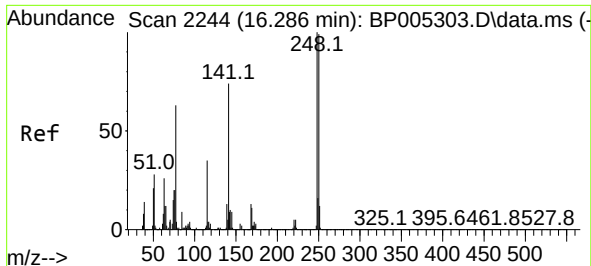
Tgt Ion:138 Resp: 104  
Ion Ratio Lower Upper  
138 100  
92 84.4 57.0 97.0  
108 141.5 115.8 155.8



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.087 min Scan# 2380  
Delta R.T. -0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:188 Resp: 179817  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.0 10.6  
80 9.3 8.4 12.6

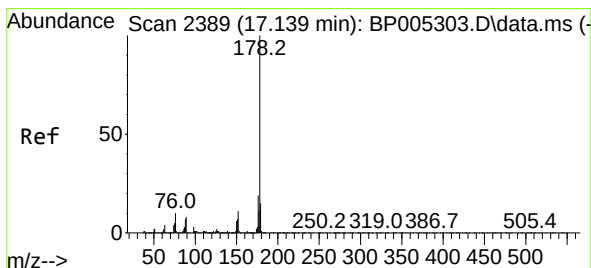
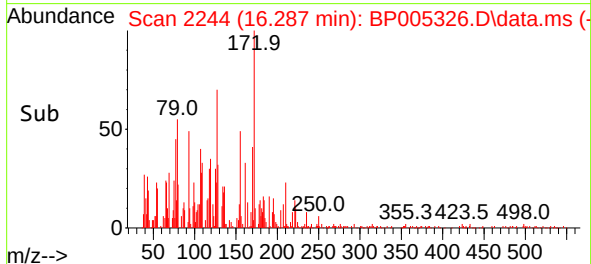
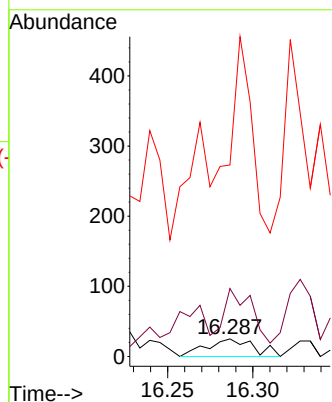
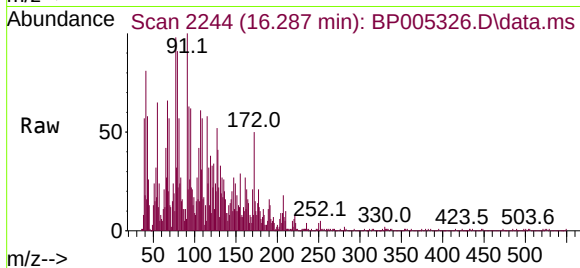




#67  
4-Bromophenyl-phenylether  
Concen: 3.47 ng  
RT: 16.287 min Scan# 2244  
Delta R.T. 0.006 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

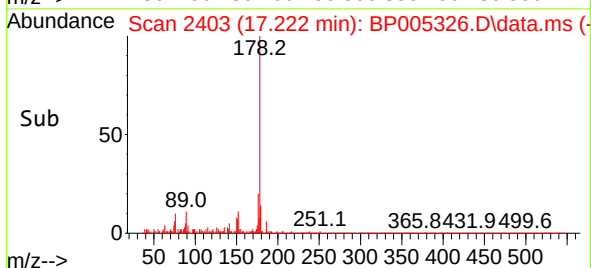
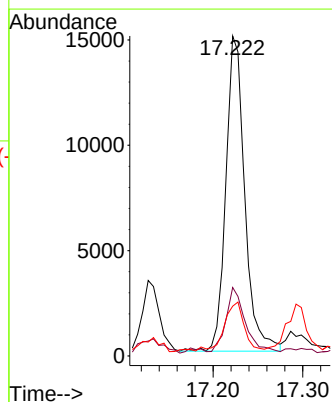
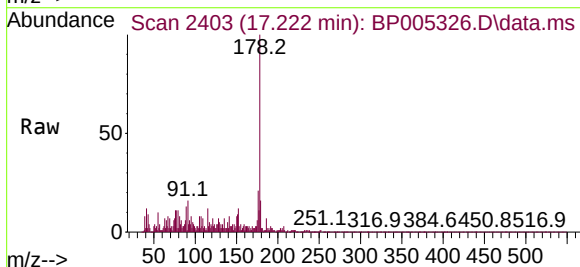
Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

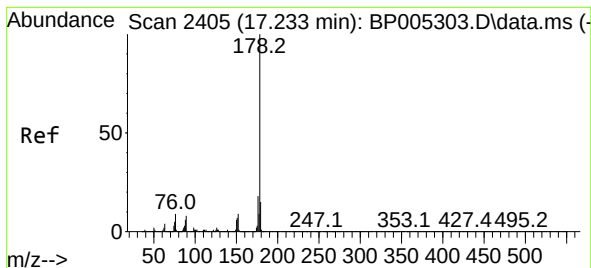
Tgt Ion:248 Resp: 48  
Ion Ratio Lower Upper  
248 100  
250 388.0 79.0 118.6#  
141 1092.0 59.0 88.4#



#71  
Phenanthrene  
Concen: 2.04 ng  
RT: 17.222 min Scan# 2403  
Delta R.T. 0.088 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:178 Resp: 21925  
Ion Ratio Lower Upper  
178 100  
176 21.4 14.9 22.3  
179 15.5 11.8 17.6





#72

Anthracene

Concen: 2.20 ng

RT: 17.222 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BP005326.D

Acq: 16 Apr 2021 19:22

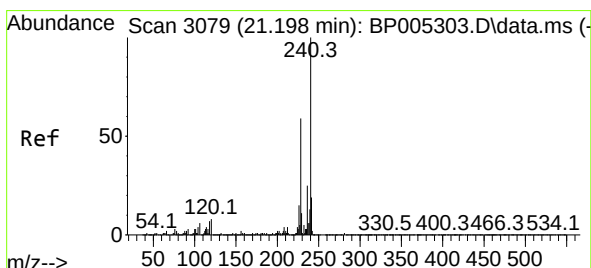
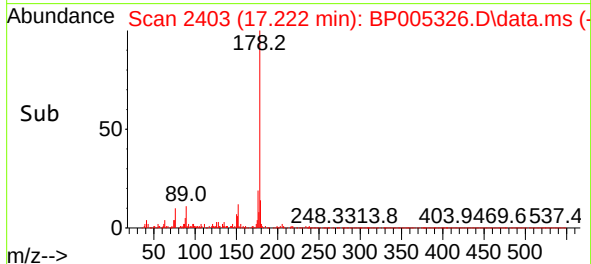
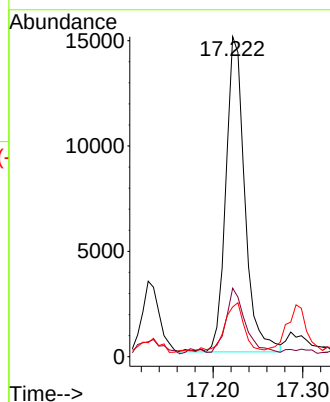
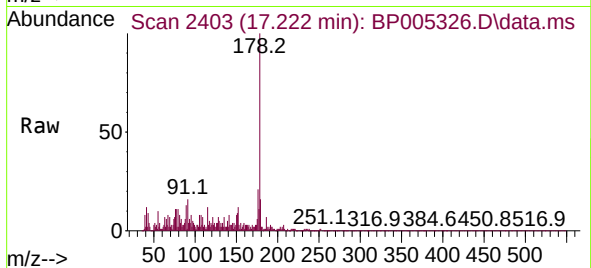
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 21925     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 21.4  | 14.3 21.5 |
| 179         | 15.5  | 12.0 18.0 |

Instrument :

BNA\_P

ClientSampleId :

MW-110RR



#76

Chrysene-d12

Concen: 20.00 ng

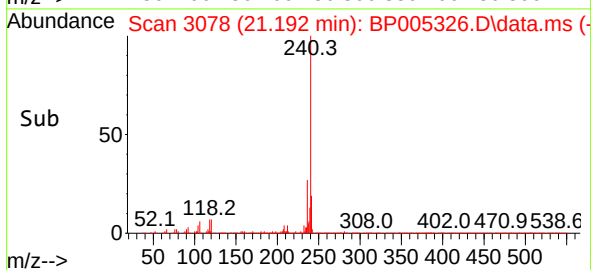
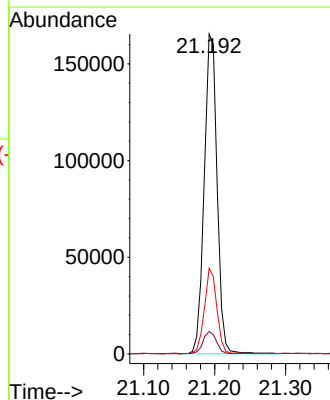
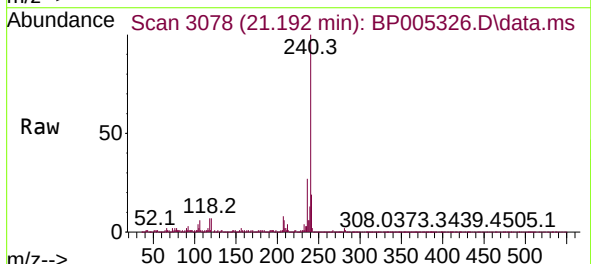
RT: 21.192 min Scan# 3078

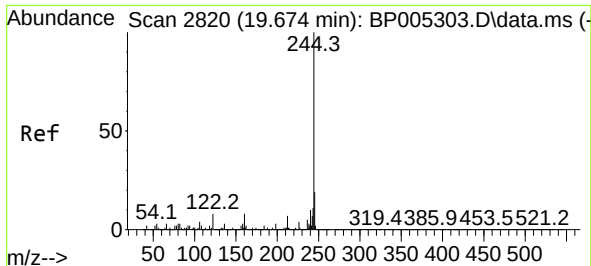
Delta R.T. -0.006 min

Lab File: BP005326.D

Acq: 16 Apr 2021 19:22

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 209000    |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 7.0   | 6.5 9.7   |
| 236         | 26.7  | 19.8 29.6 |

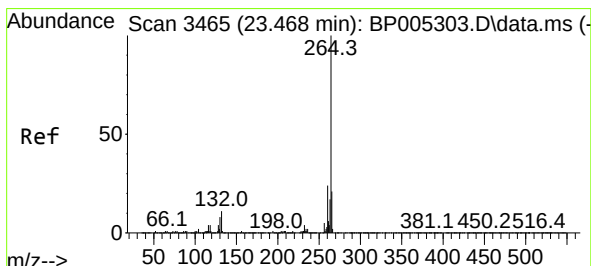
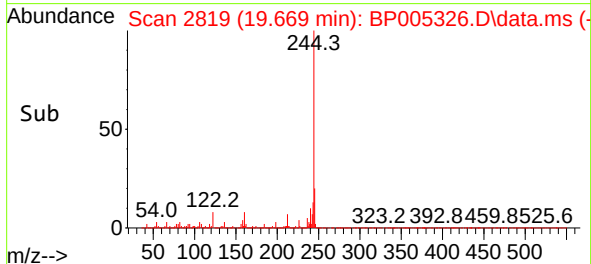
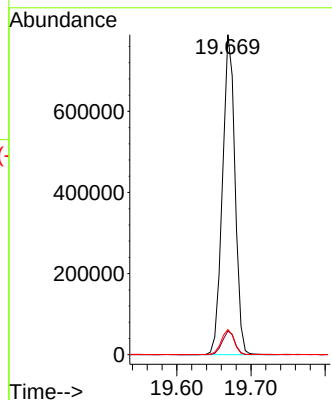
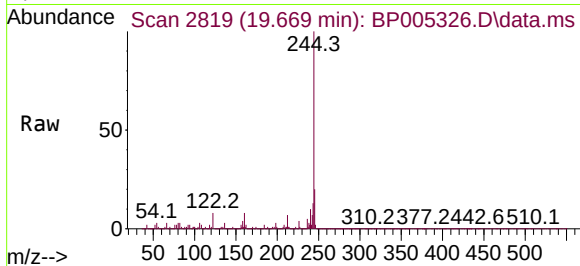




#79  
Terphenyl-d14  
Concen: 87.52 ng  
RT: 19.669 min Scan# 2819  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Instrument :  
BNA\_P  
ClientSampleId :  
MW-110RR

Tgt Ion:244 Resp: 926040  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.6  
122 7.8 6.7 10.1



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.463 min Scan# 3464  
Delta R.T. 0.000 min  
Lab File: BP005326.D  
Acq: 16 Apr 2021 19:22

Tgt Ion:264 Resp: 206173  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.0 28.6  
265 22.8 17.0 25.6

