

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021921\  
 Data File : BP004828.D  
 Acq On : 19 Feb 2021 18:30  
 Operator : CG/JU  
 Sample : M1441-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-234-A

Quant Time: Feb 19 23:52:59 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 12:04:44 2021  
 Response via : Initial Calibration

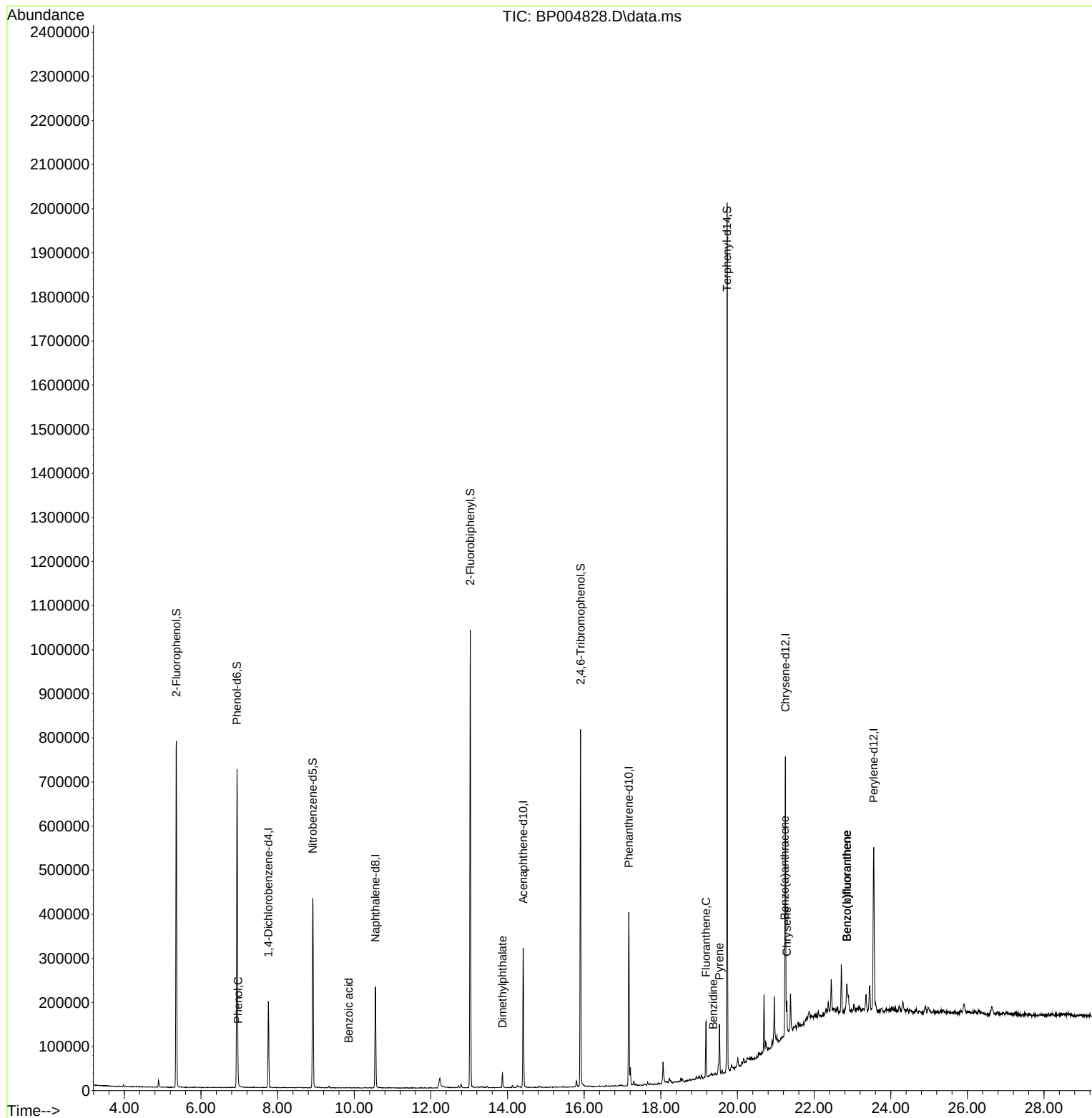
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.758  | 152  | 48910    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8          | 10.551 | 136  | 185126   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.410 | 164  | 105692   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.163 | 188  | 225617   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.251 | 240  | 267820   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.557 | 264  | 276997   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.358  | 112  | 318866   | 100.66 | ng    | 0.00     |
| 7) Phenol-d6                | 6.940  | 99   | 390795   | 89.71  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.916  | 82   | 244705   | 57.59  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.904 | 330  | 133869   | 95.33  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.028 | 172  | 518630   | 59.98  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.727 | 244  | 807983   | 50.68  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.969  | 94   | 12231    | 2.90   | ng    | # 69     |
| 32) Benzoic acid            | 9.857  | 122  | 45       | 6.87   | ng    | # 87     |
| 50) Dimethylphthalate       | 13.869 | 163  | 20993    | 2.26   | ng    | # 97     |
| 75) Fluoranthene            | 19.180 | 202  | 72567    | 4.41   | ng    | 99       |
| 77) Benzidine               | 19.369 | 184  | 67       | 2.15   | ng    | # 1      |
| 78) Pyrene                  | 19.527 | 202  | 67657    | 3.58   | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.233 | 228  | 40754    | 2.15   | ng    | 99       |
| 83) Chrysene                | 21.286 | 228  | 38782    | 2.11   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 22.857 | 252  | 50676    | 2.50   | ng    | # 89     |
| 89) Benzo(k)fluoranthene    | 22.857 | 252  | 50676    | 2.60   | ng    | # 90     |
| -----                       |        |      |          |        |       |          |

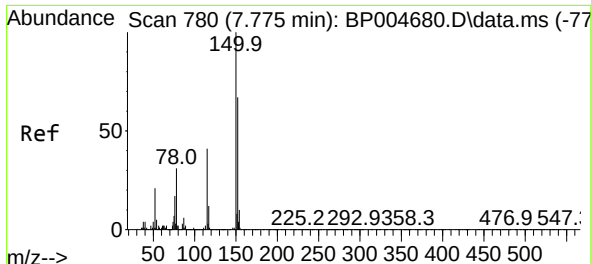
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021921\  
Data File : BP004828.D  
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Sample : M1441-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

Quant Time: Feb 19 23:52:59 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 19 12:04:44 2021  
Response via : Initial Calibration

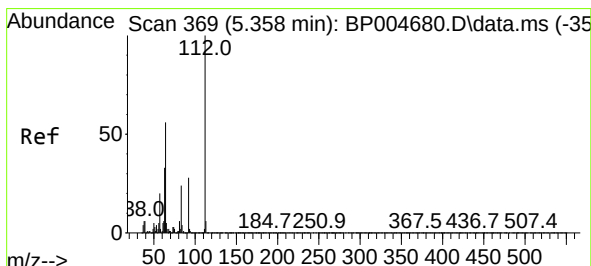
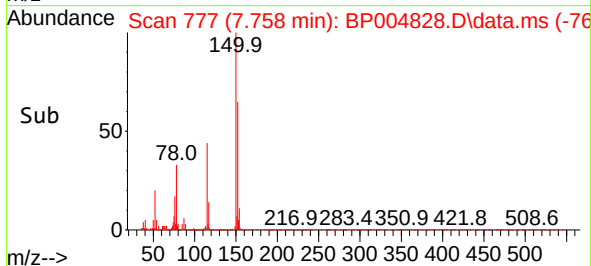
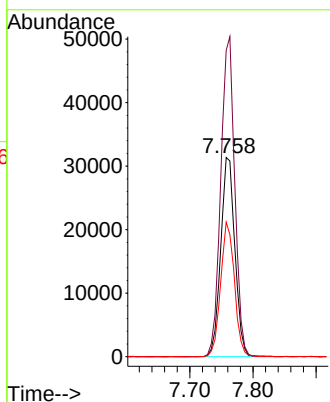
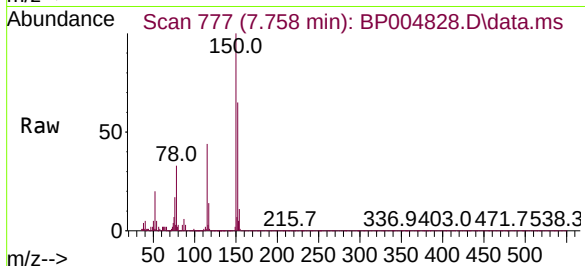




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.758 min Scan# 777  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

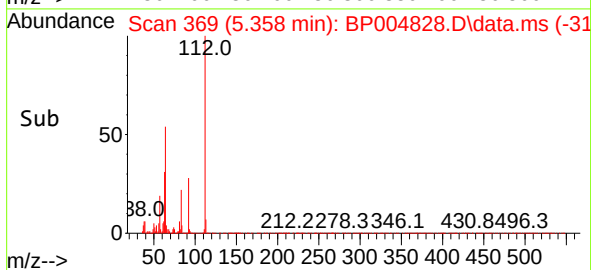
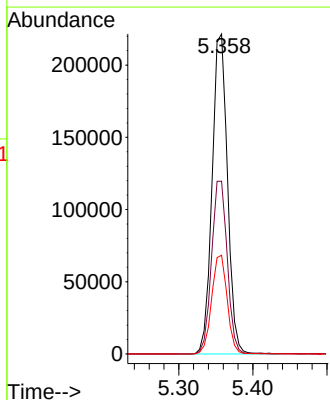
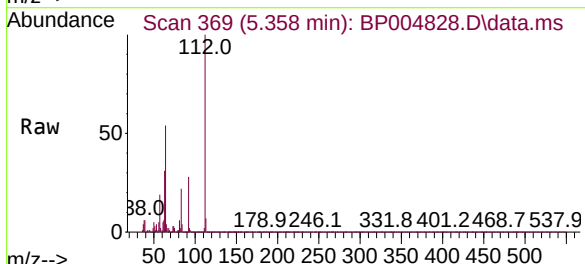
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BNA\_P  
ClientSampleId :  
SP-234-A

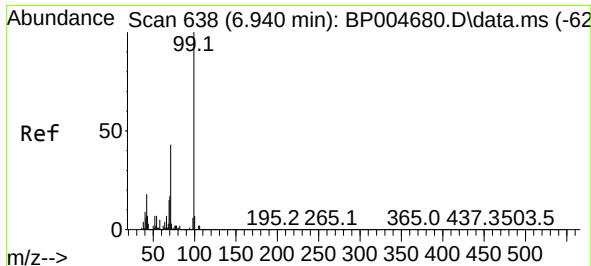
Tgt Ion:152 Resp: 48910  
Ion Ratio Lower Upper  
152 100  
150 153.8 123.8 185.6  
115 67.6 43.8 65.6#



#5  
2-Fluorophenol  
Concen: 100.66 ng  
RT: 5.358 min Scan# 369  
Delta R.T. 0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:112 Resp: 318866  
Ion Ratio Lower Upper  
112 100  
64 54.0 32.8 49.2#  
63 30.9 17.0 25.4#

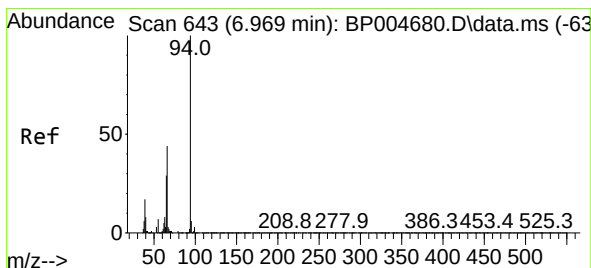
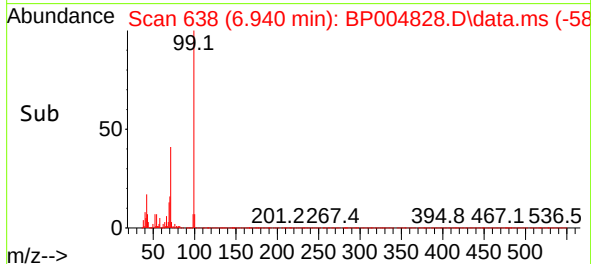
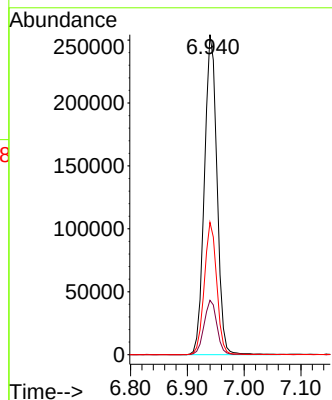
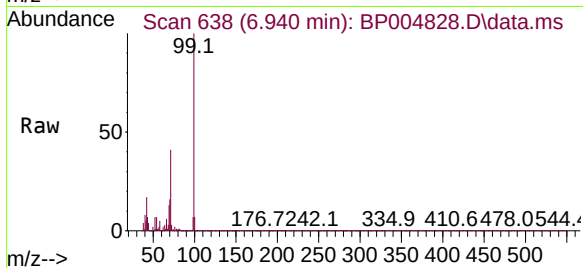




#7  
Phenol-d6  
Concen: 89.71 ng  
RT: 6.940 min Scan# 638  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

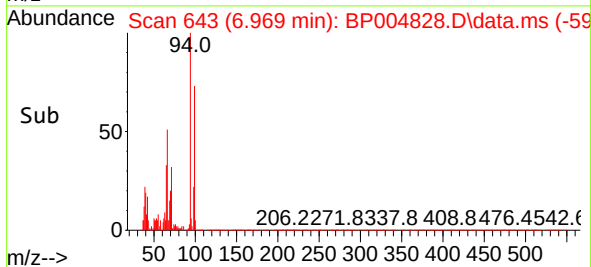
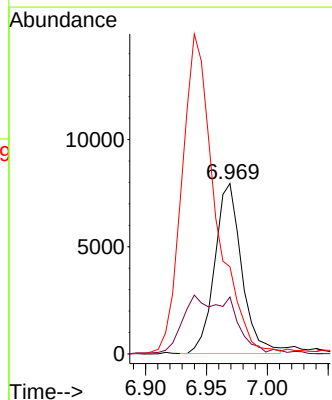
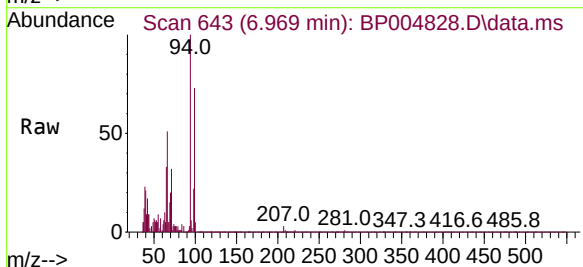
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

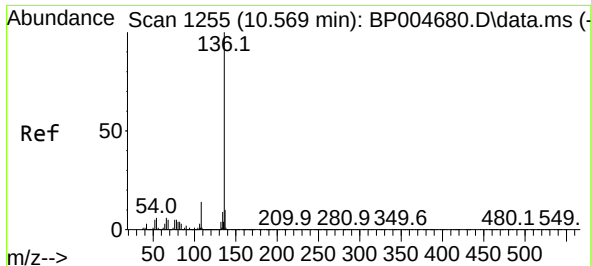
Tgt Ion: 99 Resp: 390795  
Ion Ratio Lower Upper  
99 100  
42 17.0 8.6 13.0#  
71 41.4 23.4 35.2#



#10  
Phenol  
Concen: 2.90 ng  
RT: 6.969 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion: 94 Resp: 12231  
Ion Ratio Lower Upper  
94 100  
65 33.4 2.3 42.3  
66 51.2 10.9 50.9#

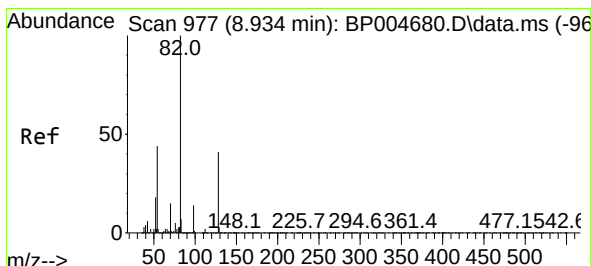
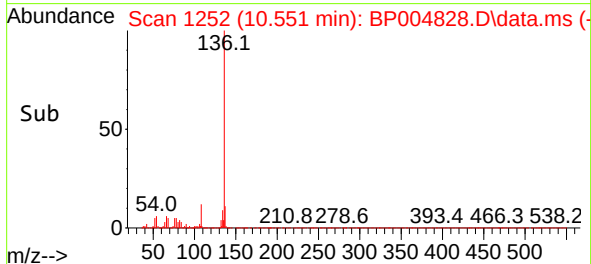
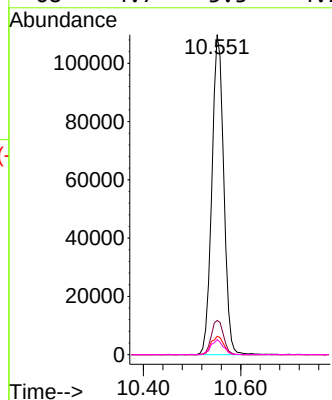
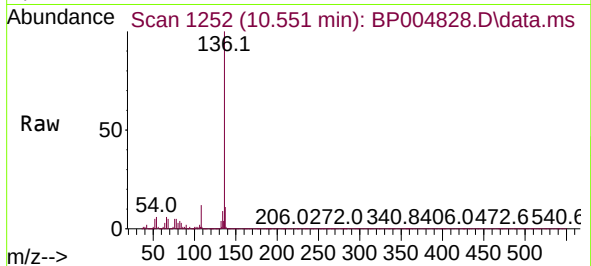




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.551 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

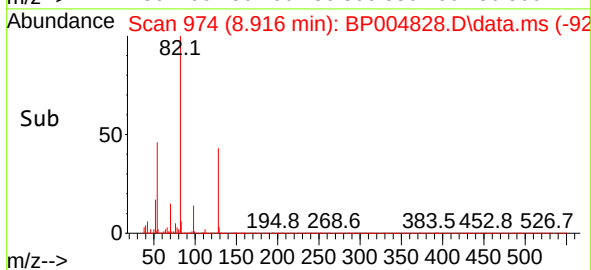
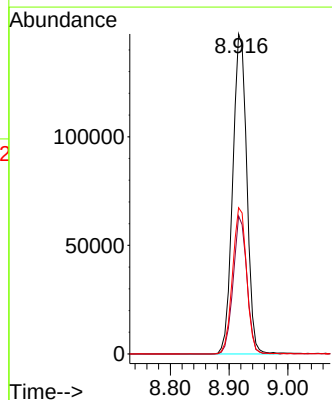
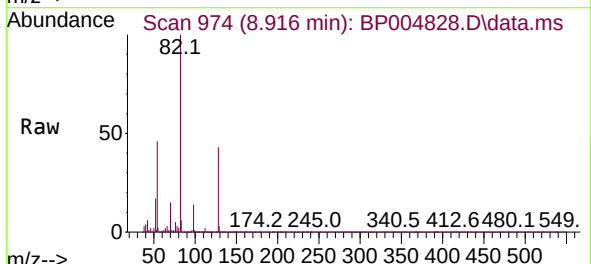
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

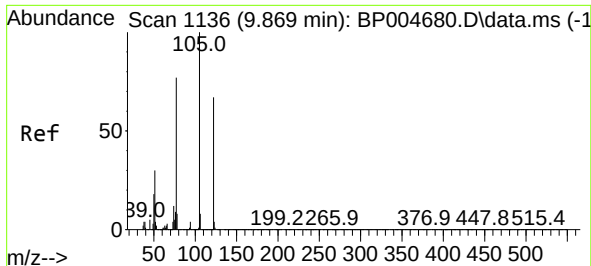
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 185126 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.6   | 13.0   |
| 54        | 5.8   | 3.6   | 5.4#   |
| 68        | 4.7   | 3.3   | 4.9    |



#23  
Nitrobenzene-d5  
Concen: 57.59 ng  
RT: 8.916 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 244705 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.1  | 45.6  | 68.4#  |
| 54        | 45.7  | 30.1  | 45.1#  |

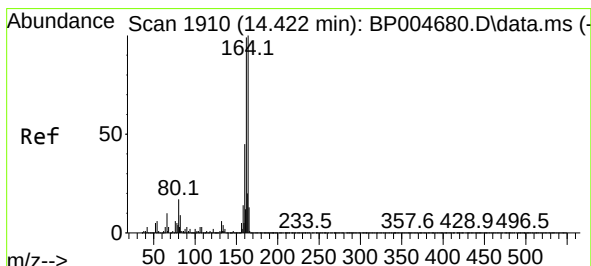
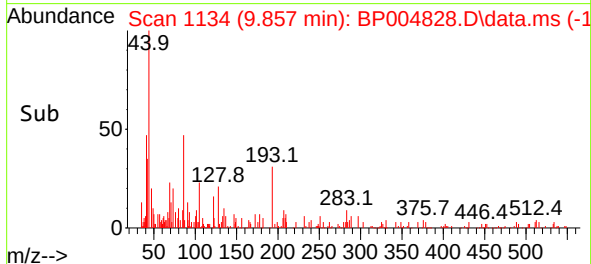
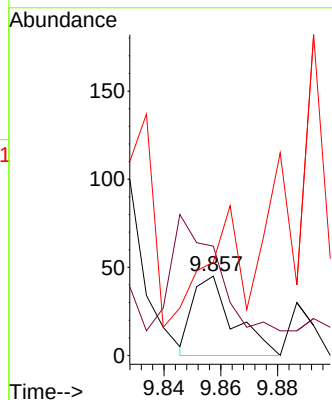
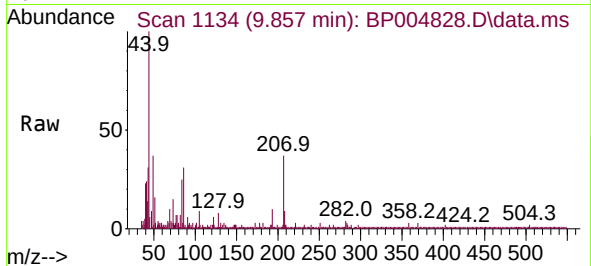




#32  
Benzoic acid  
Concen: 6.87 ng  
RT: 9.857 min Scan# 1134  
Delta R.T. -0.011 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

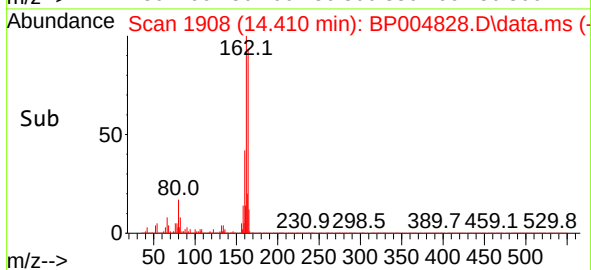
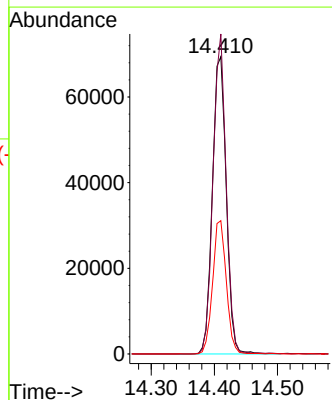
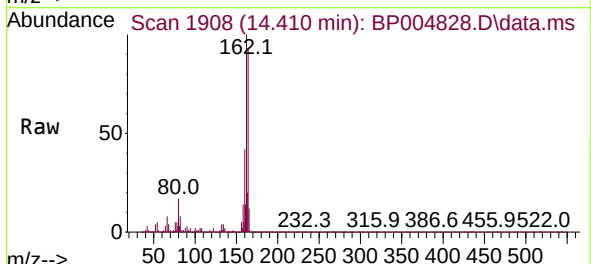
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ClientSampleId :  
SP-234-A

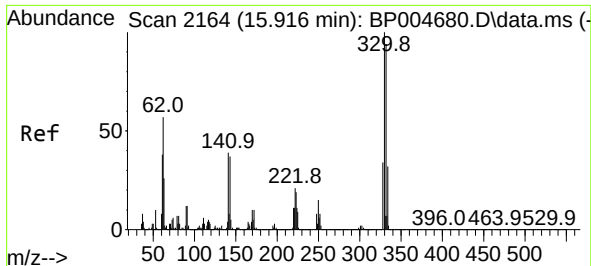
Tgt Ion:122 Resp: 45  
Ion Ratio Lower Upper  
122 100  
105 110.7 94.1 134.1  
77 94.6 50.1 90.1#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.410 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:164 Resp: 105692  
Ion Ratio Lower Upper  
164 100  
162 107.7 79.4 119.2  
160 44.8 36.1 54.1

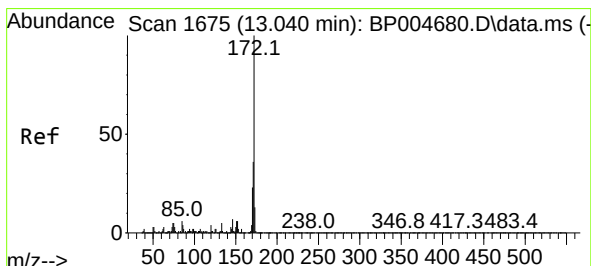
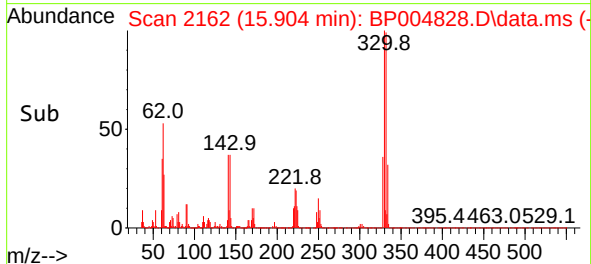
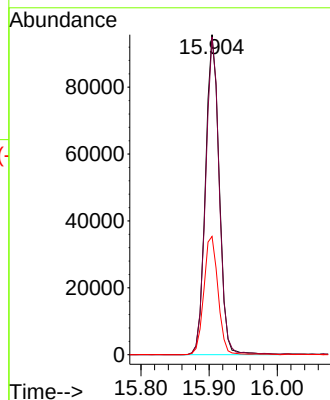
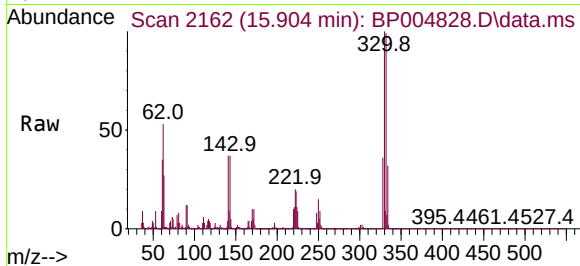




#42  
2,4,6-Tribromophenol  
Concen: 95.33 ng  
RT: 15.904 min Scan# 2162  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

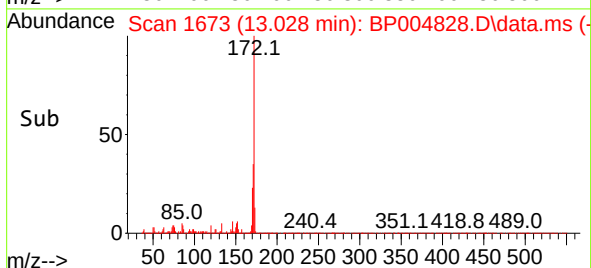
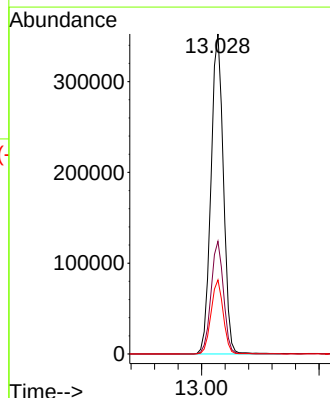
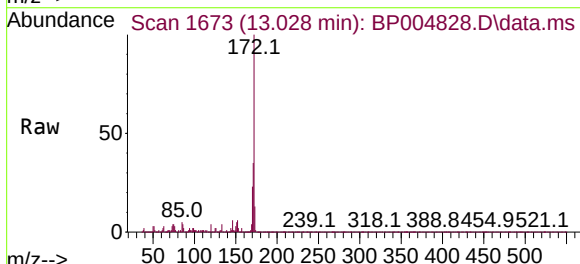
Instrument :  
BNA\_P  
ClientSampled :  
SP-234-A

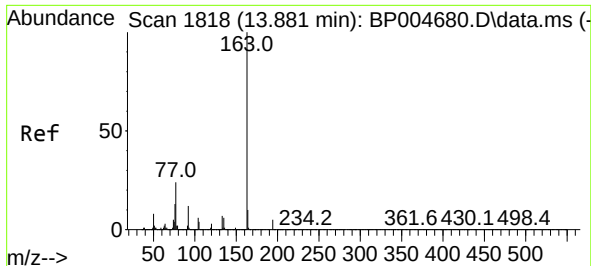
Tgt Ion:330 Resp: 133869  
Ion Ratio Lower Upper  
330 100  
332 98.5 77.1 115.7  
141 38.2 23.4 35.2#



#45  
2-Fluorobiphenyl  
Concen: 59.98 ng  
RT: 13.028 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:172 Resp: 518630  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.5 42.7  
170 23.2 19.2 28.8

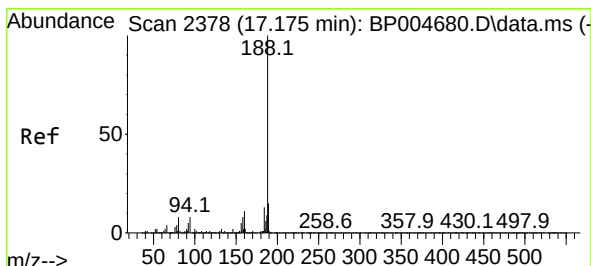
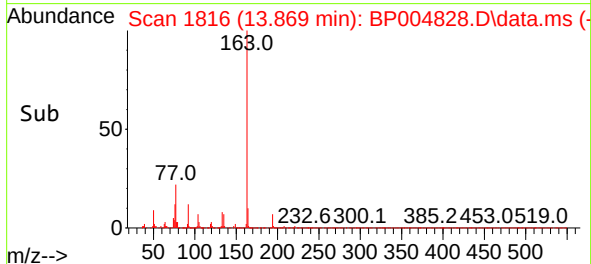
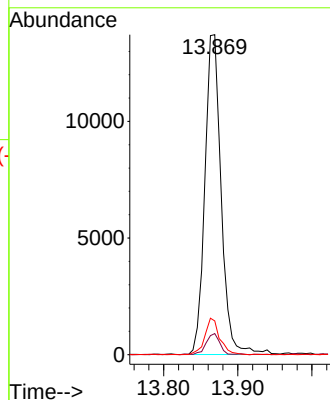
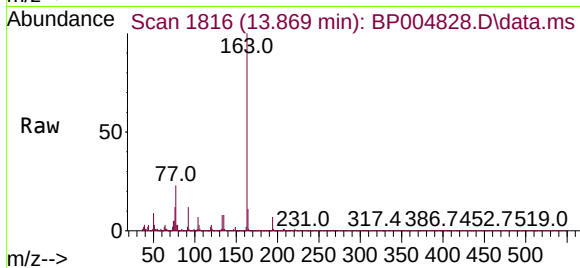




#50  
Dimethylphthalate  
Concen: 2.26 ng  
RT: 13.869 min Scan# 1816  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

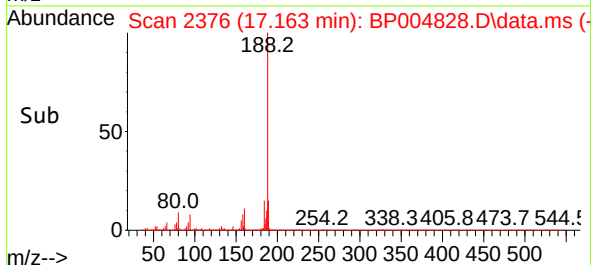
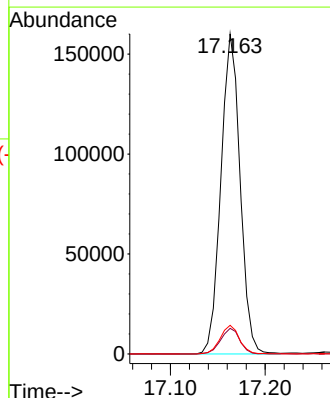
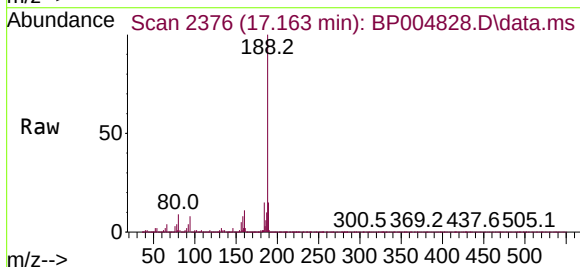
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

Tgt Ion:163 Resp: 20993  
Ion Ratio Lower Upper  
163 100  
194 6.6 3.3 4.9#  
164 10.6 8.2 12.2

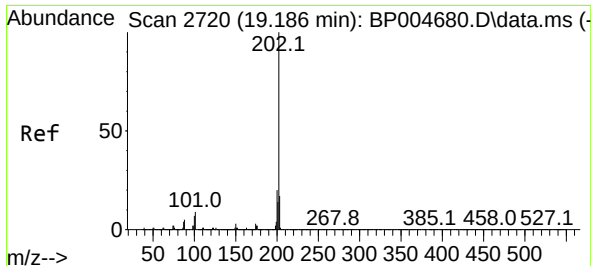


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.163 min Scan# 2376  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:188 Resp: 225617  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.2 9.2  
80 8.9 6.2 9.2



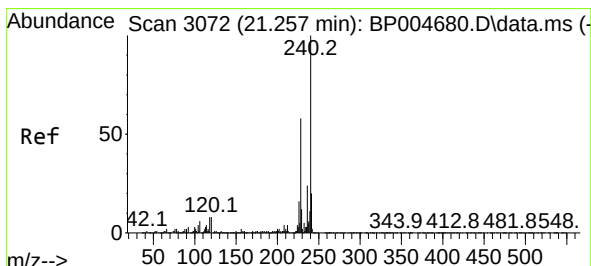
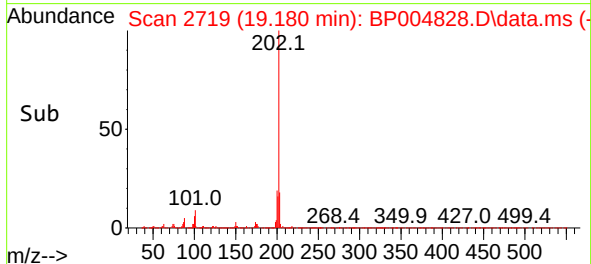
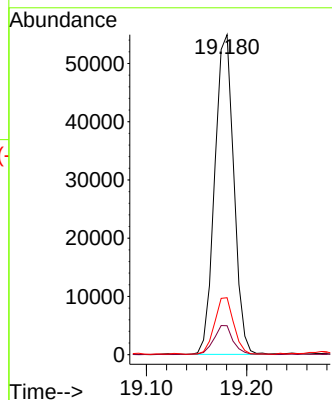
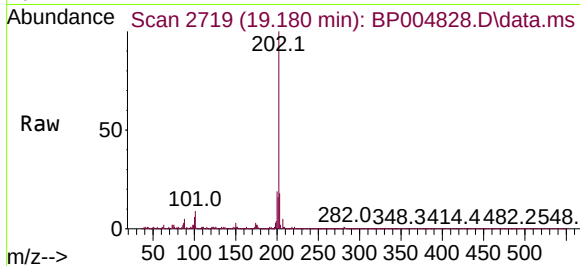




#75  
Fluoranthene  
Concen: 4.41 ng  
RT: 19.180 min Scan# 2719  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

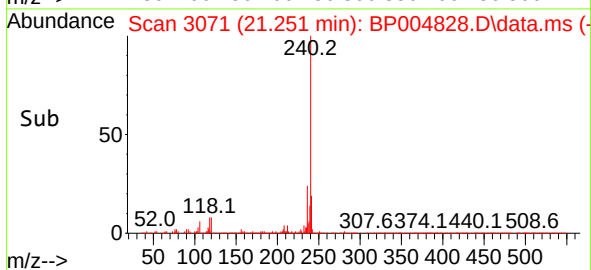
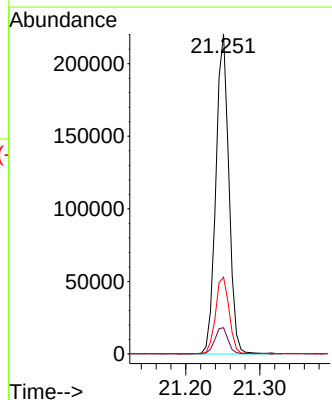
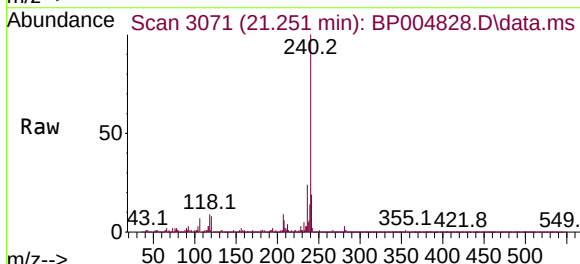
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

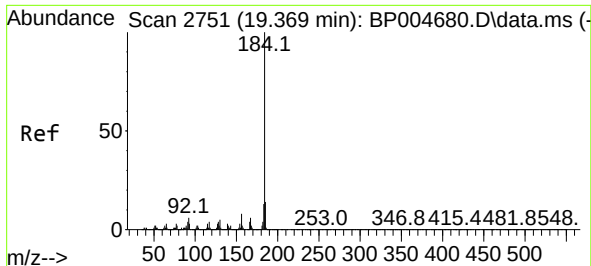
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|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 72567 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.5  | 0.0   | 29.4  |
| 203       | 17.8  | 0.0   | 37.8  |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.251 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 267820 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.2   | 7.8   | 11.6   |
| 236       | 24.0  | 20.8  | 31.2   |

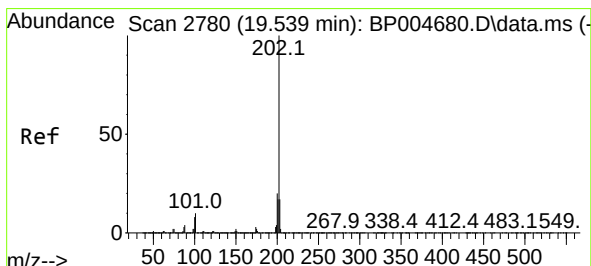
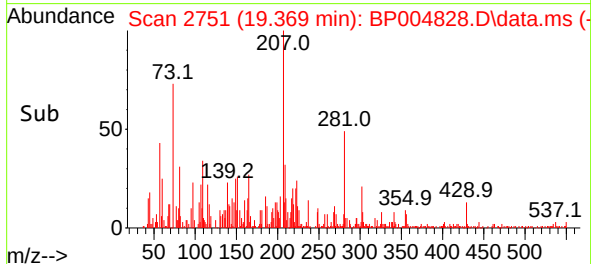
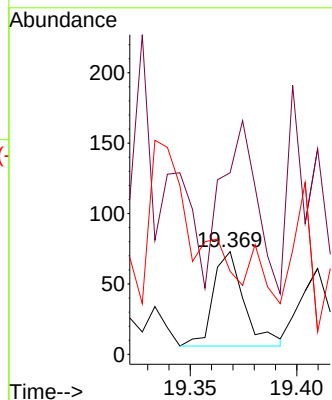
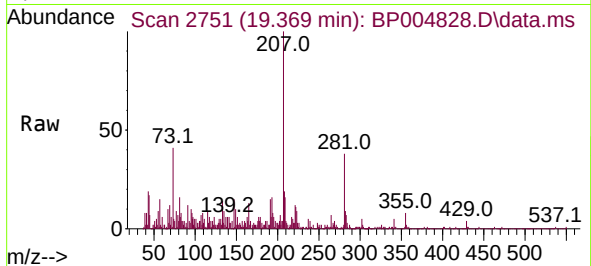




#77  
Benzidine  
Concen: 2.15 ng  
RT: 19.369 min Scan# 2751  
Delta R.T. 0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

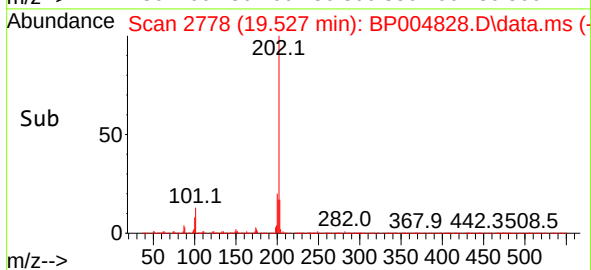
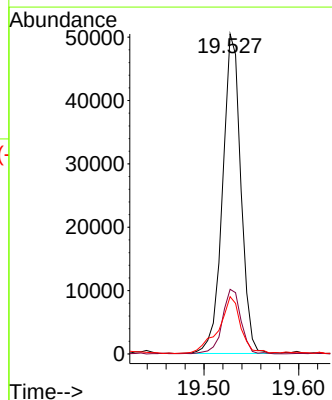
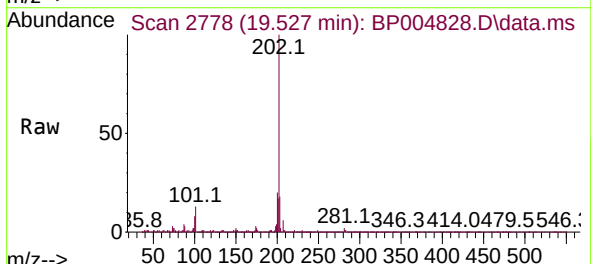
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

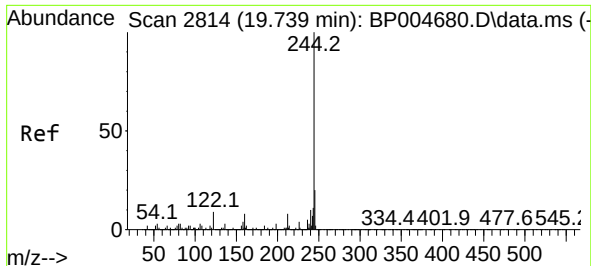
Tgt Ion:184 Resp: 67  
Ion Ratio Lower Upper  
184 100  
185 176.7 11.5 17.3#  
183 80.8 9.6 14.4#



#78  
Pyrene  
Concen: 3.58 ng  
RT: 19.527 min Scan# 2778  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:202 Resp: 67657  
Ion Ratio Lower Upper  
202 100  
200 20.2 17.1 25.7  
203 17.9 14.2 21.2



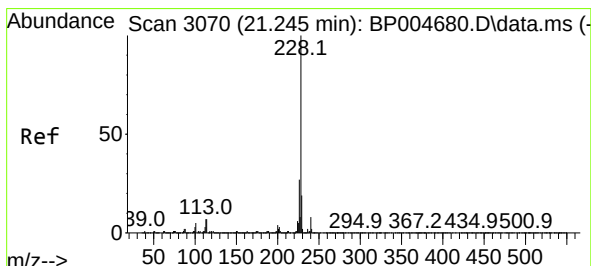
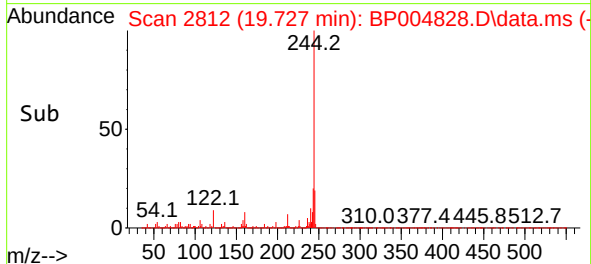
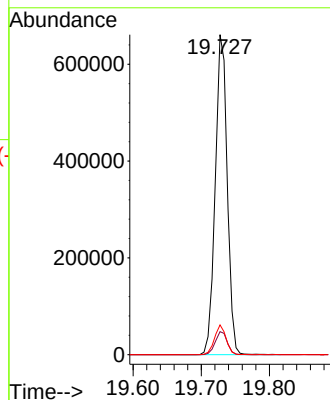
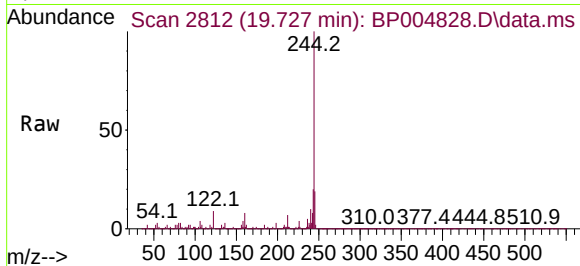


#79  
Terphenyl-d14  
Concen: 50.68 ng  
RT: 19.727 min Scan# 2812  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

Tgt Ion:244 Resp: 807983

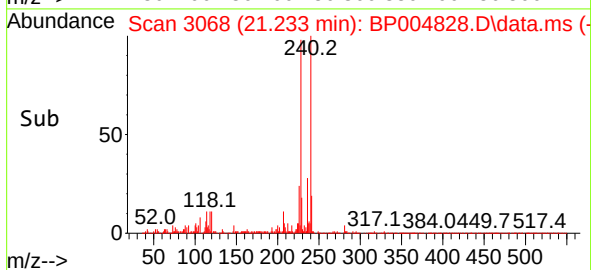
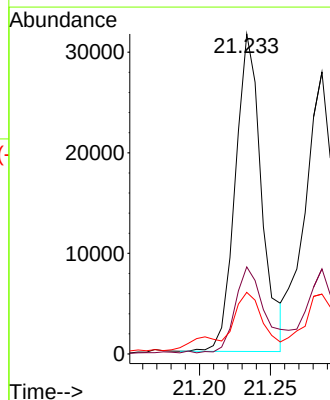
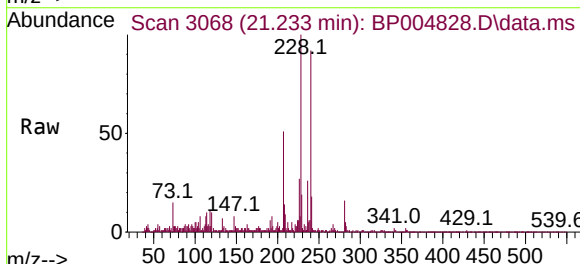
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 5.8   | 8.6   |
| 122 | 9.3   | 7.8   | 11.8  |

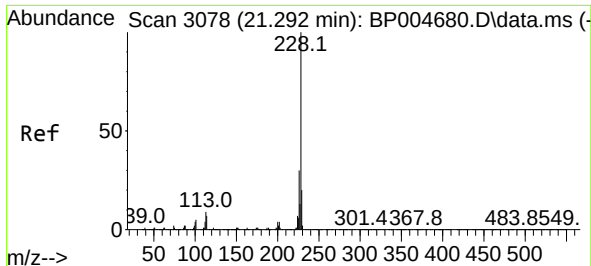


#81  
Benzo(a)anthracene  
Concen: 2.15 ng  
RT: 21.233 min Scan# 3068  
Delta R.T. -0.006 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:228 Resp: 40754

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.2  | 22.1  | 33.1  |
| 229 | 19.3  | 15.9  | 23.9  |

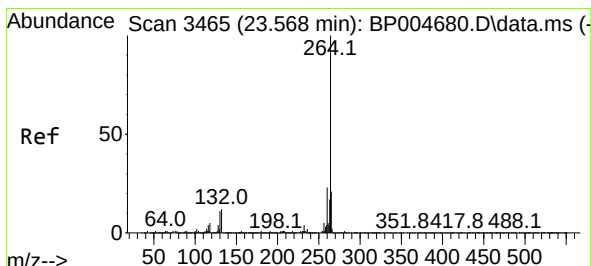
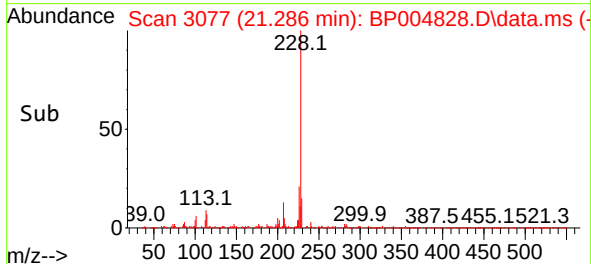
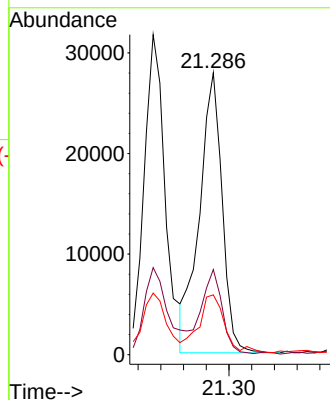
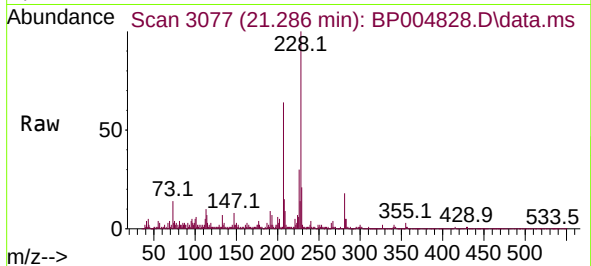




#83  
Chrysene  
Concen: 2.11 ng  
RT: 21.286 min Scan# 3077  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

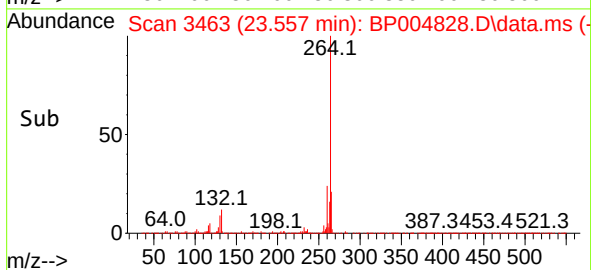
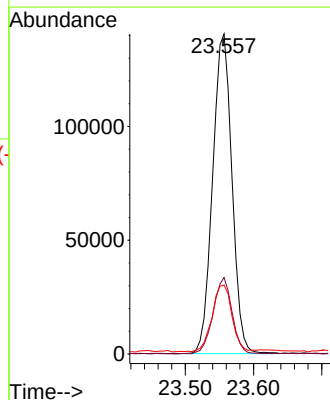
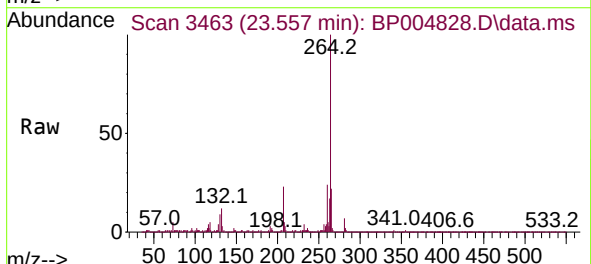
Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-A

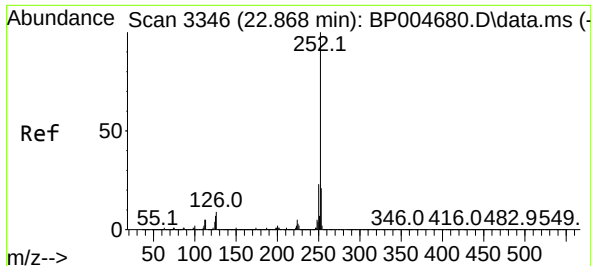
Tgt Ion:228 Resp: 38782  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.4 36.6  
229 21.2 15.8 23.6



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.557 min Scan# 3463  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:264 Resp: 276997  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.8 28.2  
265 21.6 17.4 26.2

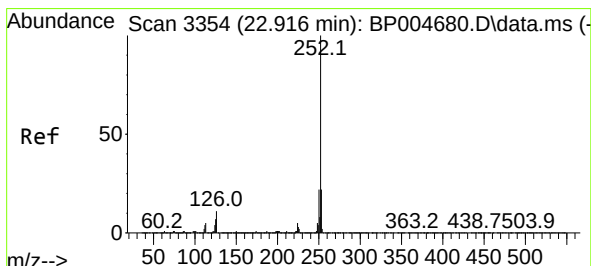
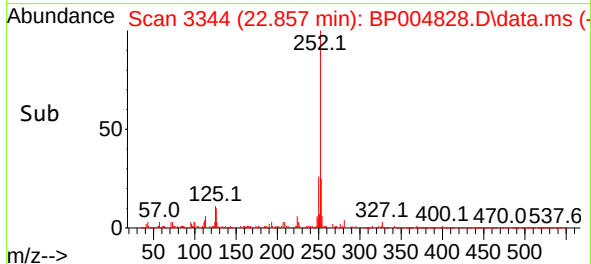
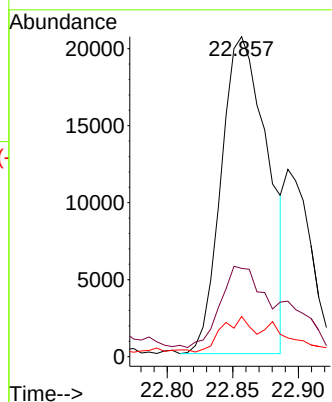
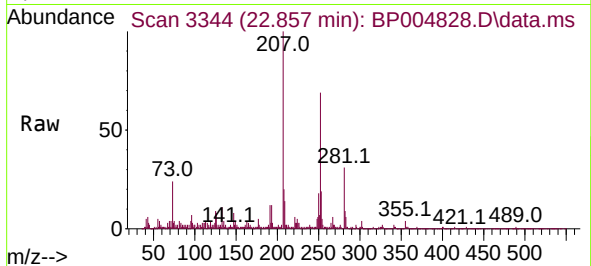




#88  
Benzo(b)fluoranthene  
Concen: 2.50 ng  
RT: 22.857 min Scan# 3344  
Delta R.T. 0.000 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Instrument :  
BNA\_P  
ClientSampled :  
SP-234-A

Tgt Ion:252 Resp: 50676  
Ion Ratio Lower Upper  
252 100  
253 27.6 17.6 26.4#  
125 12.5 7.3 10.9#



#89  
Benzo(k)fluoranthene  
Concen: 2.60 ng  
RT: 22.857 min Scan# 3344  
Delta R.T. -0.047 min  
Lab File: BP004828.D  
Acq: 19 Feb 2021 18:30

Tgt Ion:252 Resp: 50676  
Ion Ratio Lower Upper  
252 100  
253 27.6 17.8 26.8#  
125 12.5 7.4 11.2#

