

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111720\  
 Data File : BP003978.D  
 Acq On : 17 Nov 2020 16:46  
 Operator : CG/JU  
 Sample : L4734-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BARNUM-STREET-TEST-PIT-2

Quant Time: Nov 18 02:08:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 12 15:22:47 2020  
 Response via : Initial Calibration

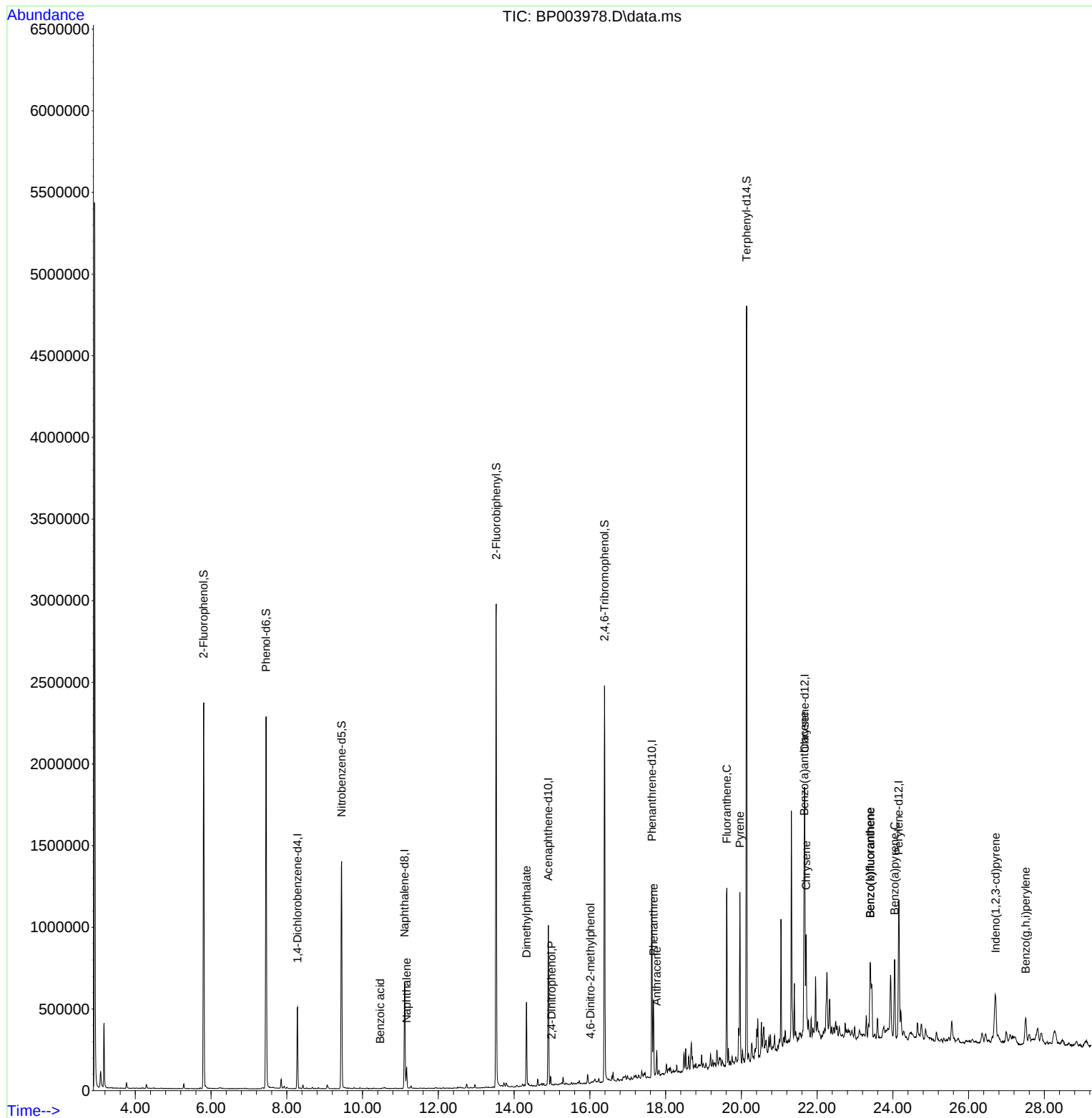
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.281  | 152  | 131458   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.110 | 136  | 527534   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.904 | 164  | 331917   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.639 | 188  | 693623   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.674 | 240  | 643152   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 24.157 | 264  | 664284   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.805  | 112  | 930543   | 118.14    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.452  | 99   | 1221257  | 108.01    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.446  | 82   | 791180   | 73.45     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.387 | 330  | 452037   | 108.89    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.528 | 172  | 1577215  | 66.43     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.139 | 244  | 1951719  | 58.63     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.387  | 77   | 1134     | Below Cal | #     | 60       |
| 31) Naphthalene               | 11.163 | 128  | 95776    | 3.38      | ng    | 98       |
| 32) Benzoic acid              | 10.463 | 122  | 68       | 8.32      | ng    | # 1      |
| 50) Dimethylphthalate         | 14.328 | 163  | 324414   | 12.50     | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.987 | 184  | 46       | 2.75      | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 16.016 | 198  | 56       | 6.35      | ng    | # 1      |
| 71) Phenanthrene              | 17.681 | 178  | 280848   | 7.21      | ng    | 100      |
| 72) Anthracene                | 17.769 | 178  | 93220    | 2.48      | ng    | 99       |
| 75) Fluoranthene              | 19.616 | 202  | 637516   | 14.19     | ng    | 100      |
| 78) Pyrene                    | 19.963 | 202  | 624842   | 14.32     | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.657 | 228  | 404590   | 9.54      | ng    | 98       |
| 83) Chrysene                  | 21.710 | 228  | 336425   | 8.26      | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.715 | 276  | 220257   | 4.60      | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.404 | 252  | 616505   | 14.18     | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.404 | 252  | 616505   | 14.36     | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.045 | 252  | 372849   | 9.27      | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.509 | 276  | 208916   | 5.40      | ng    | 99       |
| -----                         |        |      |          |           |       |          |

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

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BARNUM-STREET-TEST-PIT-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 12 15:22:47 2020  
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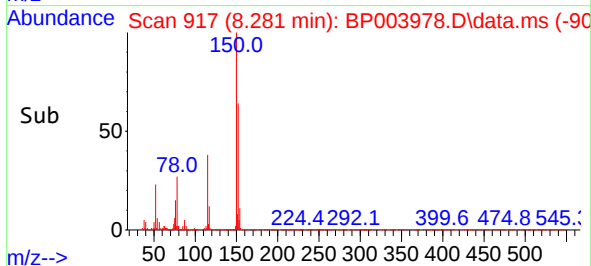
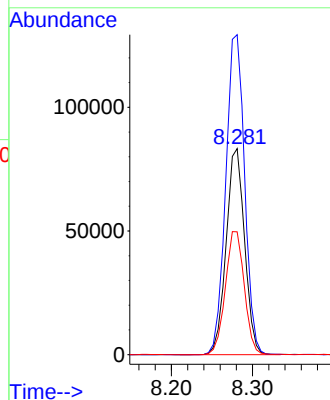
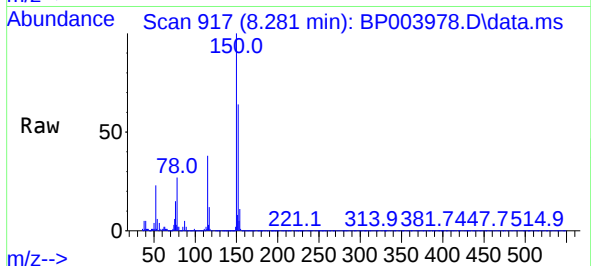




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.281 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

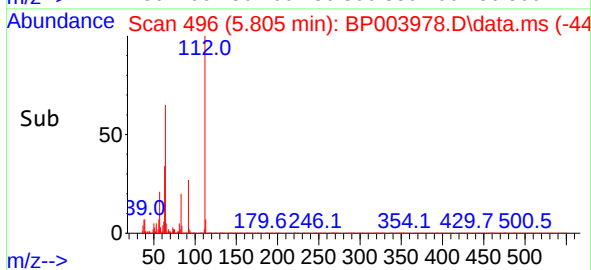
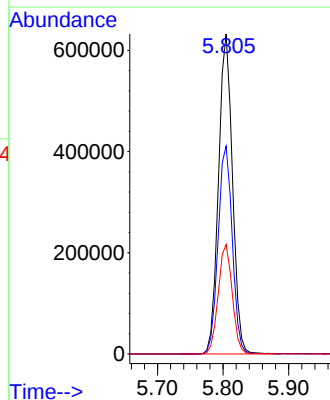
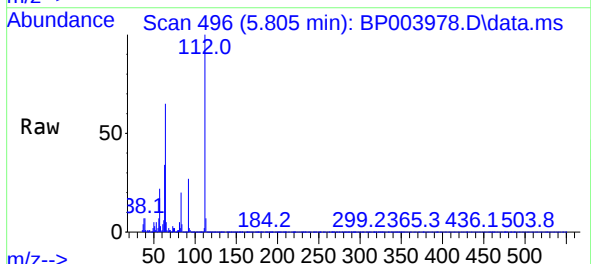
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

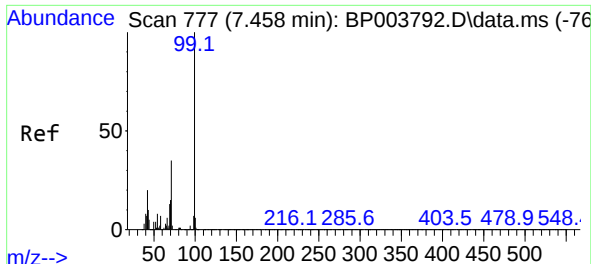
Tgt Ion:152 Resp: 131458  
Ion Ratio Lower Upper  
152 100  
150 155.3 123.8 185.6  
115 59.7 43.8 65.6



#5  
2-Fluorophenol  
Concen: 118.14 ng  
RT: 5.805 min Scan# 496  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:112 Resp: 930543  
Ion Ratio Lower Upper  
112 100  
64 65.0 32.8 49.2#  
63 34.2 17.0 25.4#

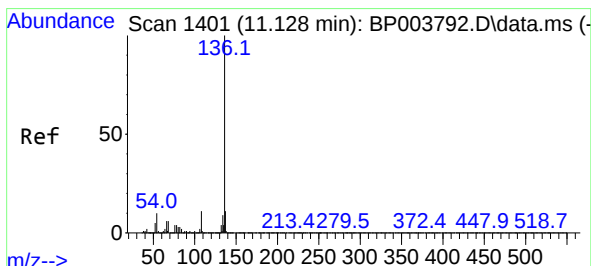
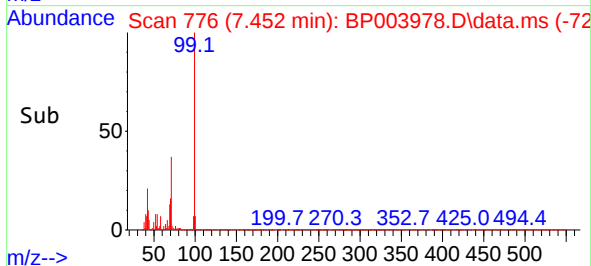
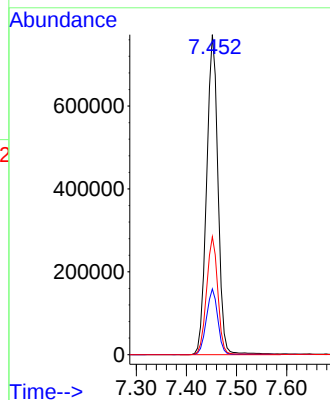
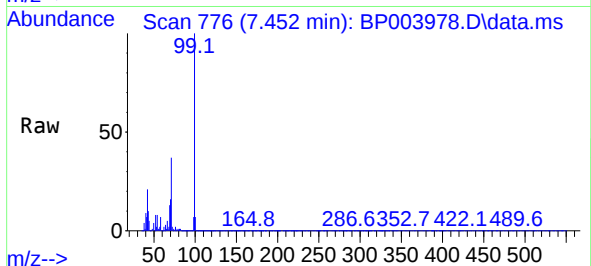




#7  
Phenol-d6  
Concen: 108.01 ng  
RT: 7.452 min Scan# 776  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

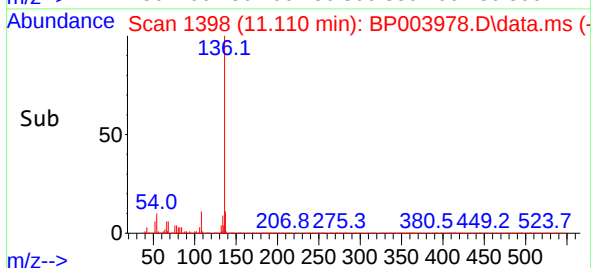
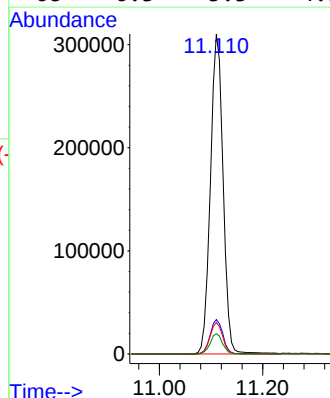
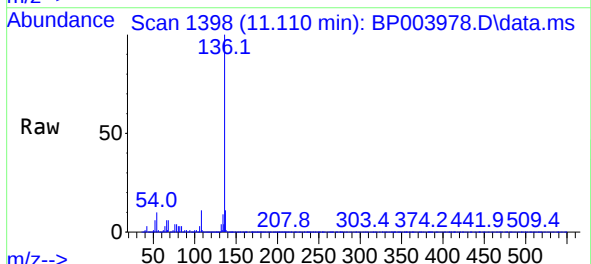
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

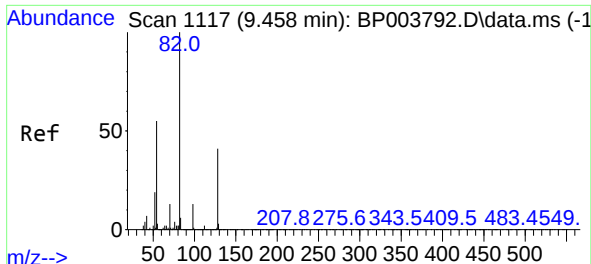
Tgt Ion: 99 Resp: 1221257  
Ion Ratio Lower Upper  
99 100  
42 20.5 8.6 13.0#  
71 36.8 23.4 35.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.110 min Scan# 1398  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion: 136 Resp: 527534  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 9.8 3.6 5.4#  
68 6.3 3.3 4.9#

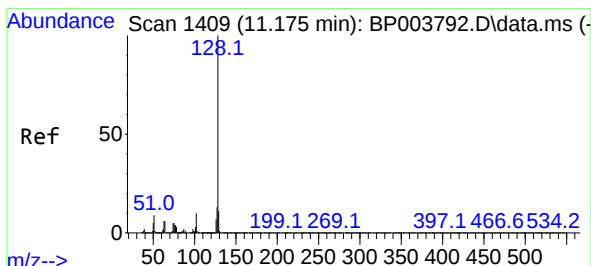
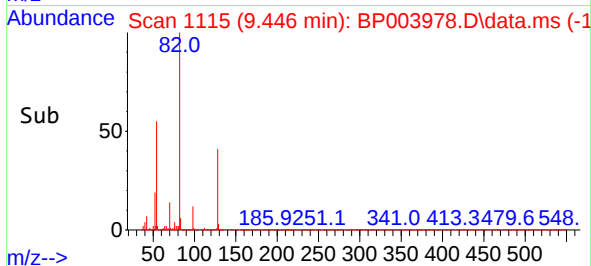
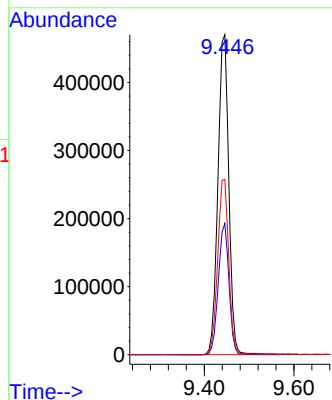
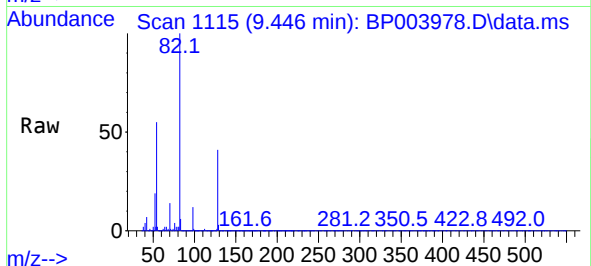




#23  
Nitrobenzene-d5  
Concen: 73.45 ng  
RT: 9.446 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

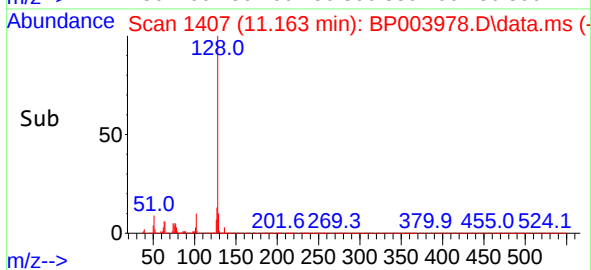
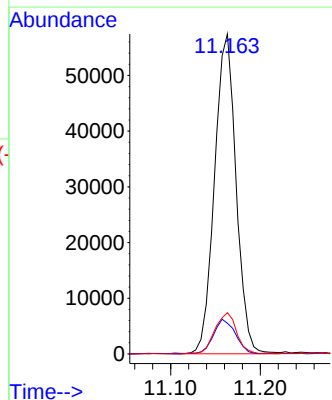
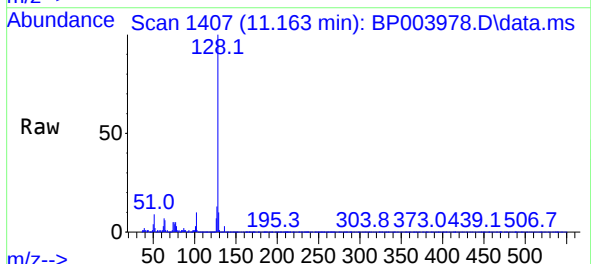
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

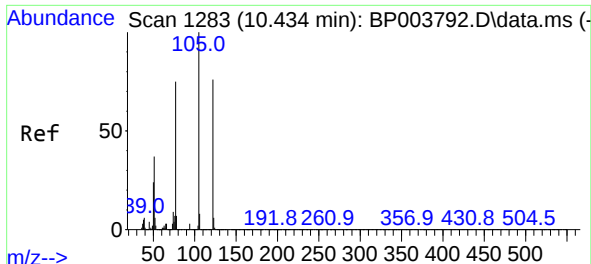
Tgt Ion: 82 Resp: 791180  
Ion Ratio Lower Upper  
82 100  
128 41.0 45.6 68.4#  
54 54.7 30.1 45.1#



#31  
Naphthalene  
Concen: 3.38 ng  
RT: 11.163 min Scan# 1407  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion: 128 Resp: 95776  
Ion Ratio Lower Upper  
128 100  
129 9.6 8.8 13.2  
127 12.9 10.6 15.8

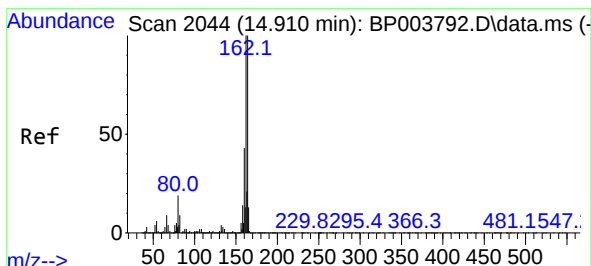
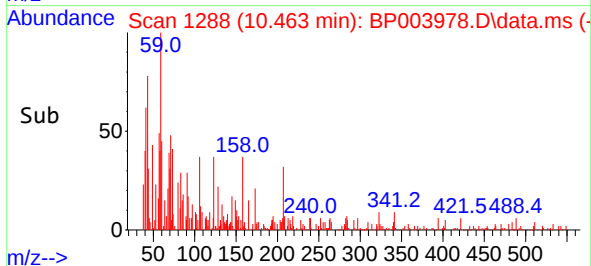
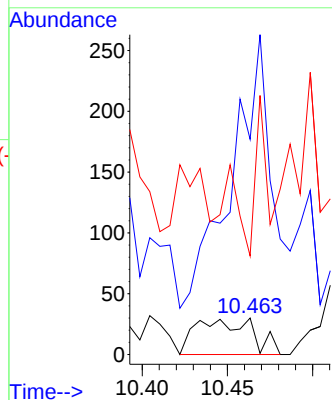
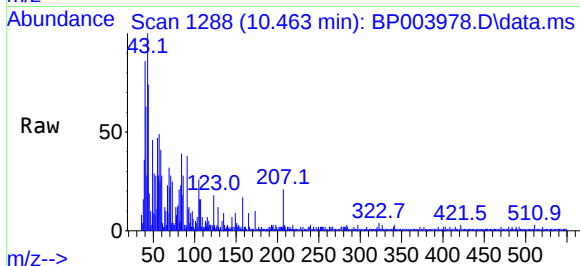




#32  
Benzoic acid  
Concen: 8.32 ng  
RT: 10.463 min Scan# 1288  
Delta R.T. 0.024 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

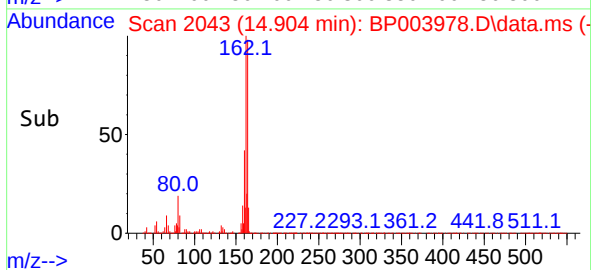
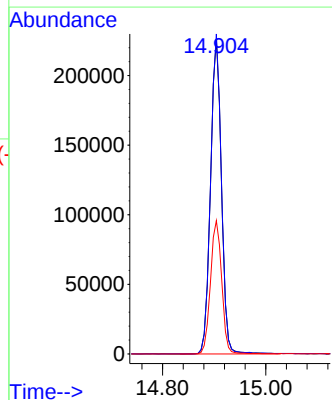
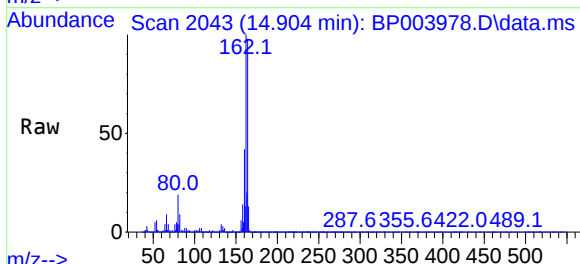
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

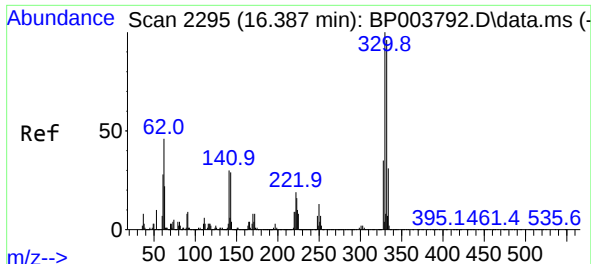
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 68     |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 590.0 | 94.1  | 134.1# |
| 77       | 270.0 | 50.1  | 90.1#  |



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.904 min Scan# 2043  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 331917 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 101.7 | 79.4  | 119.2  |
| 160      | 42.3  | 36.1  | 54.1   |

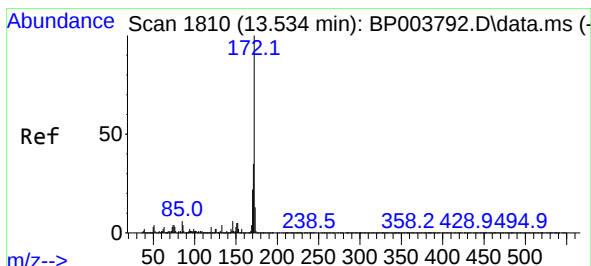
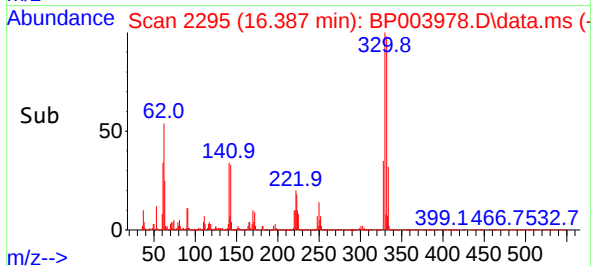
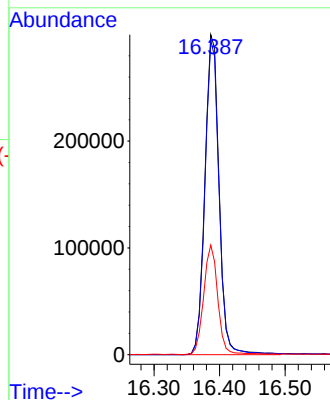
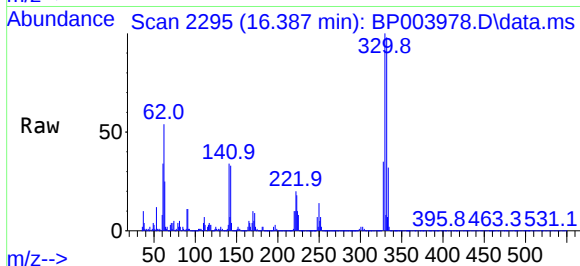




#42  
2,4,6-Tribromophenol  
Concen: 108.89 ng  
RT: 16.387 min Scan# 2295  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

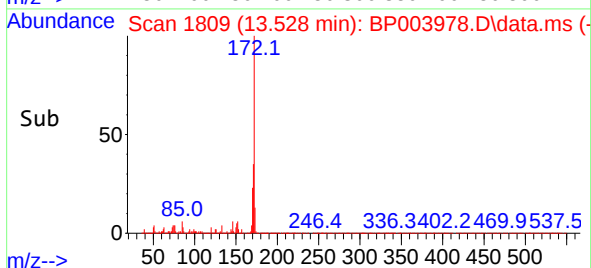
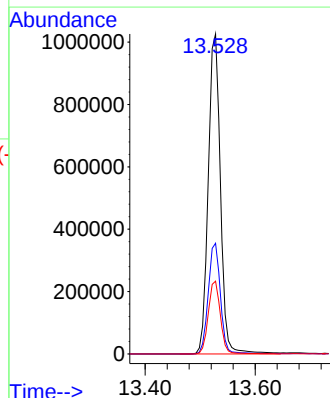
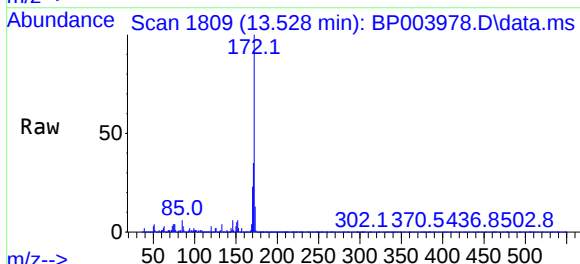
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

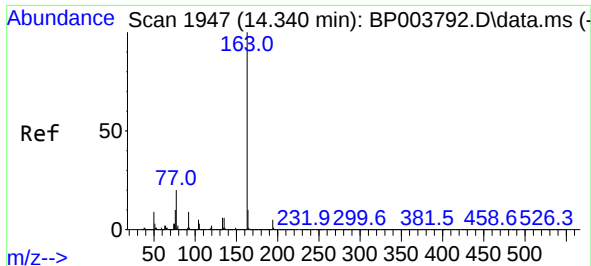
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Ion Ratio Lower Upper  
330 100  
332 97.8 77.1 115.7  
141 34.0 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 66.43 ng  
RT: 13.528 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:172 Resp: 1577215  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.5 42.7  
170 22.8 19.2 28.8

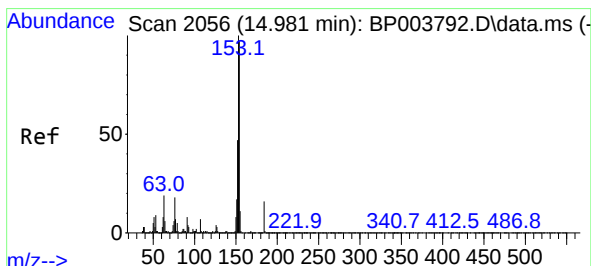
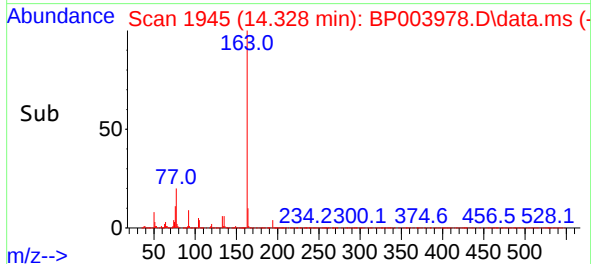
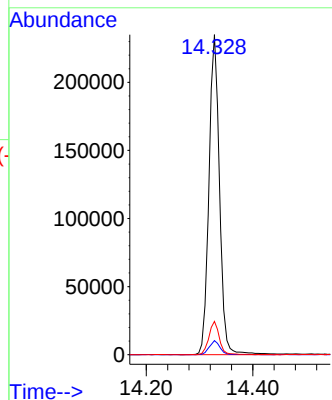
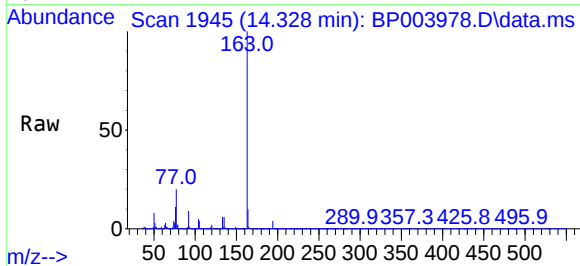




#50  
Dimethylphthalate  
Concen: 12.50 ng  
RT: 14.328 min Scan# 1945  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

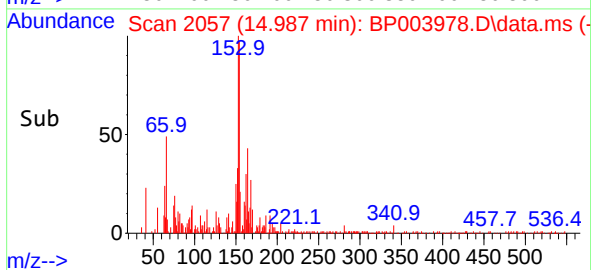
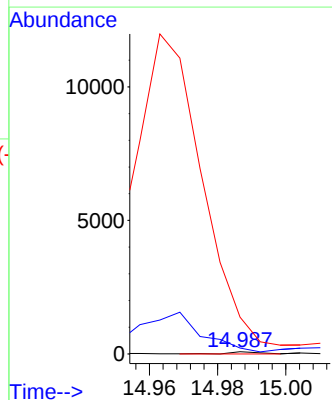
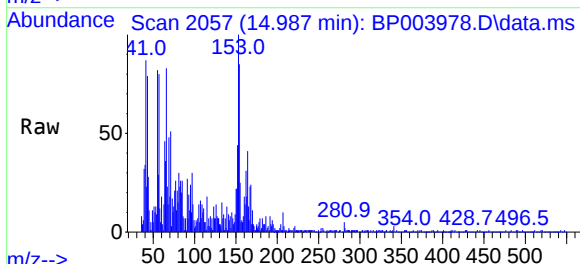
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

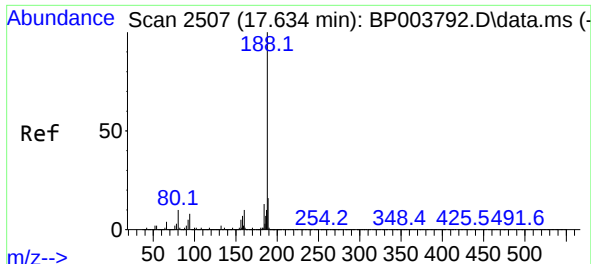
Tgt Ion:163 Resp: 324414  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.3 4.9  
164 10.4 8.2 12.2



#54  
2,4-Dinitrophenol  
Concen: 2.75 ng  
RT: 14.987 min Scan# 2057  
Delta R.T. -0.012 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:184 Resp: 46  
Ion Ratio Lower Upper  
184 100  
63 261.2 32.3 48.5#  
154 1624.7 49.1 73.7#

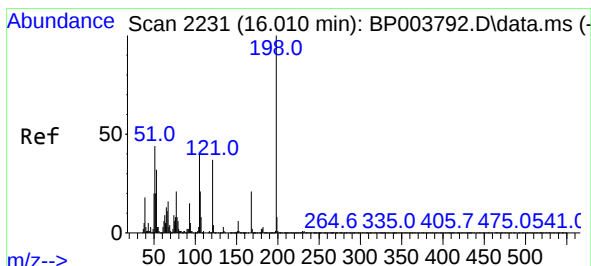
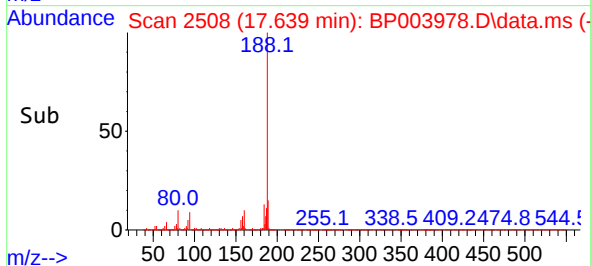
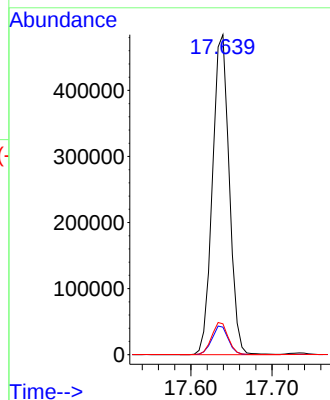
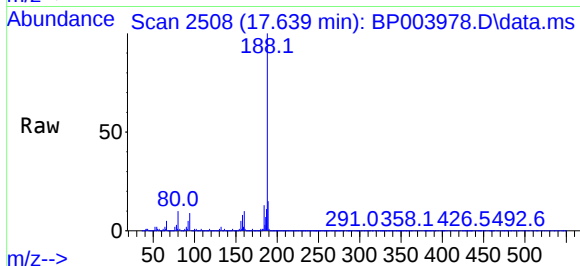




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.639 min Scan# 2508  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

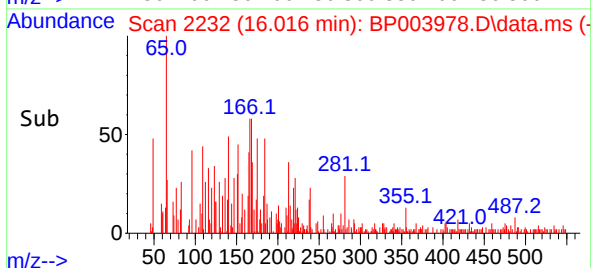
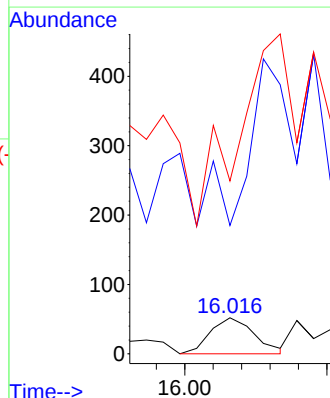
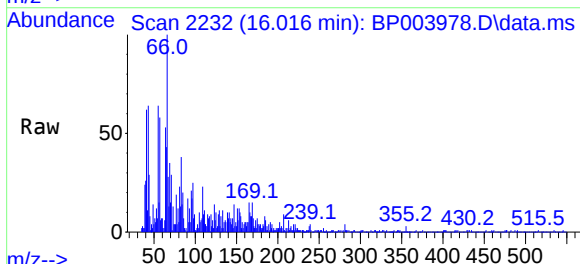
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

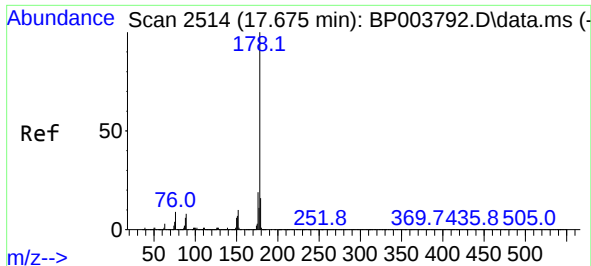
Tgt Ion:188 Resp: 693623  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.2 9.2  
80 9.6 6.2 9.2#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.35 ng  
RT: 16.016 min Scan# 2232  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:198 Resp: 56  
Ion Ratio Lower Upper  
198 100  
51 355.8 6.4 46.4#  
105 478.8 18.9 58.9#

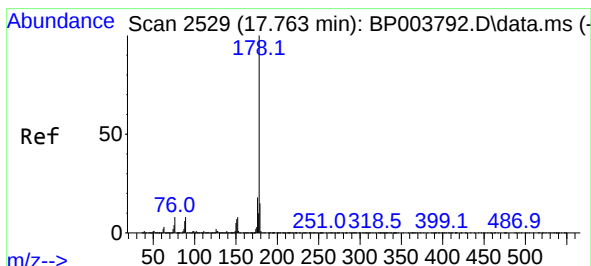
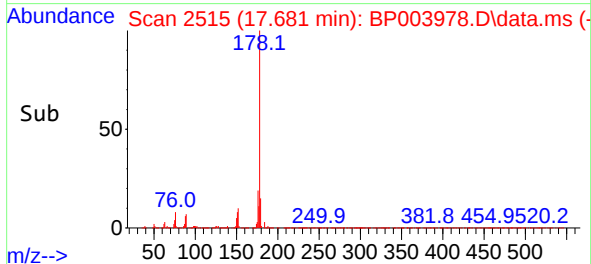
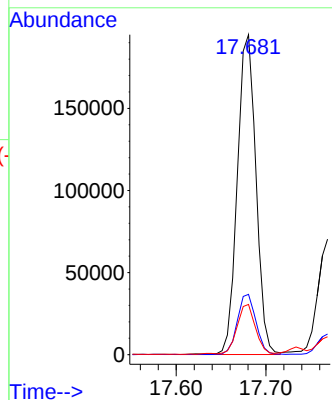
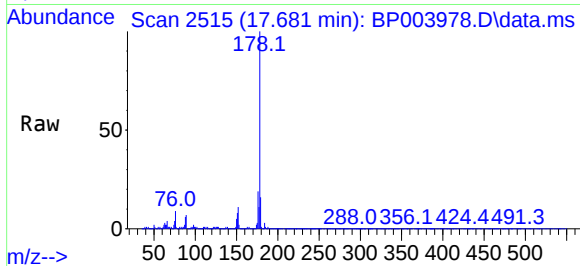




#71  
Phenanthrene  
Concen: 7.21 ng  
RT: 17.681 min Scan# 2515  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

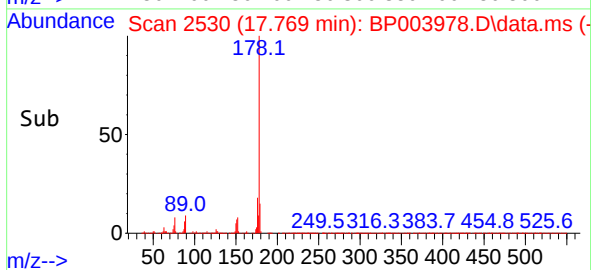
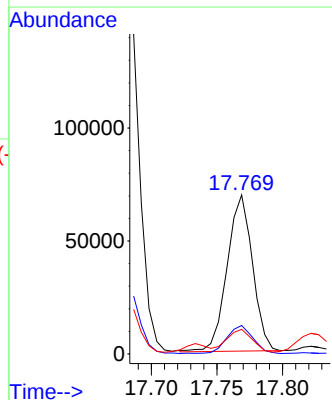
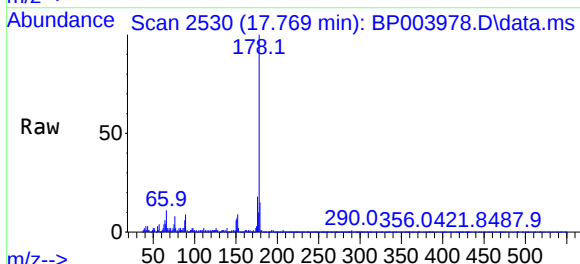
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

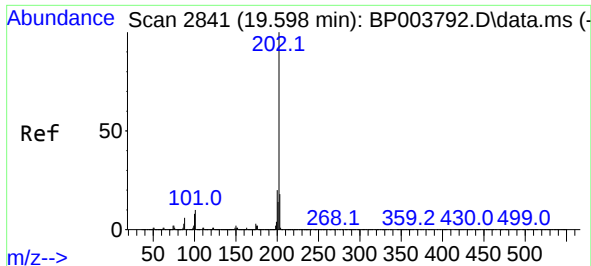
Tgt Ion:178 Resp: 280848  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.7 12.5 18.7



#72  
Anthracene  
Concen: 2.48 ng  
RT: 17.769 min Scan# 2530  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:178 Resp: 93220  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.0 22.4  
179 15.5 12.5 18.7

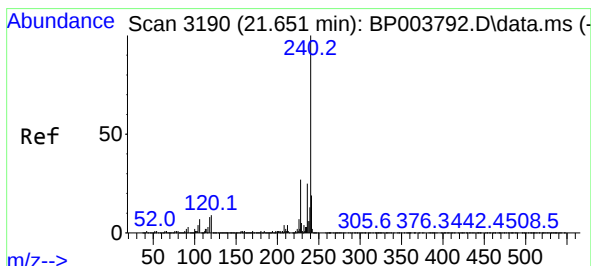
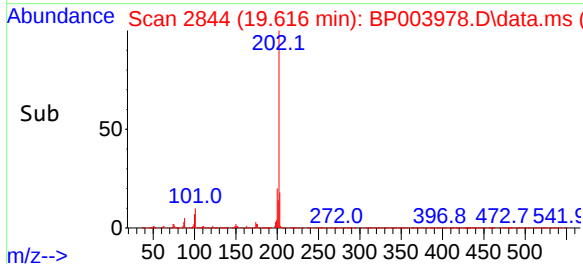
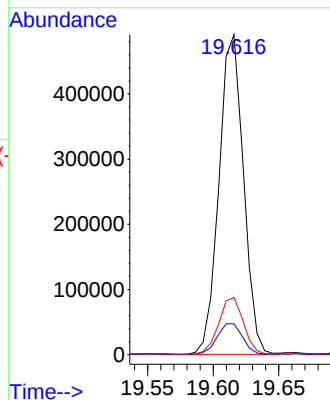
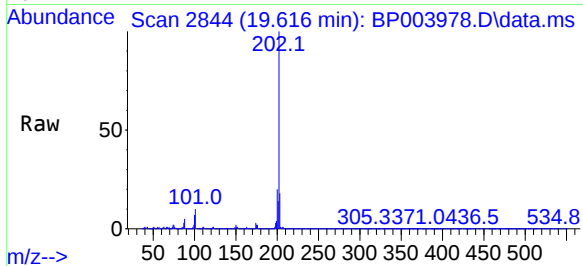




#75  
Fluoranthene  
Concen: 14.19 ng  
RT: 19.616 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

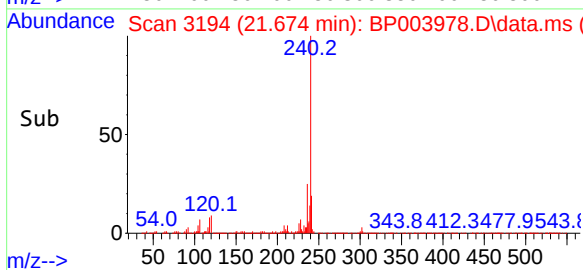
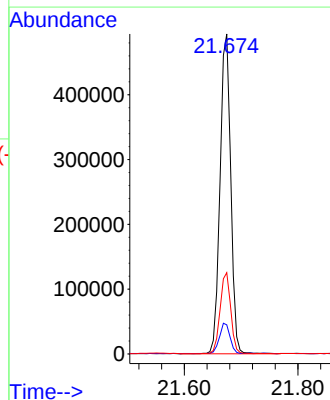
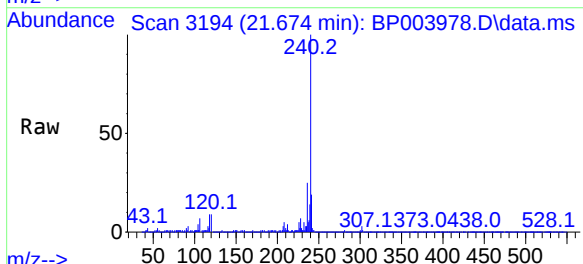
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

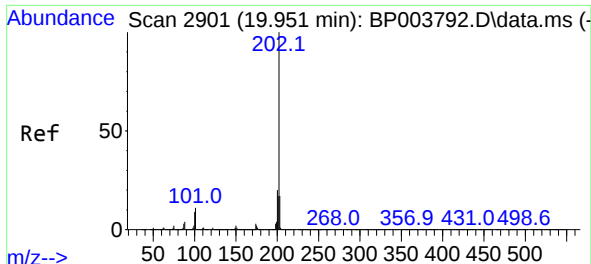
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 637516   |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 9.6   | 0.0 29.4 |
| 203         | 17.9  | 0.0 37.8 |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.674 min Scan# 3194  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 643152    |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 9.1   | 7.8 11.6  |
| 236         | 25.4  | 20.8 31.2 |

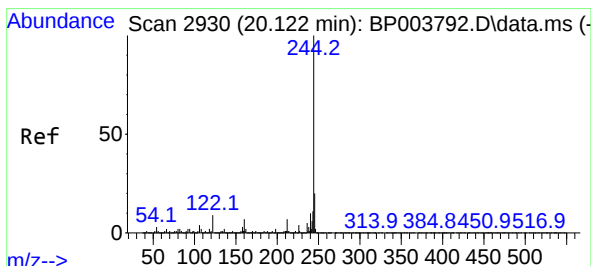
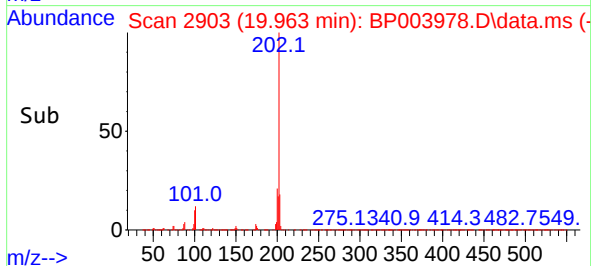
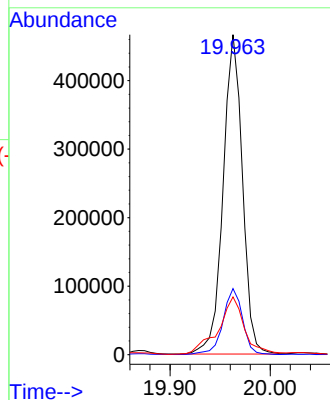
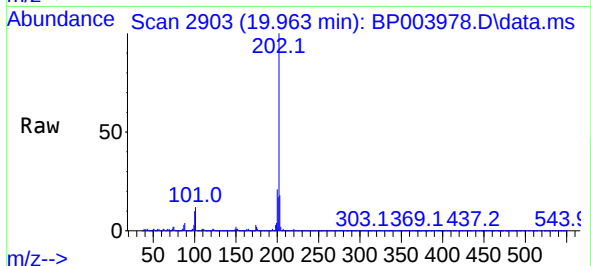




#78  
Pyrene  
Concen: 14.32 ng  
RT: 19.963 min Scan# 2903  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

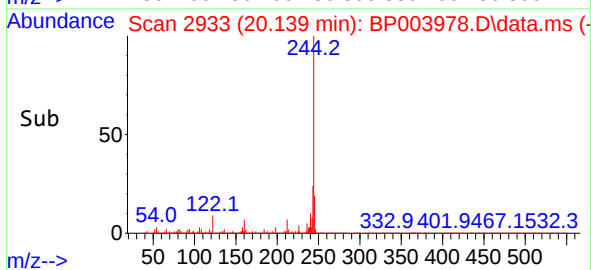
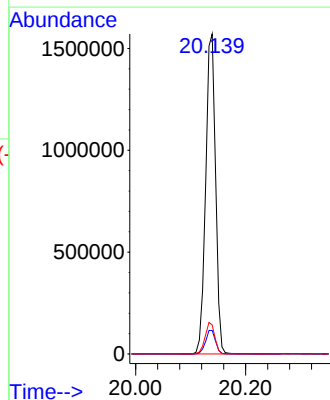
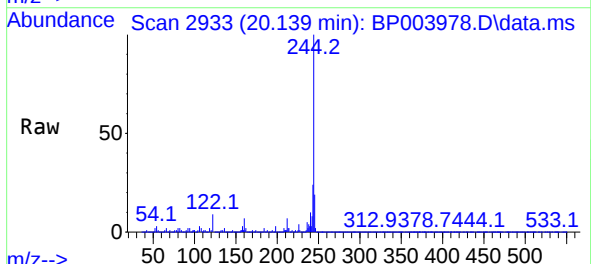
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

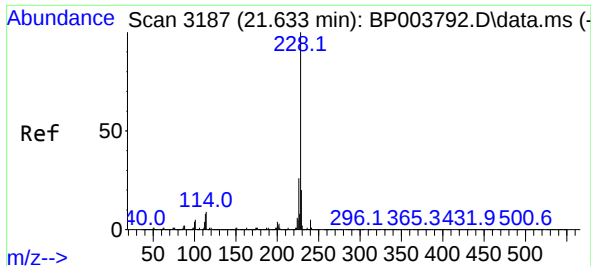
Tgt Ion:202 Resp: 624842  
Ion Ratio Lower Upper  
202 100  
200 20.7 17.1 25.7  
203 18.1 14.2 21.2



#79  
Terphenyl-d14  
Concen: 58.63 ng  
RT: 20.139 min Scan# 2933  
Delta R.T. 0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:244 Resp: 1951719  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.6  
122 9.0 7.8 11.8

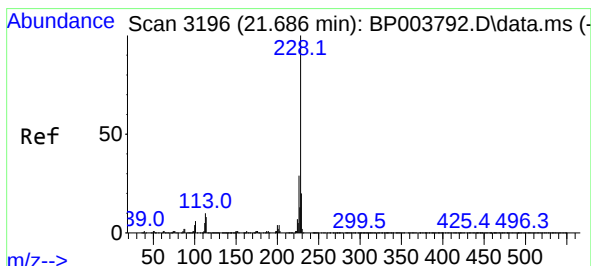
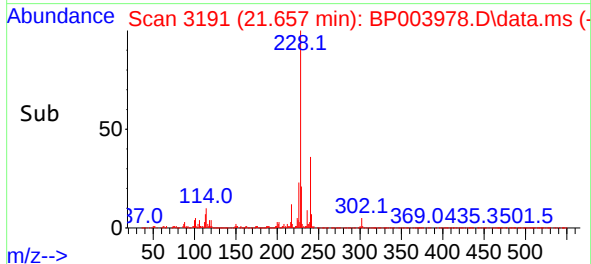
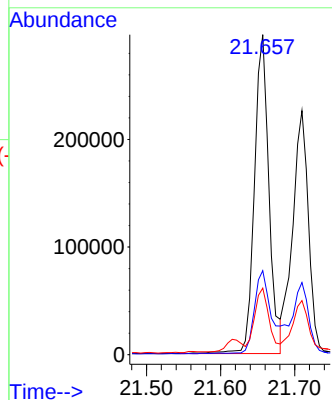
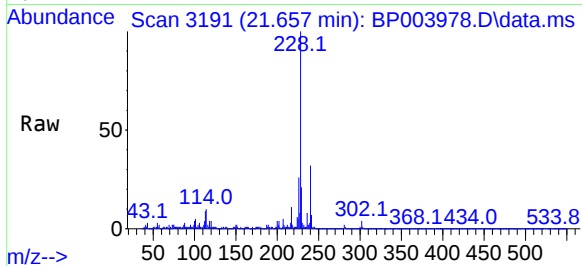




#81  
Benzo(a)anthracene  
Concen: 9.54 ng  
RT: 21.657 min Scan# 3191  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

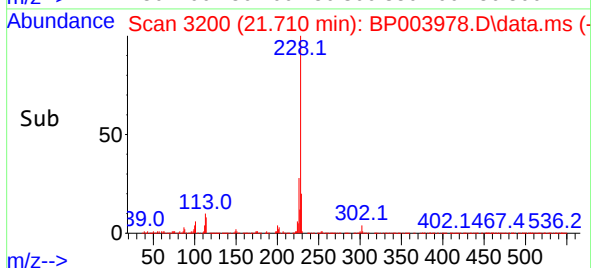
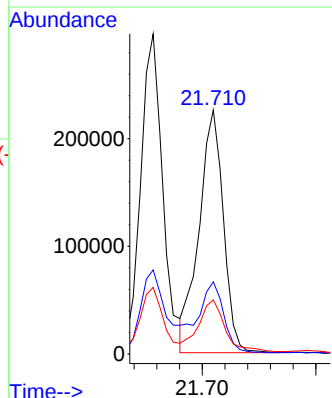
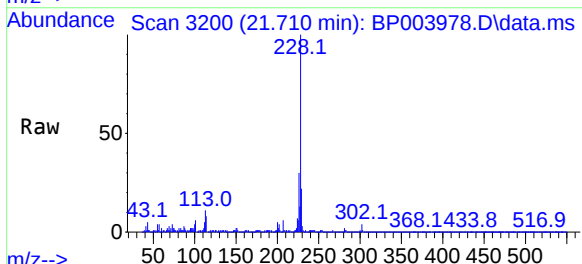
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

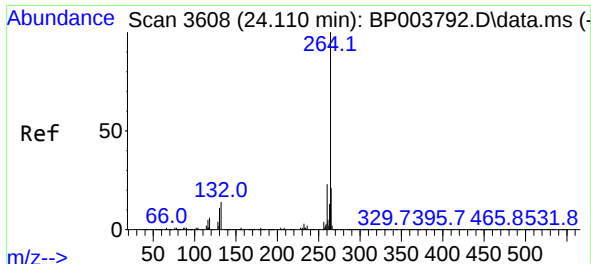
Tgt Ion:228 Resp: 404590  
Ion Ratio Lower Upper  
228 100  
226 26.3 22.1 33.1  
229 20.8 15.9 23.9



#83  
Chrysene  
Concen: 8.26 ng  
RT: 21.710 min Scan# 3200  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:228 Resp: 336425  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.4 36.6  
229 22.2 15.8 23.6



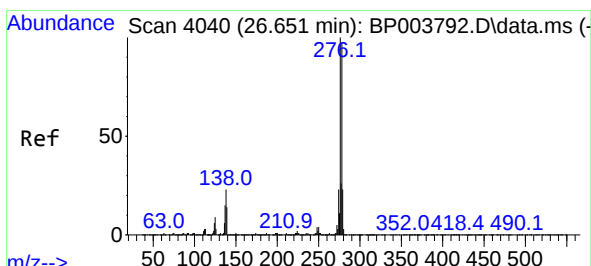
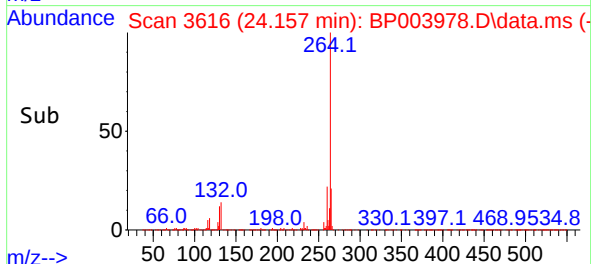
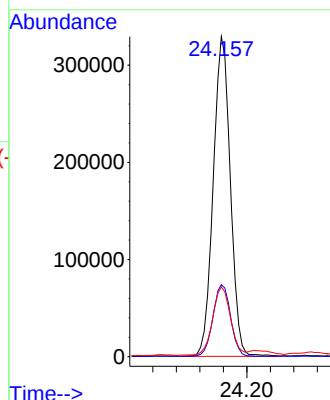
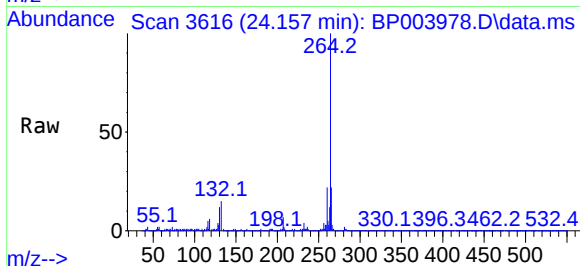


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.157 min Scan# 3616  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

Tgt Ion:264 Resp: 664284

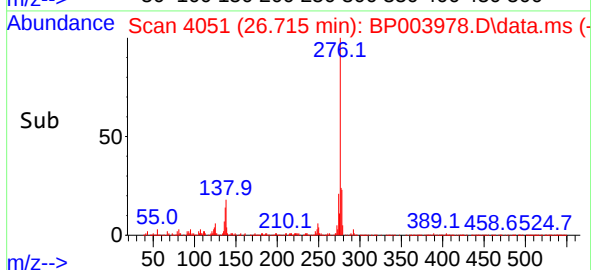
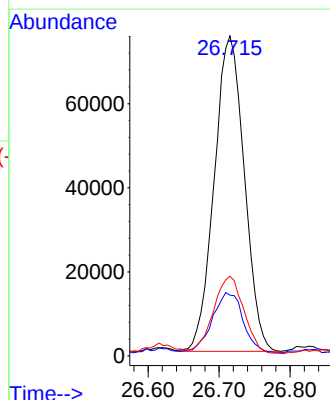
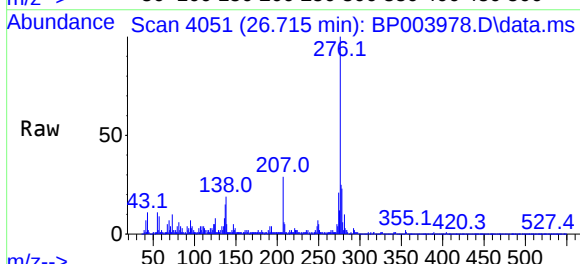
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.8  | 28.2  |
| 265 | 21.8  | 17.4  | 26.2  |

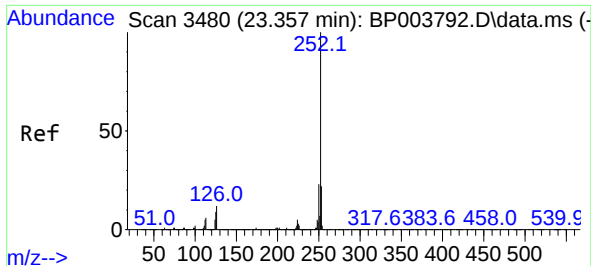


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.60 ng  
RT: 26.715 min Scan# 4051  
Delta R.T. -0.012 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:276 Resp: 220257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.1  | 18.7  | 28.1  |
| 277 | 25.1  | 20.4  | 30.6  |

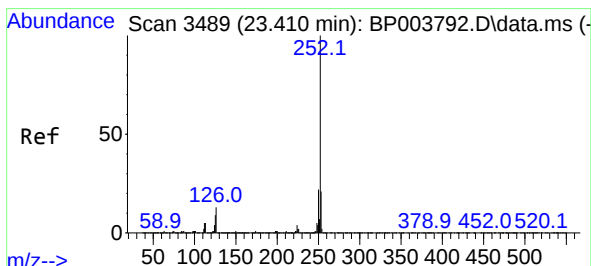
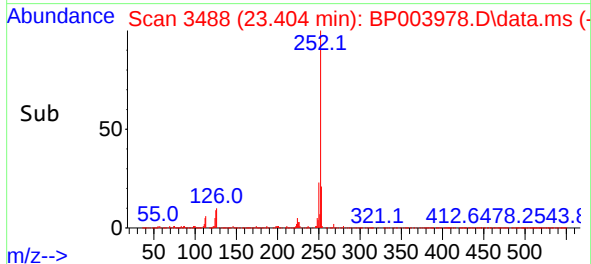
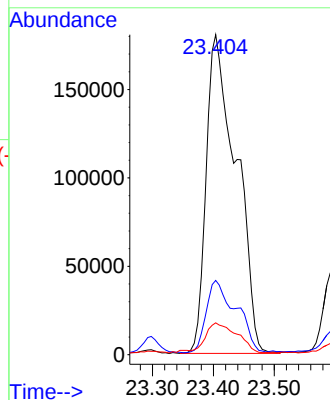
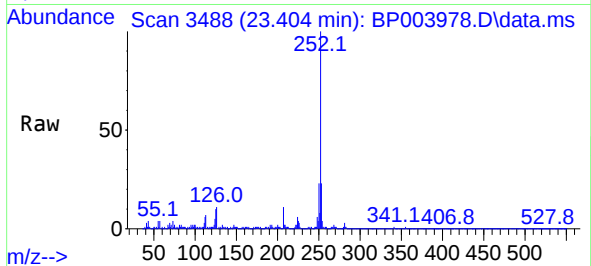




#88  
Benzo(b)fluoranthene  
Concen: 14.18 ng  
RT: 23.404 min Scan# 3488  
Delta R.T. 0.000 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

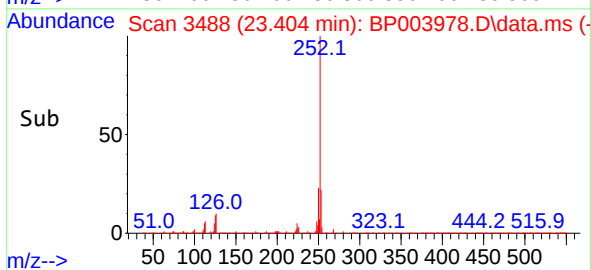
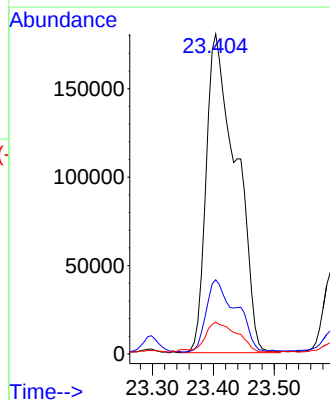
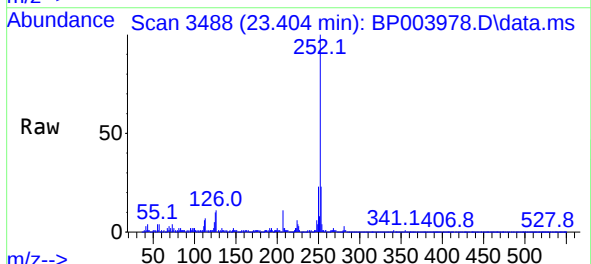
Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

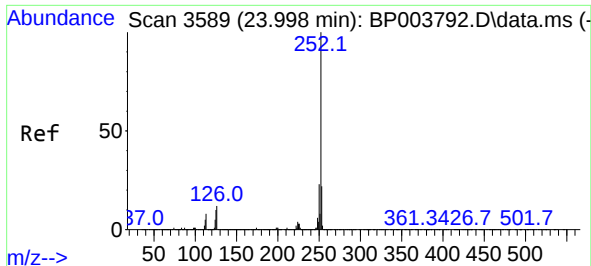
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 616505 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.2  | 17.6  | 26.4   |
| 125       | 10.0  | 7.3   | 10.9   |



#89  
Benzo(k)fluoranthene  
Concen: 14.36 ng  
RT: 23.404 min Scan# 3488  
Delta R.T. -0.047 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 616505 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.2  | 17.8  | 26.8   |
| 125       | 10.0  | 7.4   | 11.2   |

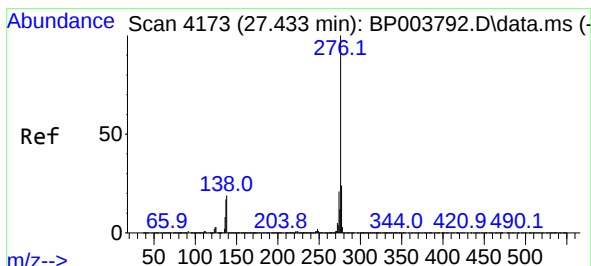
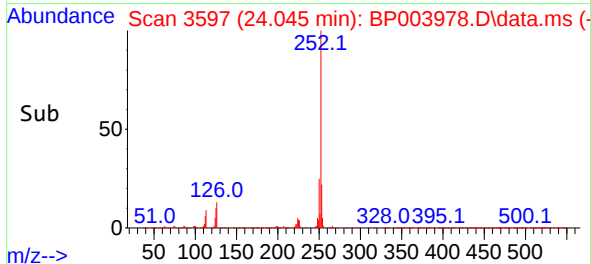
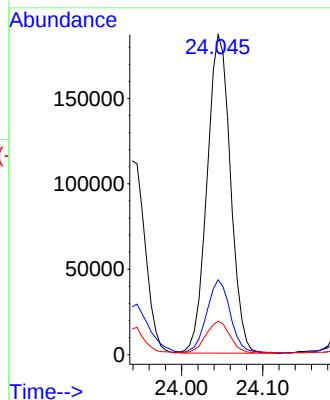
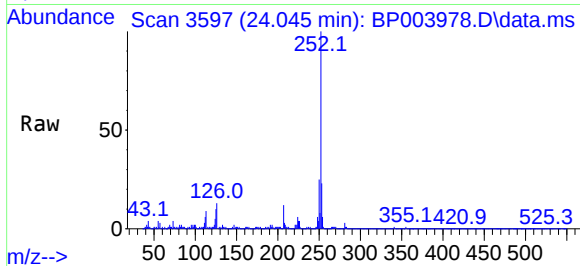




#90  
Benzo(a)pyrene  
Concen: 9.27 ng  
RT: 24.045 min Scan# 3597  
Delta R.T. -0.006 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Instrument :  
BNA\_P  
ClientSampleId :  
BARNUM-STREET-TEST-PIT-2

Tgt Ion:252 Resp: 372849  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.4 26.0  
125 10.4 8.2 12.4



#92  
Benzo(g,h,i)perylene  
Concen: 5.40 ng  
RT: 27.509 min Scan# 4186  
Delta R.T. -0.012 min  
Lab File: BP003978.D  
Acq: 17 Nov 2020 16:46

Tgt Ion:276 Resp: 208916  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.0 28.6  
138 19.6 16.6 24.8

