

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110821\  
 Data File : BP007881.D  
 Acq On : 09 Nov 2021 02:36  
 Operator : CG/JU  
 Sample : M4556-01 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-02-110521

Quant Time: Nov 09 08:49:26 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 08 16:36:40 2021  
 Response via : Initial Calibration

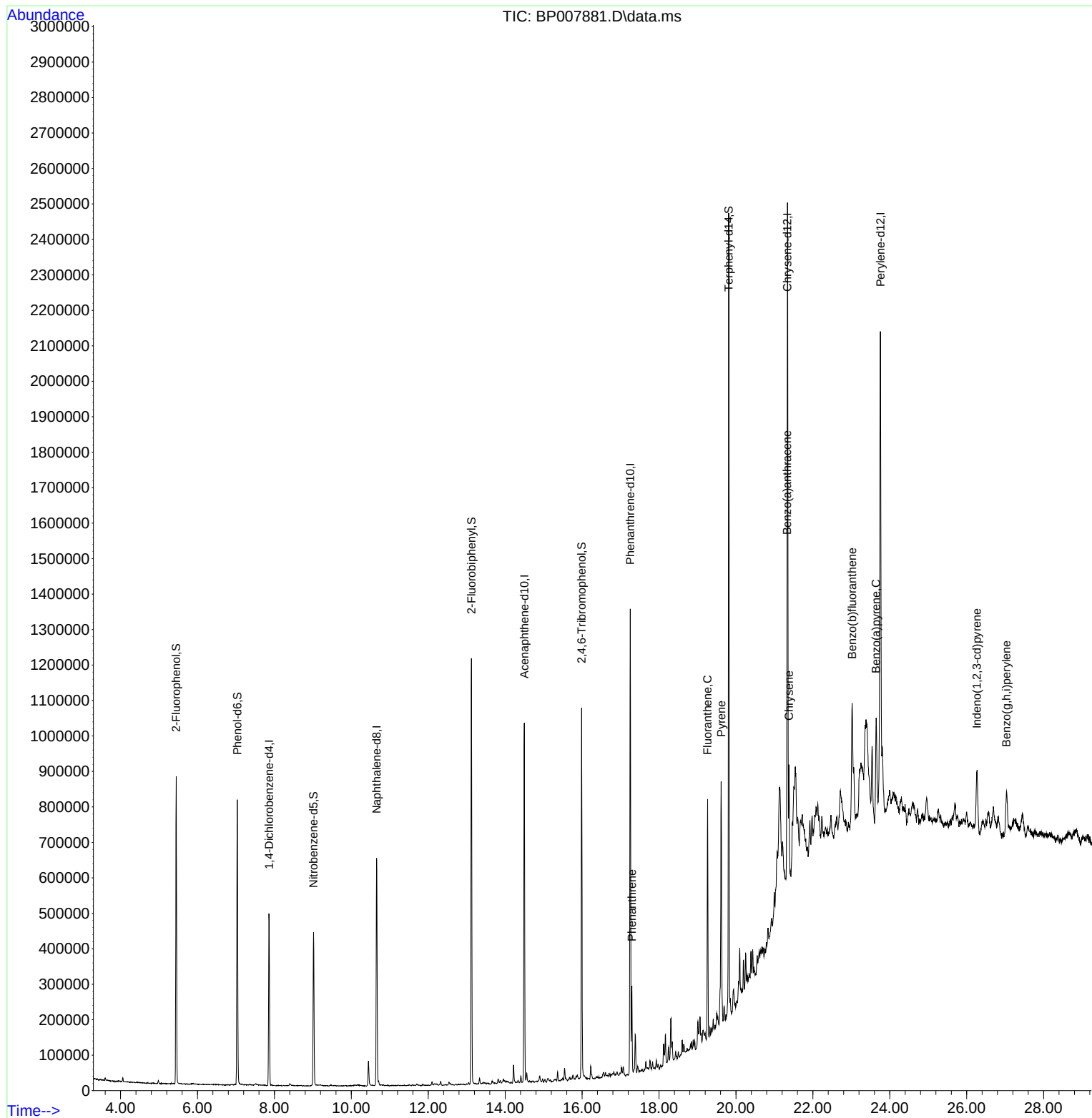
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.858  | 152  | 131252   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.657 | 136  | 521428   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.498 | 164  | 349502   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.251 | 188  | 773757   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.339 | 240  | 875033   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 23.757 | 264  | 982279   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.446  | 112  | 358468   | 46.318 | ng    | 0.00     |
| 7) Phenol-d6                | 7.034  | 99   | 444770   | 39.706 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.016  | 82   | 249592   | 25.713 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.987 | 330  | 201994   | 40.497 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.122 | 172  | 620290   | 25.846 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.810 | 244  | 1093899  | 25.456 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.292 | 178  | 148979   | 3.663  | ng    | 99       |
| 75) Fluoranthene            | 19.263 | 202  | 385276   | 7.509  | ng    | 98       |
| 78) Pyrene                  | 19.616 | 202  | 406005   | 7.565  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.327 | 228  | 224246   | 3.890  | ng    | 95       |
| 83) Chrysene                | 21.380 | 228  | 208350   | 3.818  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.262 | 276  | 163818   | 2.237  | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 23.021 | 252  | 286793   | 4.953  | ng    | 94       |
| 90) Benzo(a)pyrene          | 23.645 | 252  | 228523   | 4.558  | ng    | 96       |
| 92) Benzo(g,h,i)perylene    | 27.033 | 276  | 175876   | 2.921  | ng    | 94       |
| -----                       |        |      |          |        |       |          |

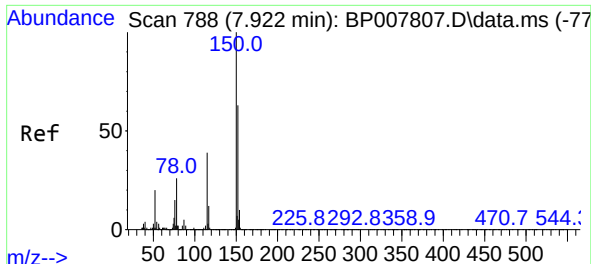
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110821\  
Data File : BP007881.D  
Acq On : 09 Nov 2021 02:36  
Operator : CG/JU  
Sample : M4556-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

Quant Time: Nov 09 08:49:26 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 08 16:36:40 2021  
Response via : Initial Calibration

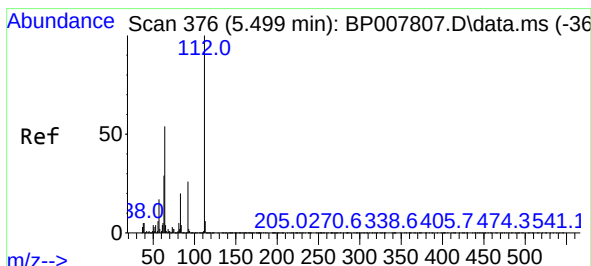
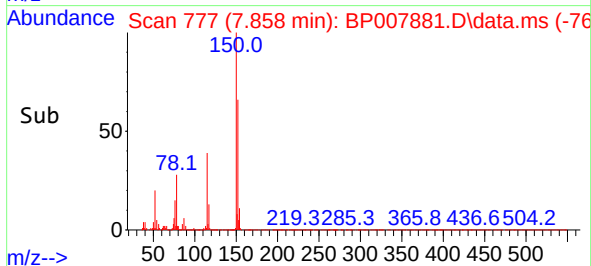
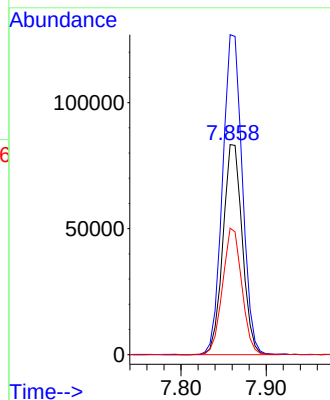
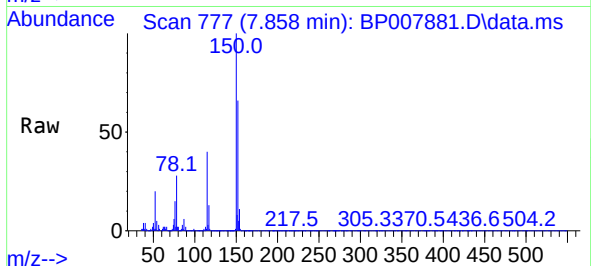




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.858 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

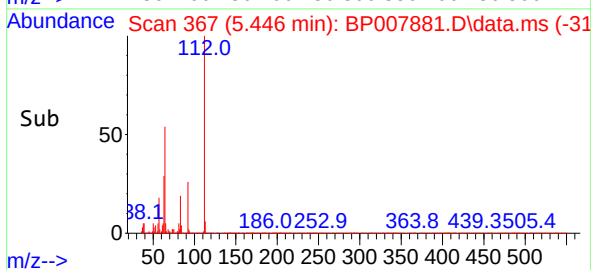
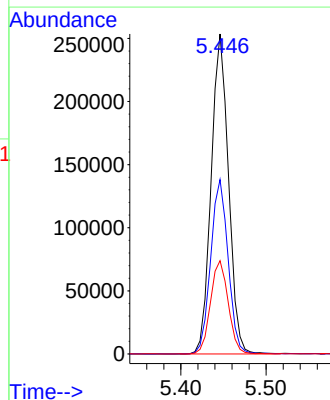
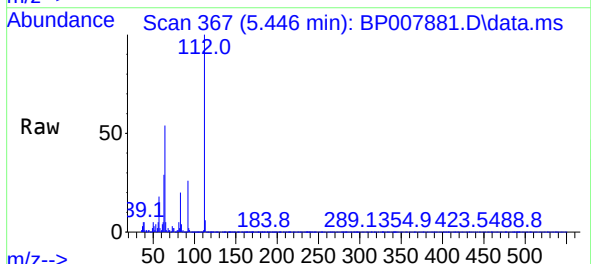
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

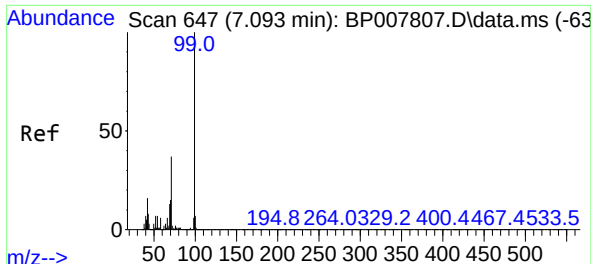
Tgt Ion:152 Resp: 131252  
Ion Ratio Lower Upper  
152 100  
150 152.3 124.1 186.1  
115 60.2 48.1 72.1



#5  
2-Fluorophenol  
Concen: 46.318 ng  
RT: 5.446 min Scan# 367  
Delta R.T. -0.006 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:112 Resp: 358468  
Ion Ratio Lower Upper  
112 100  
64 54.5 46.6 70.0  
63 29.2 25.0 37.6

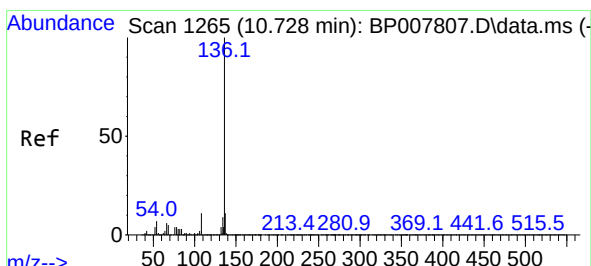
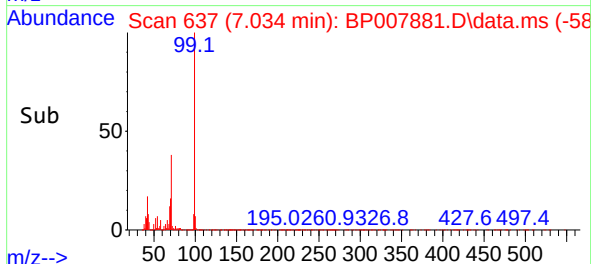
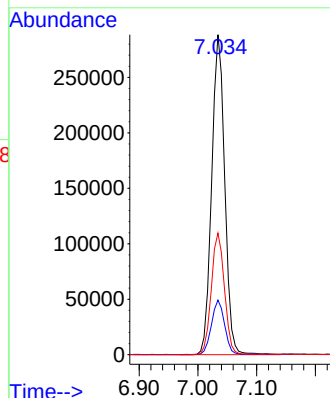
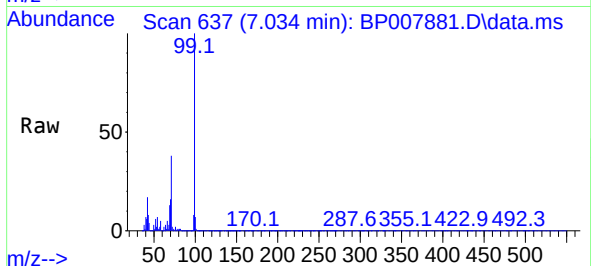




#7  
Phenol-d6  
Concen: 39.706 ng  
RT: 7.034 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

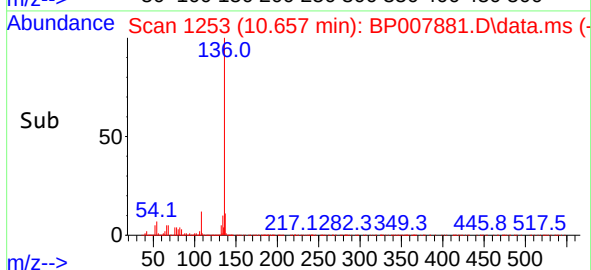
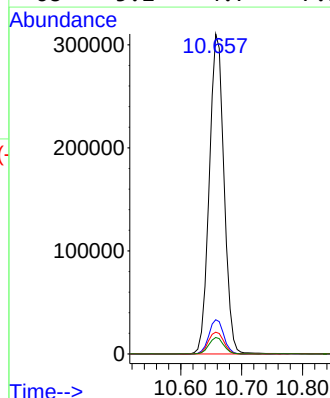
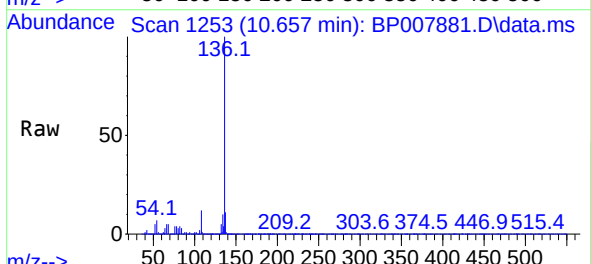
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

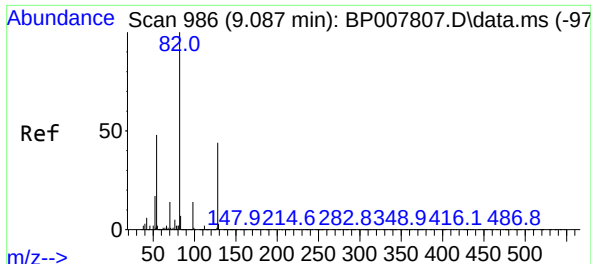
Tgt Ion: 99 Resp: 444770  
Ion Ratio Lower Upper  
99 100  
42 17.1 14.9 22.3  
71 38.0 29.2 43.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.657 min Scan# 1253  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion: 136 Resp: 521428  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 6.8 6.2 9.4  
68 5.2 4.7 7.1

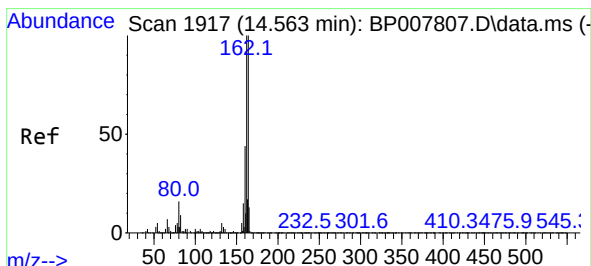
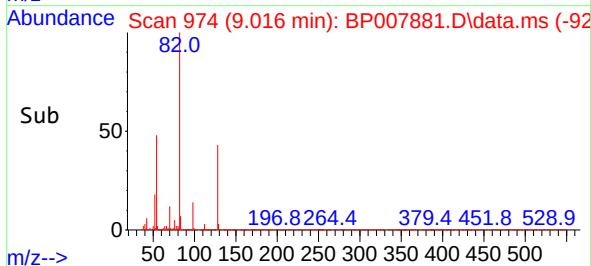
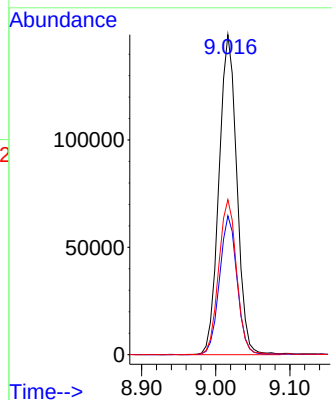
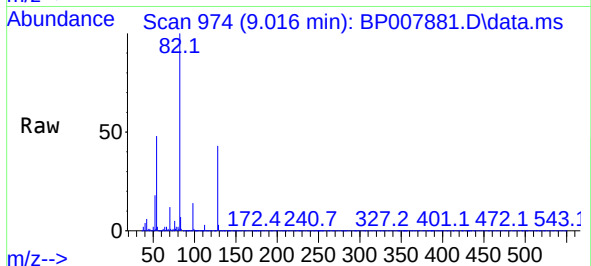




#23  
Nitrobenzene-d5  
Concen: 25.713 ng  
RT: 9.016 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

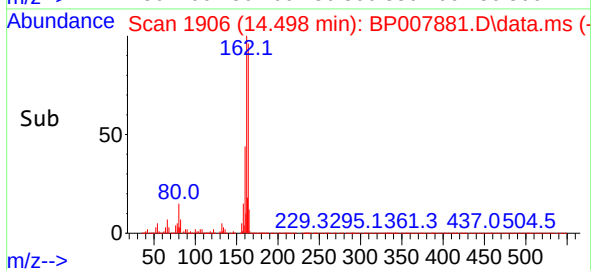
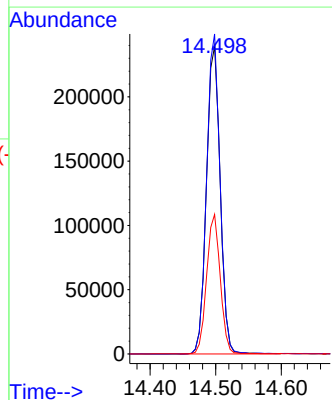
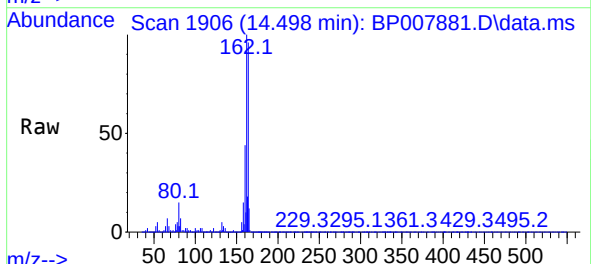
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

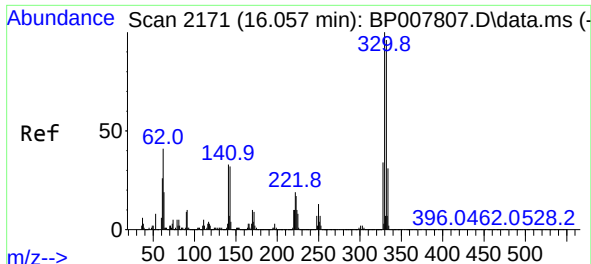
Tgt Ion: 82 Resp: 249592  
Ion Ratio Lower Upper  
82 100  
128 43.4 32.6 48.8  
54 48.4 40.4 60.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.498 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion: 164 Resp: 349502  
Ion Ratio Lower Upper  
164 100  
162 104.0 81.1 121.7  
160 45.4 36.0 54.0

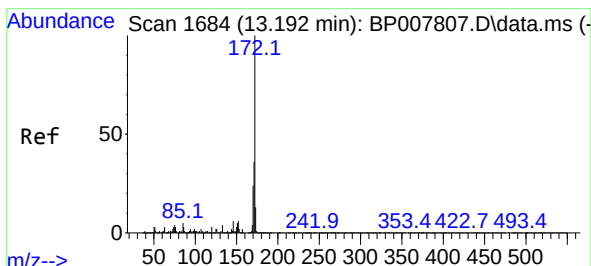
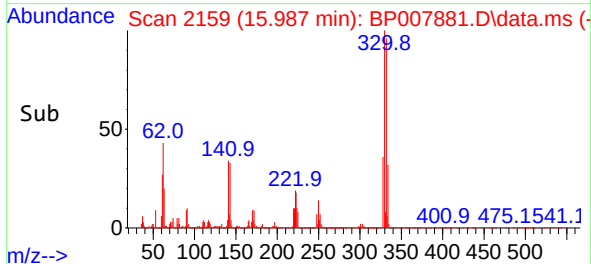
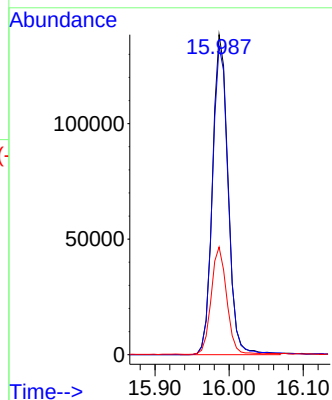
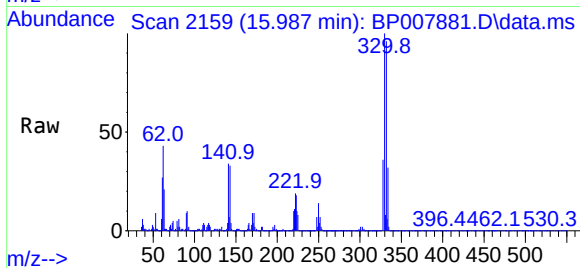




#42  
2,4,6-Tribromophenol  
Concen: 40.497 ng  
RT: 15.987 min Scan# 2171  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

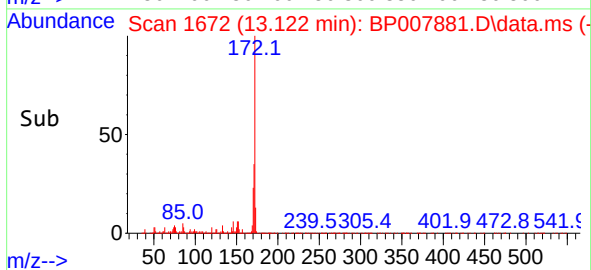
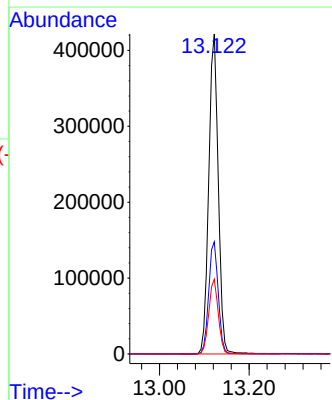
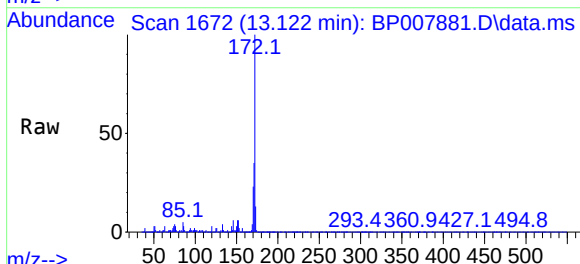
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

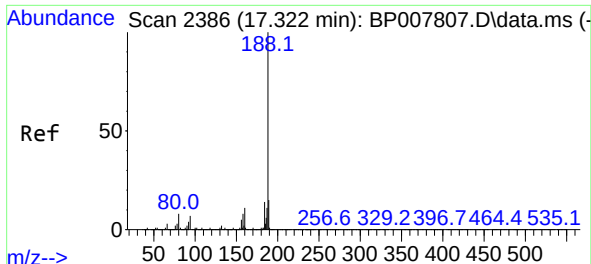
Tgt Ion:330 Resp: 201994  
Ion Ratio Lower Upper  
330 100  
332 98.1 78.9 118.3  
141 33.3 30.7 46.1



#45  
2-Fluorobiphenyl  
Concen: 25.846 ng  
RT: 13.122 min Scan# 1672  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:172 Resp: 620290  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.2 42.2  
170 23.4 19.0 28.4

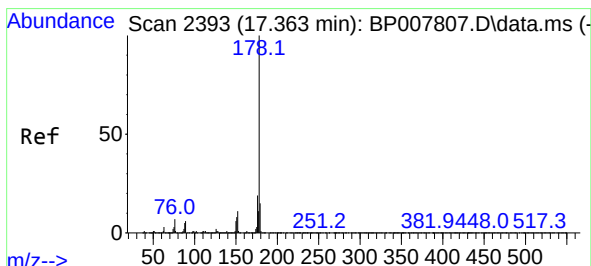
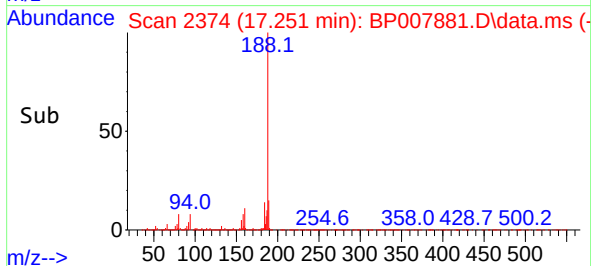
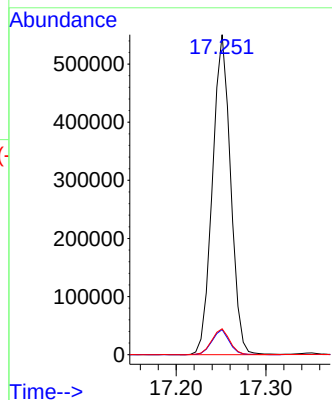
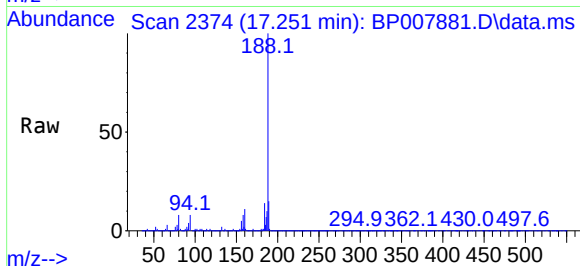




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

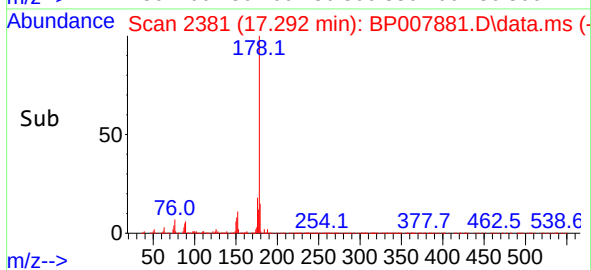
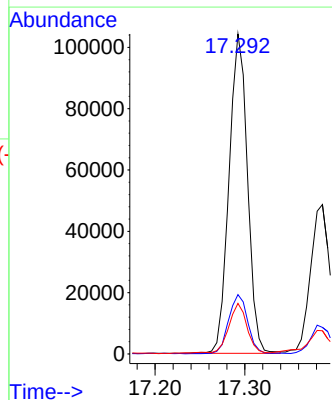
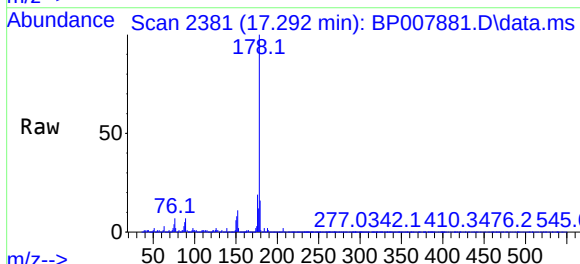
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

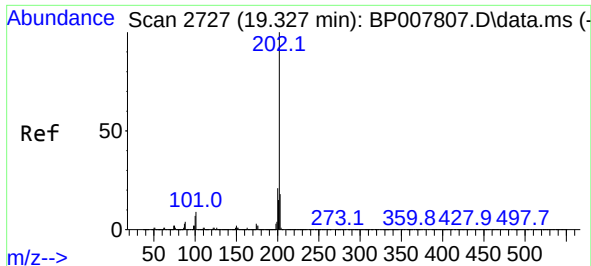
Tgt Ion:188 Resp: 773757  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.1 10.7  
80 8.1 7.8 11.6



#71  
Phenanthrene  
Concen: 3.663 ng  
RT: 17.292 min Scan# 2381  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:178 Resp: 148979  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.0  
179 15.8 12.3 18.5

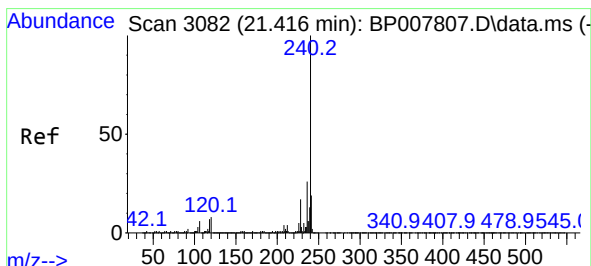
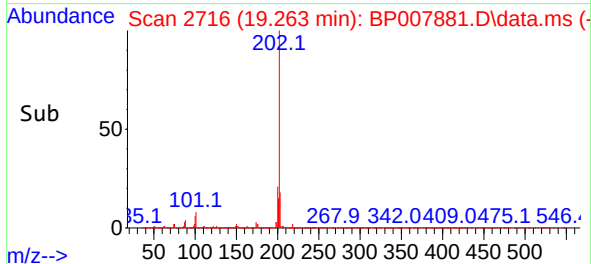
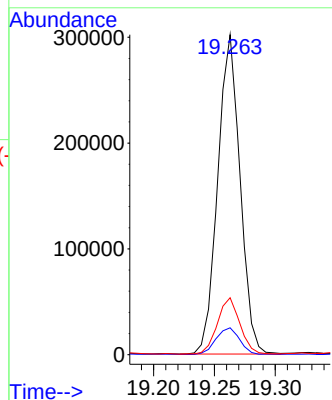
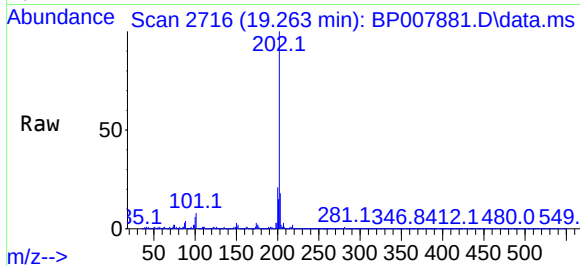




#75  
Fluoranthene  
Concen: 7.509 ng  
RT: 19.263 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

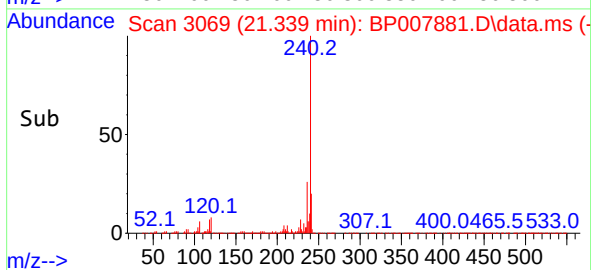
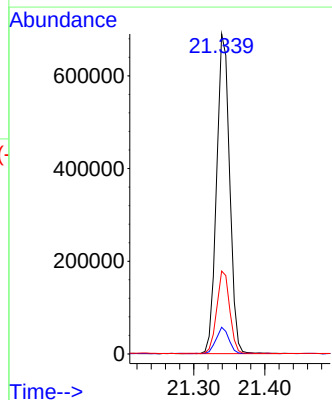
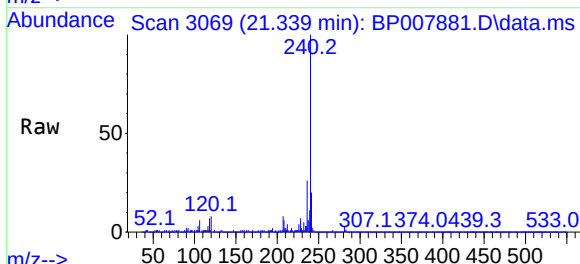
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 385276 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 8.4   | 0.0   | 30.4   |
| 203      | 17.8  | 0.0   | 37.6   |

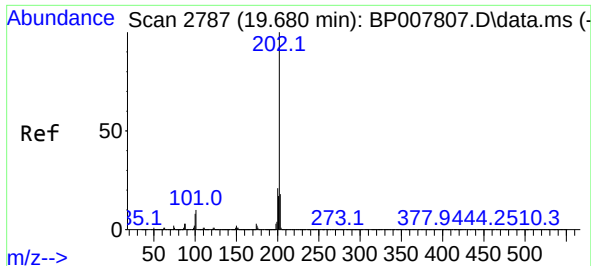


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.339 min Scan# 3069  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 875033 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 8.4   | 7.8   | 11.8   |
| 236      | 25.9  | 20.6  | 30.8   |



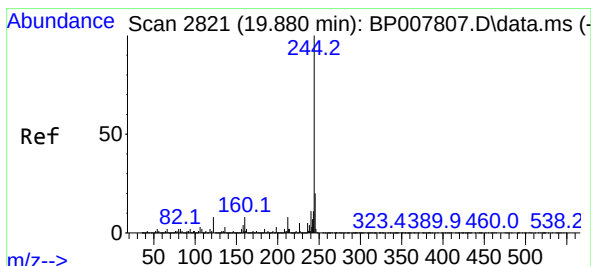
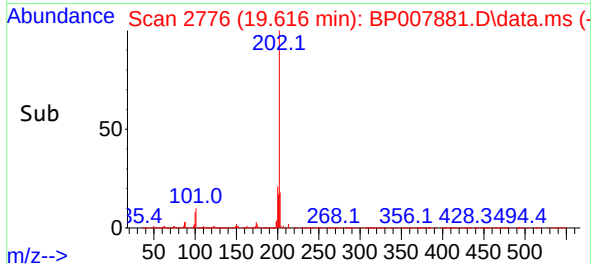
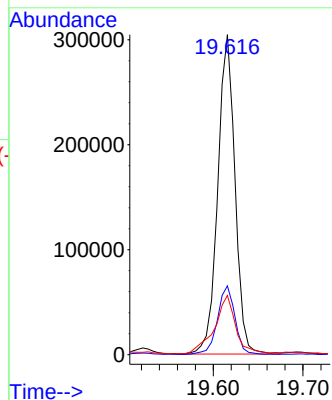
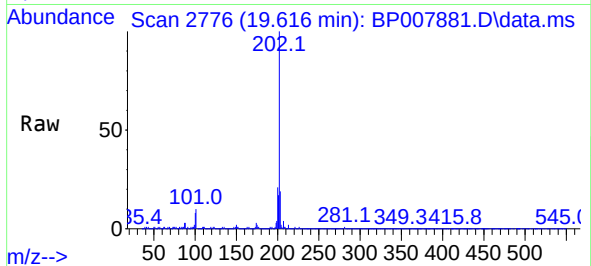




#78  
Pyrene  
Concen: 7.565 ng  
RT: 19.616 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

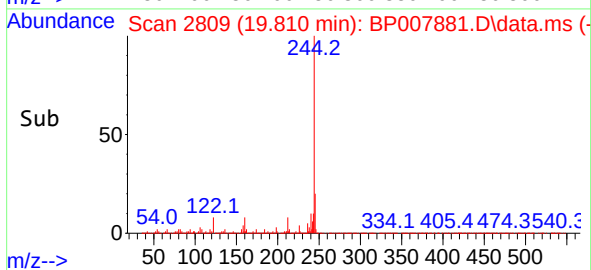
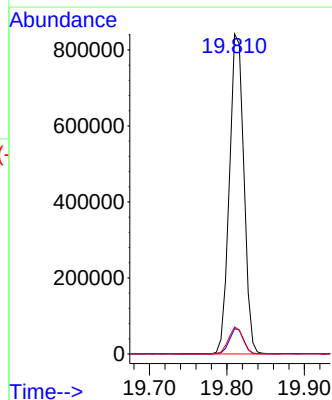
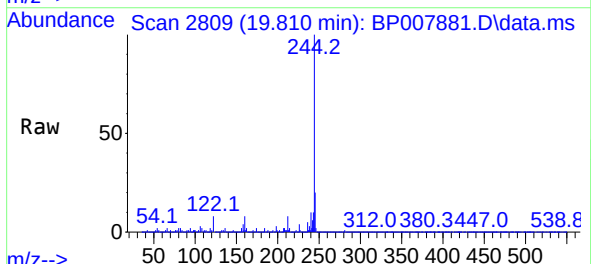
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

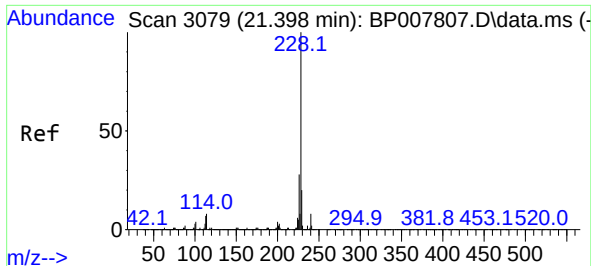
Tgt Ion:202 Resp: 406005  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.9 25.3  
203 18.5 13.8 20.6



#79  
Terphenyl-d14  
Concen: 25.456 ng  
RT: 19.810 min Scan# 2809  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:244 Resp: 1093899  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.2 9.2  
122 8.4 7.8 11.8

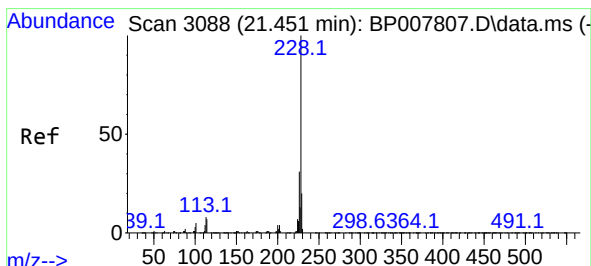
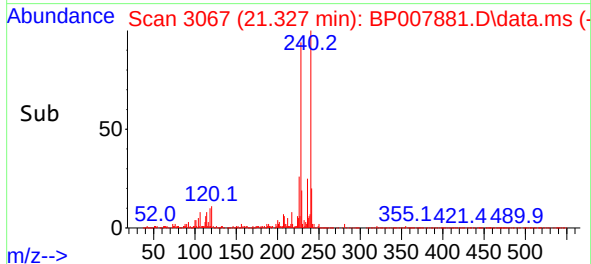
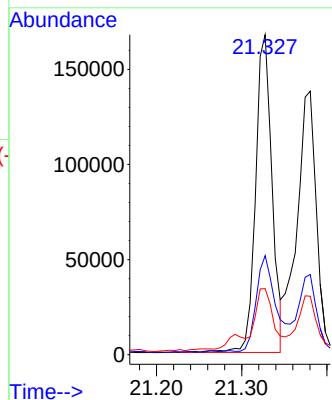
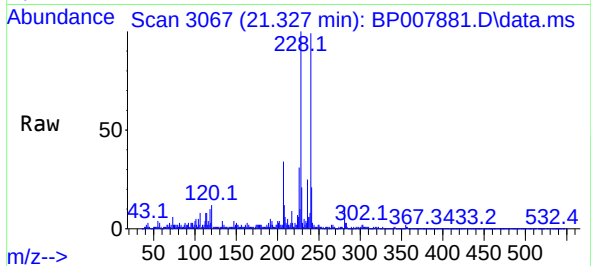




#81  
Benzo(a)anthracene  
Concen: 3.890 ng  
RT: 21.327 min Scan# 3076  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

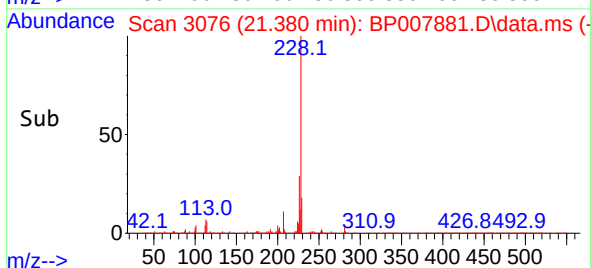
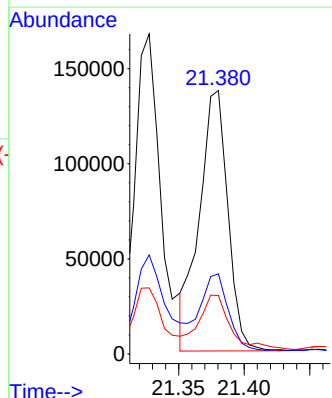
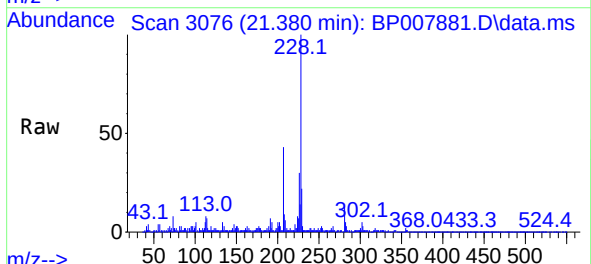
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

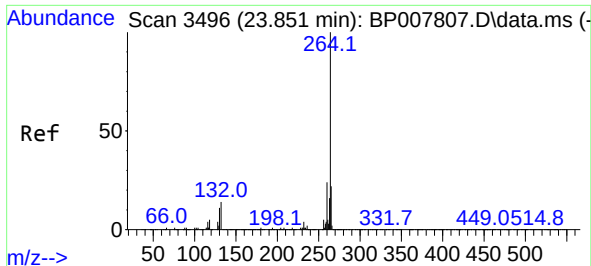
Tgt Ion:228 Resp: 224246  
Ion Ratio Lower Upper  
228 100  
226 31.0 21.8 32.6  
229 20.7 15.7 23.5



#83  
Chrysene  
Concen: 3.818 ng  
RT: 21.380 min Scan# 3076  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:228 Resp: 208350  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.6 37.0  
229 22.2 15.7 23.5



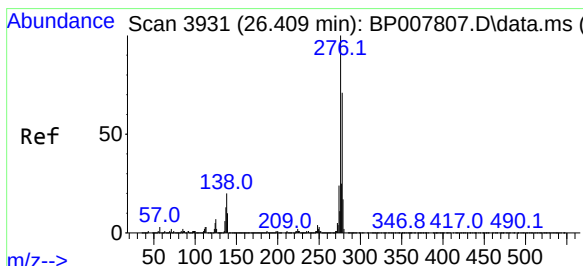
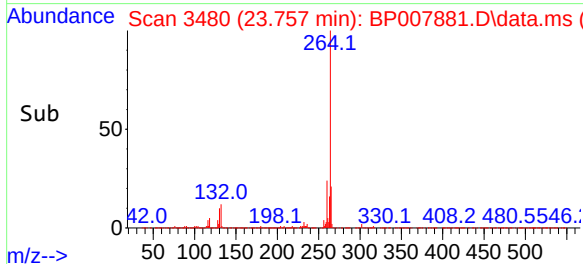
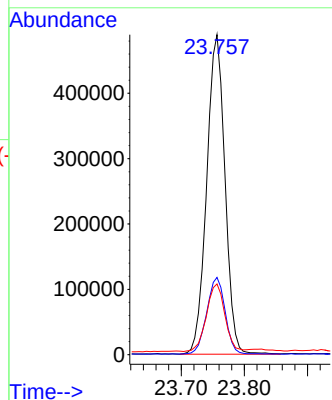
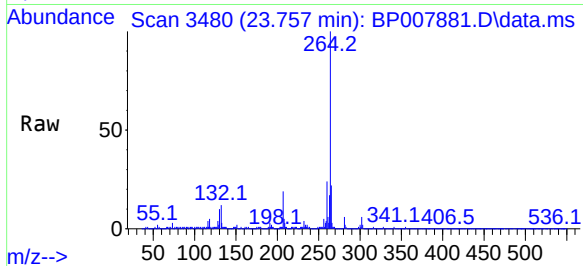


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.757 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

Tgt Ion:264 Resp: 982279  

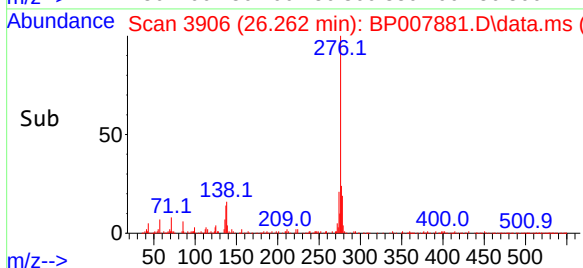
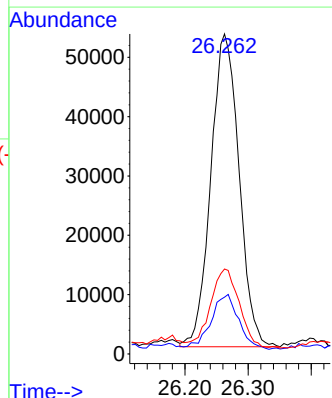
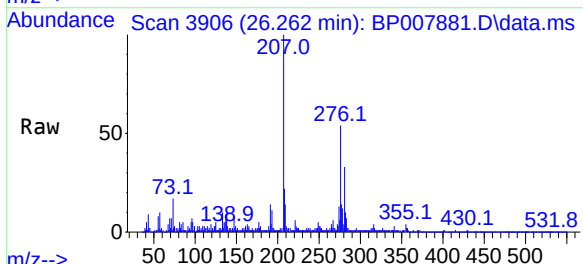
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.1  | 28.7  |
| 265 | 22.1  | 16.7  | 25.1  |

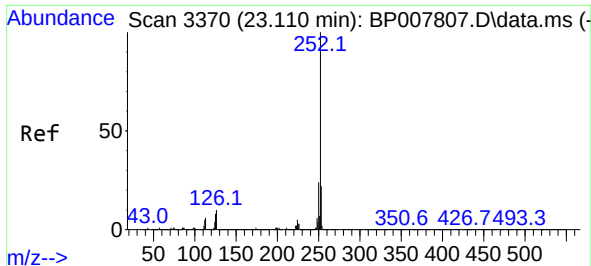


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.237 ng  
RT: 26.262 min Scan# 3906  
Delta R.T. -0.041 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Tgt Ion:276 Resp: 163818  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 17.4  | 19.4  | 29.0# |
| 277 | 25.4  | 20.2  | 30.2  |

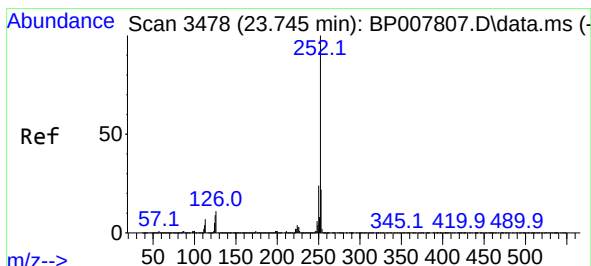
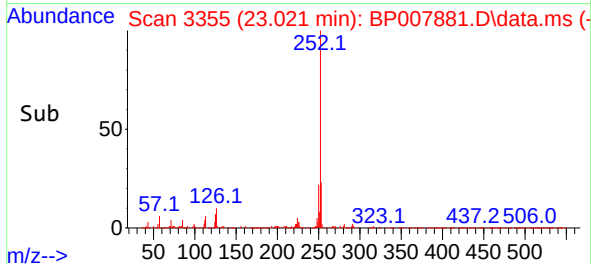
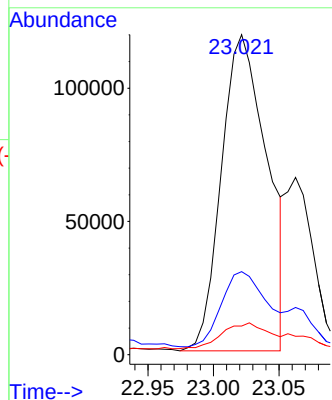
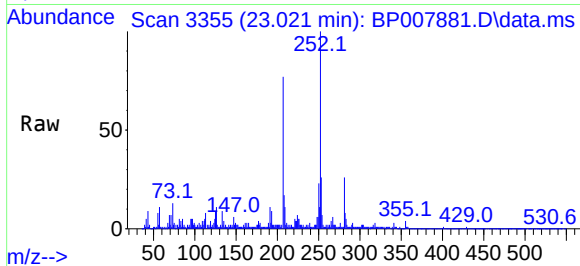




#88  
Benzo(b)fluoranthene  
Concen: 4.953 ng  
RT: 23.021 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

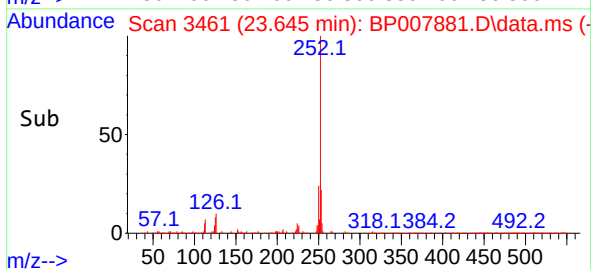
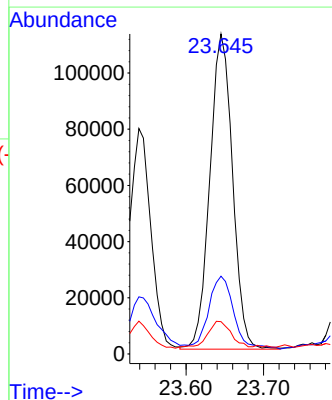
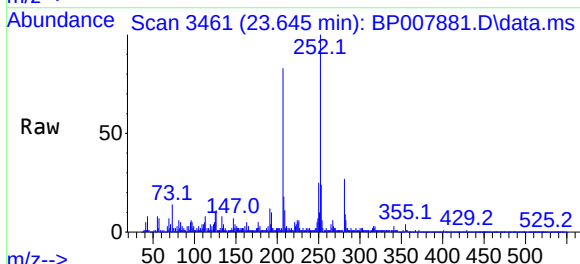
Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521

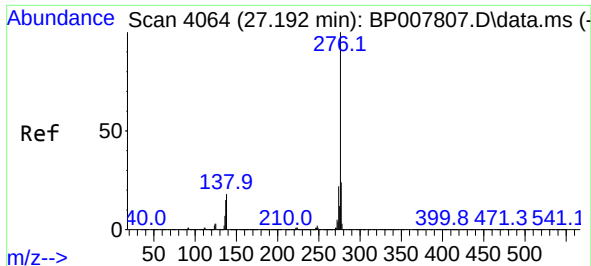
Tgt Ion:252 Resp: 286793  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.4 26.2  
125 8.9 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 4.558 ng  
RT: 23.645 min Scan# 3461  
Delta R.T. -0.023 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

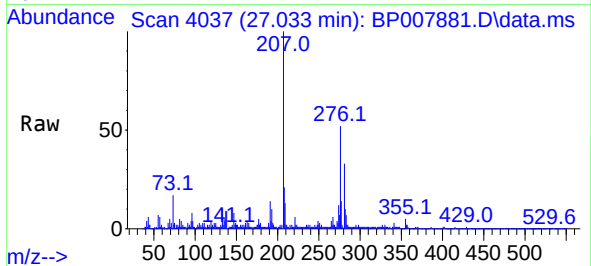
Tgt Ion:252 Resp: 228523  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.6 26.4  
125 10.1 8.4 12.6





#92  
Benzo(g,h,i)perylene  
Concen: 2.921 ng  
RT: 27.033 min Scan# 40  
Delta R.T. -0.047 min  
Lab File: BP007881.D  
Acq: 09 Nov 2021 02:36

Instrument :  
BNA\_P  
ClientSampleId :  
OR-02-110521



Tgt Ion:276 Resp: 175876  
Ion Ratio Lower Upper  
276 100  
277 26.6 19.4 29.0  
138 17.4 16.2 24.4

