

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082021\  
 Data File : BP006818.D  
 Acq On : 21 Aug 2021 01:28  
 Operator : CG/JU  
 Sample : M3434-37  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Aug 21 03:00:07 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 20 11:25:25 2021  
 Response via : Initial Calibration

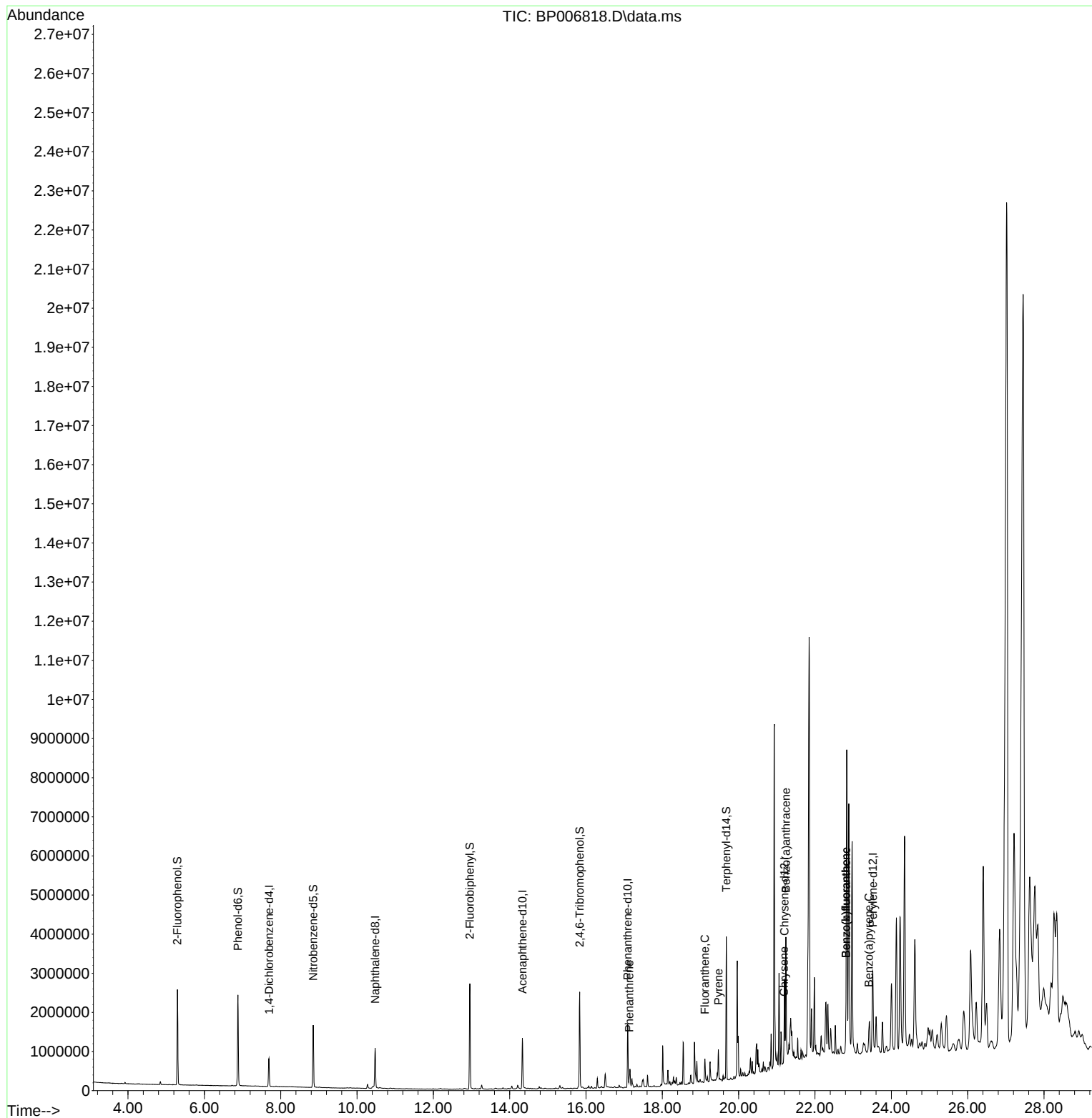
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.693  | 152  | 185026   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.475 | 136  | 773945   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.334 | 164  | 429833   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.092 | 188  | 854076   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.204 | 240  | 889236   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 23.516 | 264  | 990383   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.293  | 112  | 1058889  | 87.901 | ng    | 0.00     |
| 7) Phenol-d6                | 6.881  | 99   | 1306553  | 76.352 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.852  | 82   | 935802   | 55.811 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.834 | 330  | 383453   | 85.359 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.957 | 172  | 1297138  | 45.150 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.675 | 244  | 1506602  | 33.949 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.134 | 178  | 136132   | 2.826  | ng    | 98       |
| 75) Fluoranthene            | 19.116 | 202  | 297843   | 5.508  | ng    | 95       |
| 78) Pyrene                  | 19.469 | 202  | 285719   | 4.810  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.239 | 228  | 148019   | 2.547  | ng    | 93       |
| 83) Chrysene                | 21.186 | 228  | 114593   | 2.034  | ng    | 93       |
| 88) Benzo(b)fluoranthene    | 22.810 | 252  | 287529   | 4.467  | ng    | # 86     |
| 89) Benzo(k)fluoranthene    | 22.810 | 252  | 287529   | 4.653  | ng    | # 86     |
| 90) Benzo(a)pyrene          | 23.410 | 252  | 136044   | 2.356  | ng    | # 82     |
| -----                       |        |      |          |        |       |          |

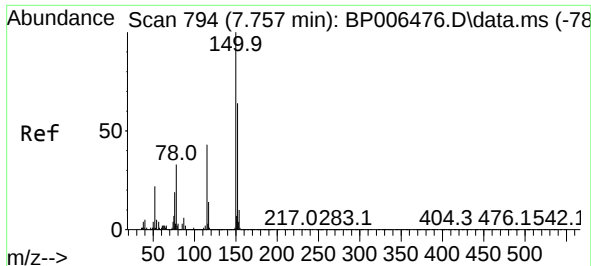
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082021\  
Data File : BP006818.D  
Acq On : 21 Aug 2021 01:28  
Operator : CG/JU  
Sample : M3434-37  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Aug 21 03:00:07 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 20 11:25:25 2021  
Response via : Initial Calibration

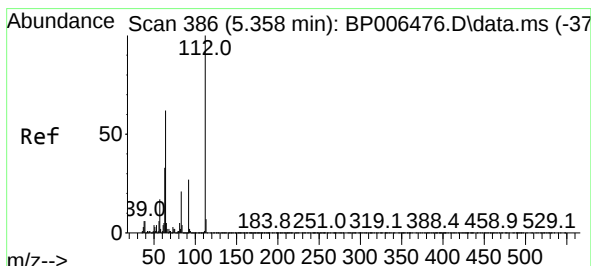
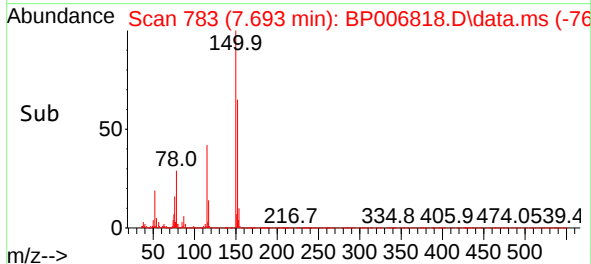
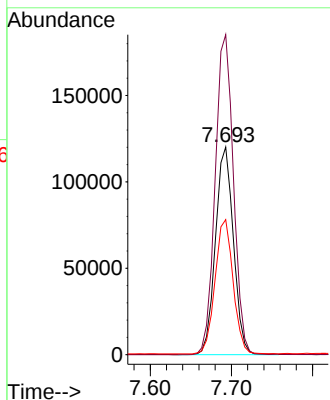
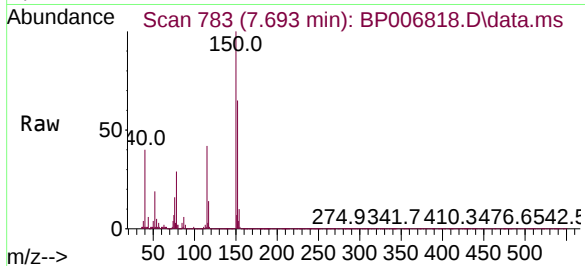




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.693 min Scan# 783  
 Delta R.T. -0.000 min  
 Lab File: BP006818.D  
 Acq: 21 Aug 2021 01:28

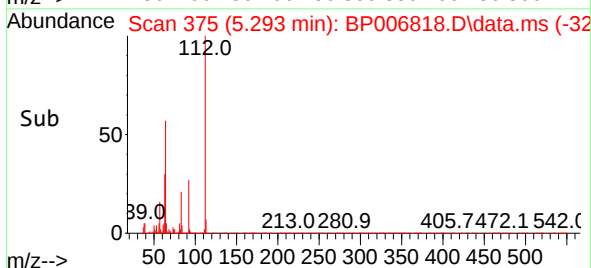
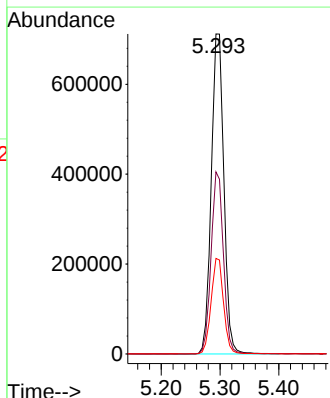
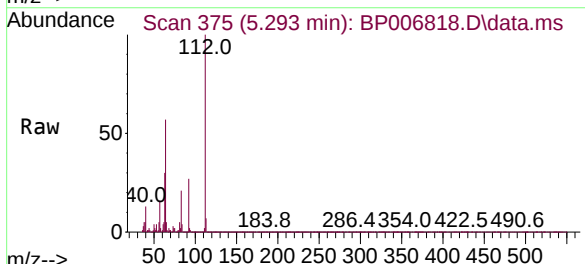
Instrument :  
 BNA\_P  
 ClientSampleId :

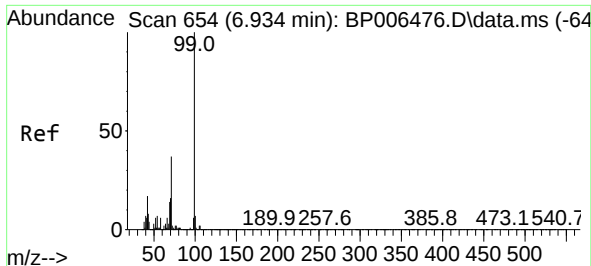
Tgt Ion:152 Resp: 185026  
 Ion Ratio Lower Upper  
 152 100  
 150 154.1 125.6 188.4  
 115 65.0 48.5 72.7



#5  
 2-Fluorophenol  
 Concen: 87.901 ng  
 RT: 5.293 min Scan# 375  
 Delta R.T. 0.000 min  
 Lab File: BP006818.D  
 Acq: 21 Aug 2021 01:28

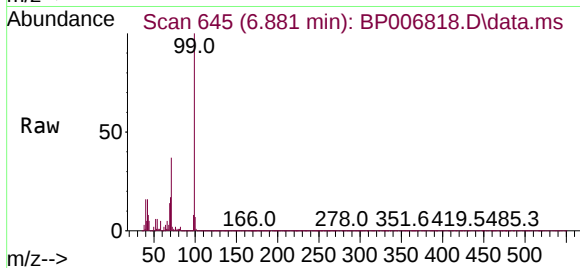
Tgt Ion:112 Resp: 1058889  
 Ion Ratio Lower Upper  
 112 100  
 64 56.9 41.4 62.2  
 63 29.9 23.8 35.8





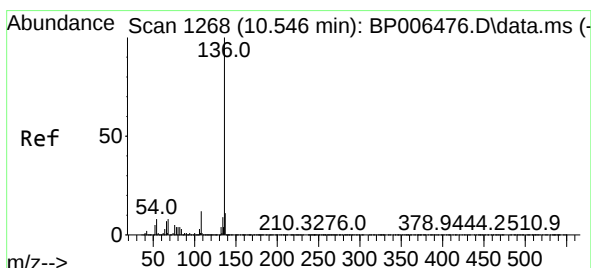
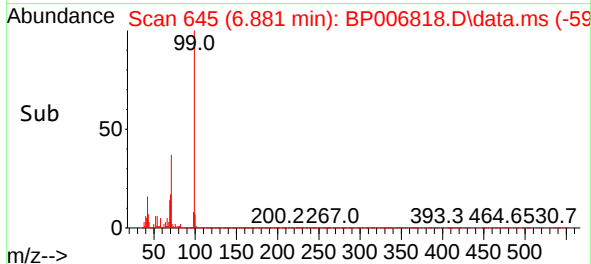
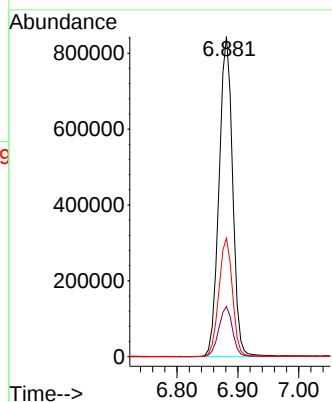
#7  
Phenol-d6  
Concen: 76.352 ng  
RT: 6.881 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Instrument :  
BNA\_P  
ClientSampleId :



Tgt Ion: 99 Resp: 1306553

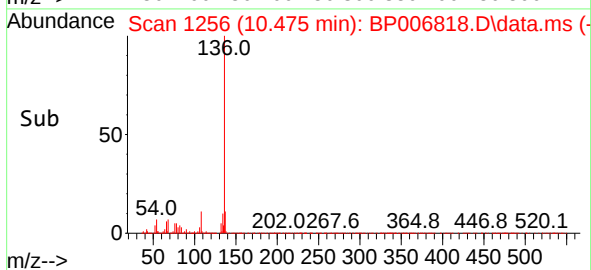
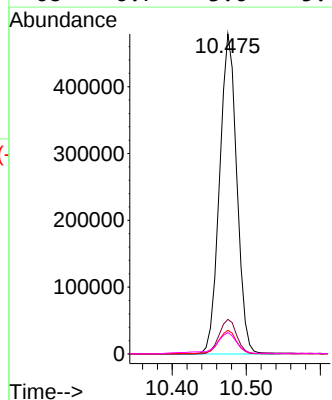
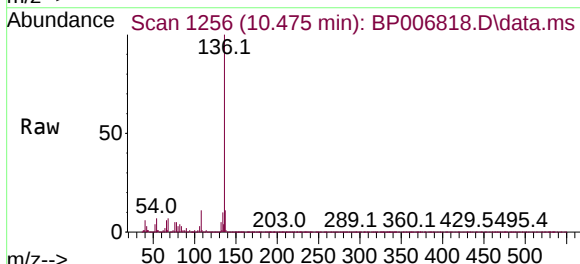
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.7  | 13.4  | 20.0  |
| 71  | 37.0  | 30.6  | 46.0  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.475 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion: 136 Resp: 773945

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 12.8  |
| 54  | 7.4   | 4.6   | 6.8#  |
| 68  | 6.7   | 3.6   | 5.4#  |

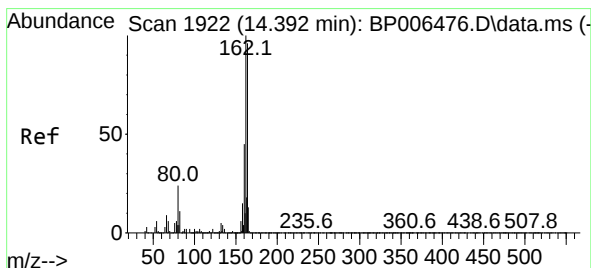
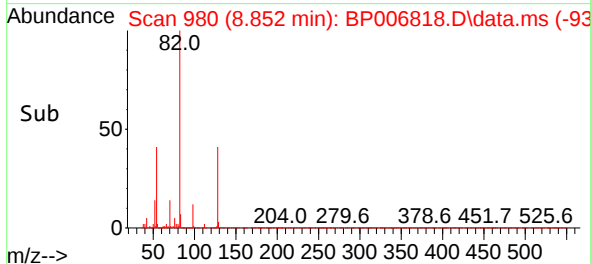
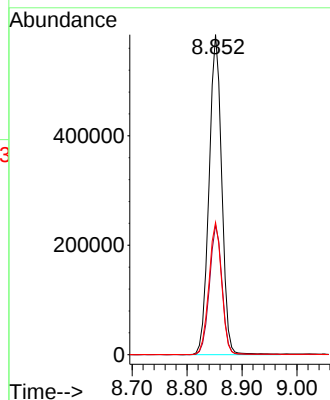
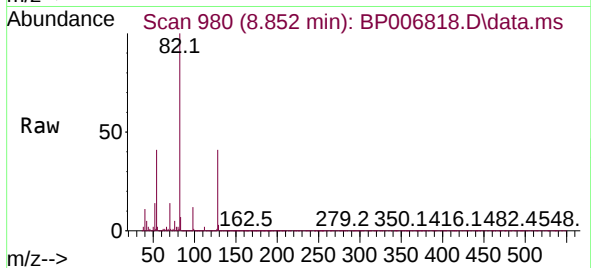




#23  
Nitrobenzene-d5  
Concen: 55.811 ng  
RT: 8.852 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

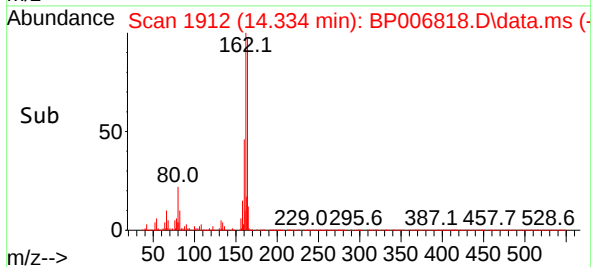
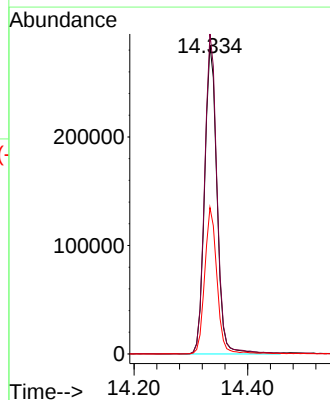
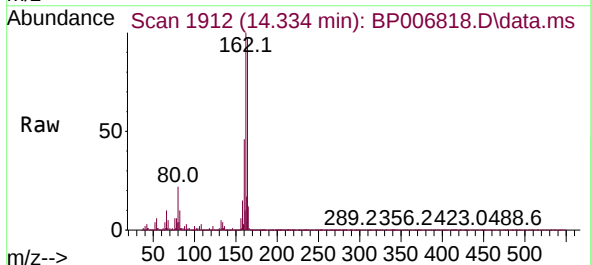
Instrument :  
BNA\_P  
ClientSampleId :

Tgt Ion: 82 Resp: 935802  
Ion Ratio Lower Upper  
82 100  
128 40.5 35.7 53.5  
54 41.4 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion: 164 Resp: 429833  
Ion Ratio Lower Upper  
164 100  
162 103.6 80.2 120.2  
160 47.4 34.5 51.7

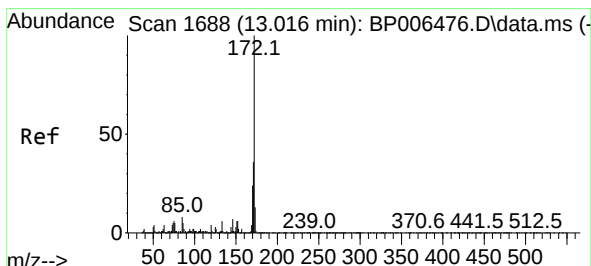
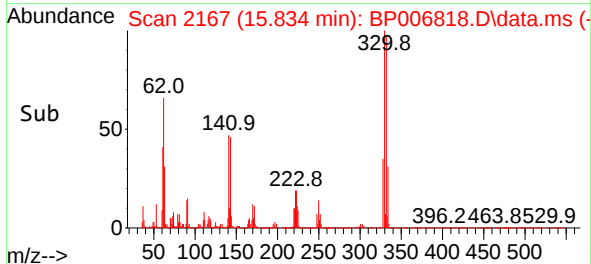
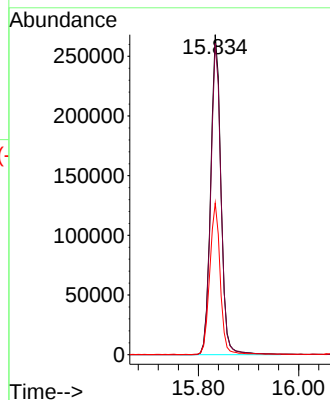
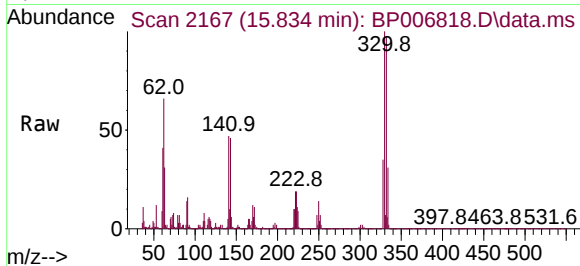




#42  
2,4,6-Tribromophenol  
Concen: 85.359 ng  
RT: 15.834 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

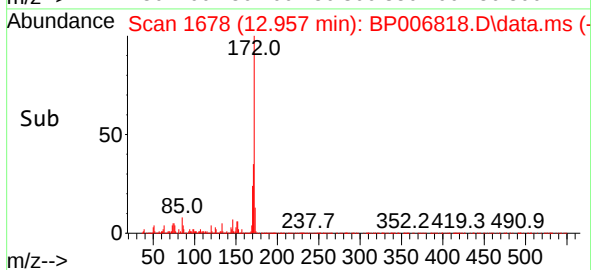
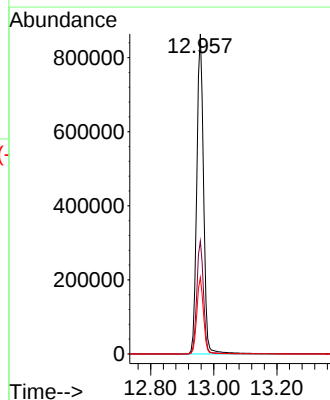
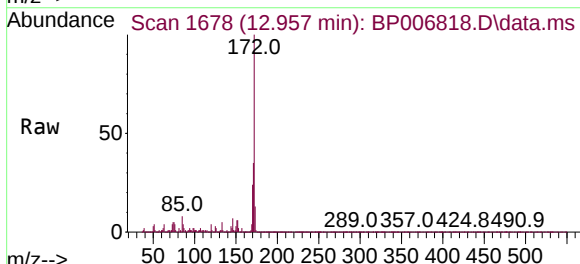
Instrument :  
BNA\_P  
ClientSampleId :

Tgt Ion:330 Resp: 383453  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.8 116.8  
141 48.1 25.4 38.2#



#45  
2-Fluorobiphenyl  
Concen: 45.150 ng  
RT: 12.957 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:172 Resp: 1297138  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.9 41.9  
170 23.9 18.6 27.8

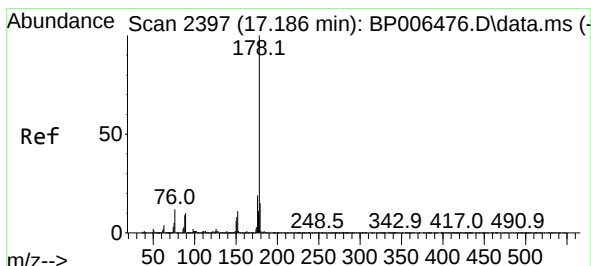
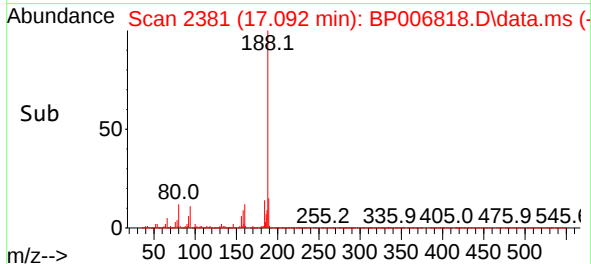
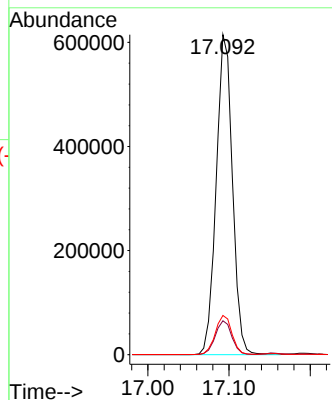
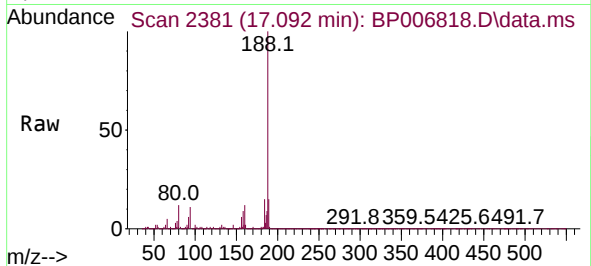




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.092 min Scan# 2381  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

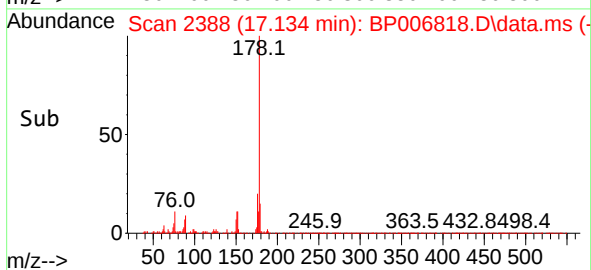
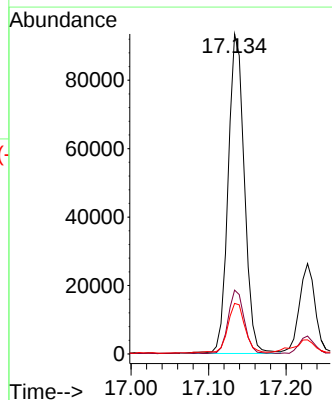
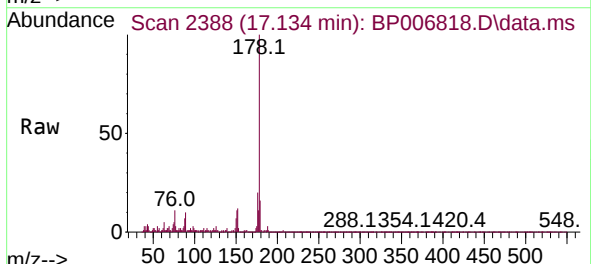
Instrument :  
BNA\_P  
ClientSampleId :

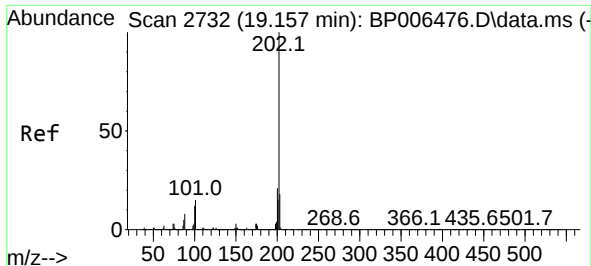
Tgt Ion:188 Resp: 854076  
Ion Ratio Lower Upper  
188 100  
94 10.6 5.6 8.4#  
80 12.3 6.3 9.5#



#71  
Phenanthrene  
Concen: 2.826 ng  
RT: 17.134 min Scan# 2388  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:178 Resp: 136132  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.1 22.7  
179 15.8 12.4 18.6

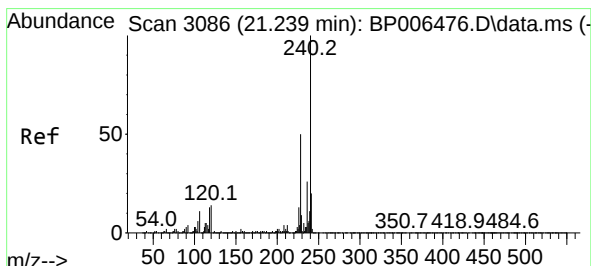
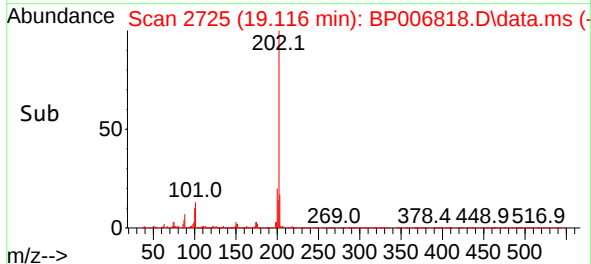
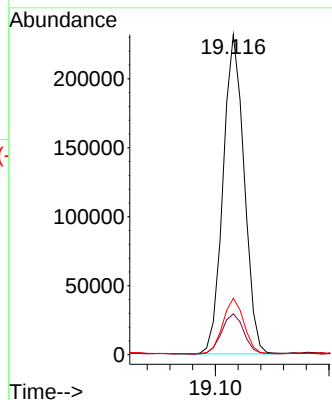
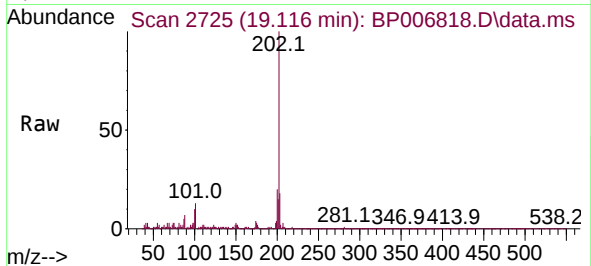




#75  
Fluoranthene  
Concen: 5.508 ng  
RT: 19.116 min Scan# 2725  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

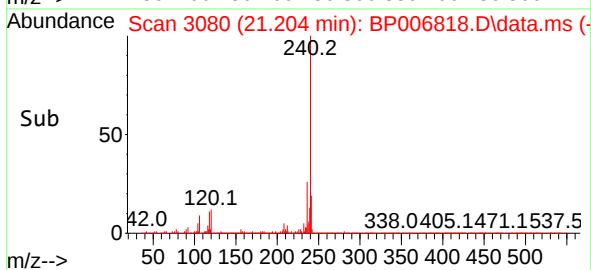
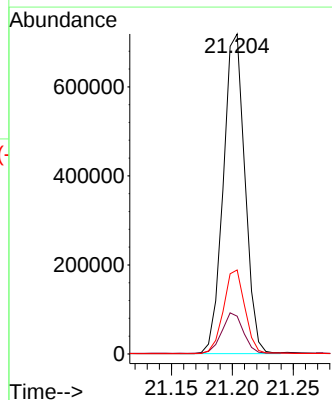
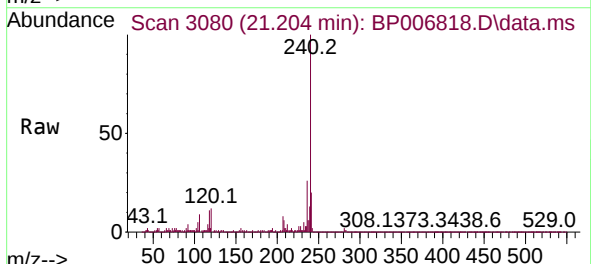
Instrument :  
BNA\_P  
ClientSampleId :

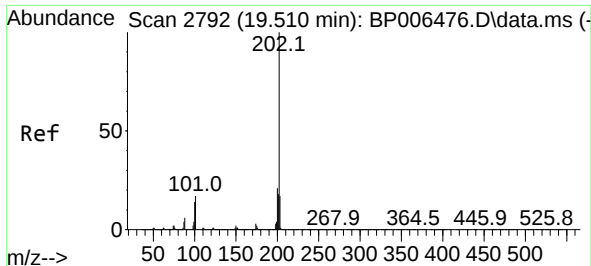
Tgt Ion:202 Resp: 297843  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 27.6  
203 17.6 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. 0.000 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:240 Resp: 889236  
Ion Ratio Lower Upper  
240 100  
120 11.8 6.5 9.7#  
236 26.2 20.6 31.0

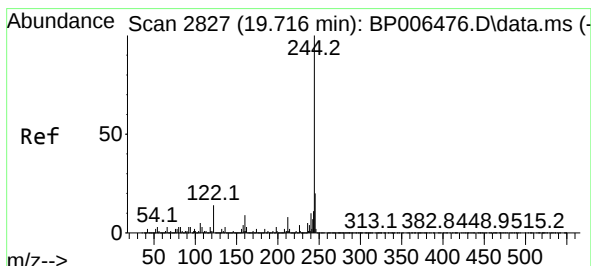
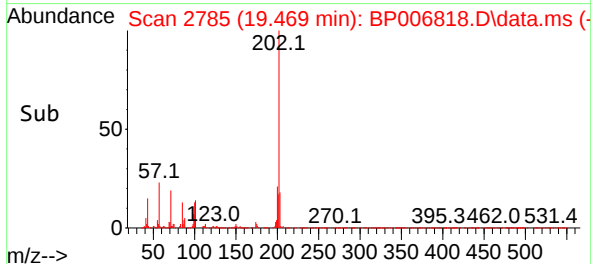
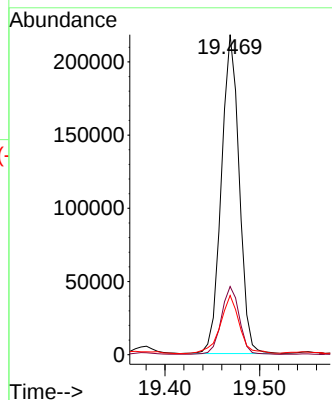
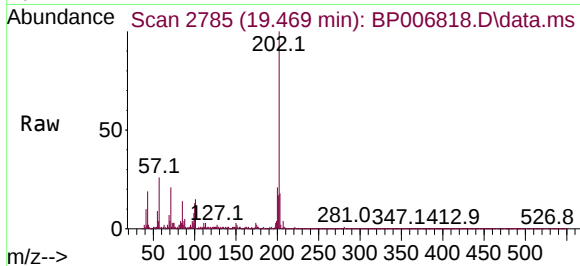




#78  
Pyrene  
Concen: 4.810 ng  
RT: 19.469 min Scan# 2785  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

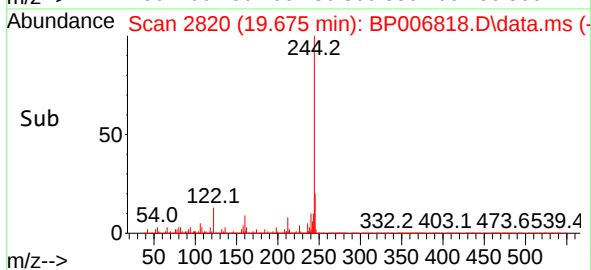
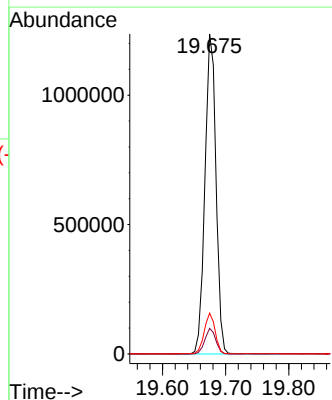
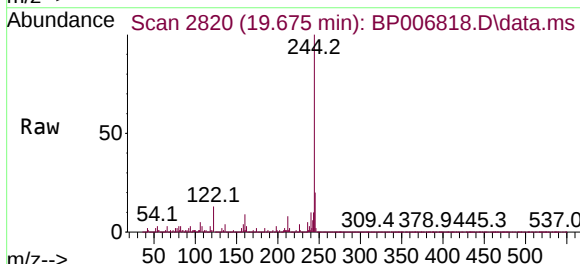
Instrument :  
BNA\_P  
ClientSampleId :

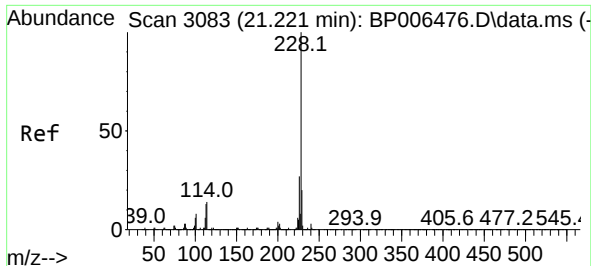
Tgt Ion:202 Resp: 285719  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.3 24.5  
203 18.5 14.2 21.2



#79  
Terphenyl-d14  
Concen: 33.949 ng  
RT: 19.675 min Scan# 2820  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:244 Resp: 1506602  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.0 9.0  
122 12.7 7.1 10.7#

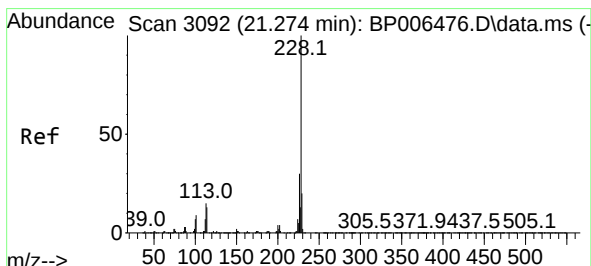
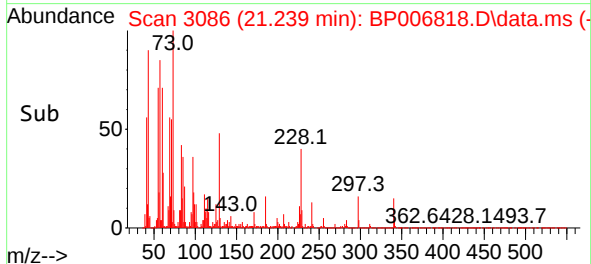
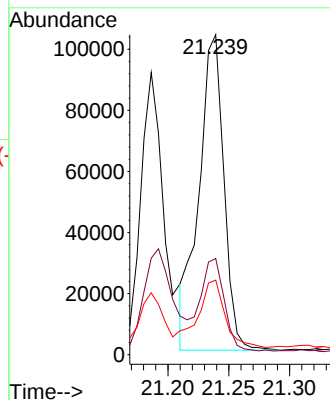
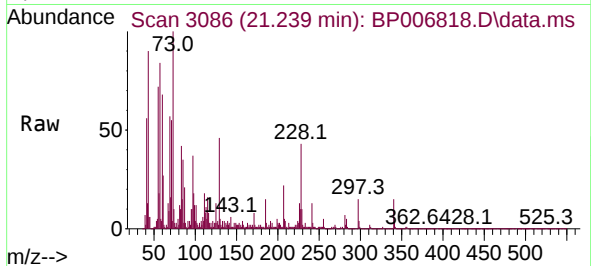




#81  
Benzo(a)anthracene  
Concen: 2.547 ng  
RT: 21.239 min Scan# 3086  
Delta R.T. 0.047 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

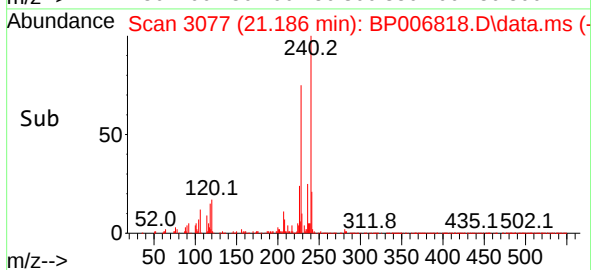
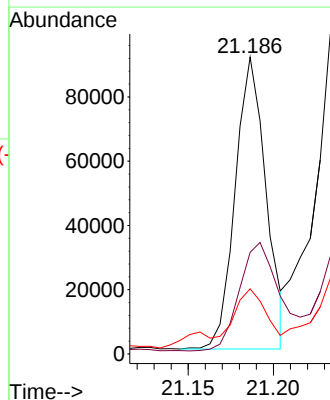
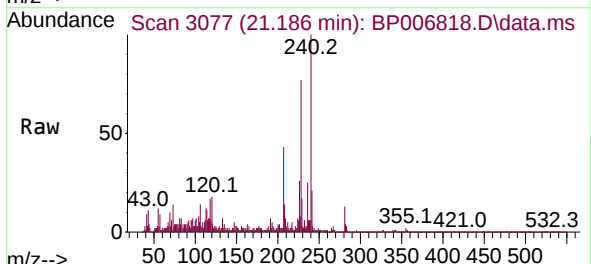
Instrument :  
BNA\_P  
ClientSampled :

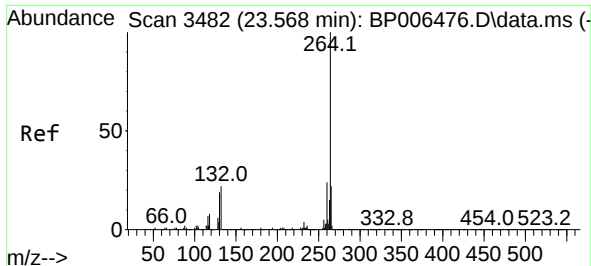
Tgt Ion:228 Resp: 148019  
Ion Ratio Lower Upper  
228 100  
226 30.1 21.6 32.4  
229 23.3 15.8 23.6



#83  
Chrysene  
Concen: 2.034 ng  
RT: 21.186 min Scan# 3077  
Delta R.T. -0.059 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:228 Resp: 114593  
Ion Ratio Lower Upper  
228 100  
226 34.2 23.8 35.6  
229 21.9 15.4 23.2

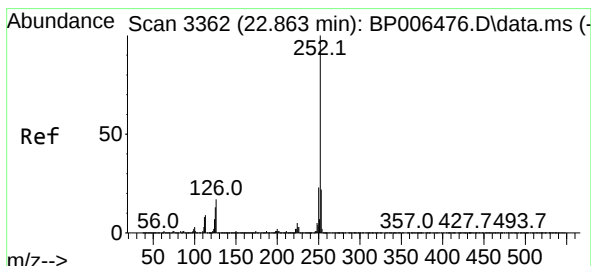
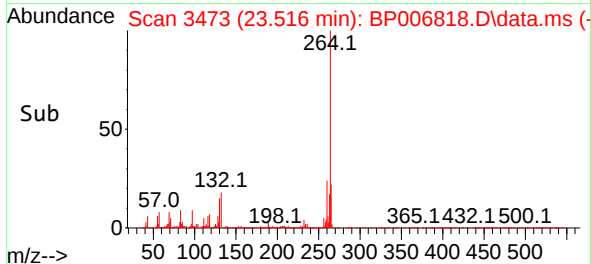
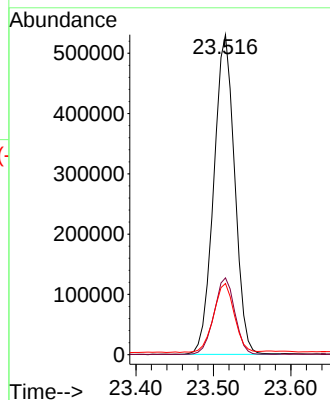
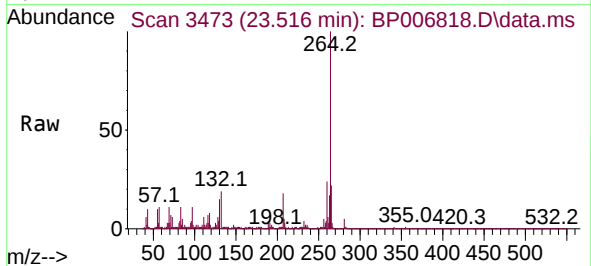




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.516 min Scan# 3473  
Delta R.T. 0.000 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

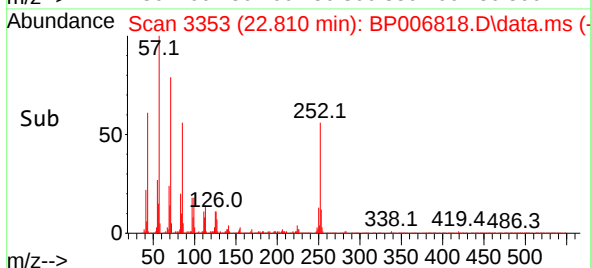
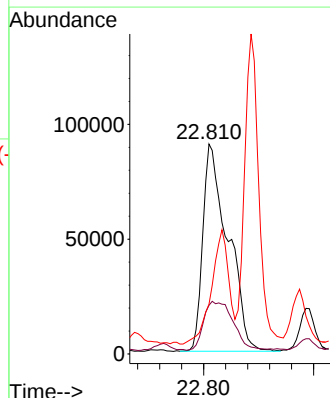
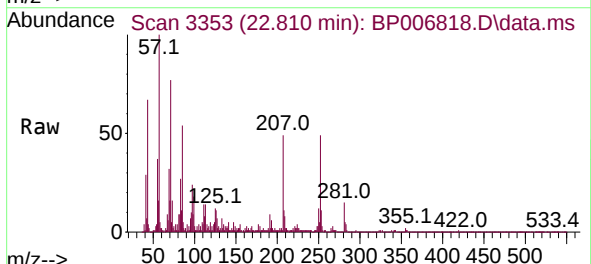
Instrument :  
BNA\_P  
ClientSampled :

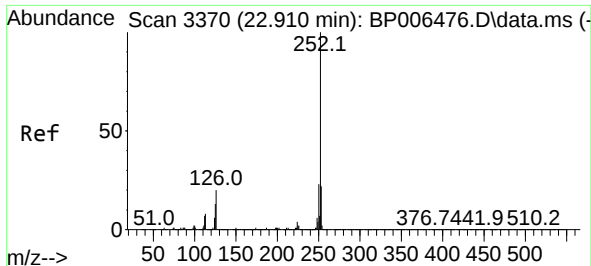
Tgt Ion:264 Resp: 990383  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.6 28.0  
265 22.3 17.6 26.4



#88  
Benzo(b)fluoranthene  
Concen: 4.467 ng  
RT: 22.810 min Scan# 3353  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:252 Resp: 287529  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.5 26.3  
125 23.7 6.2 9.4#

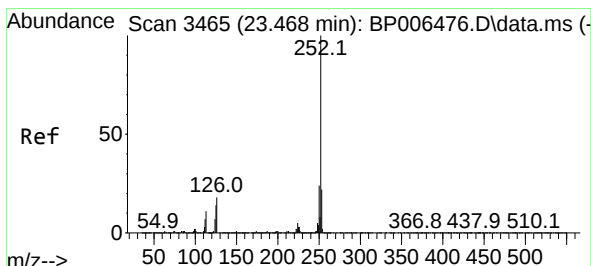
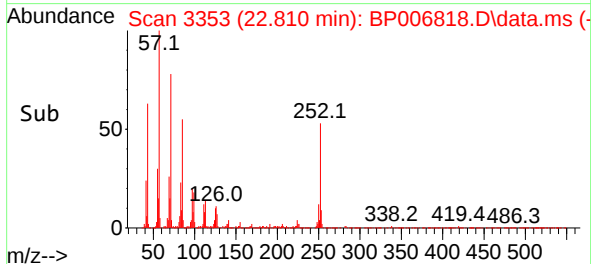
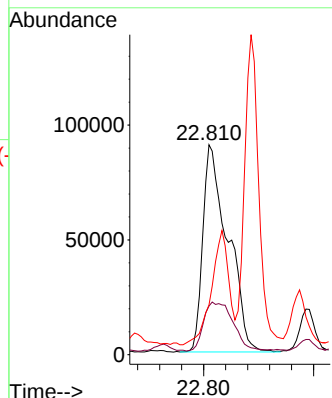
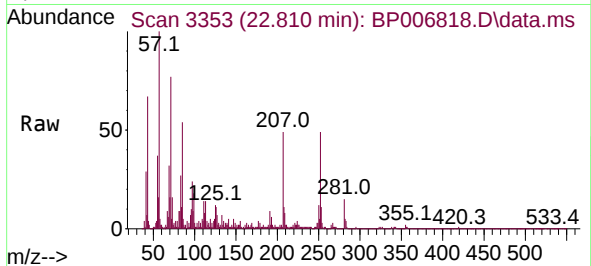




#89  
Benzo(k)fluoranthene  
Concen: 4.653 ng  
RT: 22.810 min Scan# 3353  
Delta R.T. -0.053 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Instrument :  
BNA\_P  
ClientSampleId :

Tgt Ion:252 Resp: 287529  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.6 26.4  
125 23.7 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 2.356 ng  
RT: 23.410 min Scan# 3455  
Delta R.T. -0.006 min  
Lab File: BP006818.D  
Acq: 21 Aug 2021 01:28

Tgt Ion:252 Resp: 136044  
Ion Ratio Lower Upper  
252 100  
253 25.1 17.9 26.9  
125 26.8 6.5 9.7#

