

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082021\  
 Data File : BP006815.D  
 Acq On : 20 Aug 2021 23:46  
 Operator : CG/JU  
 Sample : M3434-39  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-15-1015

Quant Time: Aug 21 01:00:47 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

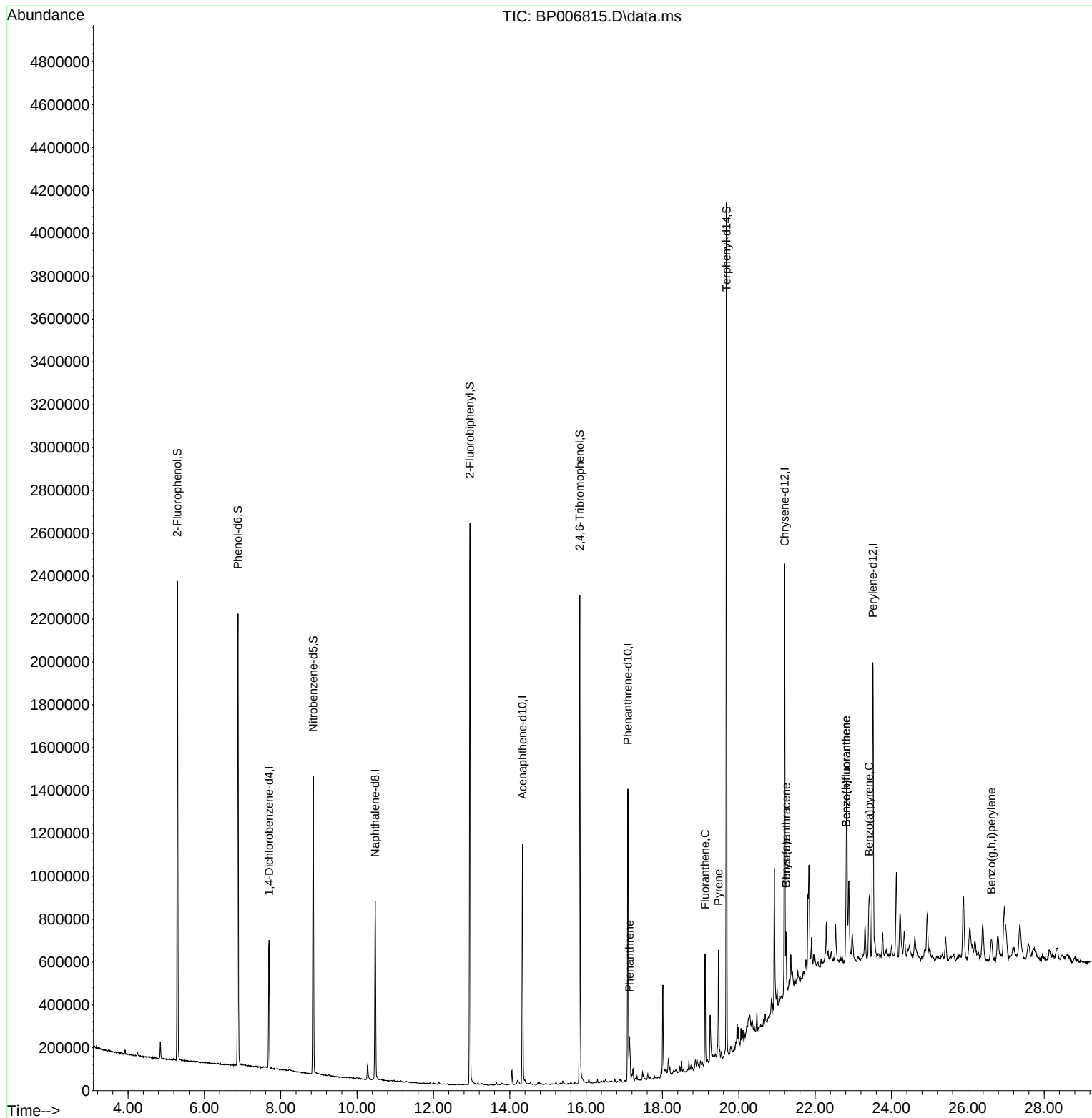
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.693  | 152  | 153855   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.475 | 136  | 650716   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.334 | 164  | 365200   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.092 | 188  | 737923   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.204 | 240  | 806998   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 23.510 | 264  | 899650   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.293  | 112  | 940285   | 93.869 | ng    | 0.00     |
| 7) Phenol-d6                | 6.881  | 99   | 1172948  | 82.432 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.852  | 82   | 825295   | 58.541 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.834 | 330  | 350382   | 91.801 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.957 | 172  | 1260312  | 51.632 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.675 | 244  | 1613151  | 40.055 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.134 | 178  | 105856   | 2.543  | ng    | 100      |
| 75) Fluoranthene            | 19.116 | 202  | 269272   | 5.764  | ng    | 95       |
| 78) Pyrene                  | 19.469 | 202  | 256161   | 4.752  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.239 | 228  | 141364   | 2.680  | ng    | 96       |
| 83) Chrysene                | 21.239 | 228  | 141364   | 2.765  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 22.810 | 252  | 208997   | 3.574  | ng    | # 93     |
| 89) Benzo(k)fluoranthene    | 22.810 | 252  | 208997   | 3.723  | ng    | # 93     |
| 90) Benzo(a)pyrene          | 23.410 | 252  | 144970   | 2.764  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene    | 26.615 | 276  | 126639   | 2.343  | ng    | # 91     |
| -----                       |        |      |          |        |       |          |

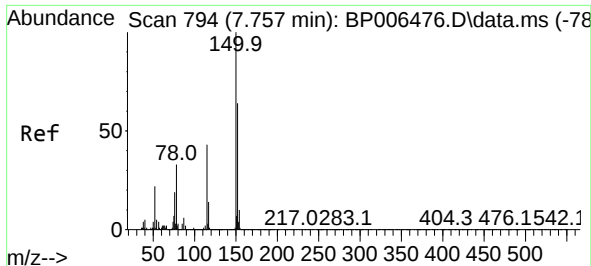
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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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

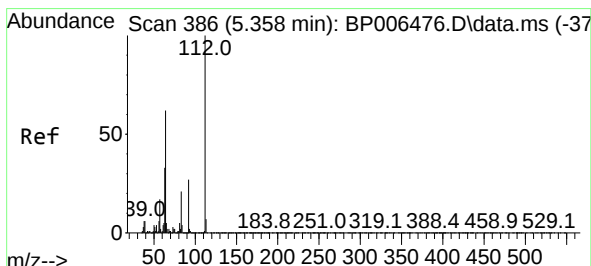
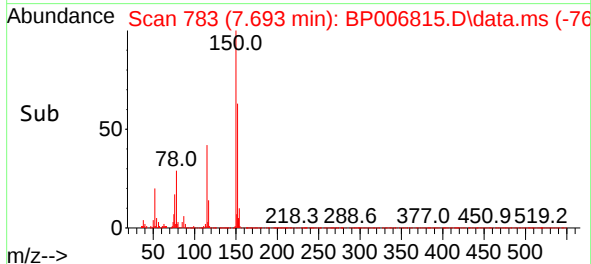
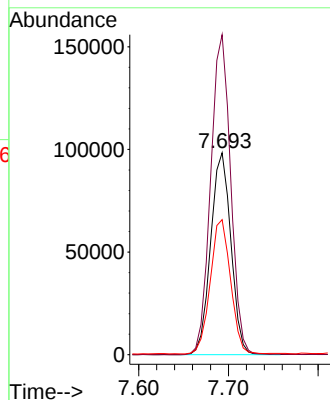
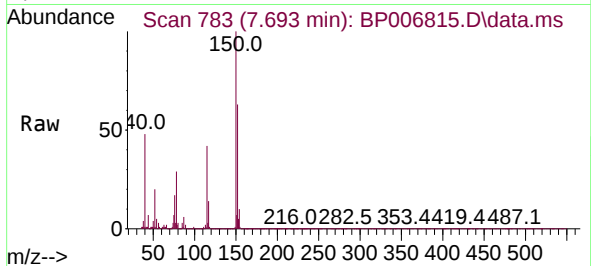




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.693 min Scan# 783  
Delta R.T. -0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

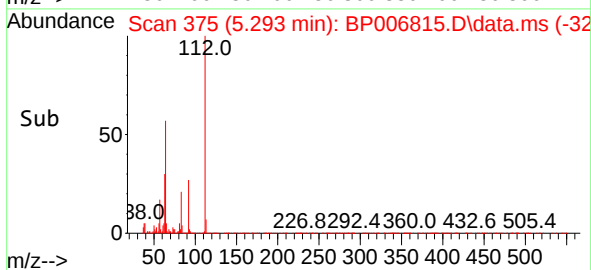
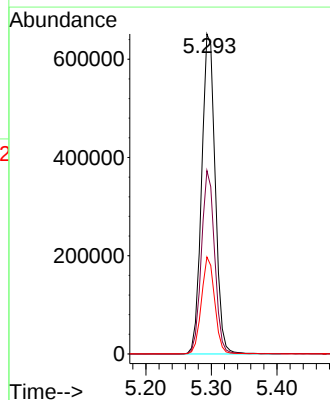
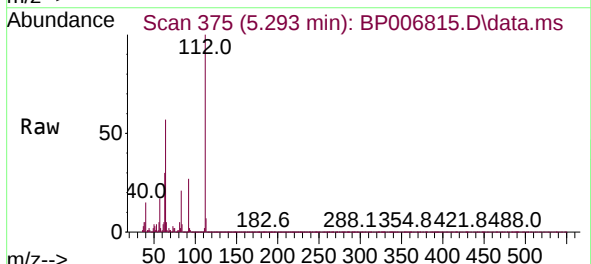
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

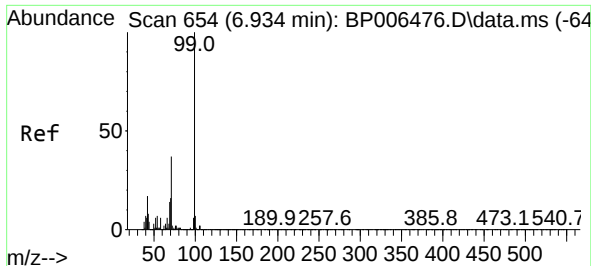
Tgt Ion:152 Resp: 153855  
Ion Ratio Lower Upper  
152 100  
150 158.5 125.6 188.4  
115 66.9 48.5 72.7



#5  
2-Fluorophenol  
Concen: 93.869 ng  
RT: 5.293 min Scan# 375  
Delta R.T. 0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:112 Resp: 940285  
Ion Ratio Lower Upper  
112 100  
64 57.3 41.4 62.2  
63 30.3 23.8 35.8

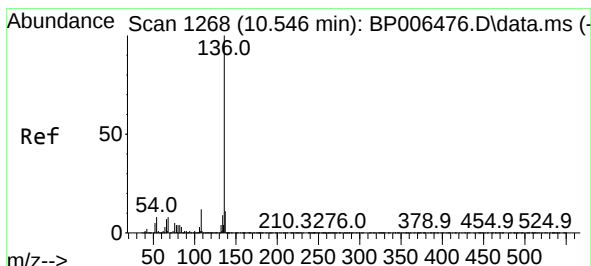
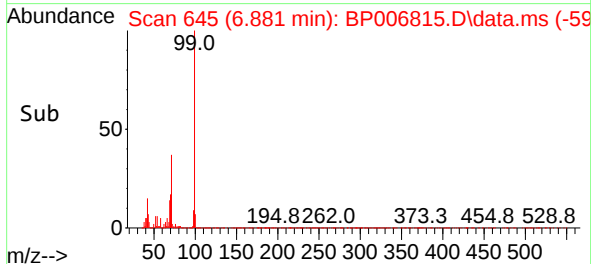
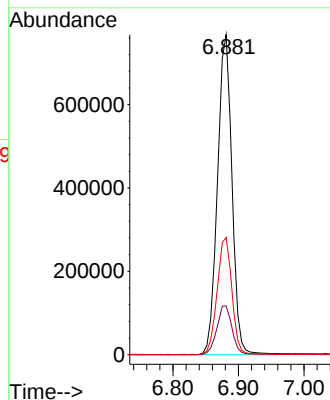
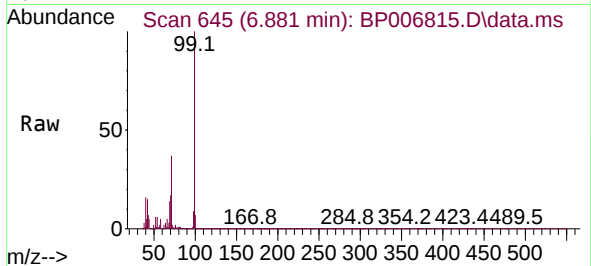




#7  
Phenol-d6  
Concen: 82.432 ng  
RT: 6.881 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

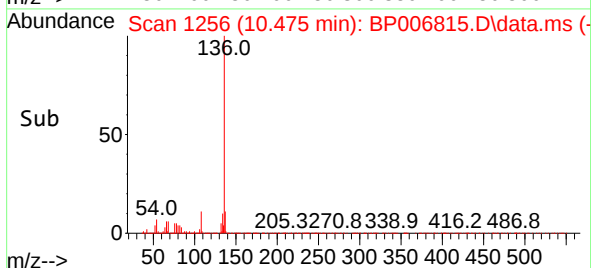
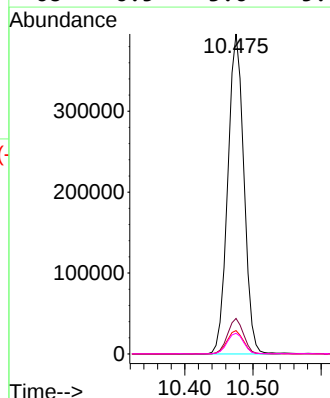
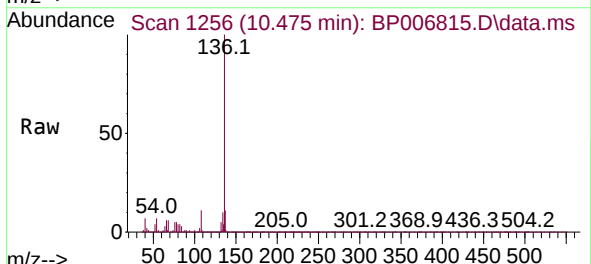
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

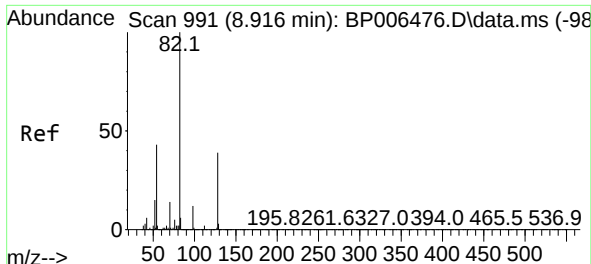
Tgt Ion: 99 Resp: 1172948  
Ion Ratio Lower Upper  
99 100  
42 15.2 13.4 20.0  
71 36.6 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.475 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion: 136 Resp: 650716  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 7.3 4.6 6.8#  
68 6.5 3.6 5.4#

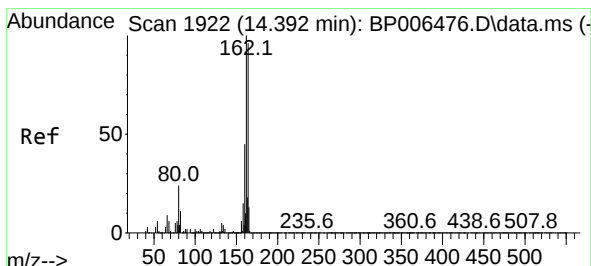
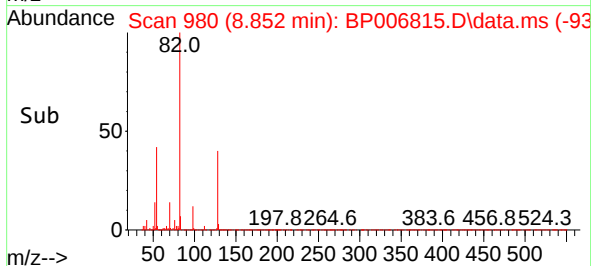
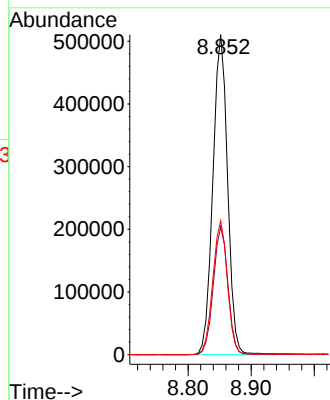
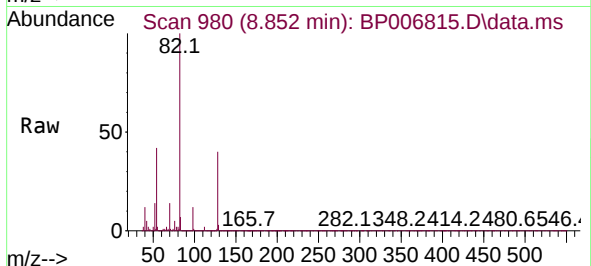




#23  
Nitrobenzene-d5  
Concen: 58.541 ng  
RT: 8.852 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

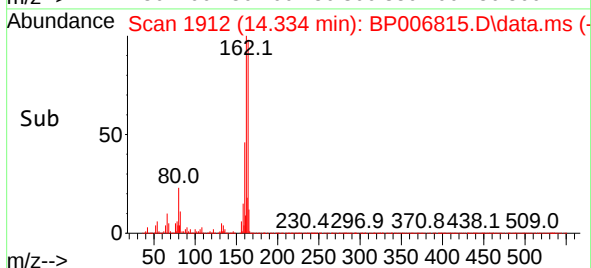
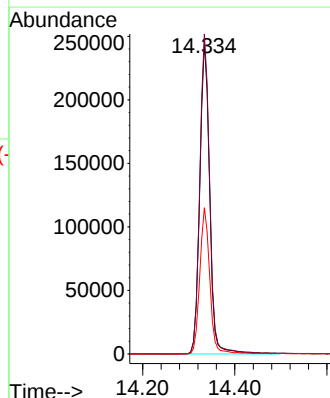
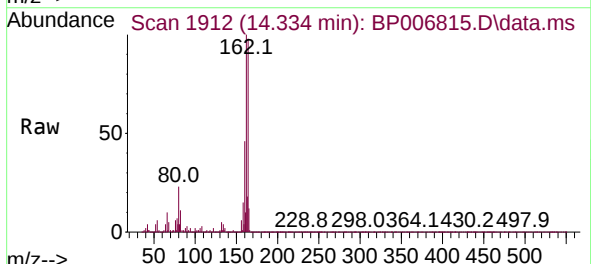
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

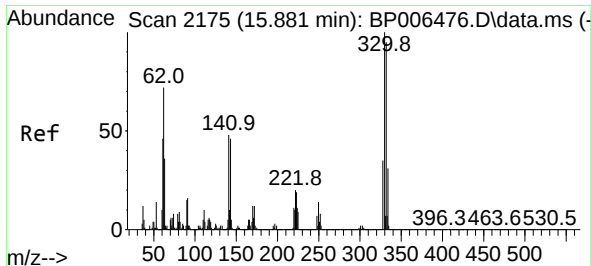
Tgt Ion: 82 Resp: 825295  
Ion Ratio Lower Upper  
82 100  
128 40.0 35.7 53.5  
54 41.8 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:164 Resp: 365200  
Ion Ratio Lower Upper  
164 100  
162 102.6 80.2 120.2  
160 46.9 34.5 51.7

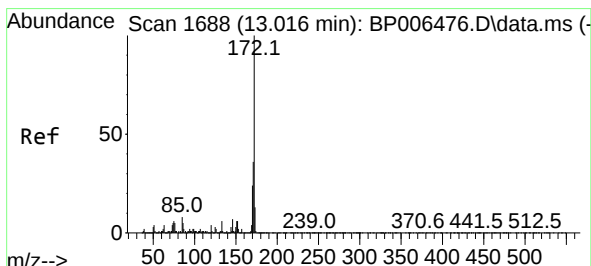
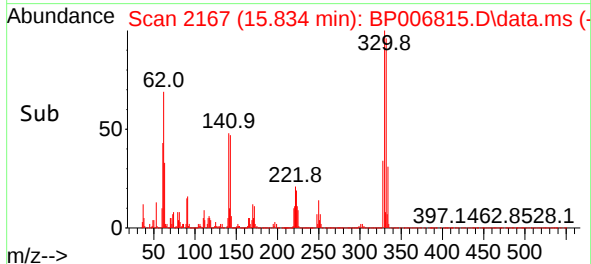
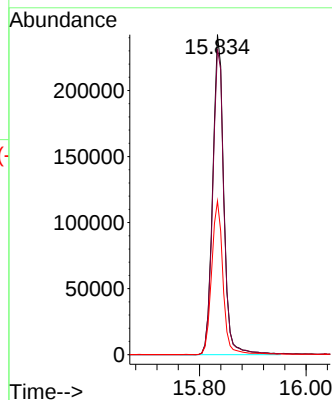
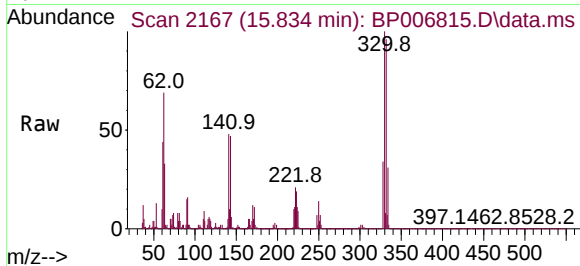




#42  
2,4,6-Tribromophenol  
Concen: 91.801 ng  
RT: 15.834 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

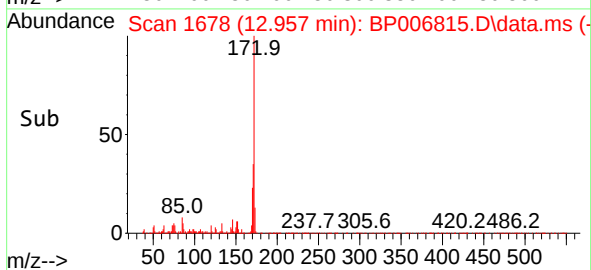
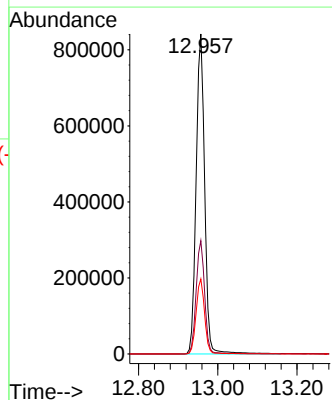
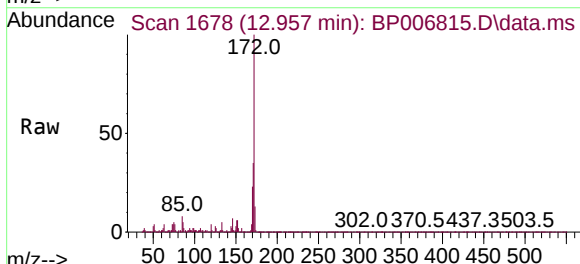
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

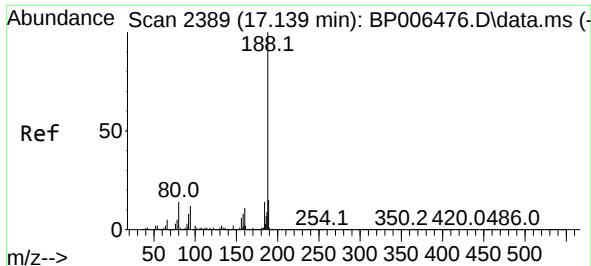
Tgt Ion:330 Resp: 350382  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.8 116.8  
141 49.2 25.4 38.2#



#45  
2-Fluorobiphenyl  
Concen: 51.632 ng  
RT: 12.957 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:172 Resp: 1260312  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 23.5 18.6 27.8

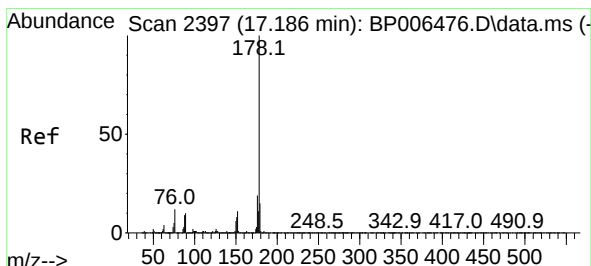
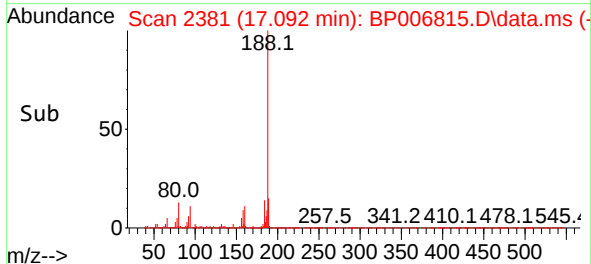
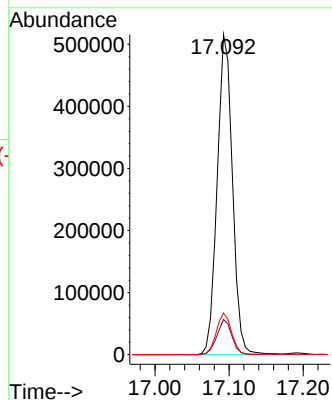
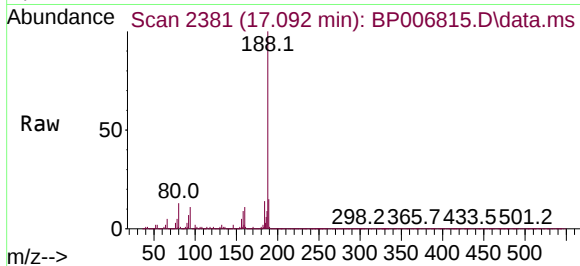




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.092 min Scan# 2381  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

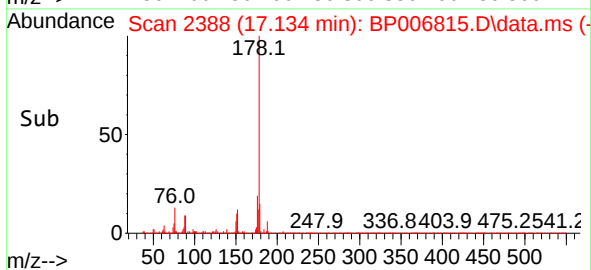
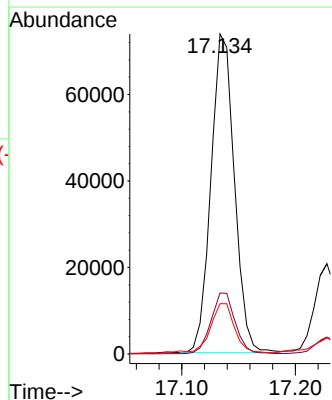
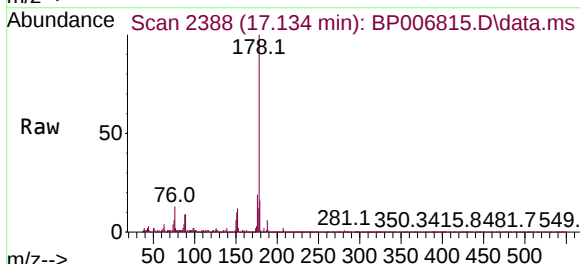
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

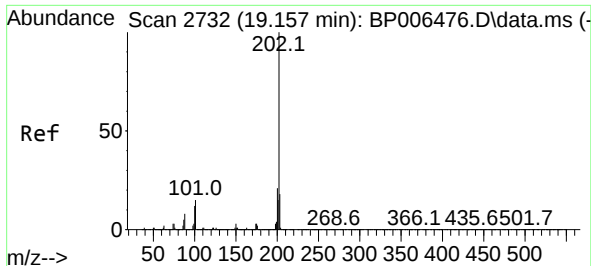
Tgt Ion:188 Resp: 737923  
Ion Ratio Lower Upper  
188 100  
94 11.0 5.6 8.4#  
80 13.0 6.3 9.5#



#71  
Phenanthrene  
Concen: 2.543 ng  
RT: 17.134 min Scan# 2388  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:178 Resp: 105856  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.1 22.7  
179 15.7 12.4 18.6

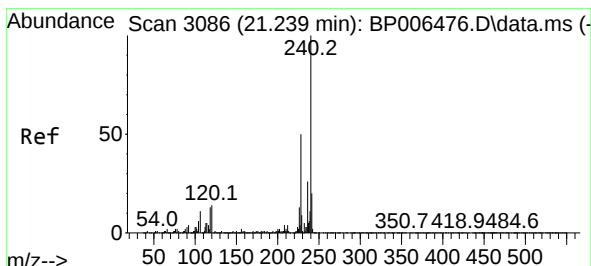
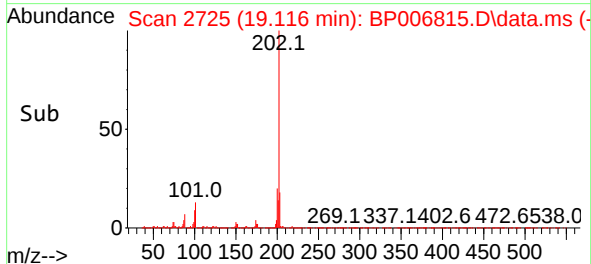
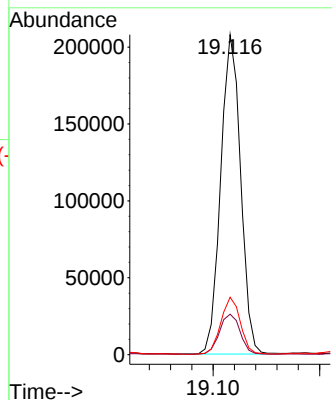
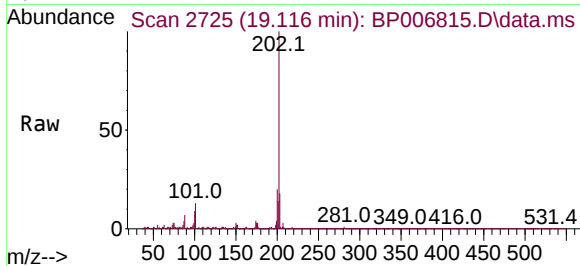




#75  
Fluoranthene  
Concen: 5.764 ng  
RT: 19.116 min Scan# 2725  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

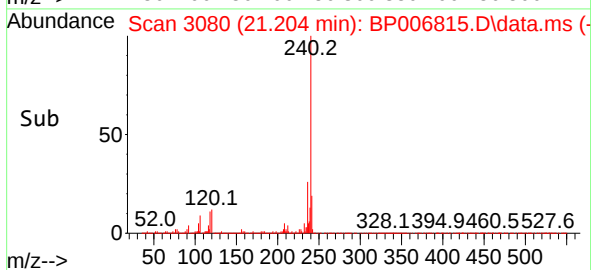
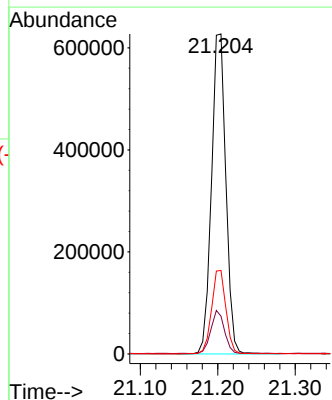
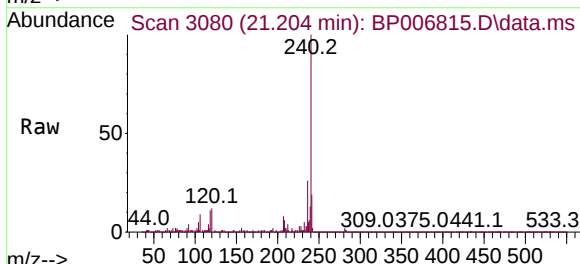
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

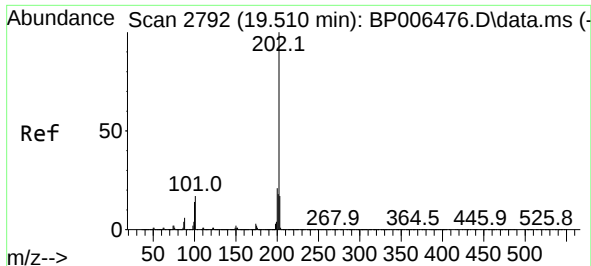
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 269272 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.6  | 0.0   | 27.6   |
| 203       | 18.0  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. 0.000 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 806998 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.8  | 6.5   | 9.7#   |
| 236       | 26.1  | 20.6  | 31.0   |

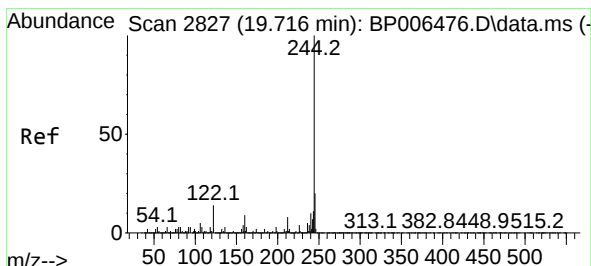
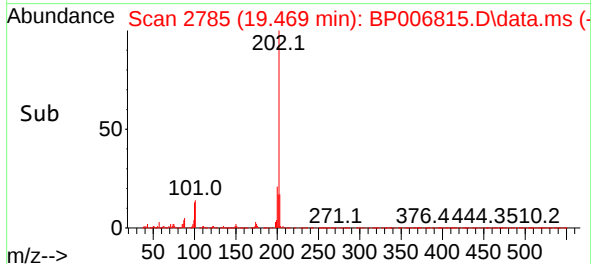
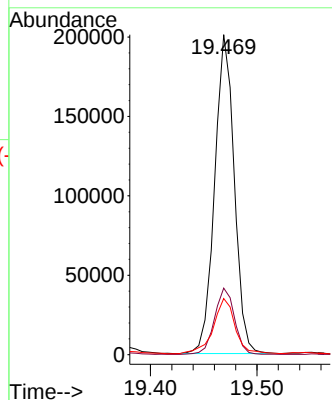
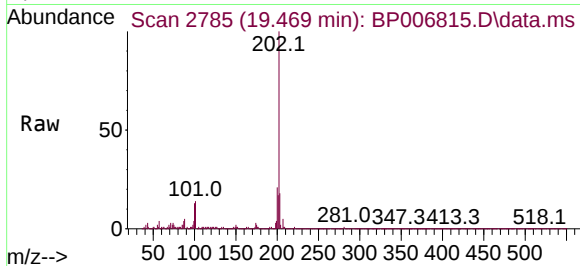




#78  
Pyrene  
Concen: 4.752 ng  
RT: 19.469 min Scan# 2785  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

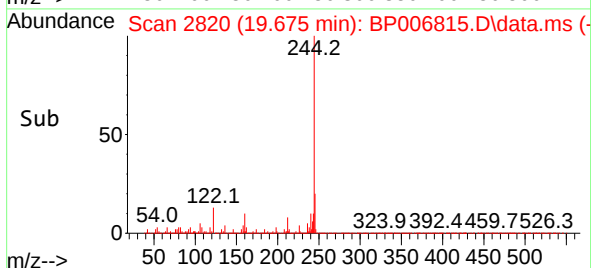
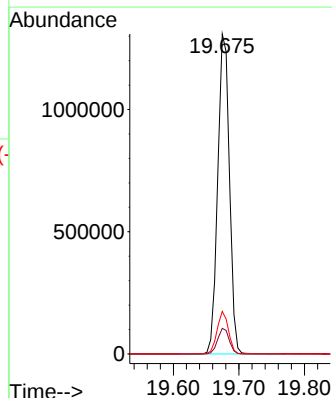
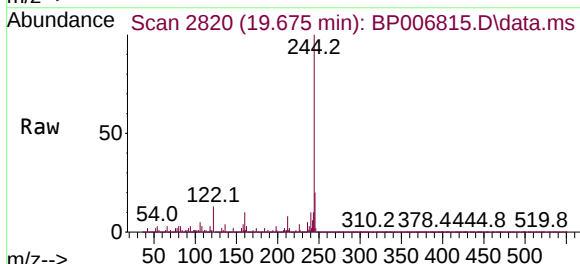
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

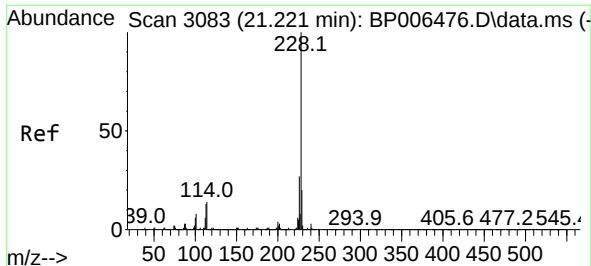
Tgt Ion:202 Resp: 256161  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.3 24.5  
203 17.5 14.2 21.2



#79  
Terphenyl-d14  
Concen: 40.055 ng  
RT: 19.675 min Scan# 2820  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:244 Resp: 1613151  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.0 9.0  
122 13.3 7.1 10.7#

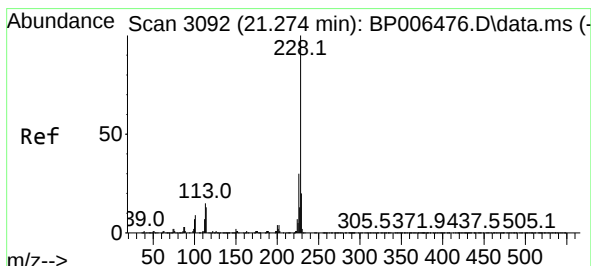
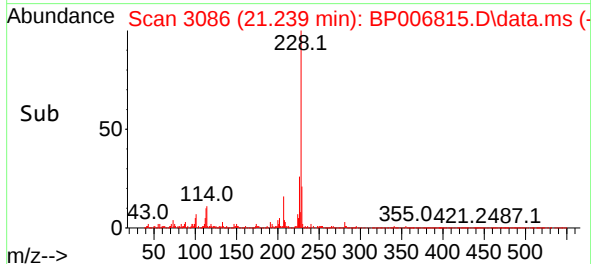
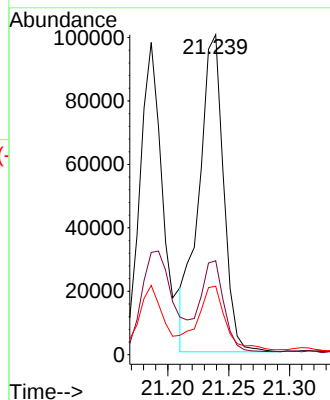
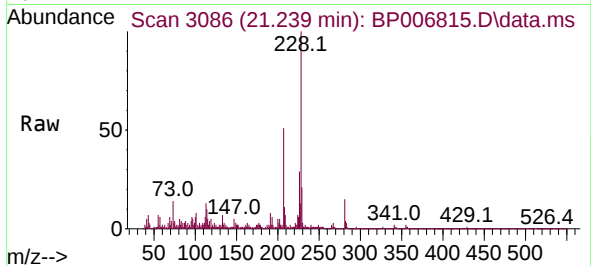




#81  
Benzo(a)anthracene  
Concen: 2.680 ng  
RT: 21.239 min Scan# 3086  
Delta R.T. 0.047 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

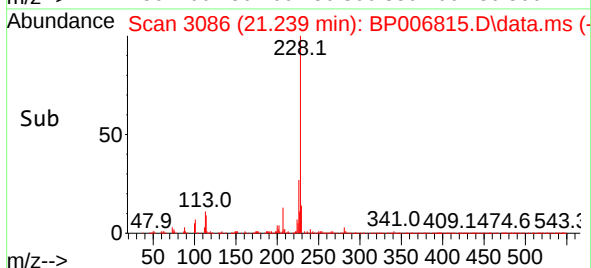
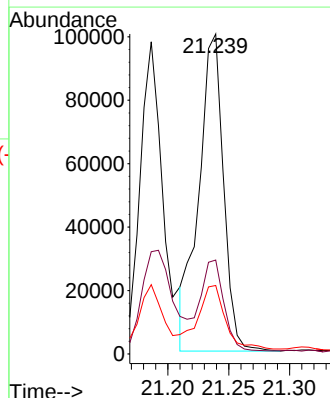
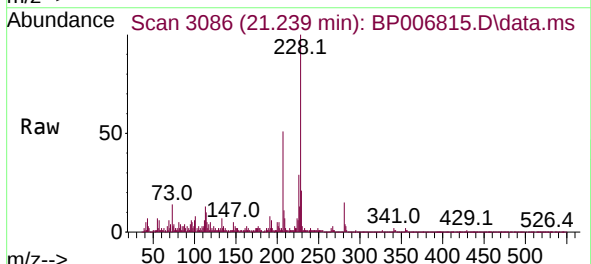
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

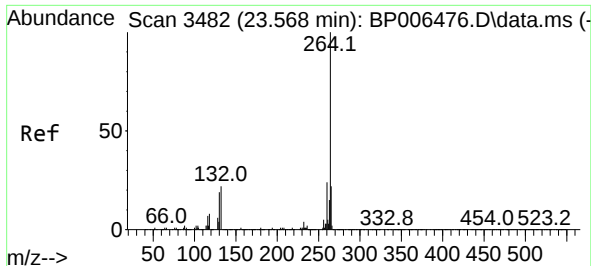
Tgt Ion:228 Resp: 141364  
Ion Ratio Lower Upper  
228 100  
226 29.3 21.6 32.4  
229 21.4 15.8 23.6



#83  
Chrysene  
Concen: 2.765 ng  
RT: 21.239 min Scan# 3086  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:228 Resp: 141364  
Ion Ratio Lower Upper  
228 100  
226 29.3 23.8 35.6  
229 21.4 15.4 23.2

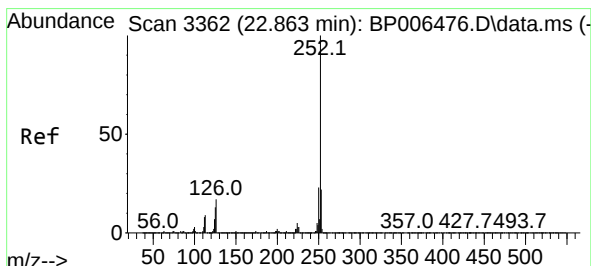
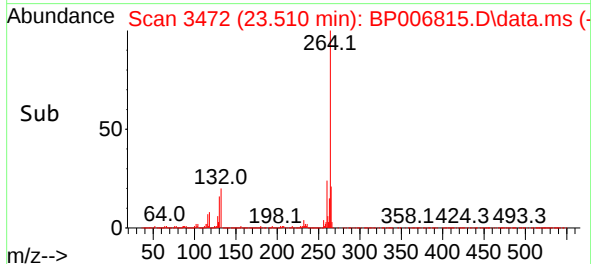
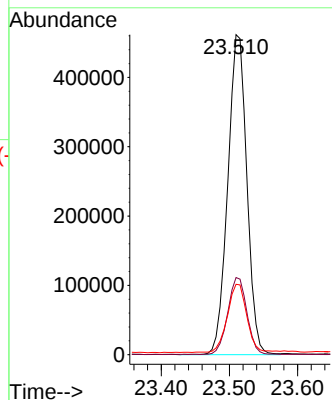
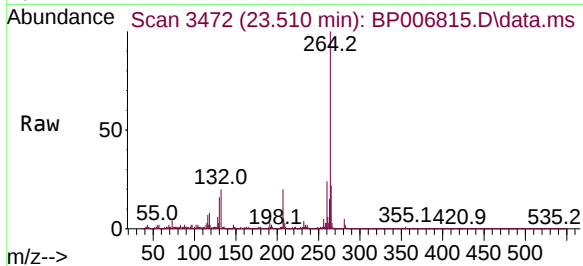




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.510 min Scan# 3472  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

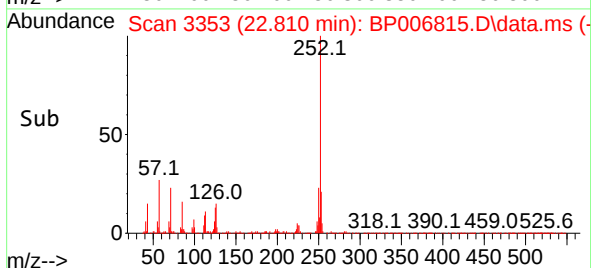
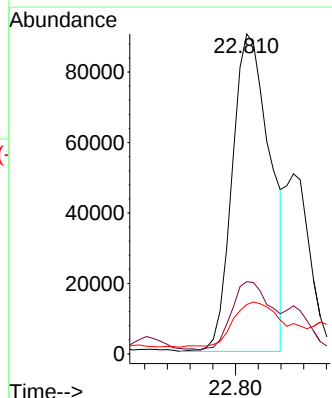
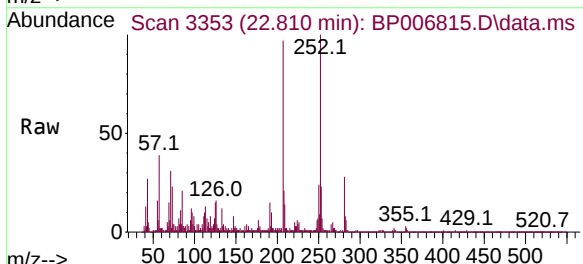
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

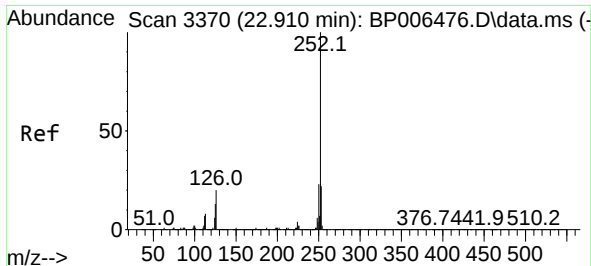
Tgt Ion:264 Resp: 899650  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.6 28.0  
265 22.0 17.6 26.4



#88  
Benzo(b)fluoranthene  
Concen: 3.574 ng  
RT: 22.810 min Scan# 3353  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:252 Resp: 208997  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.5 26.3  
125 15.5 6.2 9.4#

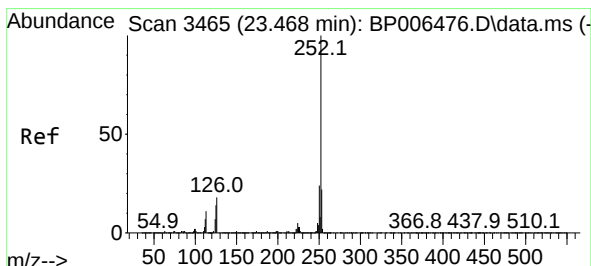
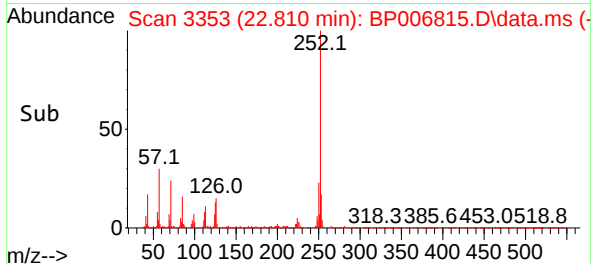
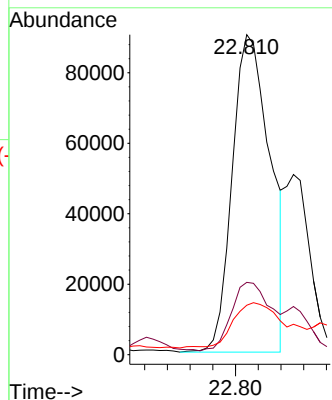
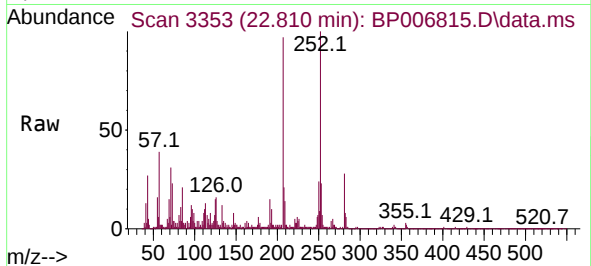




#89  
Benzo(k)fluoranthene  
Concen: 3.723 ng  
RT: 22.810 min Scan# 3353  
Delta R.T. -0.053 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

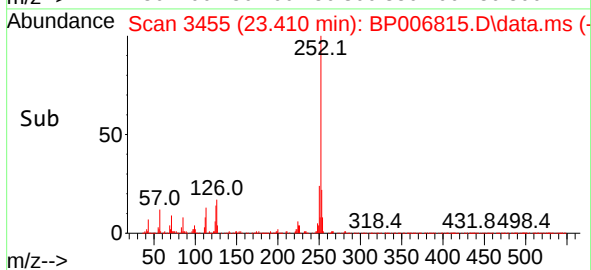
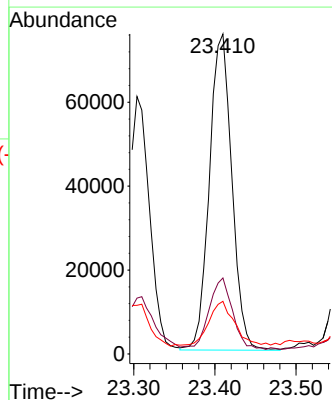
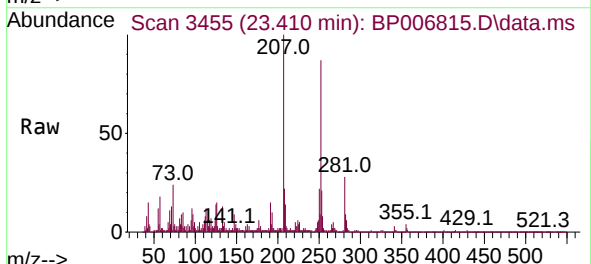
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-15-1015

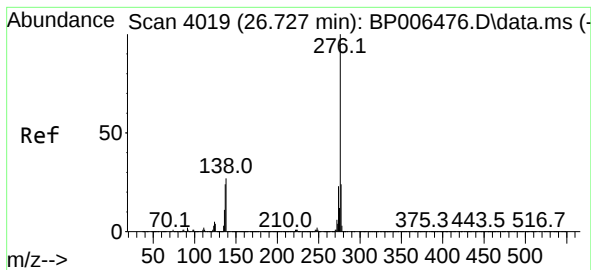
Tgt Ion:252 Resp: 208997  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.6 26.4  
125 15.5 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 2.764 ng  
RT: 23.410 min Scan# 3455  
Delta R.T. -0.006 min  
Lab File: BP006815.D  
Acq: 20 Aug 2021 23:46

Tgt Ion:252 Resp: 144970  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.9 26.9  
125 16.5 6.5 9.7#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.343 ng  
 RT: 26.615 min Scan# 4000  
 Delta R.T. -0.023 min  
 Lab File: BP006815.D  
 Acq: 20 Aug 2021 23:46

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-15-1015

Tgt Ion: 276 Resp: 126639  
 Ion Ratio Lower Upper  
 276 100  
 277 24.1 18.9 28.3  
 138 24.8 12.6 18.8#

