

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081821\  
 Data File : BP006745.D  
 Acq On : 18 Aug 2021 15:14  
 Operator : CG/JU  
 Sample : M3429-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-1

Quant Time: Aug 18 16:07:06 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 18:17:59 2021  
 Response via : Initial Calibration

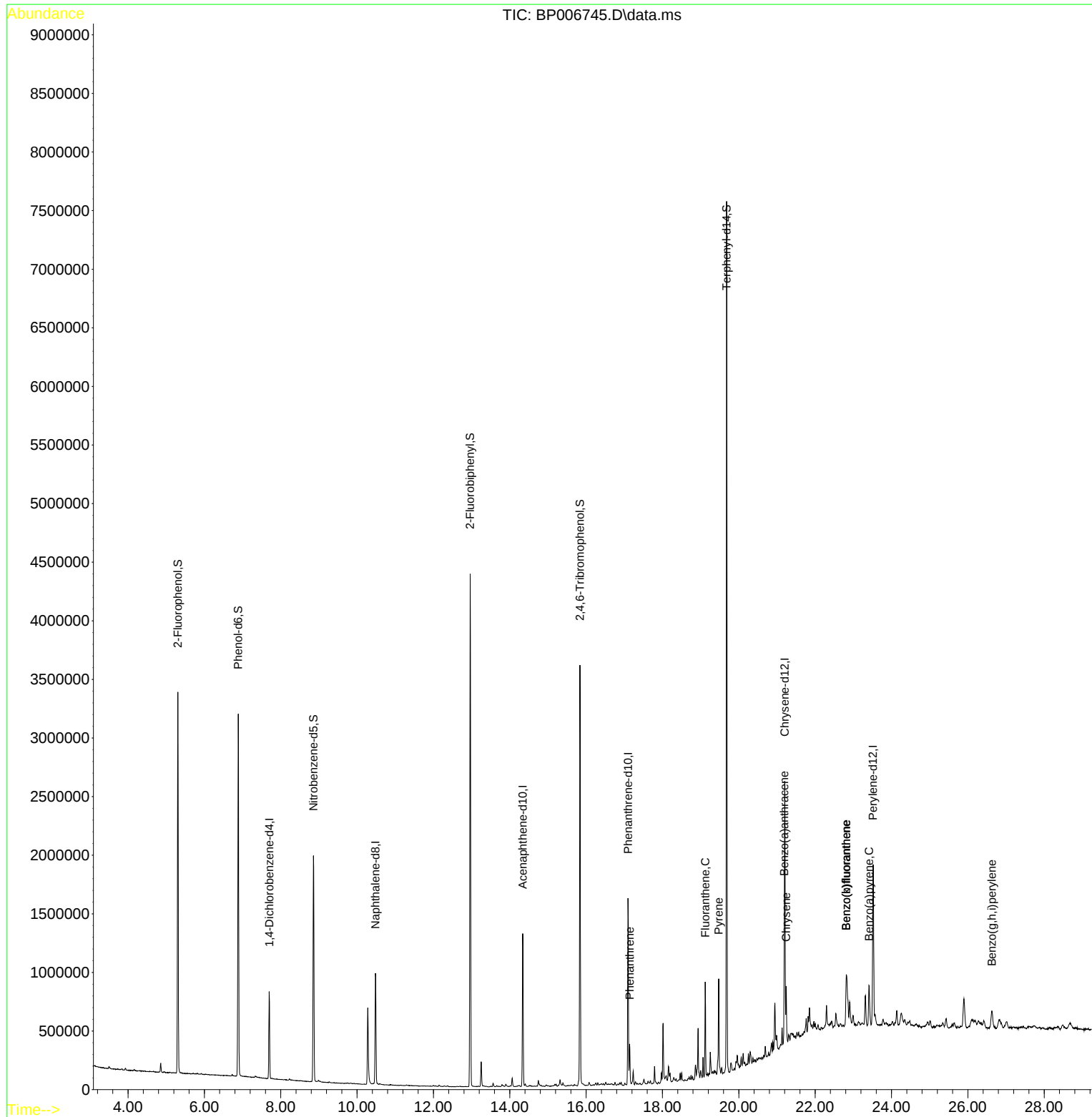
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.699  | 152  | 181005   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.481 | 136  | 744466   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 14.340 | 164  | 409725   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.098 | 188  | 835818   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.204 | 240  | 852706   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.516 | 264  | 913703   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.305  | 112  | 1334819  | 113.268 | ng    | 0.00     |
| 7) Phenol-d6                | 6.887  | 99   | 1679664  | 100.337 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.858  | 82   | 1151299  | 71.381  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.840 | 330  | 517701   | 120.899 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.963 | 172  | 1949827  | 71.199  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.681 | 244  | 2924370  | 68.720  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.140 | 178  | 188556   | 3.999   | ng    | 99       |
| 75) Fluoranthene            | 19.122 | 202  | 409117   | 7.731   | ng    | 95       |
| 78) Pyrene                  | 19.475 | 202  | 423156   | 7.429   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.192 | 228  | 234148   | 4.202   | ng    | 95       |
| 83) Chrysene                | 21.239 | 228  | 249005   | 4.609   | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 22.816 | 252  | 333446   | 5.615   | ng    | # 95     |
| 89) Benzo(k)fluoranthene    | 22.816 | 252  | 333446   | 5.848   | ng    | # 95     |
| 90) Benzo(a)pyrene          | 23.410 | 252  | 233688   | 4.387   | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 26.627 | 276  | 175938   | 3.205   | ng    | # 90     |
| -----                       |        |      |          |         |       |          |

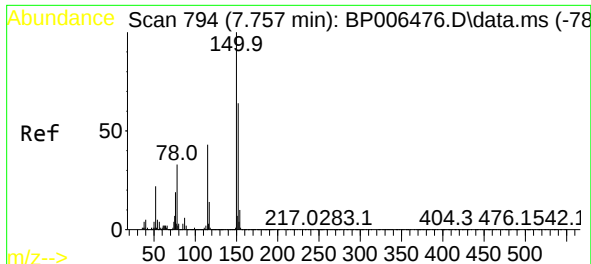
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 16 18:17:59 2021  
Response via : Initial Calibration

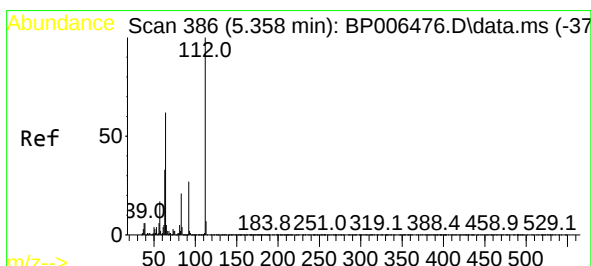
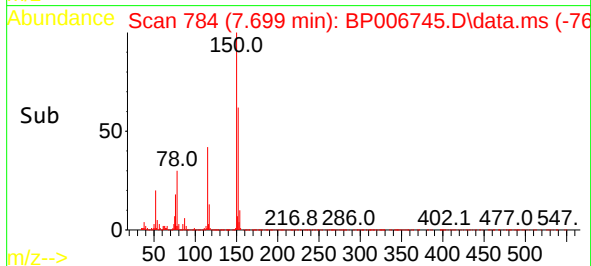
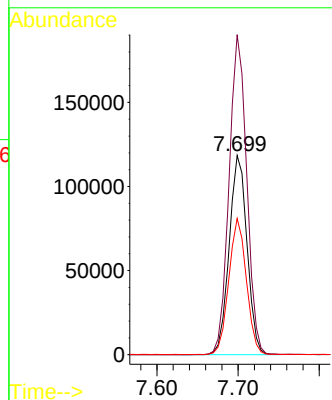
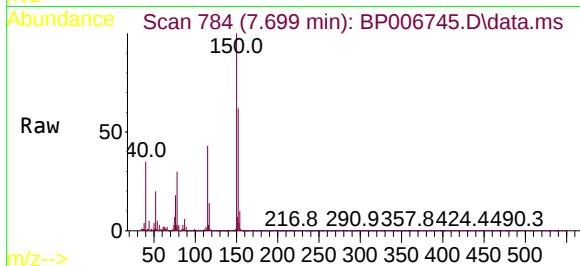




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.699 min Scan# 784  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

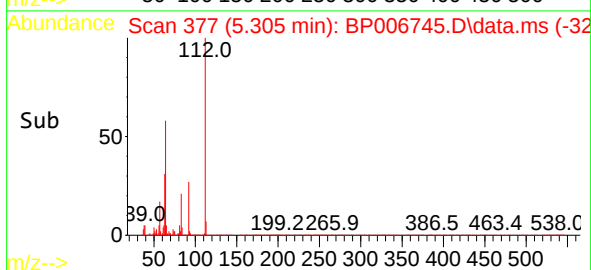
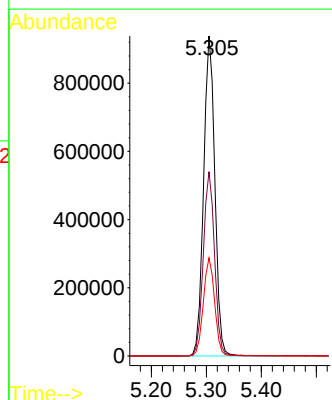
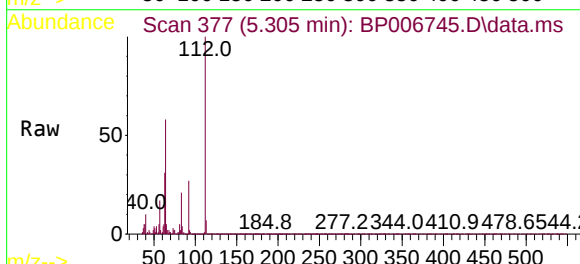
Instrument :  
BNA\_P  
ClientSampleId :  
WC-1

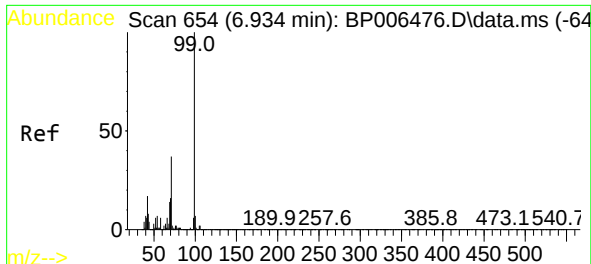
Tgt Ion:152 Resp: 181005  
Ion Ratio Lower Upper  
152 100  
150 160.6 125.6 188.4  
115 68.3 48.5 72.7



#5  
2-Fluorophenol  
Concen: 113.268 ng  
RT: 5.305 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion:112 Resp: 1334819  
Ion Ratio Lower Upper  
112 100  
64 57.6 41.4 62.2  
63 30.6 23.8 35.8



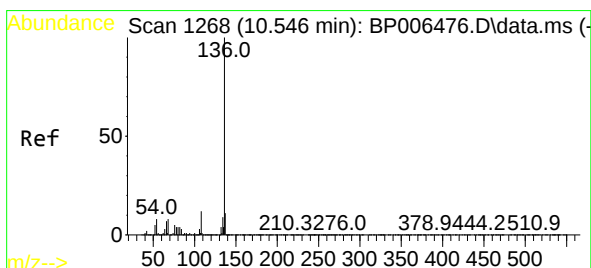
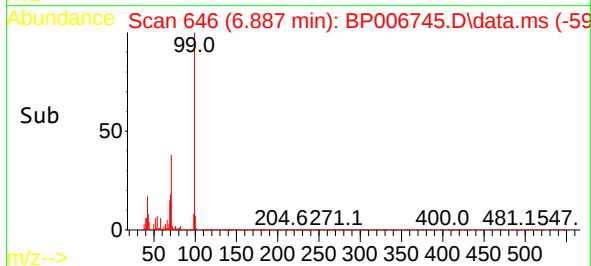
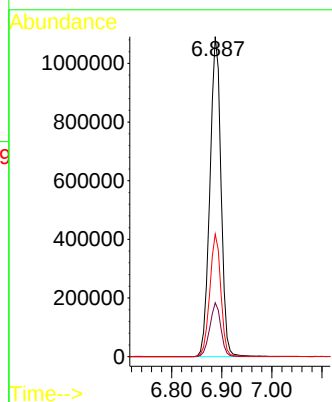
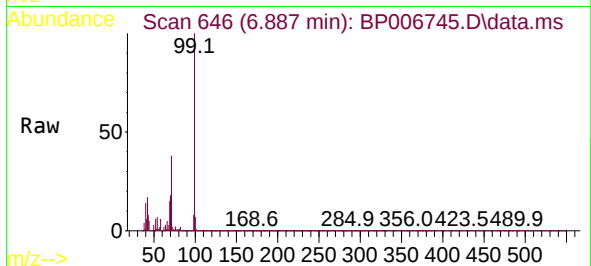


#7  
Phenol-d6  
Concen: 100.337 ng  
RT: 6.887 min Scan# 646  
Delta R.T. 0.000 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Instrument :  
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Tgt Ion: 99 Resp: 1679664

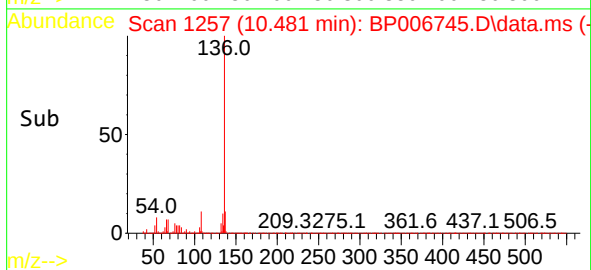
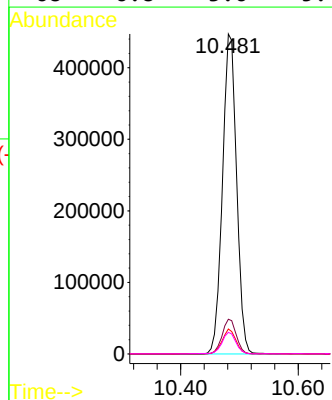
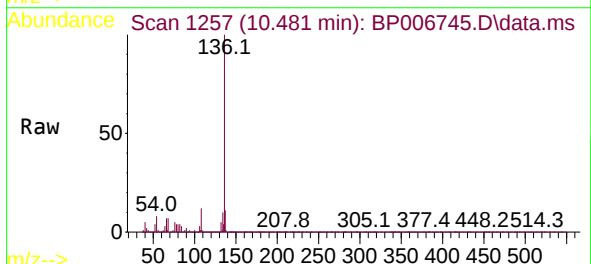
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.9  | 13.4  | 20.0  |
| 71  | 38.3  | 30.6  | 46.0  |

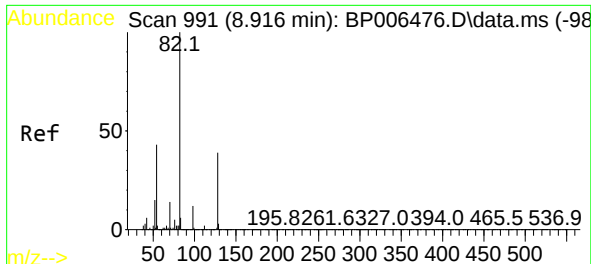


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.481 min Scan# 1257  
Delta R.T. -0.012 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion:136 Resp: 744466

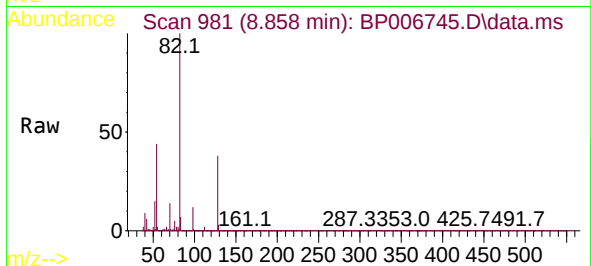
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 12.8  |
| 54  | 7.8   | 4.6   | 6.8#  |
| 68  | 6.8   | 3.6   | 5.4#  |





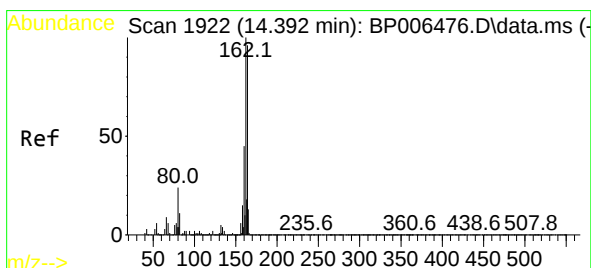
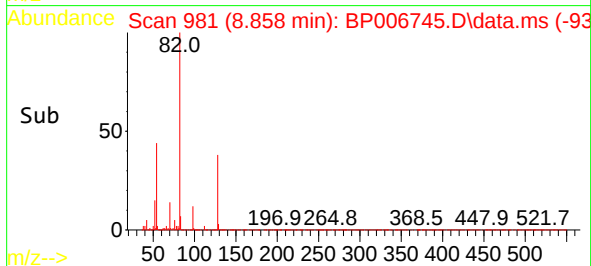
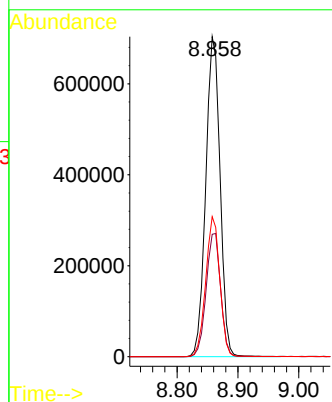
#23  
Nitrobenzene-d5  
Concen: 71.381 ng  
RT: 8.858 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Instrument :  
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Tgt Ion: 82 Resp: 1151299

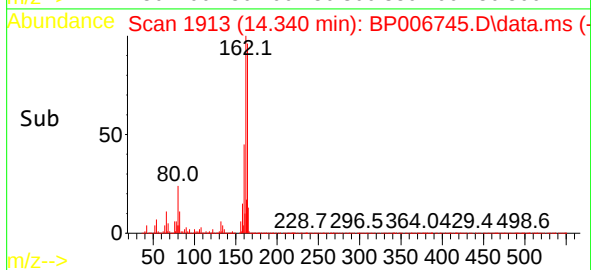
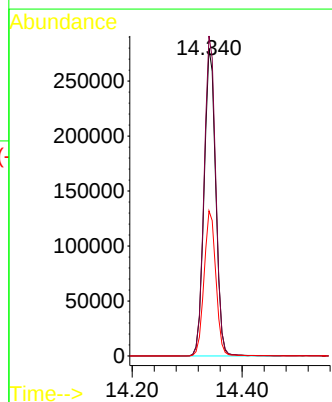
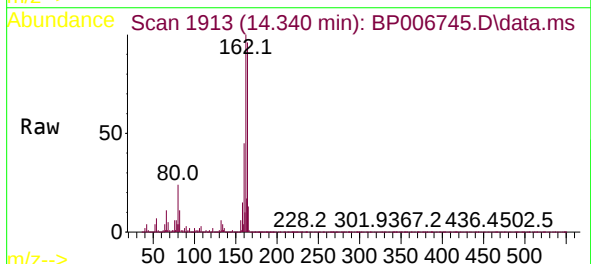
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.3  | 35.7  | 53.5  |
| 54  | 43.7  | 35.0  | 52.4  |

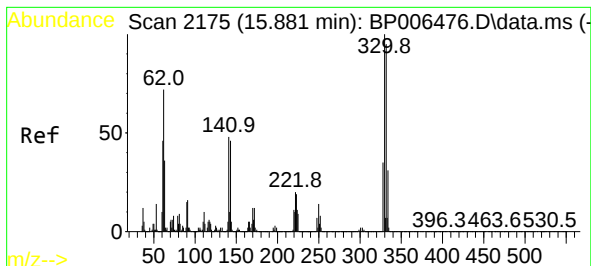


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.340 min Scan# 1913  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion: 164 Resp: 409725

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.0 | 80.2  | 120.2 |
| 160 | 47.2  | 34.5  | 51.7  |

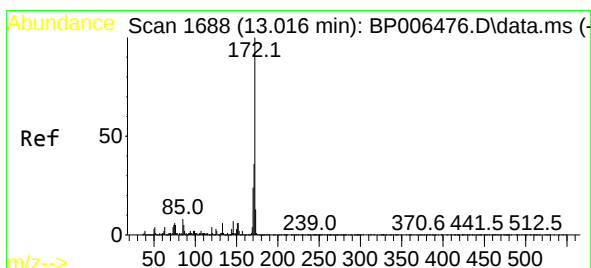
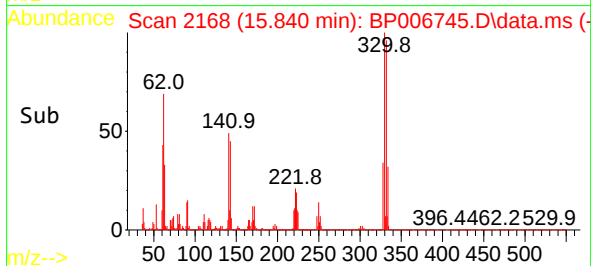
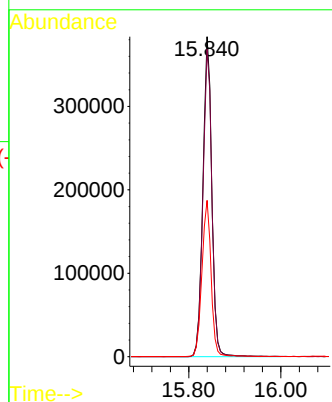
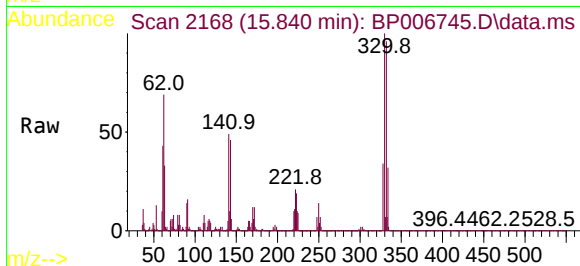




#42  
2,4,6-Tribromophenol  
Concen: 120.899 ng  
RT: 15.840 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

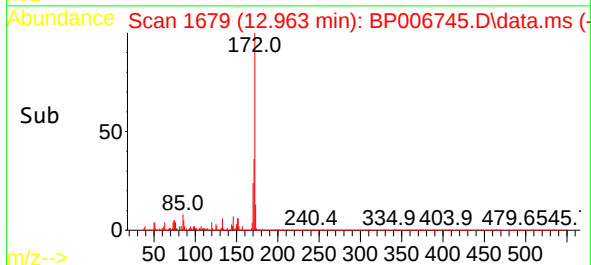
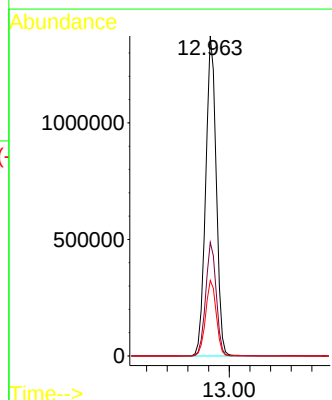
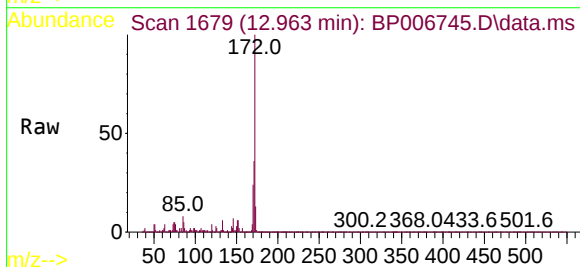
Instrument :  
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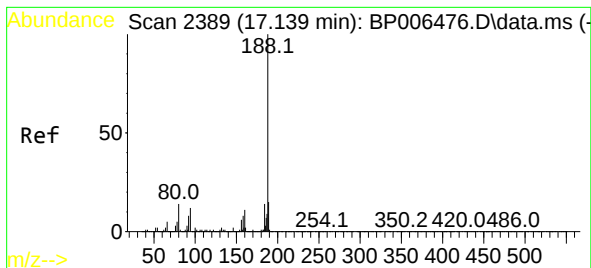
Tgt Ion:330 Resp: 517701  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.8 116.8  
141 50.0 25.4 38.2#



#45  
2-Fluorobiphenyl  
Concen: 71.199 ng  
RT: 12.963 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion:172 Resp: 1949827  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.9 41.9  
170 23.6 18.6 27.8

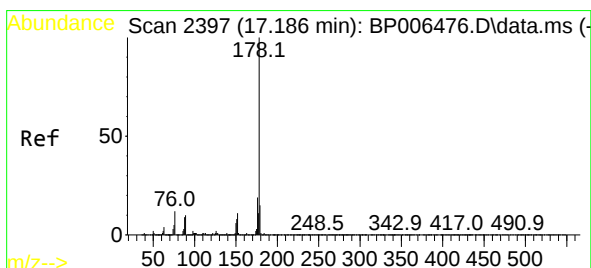
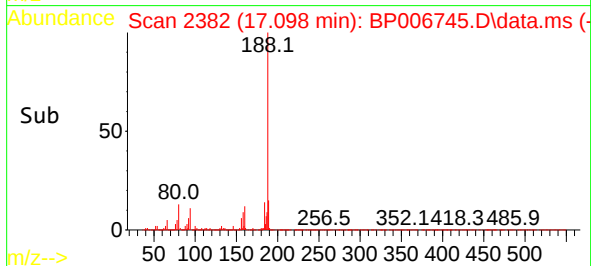
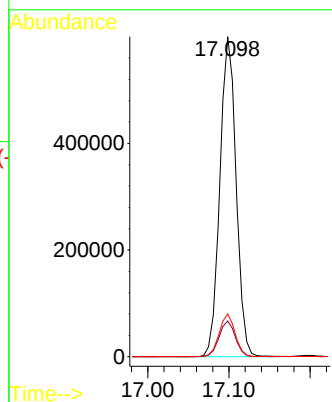
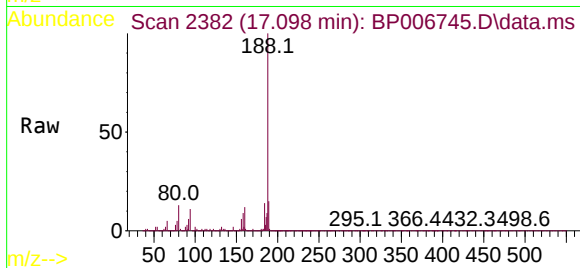




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.098 min Scan# 2382  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

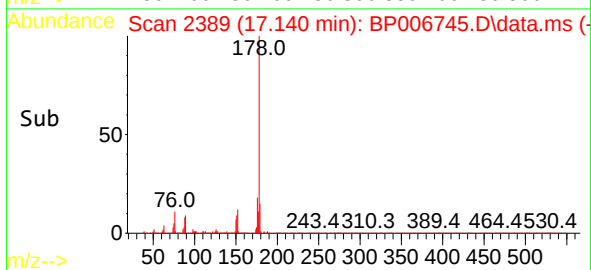
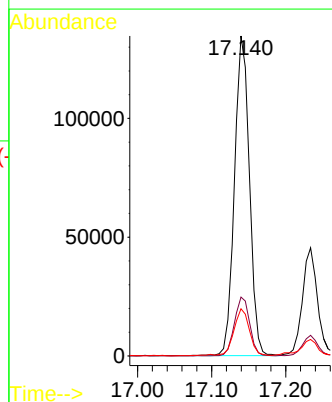
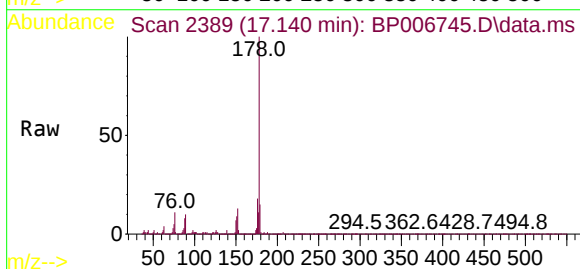
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BNA\_P  
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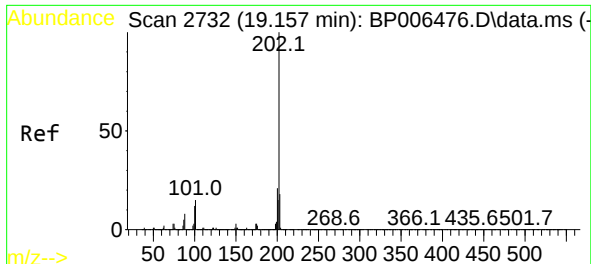
Tgt Ion:188 Resp: 835818  
Ion Ratio Lower Upper  
188 100  
94 11.1 5.6 8.4#  
80 13.4 6.3 9.5#



#71  
Phenanthrene  
Concen: 3.999 ng  
RT: 17.140 min Scan# 2389  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion:178 Resp: 188556  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.1 22.7  
179 14.8 12.4 18.6

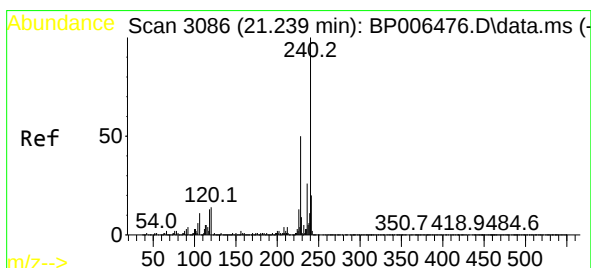
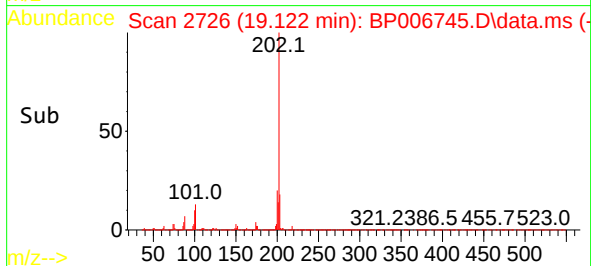
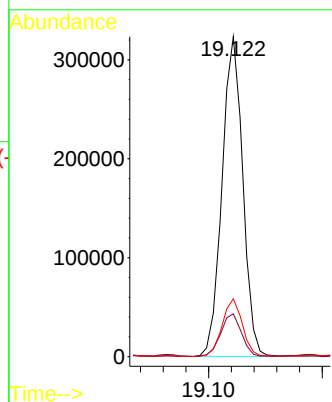
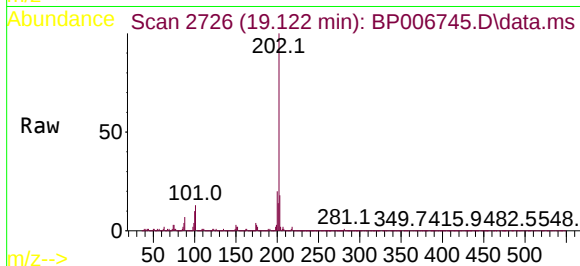




#75  
Fluoranthene  
Concen: 7.731 ng  
RT: 19.122 min Scan# 2726  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

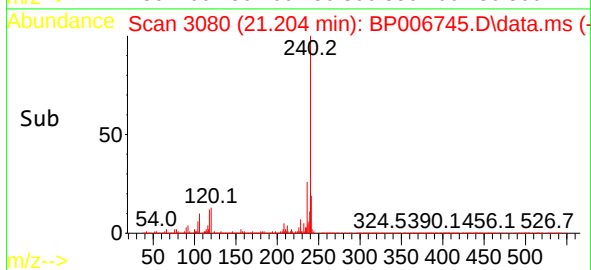
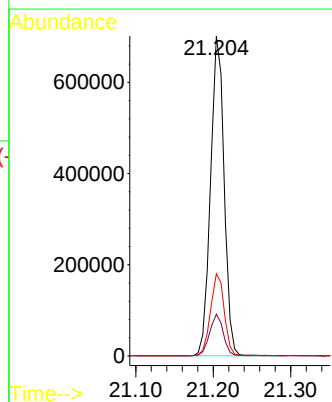
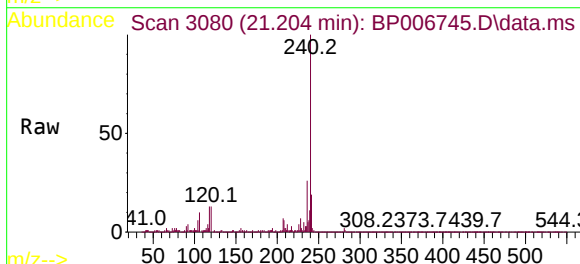
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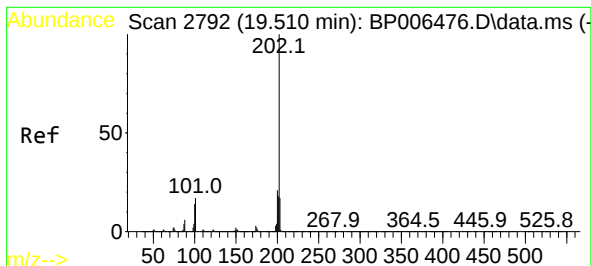
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 409117 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.4  | 0.0   | 27.6   |
| 203       | 18.1  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 852706 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.0  | 6.5   | 9.7#   |
| 236       | 25.7  | 20.6  | 31.0   |





#78

Pyrene

Concen: 7.429 ng

RT: 19.475 min Scan# 2786

Delta R.T. -0.006 min

Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

Instrument :

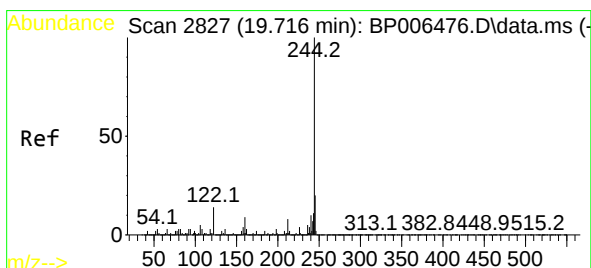
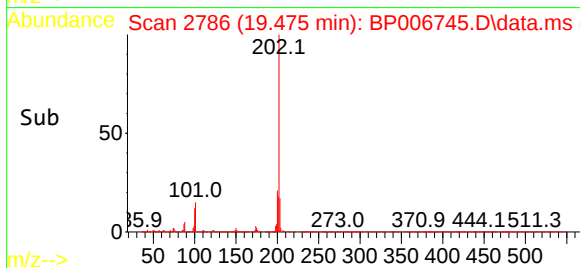
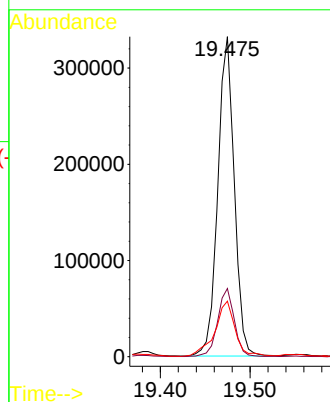
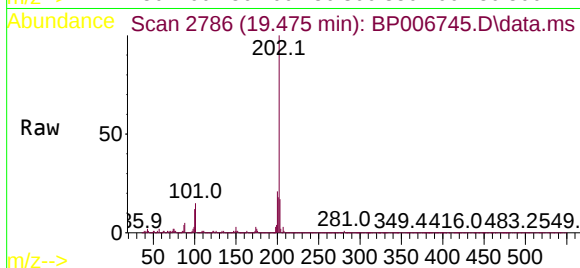
BNA\_P

ClientSampleId :

WC-1

Tgt Ion:202 Resp: 423156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.3  | 16.3  | 24.5  |
| 203 | 17.4  | 14.2  | 21.2  |



#79

Terphenyl-d14

Concen: 68.720 ng

RT: 19.681 min Scan# 2821

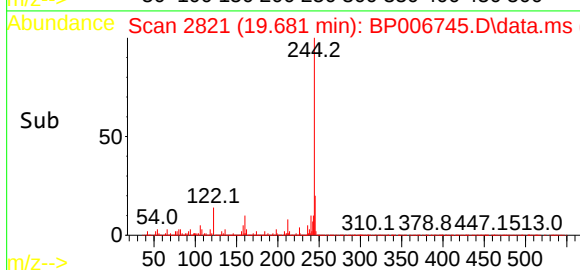
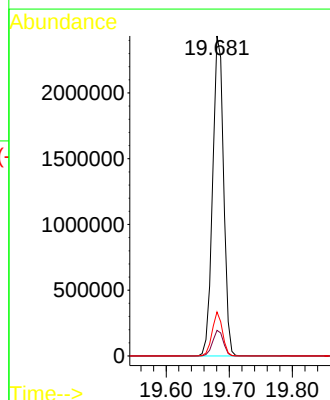
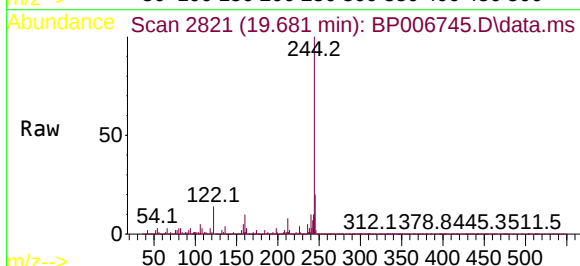
Delta R.T. -0.006 min

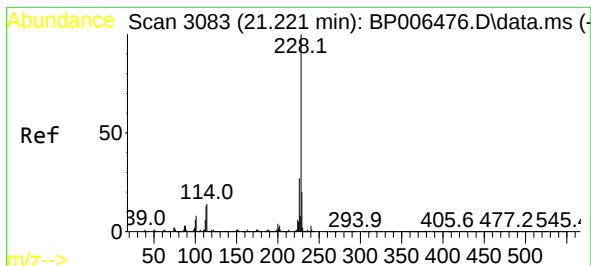
Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

Tgt Ion:244 Resp: 2924370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 6.0   | 9.0   |
| 122 | 13.7  | 7.1   | 10.7  |





#81

Benzo(a)anthracene

Concen: 4.202 ng

RT: 21.192 min Scan# 3078

Delta R.T. -0.006 min

Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

Instrument :

BNA\_P

ClientSampleId :

WC-1

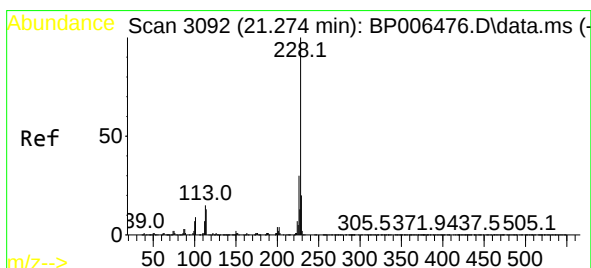
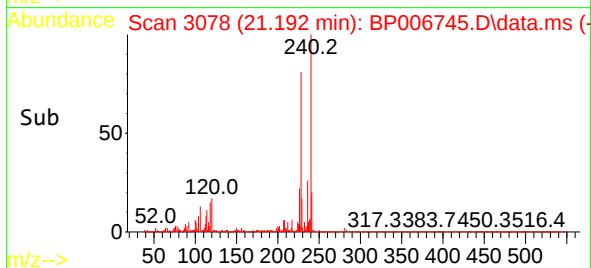
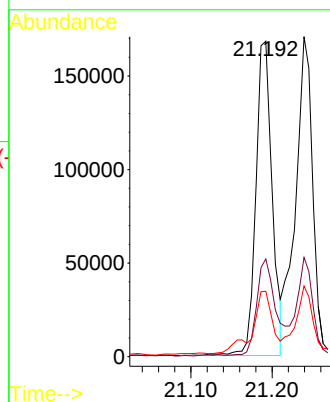
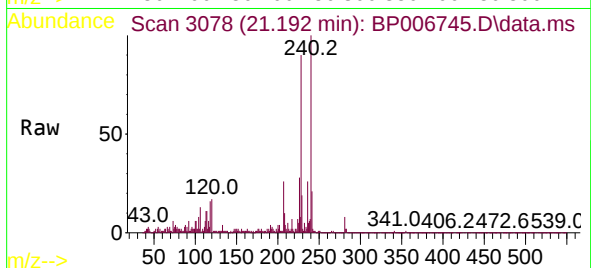
Tgt Ion:228 Resp: 234148

Ion Ratio Lower Upper

228 100

226 31.0 21.6 32.4

229 20.7 15.8 23.6



#83

Chrysene

Concen: 4.609 ng

RT: 21.239 min Scan# 3086

Delta R.T. -0.012 min

Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

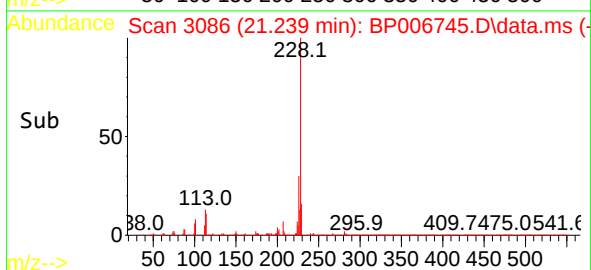
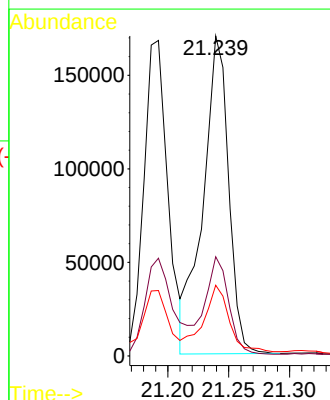
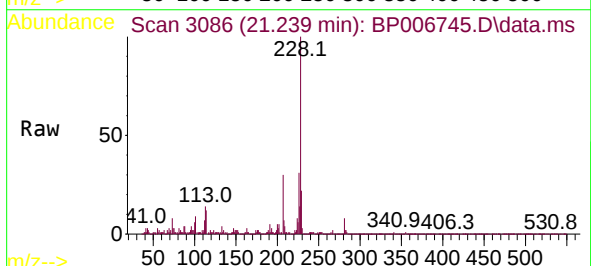
Tgt Ion:228 Resp: 249005

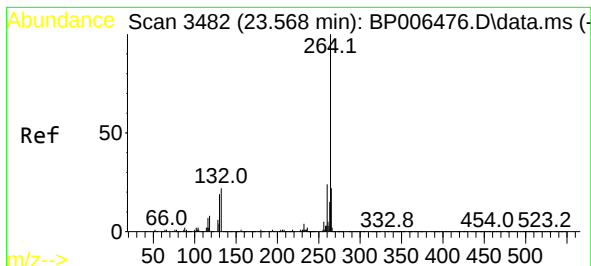
Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 22.1 15.4 23.2

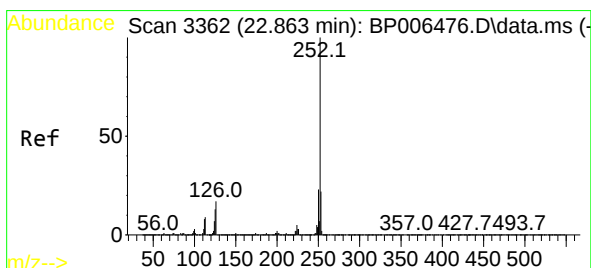
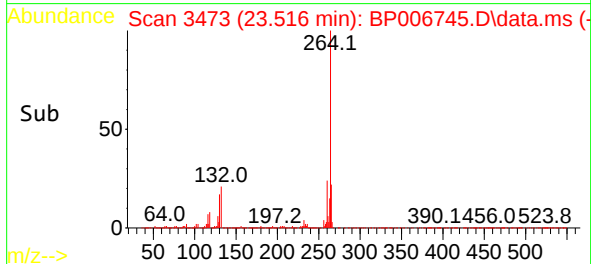
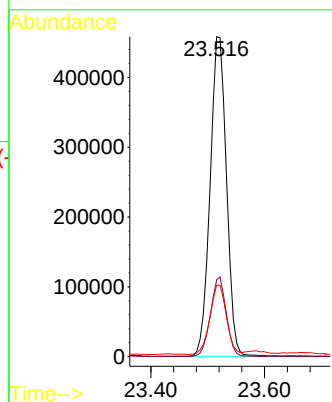
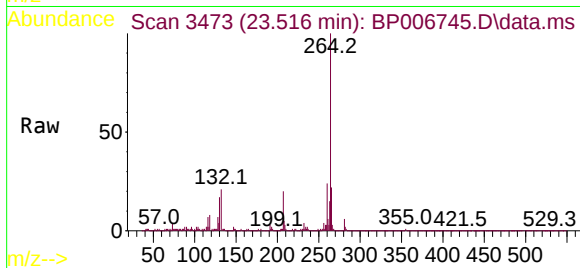




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.516 min Scan# 3473  
Delta R.T. -0.012 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

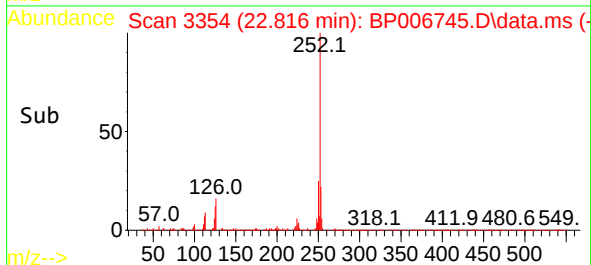
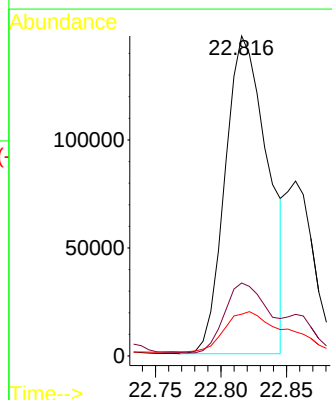
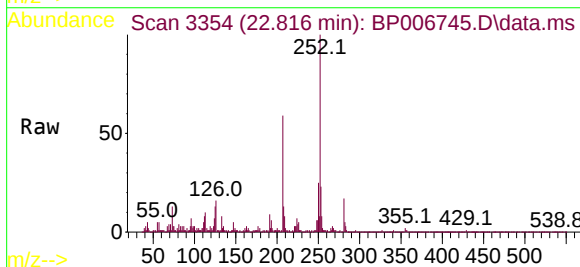
Instrument :  
BNA\_P  
ClientSampled :  
WC-1

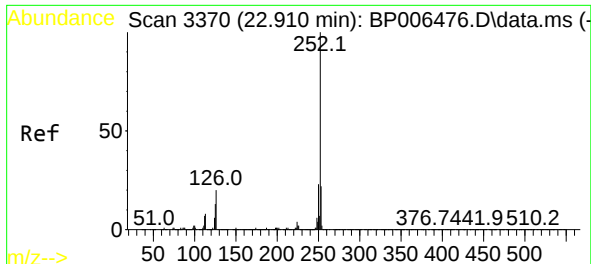
Tgt Ion:264 Resp: 913703  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.6 28.0  
265 22.4 17.6 26.4



#88  
Benzo(b)fluoranthene  
Concen: 5.615 ng  
RT: 22.816 min Scan# 3354  
Delta R.T. -0.006 min  
Lab File: BP006745.D  
Acq: 18 Aug 2021 15:14

Tgt Ion:252 Resp: 333446  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.5 26.3  
125 13.0 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 5.848 ng

RT: 22.816 min Scan# 3354

Delta R.T. -0.059 min

Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

Instrument :

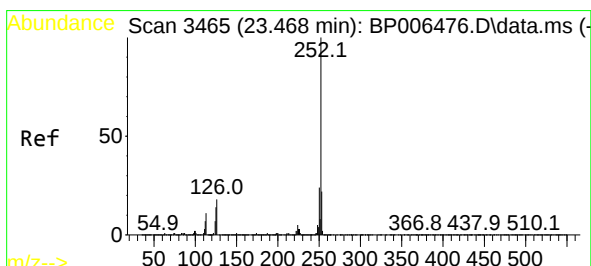
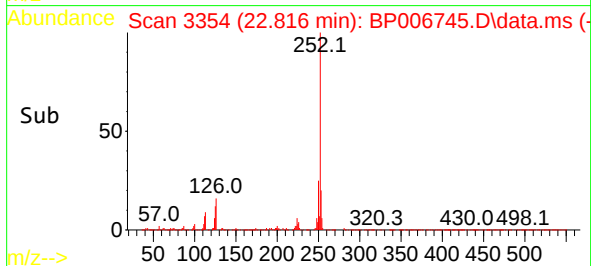
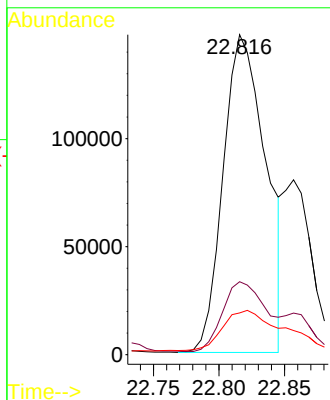
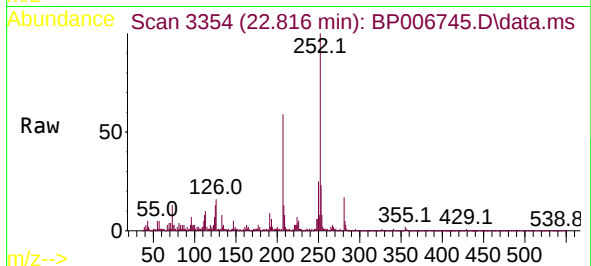
BNA\_P

ClientSampled :

WC-1

Tgt Ion:252 Resp: 333446

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 17.6  | 26.4  |
| 125 | 13.0  | 6.0   | 9.0   |



#90

Benzo(a)pyrene

Concen: 4.387 ng

RT: 23.410 min Scan# 3455

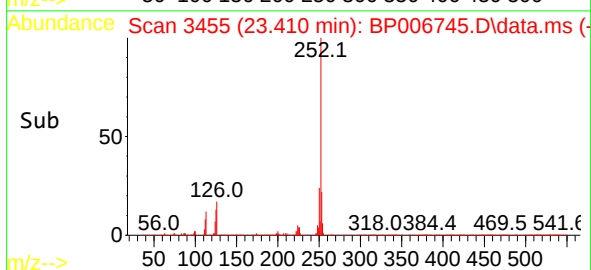
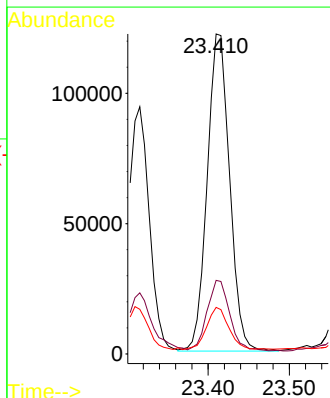
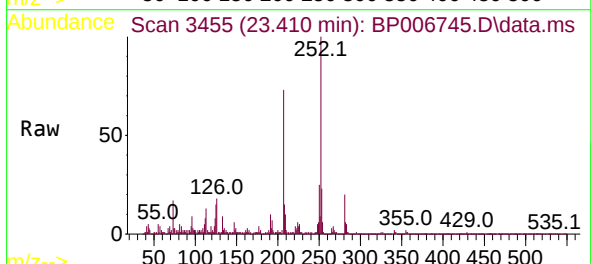
Delta R.T. -0.012 min

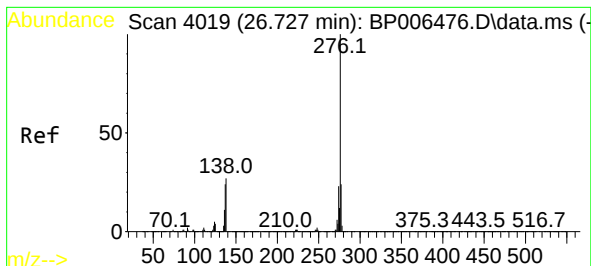
Lab File: BP006745.D

Acq: 18 Aug 2021 15:14

Tgt Ion:252 Resp: 233688

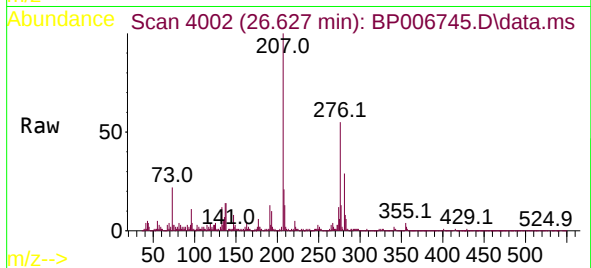
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.0  | 17.9  | 26.9  |
| 125 | 14.6  | 6.5   | 9.7   |





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.205 ng  
 RT: 26.627 min Scan# 4002  
 Delta R.T. -0.029 min  
 Lab File: BP006745.D  
 Acq: 18 Aug 2021 15:14

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-1



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 175938 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.4  | 18.9  | 28.3   |
| 138       | 25.3  | 12.6  | 18.8#  |

