

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091820\  
 Data File : BP003330.D  
 Acq On : 18 Sep 2020 19:57  
 Operator : CG/JU  
 Sample : L3870-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SU-02-091720

Quant Time: Sep 19 06:19:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 14:13:41 2020  
 Response via : Initial Calibration

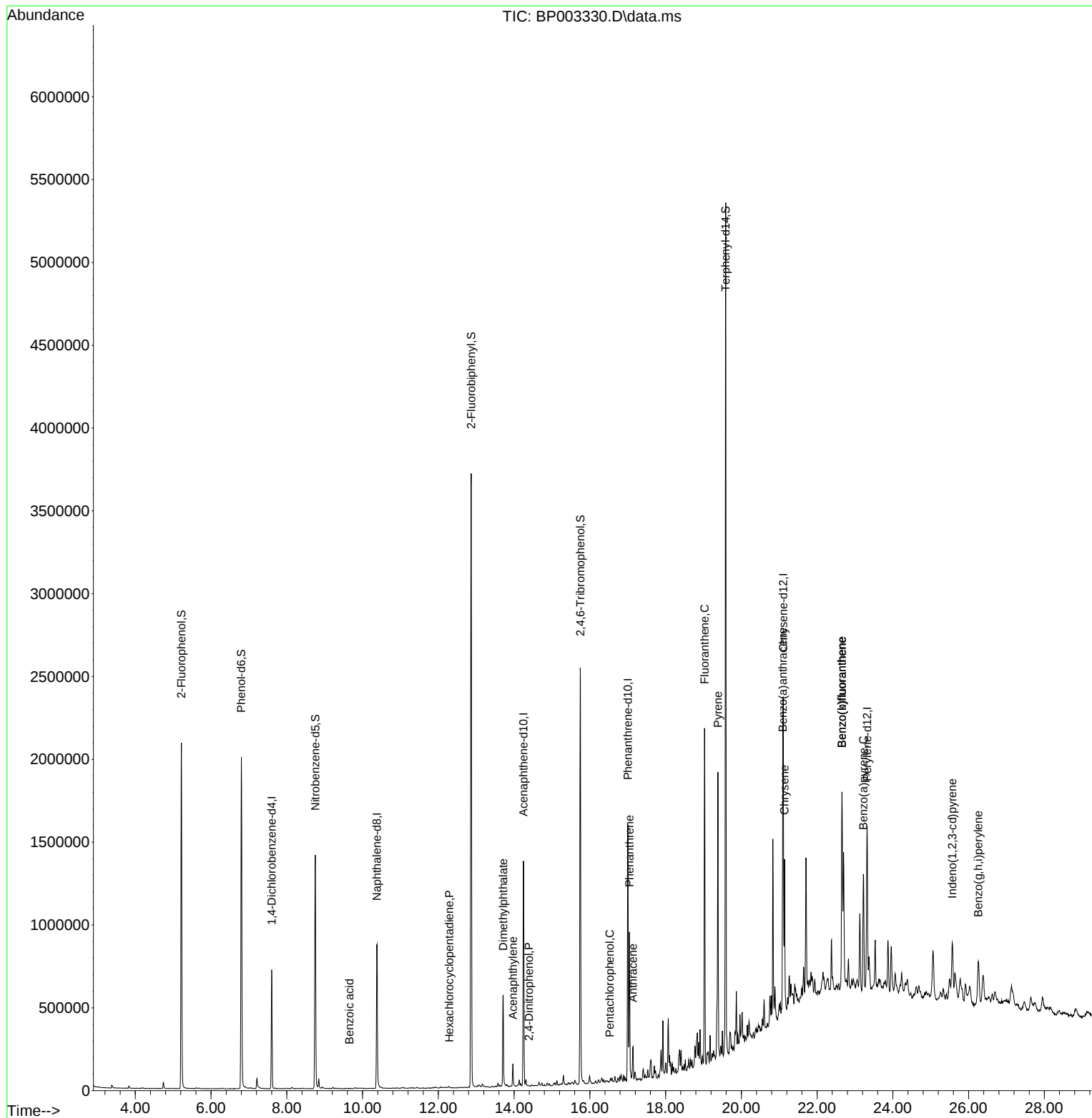
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.599  | 152  | 201665   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.375 | 136  | 813666   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.245 | 164  | 488358   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.004 | 188  | 939634   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.104 | 240  | 705881   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.321 | 264  | 707209   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.216  | 112  | 1028461  | 89.05 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.799  | 99   | 1334421  | 86.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.752  | 82   | 889437   | 64.22 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.751 | 330  | 545159   | 73.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.869 | 172  | 2075153  | 62.15 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.586 | 244  | 2247993  | 66.35 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 32) Benzoic acid              | 9.651  | 122  | 122      | 9.17  | ng    | 94       |
| 41) Hexachlorocyclopentadiene | 12.287 | 237  | 21       | 6.84  | ng    | 92       |
| 49) Acenaphthylene            | 13.969 | 152  | 103328   | 2.24  | ng    | 99       |
| 50) Dimethylphthalate         | 13.710 | 163  | 390424   | 10.01 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.392 | 184  | 41       | 7.26  | ng    | # 1      |
| 70) Pentachlorophenol         | 16.522 | 266  | 48       | 6.78  | ng    | 91       |
| 71) Phenanthrene              | 17.045 | 178  | 528248   | 10.33 | ng    | 100      |
| 72) Anthracene                | 17.139 | 178  | 131766   | 2.62  | ng    | 99       |
| 75) Fluoranthene              | 19.027 | 202  | 1193119  | 18.56 | ng    | 99       |
| 78) Pyrene                    | 19.380 | 202  | 1001840  | 22.76 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.092 | 228  | 509116   | 11.16 | ng    | 96       |
| 83) Chrysene                  | 21.139 | 228  | 506638   | 11.56 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.568 | 276  | 340350   | 6.35  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 22.657 | 252  | 702338   | 15.73 | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 22.657 | 252  | 702338   | 16.41 | ng    | 97       |
| 90) Benzo(a)pyrene            | 23.221 | 252  | 461987   | 10.97 | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 26.256 | 276  | 323340   | 7.32  | ng    | 97       |
| -----                         |        |      |          |       |       |          |

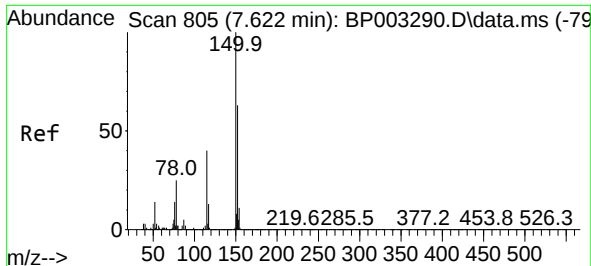
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091820\  
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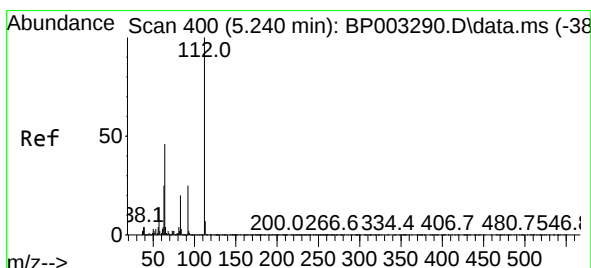
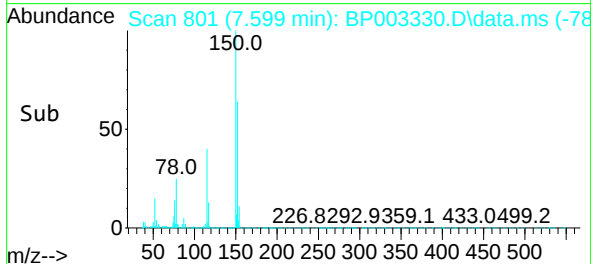
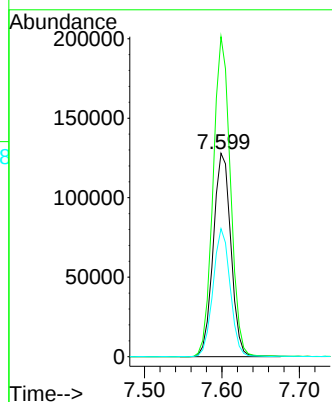
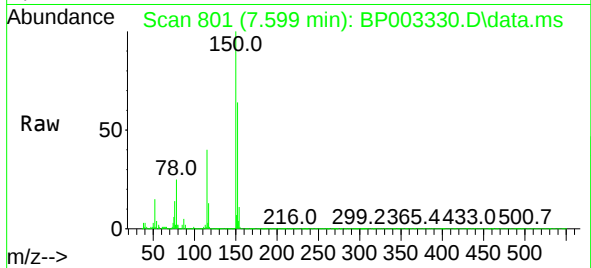




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.599 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

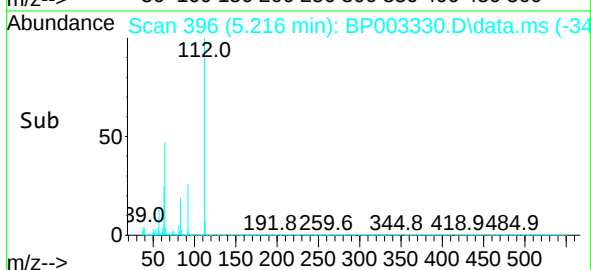
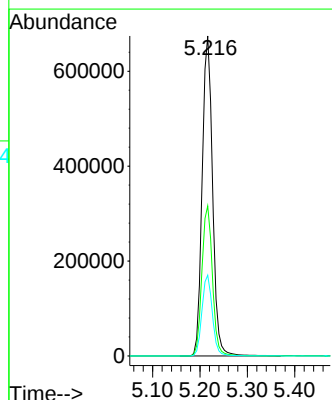
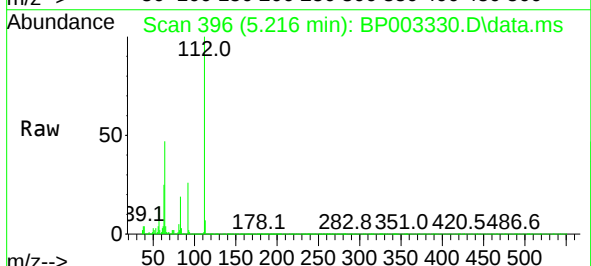
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

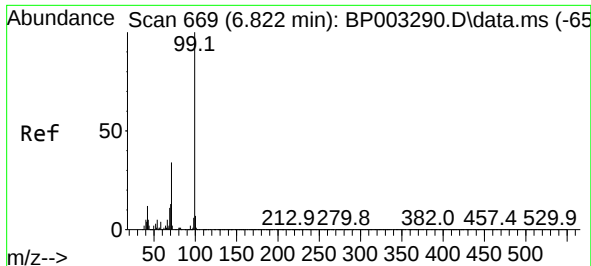
Tgt Ion:152 Resp: 201665  
Ion Ratio Lower Upper  
152 100  
150 157.4 123.8 185.6  
115 63.0 43.8 65.6



#5  
2-Fluorophenol  
Concen: 89.05 ng  
RT: 5.216 min Scan# 396  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:112 Resp: 1028461  
Ion Ratio Lower Upper  
112 100  
64 46.9 32.8 49.2  
63 25.3 17.0 25.4

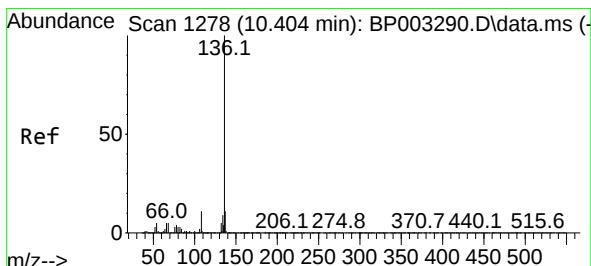
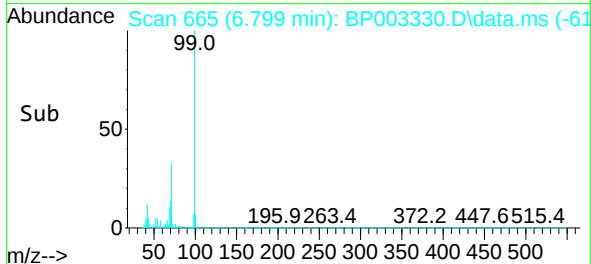
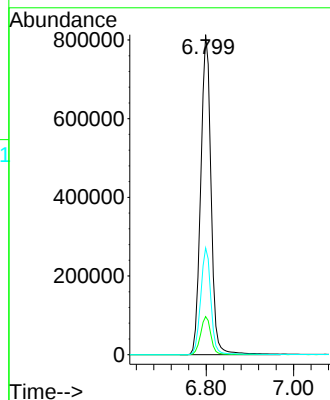
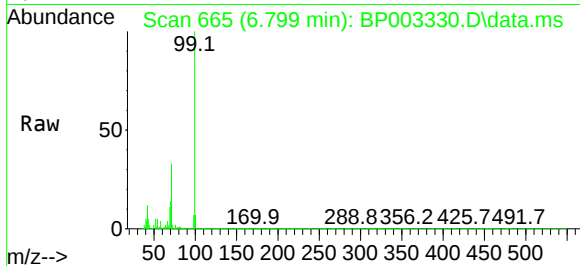




#7  
Phenol-d6  
Concen: 86.68 ng  
RT: 6.799 min Scan# 665  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

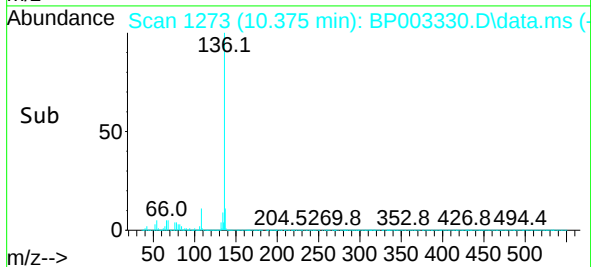
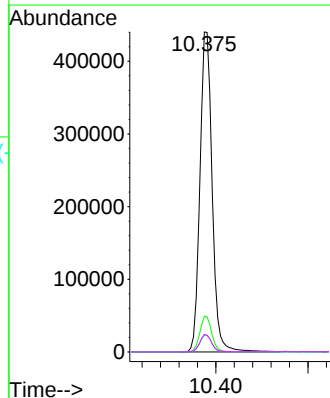
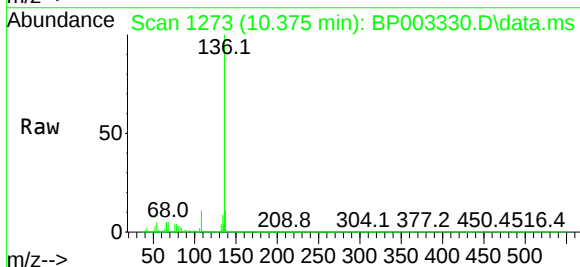
Instrument :  
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ClientSampleId :  
SU-02-091720

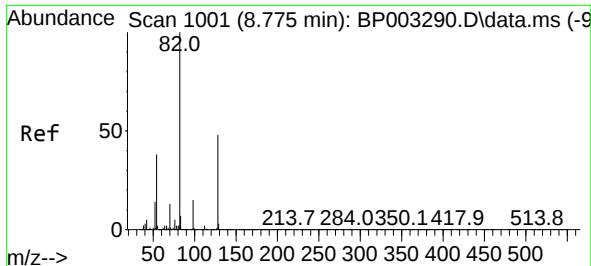
Tgt Ion: 99 Resp: 1334421  
Ion Ratio Lower Upper  
99 100  
42 11.9 8.6 13.0  
71 33.3 23.4 35.2



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.375 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion: 136 Resp: 813666  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 5.2 3.6 5.4  
68 5.5 3.3 4.9#

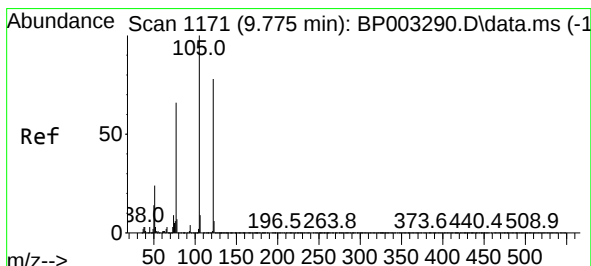
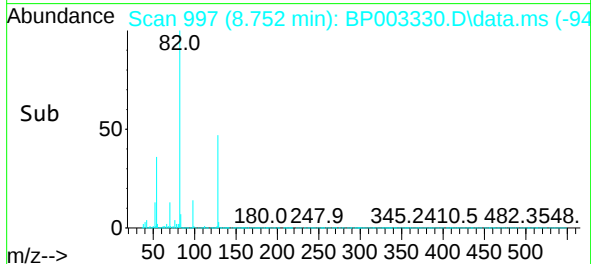
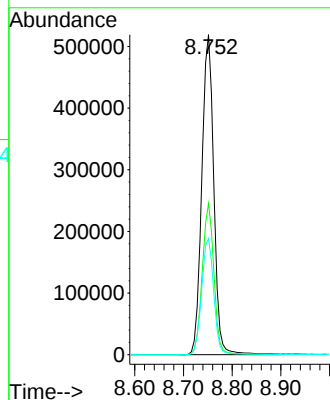
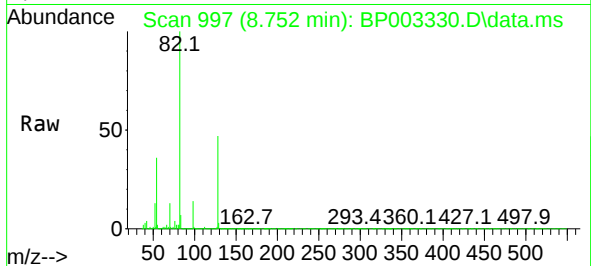




#23  
Nitrobenzene-d5  
Concen: 64.22 ng  
RT: 8.752 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

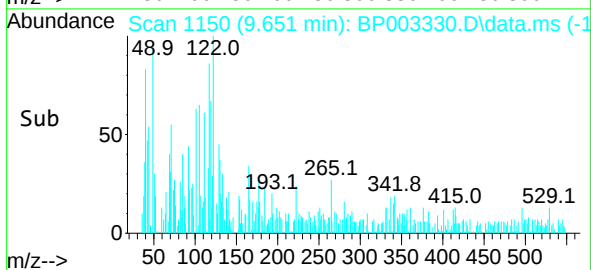
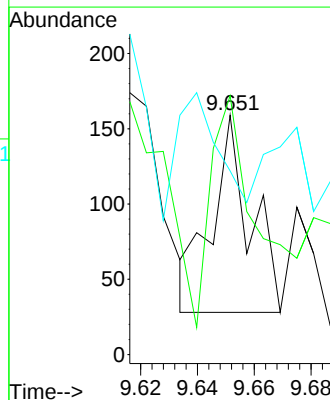
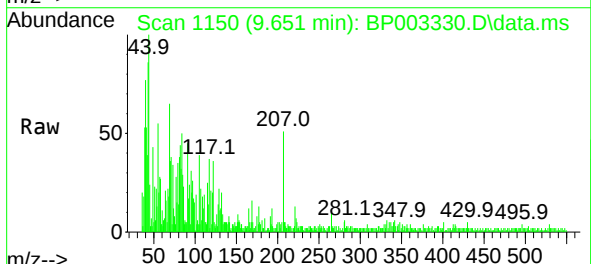
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

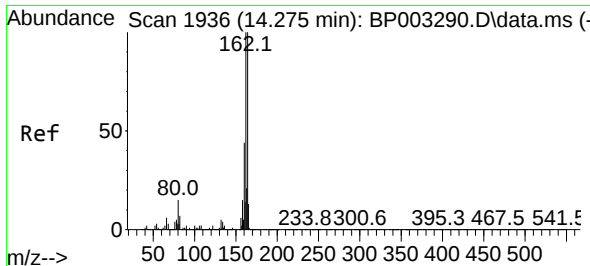
Tgt Ion: 82 Resp: 889437  
Ion Ratio Lower Upper  
82 100  
128 47.3 45.6 68.4  
54 36.3 30.1 45.1



#32  
Benzoic acid  
Concen: 9.17 ng  
RT: 9.651 min Scan# 1150  
Delta R.T. -0.100 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion: 122 Resp: 122  
Ion Ratio Lower Upper  
122 100  
105 108.2 94.1 134.1  
77 76.7 50.1 90.1

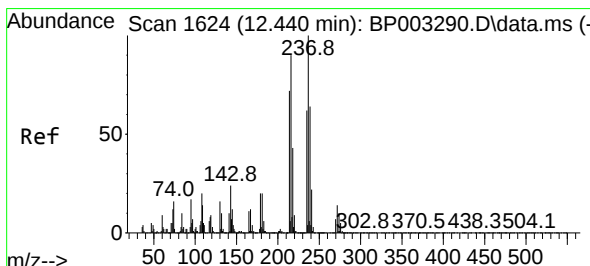
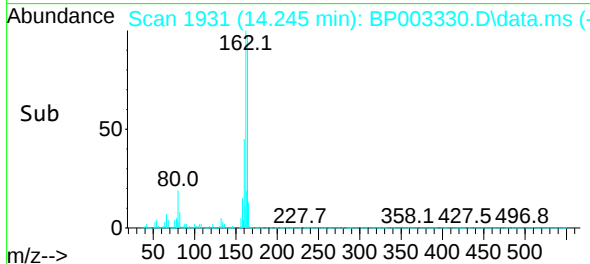
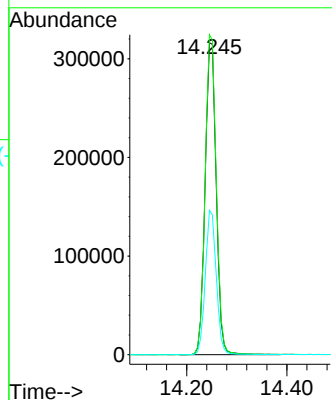
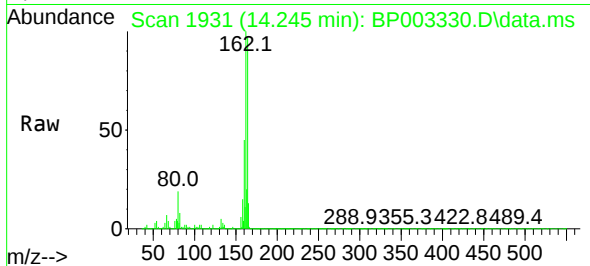




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.245 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

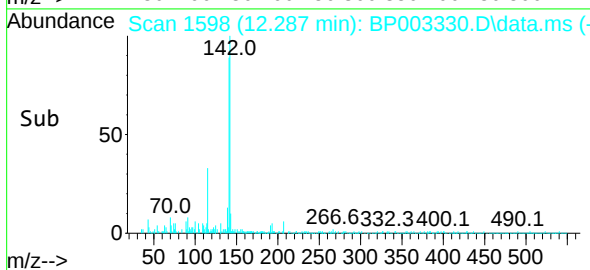
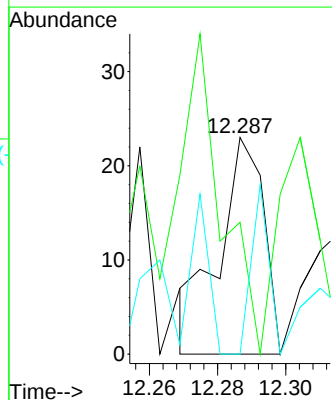
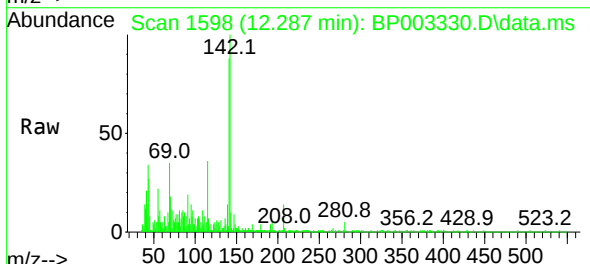
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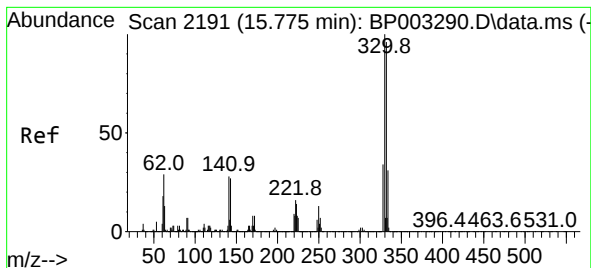
Tgt Ion:164 Resp: 488358  
Ion Ratio Lower Upper  
164 100  
162 102.6 79.4 119.2  
160 46.3 36.1 54.1



#41  
Hexachlorocyclopentadiene  
Concen: 6.84 ng  
RT: 12.287 min Scan# 1598  
Delta R.T. -0.124 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:237 Resp: 21  
Ion Ratio Lower Upper  
237 100  
235 60.9 43.2 83.2  
272 0.0 0.0 33.3

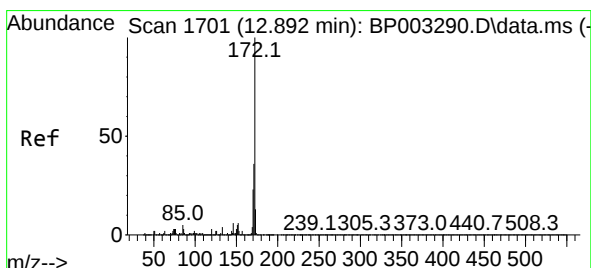
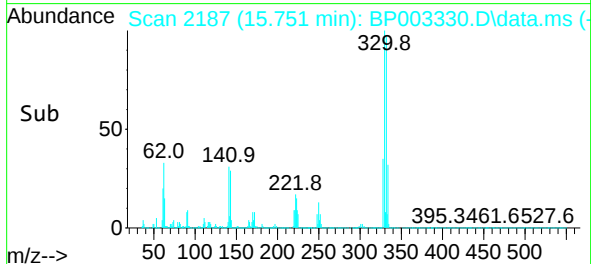
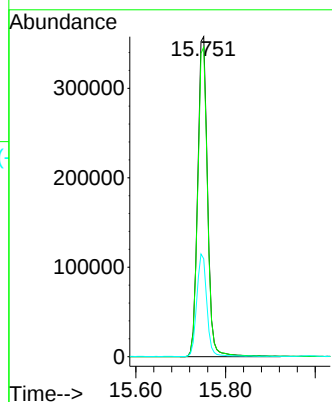
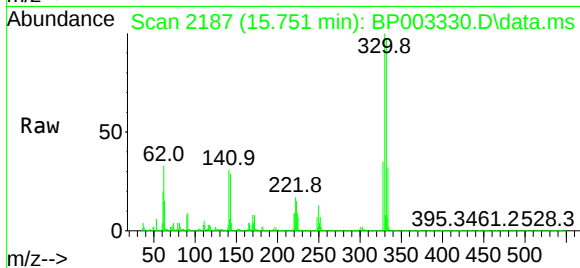




#42  
2,4,6-Tribromophenol  
Concen: 73.19 ng  
RT: 15.751 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

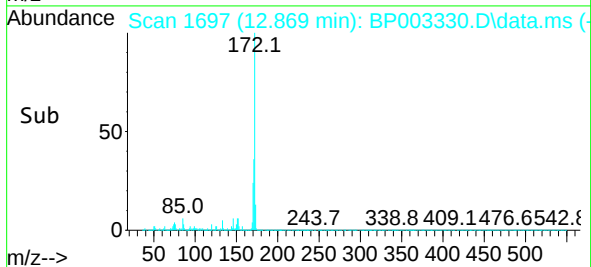
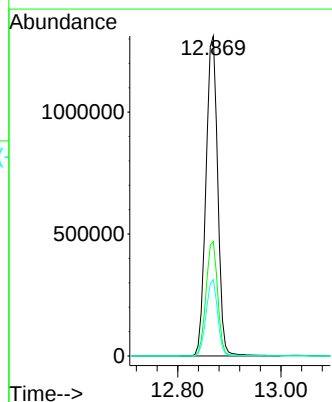
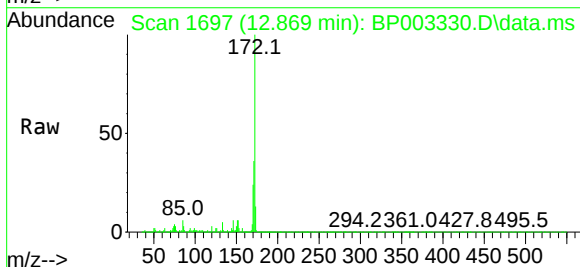
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BNA\_P  
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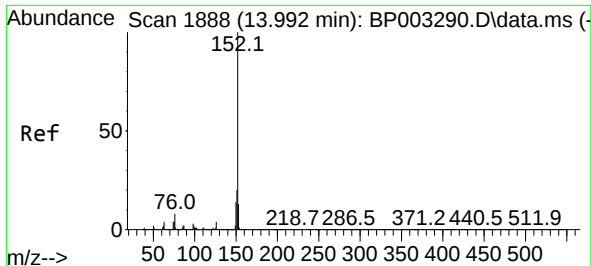
Tgt Ion:330 Resp: 545159  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.1 115.7  
141 32.6 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 62.15 ng  
RT: 12.869 min Scan# 1697  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:172 Resp: 2075153  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.5 42.7  
170 23.8 19.2 28.8

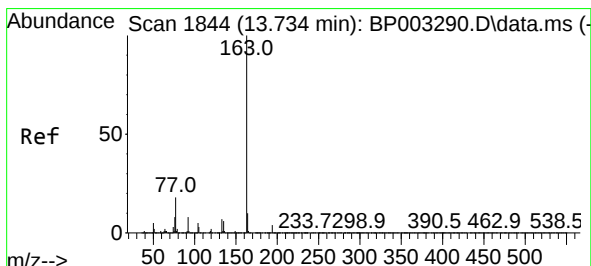
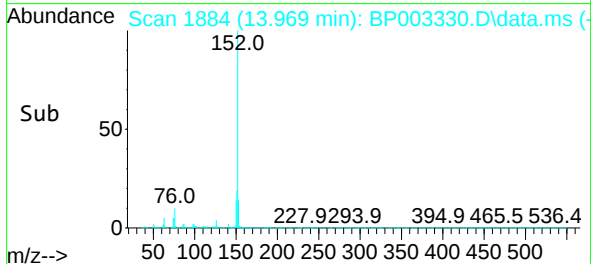
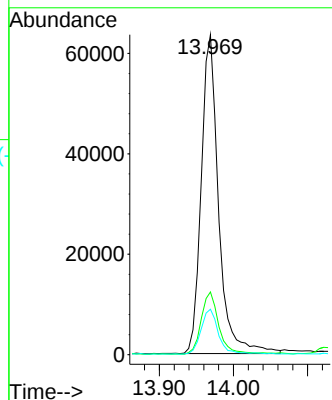
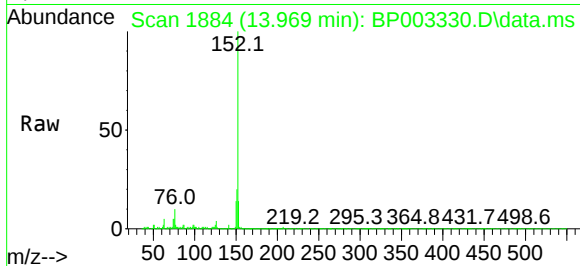




#49  
Acenaphthylene  
Concen: 2.24 ng  
RT: 13.969 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

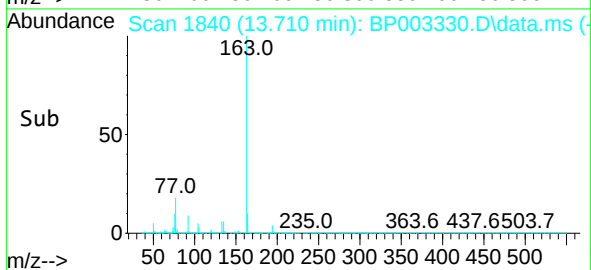
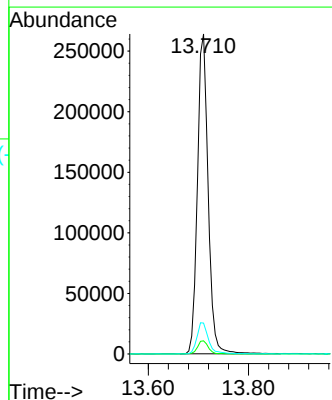
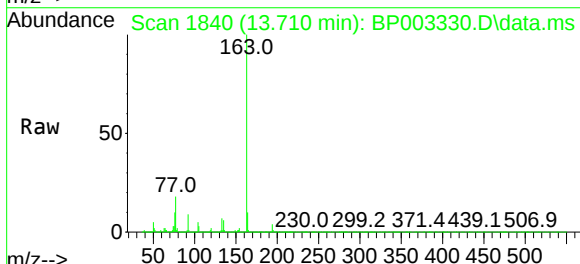
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BNA\_P  
ClientSampleId :  
SU-02-091720

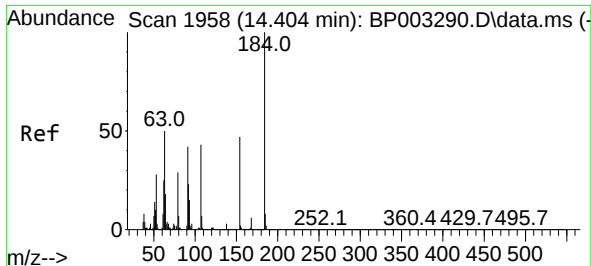
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Ion Ratio Lower Upper  
152 100  
151 19.6 15.9 23.9  
153 14.2 10.5 15.7



#50  
Dimethylphthalate  
Concen: 10.01 ng  
RT: 13.710 min Scan# 1840  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:163 Resp: 390424  
Ion Ratio Lower Upper  
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194 4.1 3.3 4.9  
164 9.6 8.2 12.2

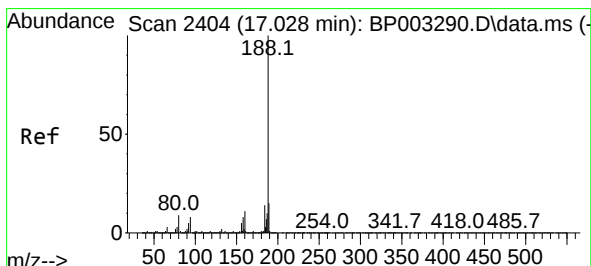
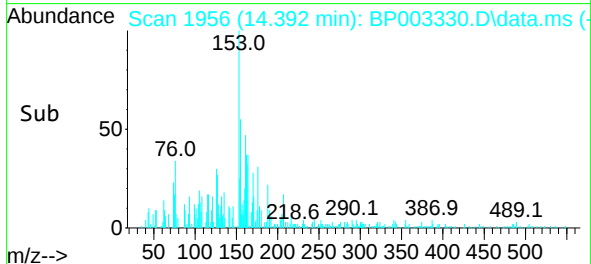
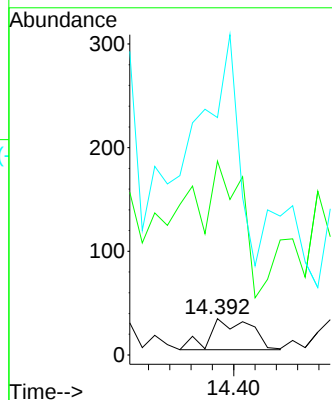
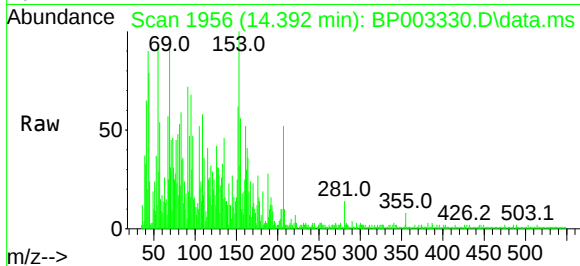




#54  
2,4-Dinitrophenol  
Concen: 7.26 ng  
RT: 14.392 min Scan# 1956  
Delta R.T. 0.012 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

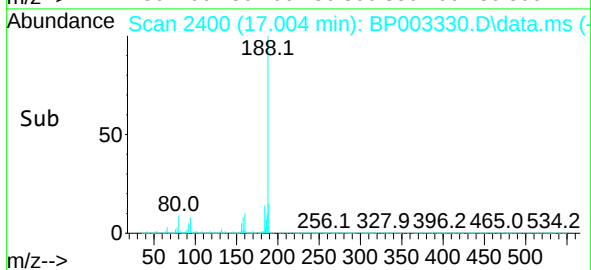
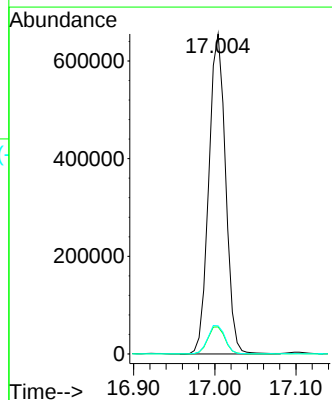
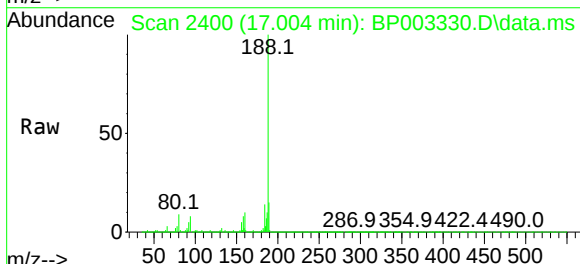
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

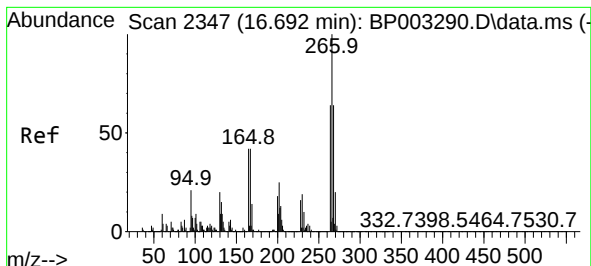
Tgt Ion:184 Resp: 41  
Ion Ratio Lower Upper  
184 100  
63 534.3 32.3 48.5#  
154 654.3 49.1 73.7#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.004 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:188 Resp: 939634  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.2 9.2  
80 8.8 6.2 9.2

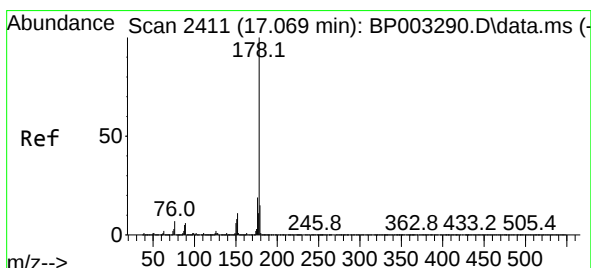
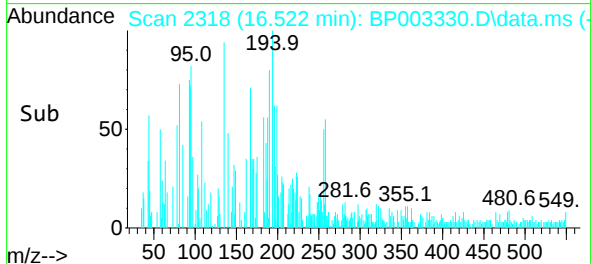
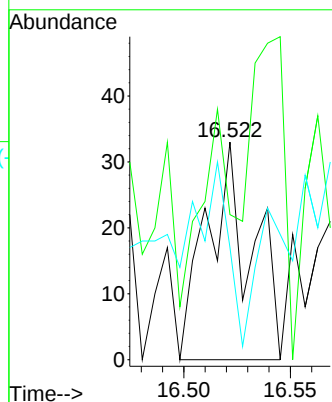
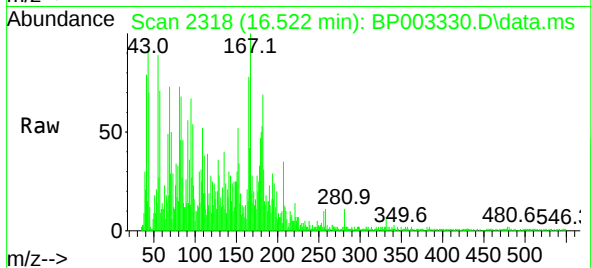




#70  
Pentachlorophenol  
Concen: 6.78 ng  
RT: 16.522 min Scan# 2318  
Delta R.T. -0.147 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

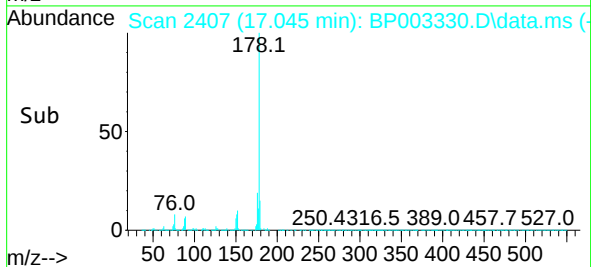
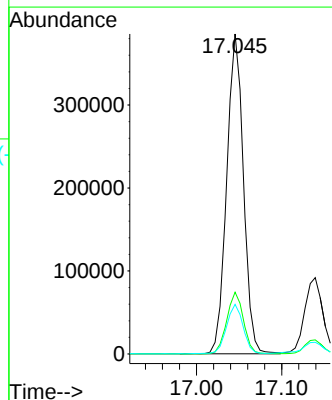
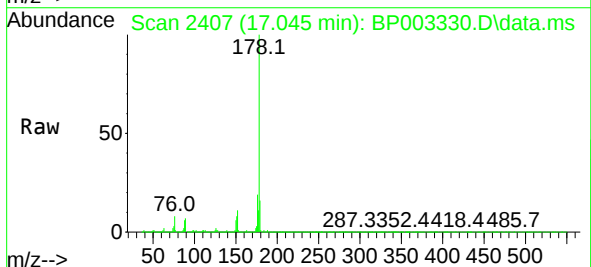
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

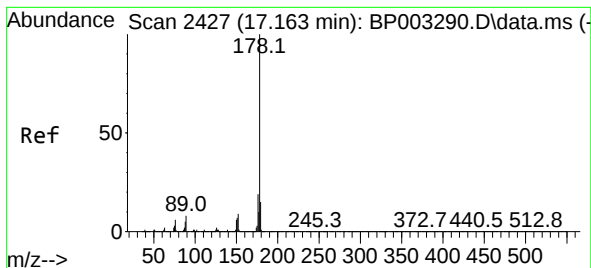
Tgt Ion:266 Resp: 48  
Ion Ratio Lower Upper  
266 100  
268 66.7 51.1 76.7  
264 51.5 50.6 76.0



#71  
Phenanthrene  
Concen: 10.33 ng  
RT: 17.045 min Scan# 2407  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:178 Resp: 528248  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.5 12.5 18.7

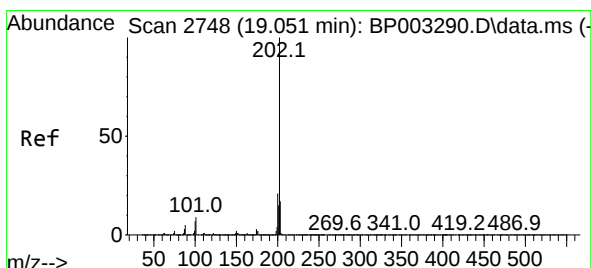
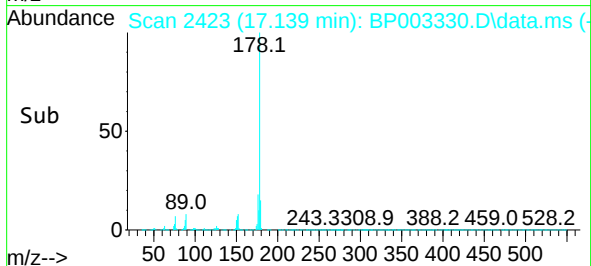
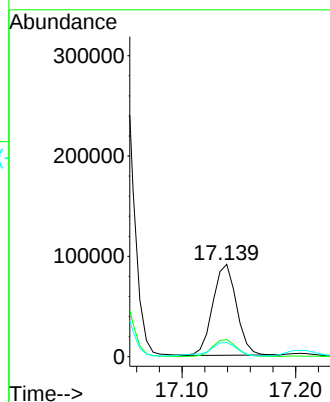
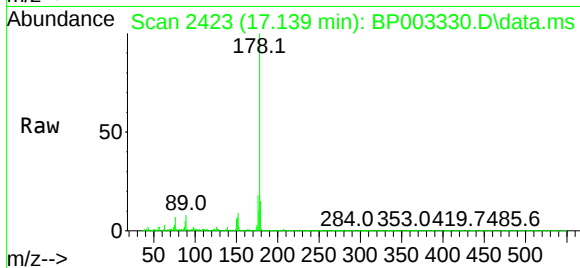




#72  
 Anthracene  
 Concen: 2.62 ng  
 RT: 17.139 min Scan# 2423  
 Delta R.T. 0.006 min  
 Lab File: BP003330.D  
 Acq: 18 Sep 2020 19:57

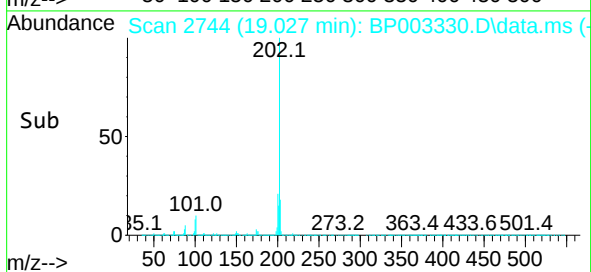
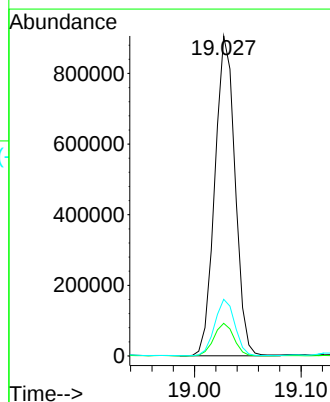
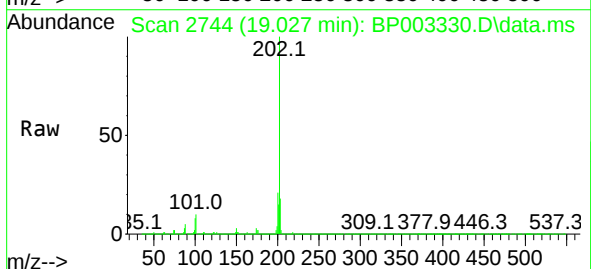
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SU-02-091720

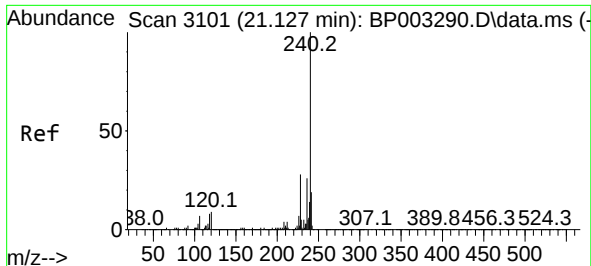
Tgt Ion:178 Resp: 131766  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.0 22.4  
 179 15.2 12.5 18.7



#75  
 Fluoranthene  
 Concen: 18.56 ng  
 RT: 19.027 min Scan# 2744  
 Delta R.T. -0.000 min  
 Lab File: BP003330.D  
 Acq: 18 Sep 2020 19:57

Tgt Ion:202 Resp: 1193119  
 Ion Ratio Lower Upper  
 202 100  
 101 10.2 0.0 29.4  
 203 17.7 0.0 37.8

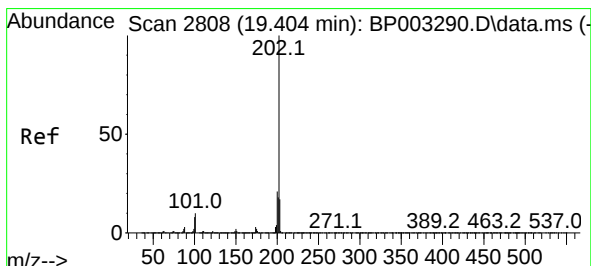
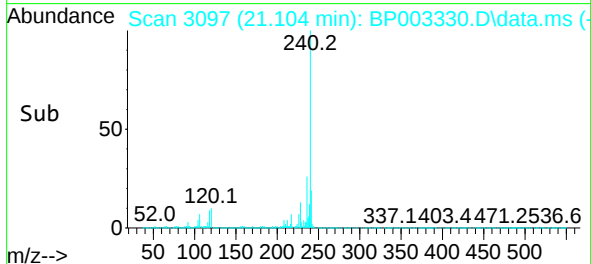
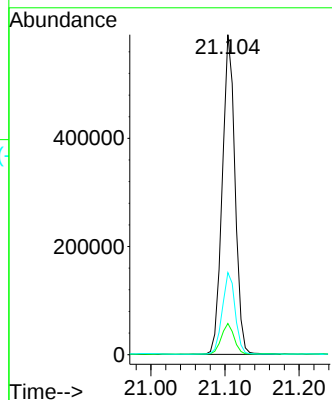
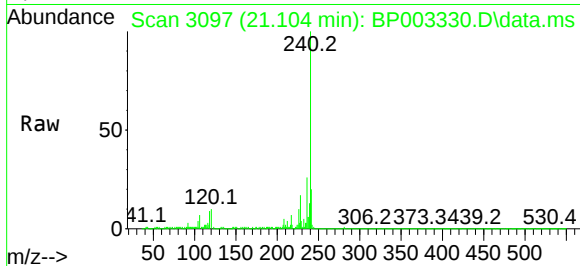




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.104 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

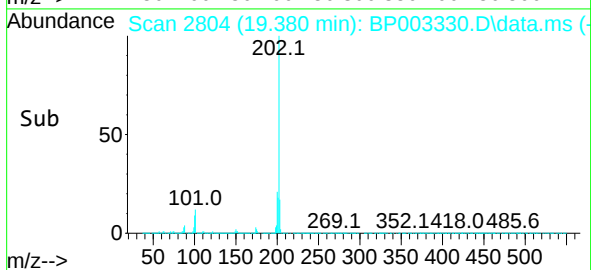
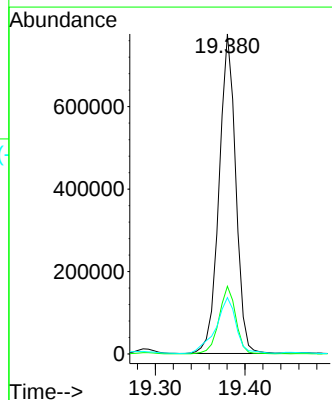
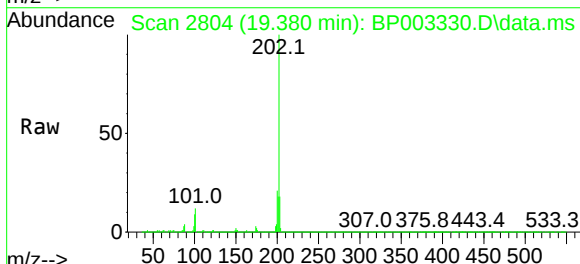
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

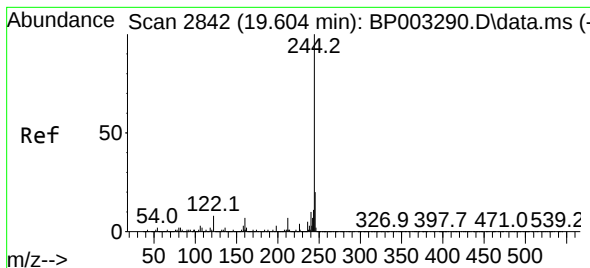
Tgt Ion:240 Resp: 705881  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.8 11.6  
236 25.7 20.8 31.2



#78  
Pyrene  
Concen: 22.76 ng  
RT: 19.380 min Scan# 2804  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:202 Resp: 1001840  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.1 25.7  
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 66.35 ng

RT: 19.586 min Scan# 2839

Delta R.T. 0.006 min

Lab File: BP003330.D

Acq: 18 Sep 2020 19:57

Instrument :

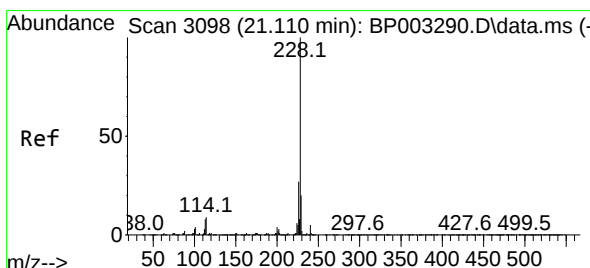
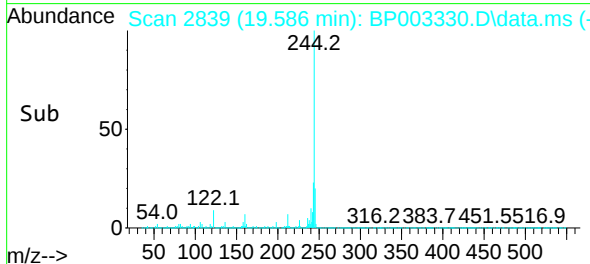
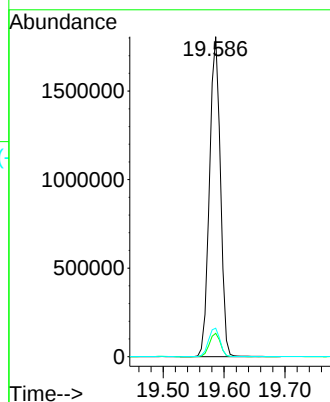
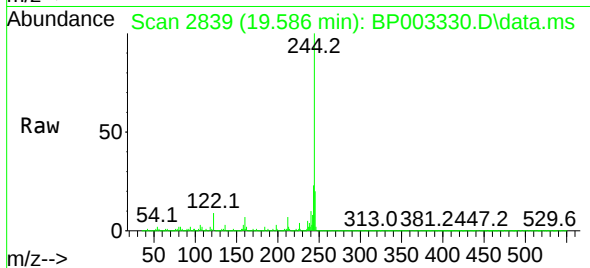
BNA\_P

ClientSampleId :

SU-02-091720

Tgt Ion:244 Resp: 2247993

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.8   | 8.6   |
| 122 | 8.9   | 7.8   | 11.8  |



#81

Benzo(a)anthracene

Concen: 11.16 ng

RT: 21.092 min Scan# 3095

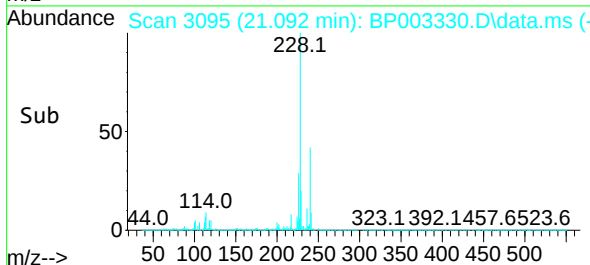
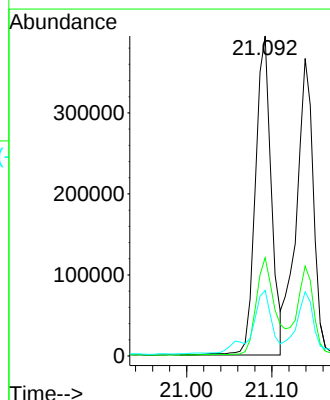
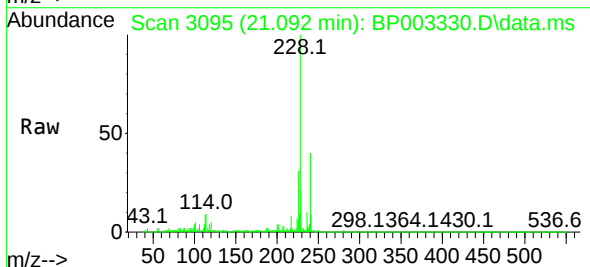
Delta R.T. 0.006 min

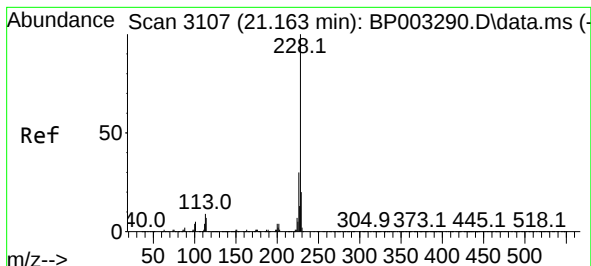
Lab File: BP003330.D

Acq: 18 Sep 2020 19:57

Tgt Ion:228 Resp: 509116

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 22.1  | 33.1  |
| 229 | 20.5  | 15.9  | 23.9  |





#83

Chrysene

Concen: 11.56 ng

RT: 21.139 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BP003330.D

Acq: 18 Sep 2020 19:57

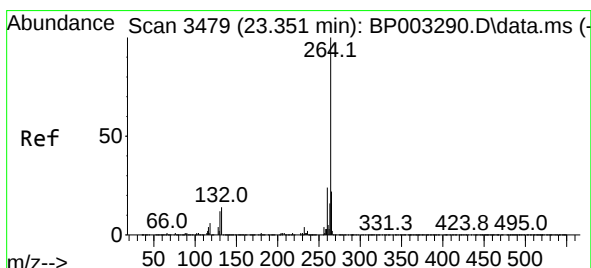
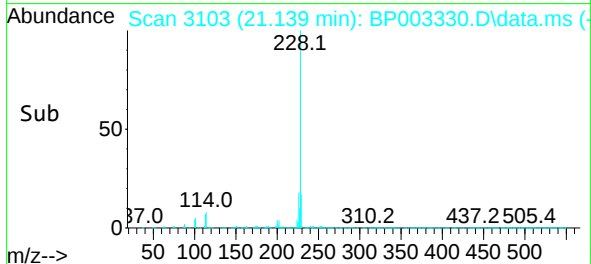
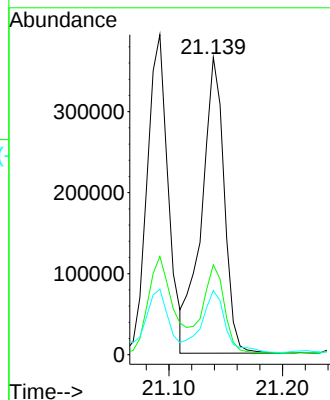
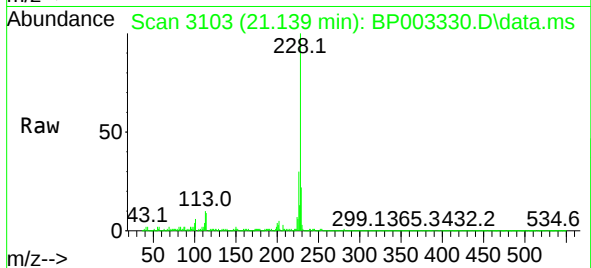
Tgt Ion:228 Resp: 506638

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 21.6 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.321 min Scan# 3474

Delta R.T. 0.006 min

Lab File: BP003330.D

Acq: 18 Sep 2020 19:57

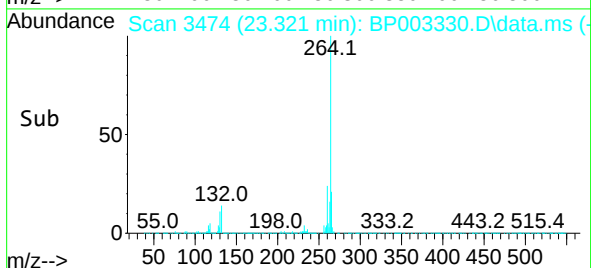
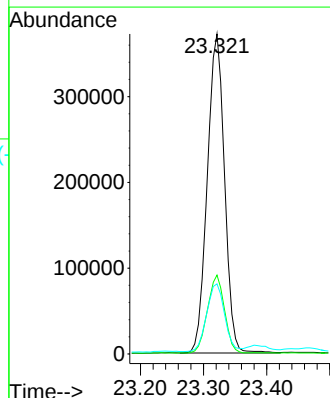
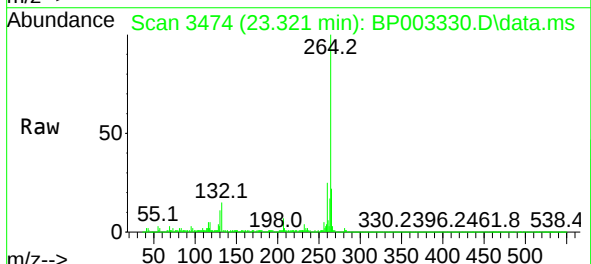
Tgt Ion:264 Resp: 707209

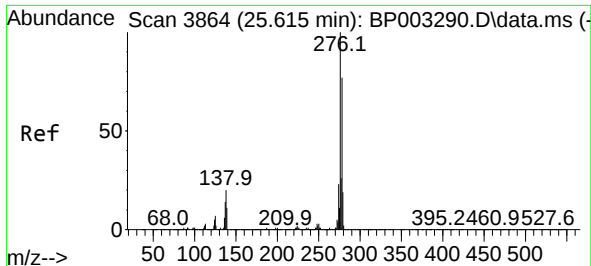
Ion Ratio Lower Upper

264 100

260 24.6 18.8 28.2

265 21.9 17.4 26.2

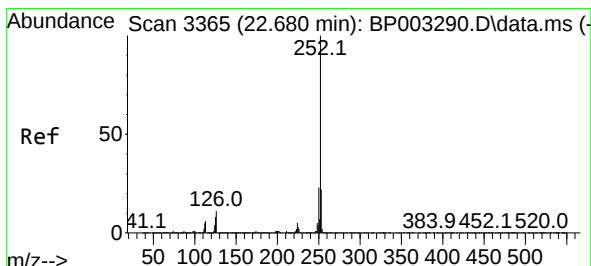
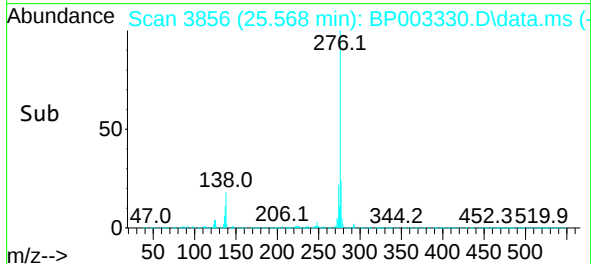
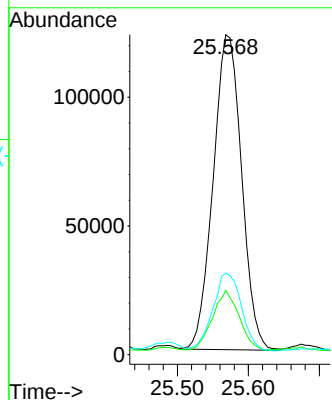
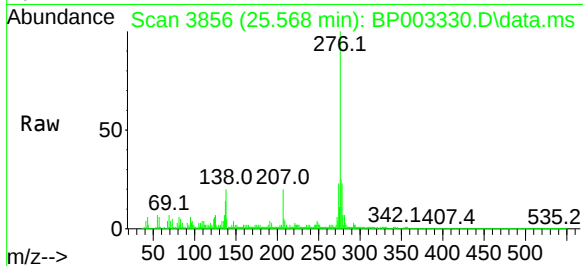




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.35 ng  
RT: 25.568 min Scan# 3856  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

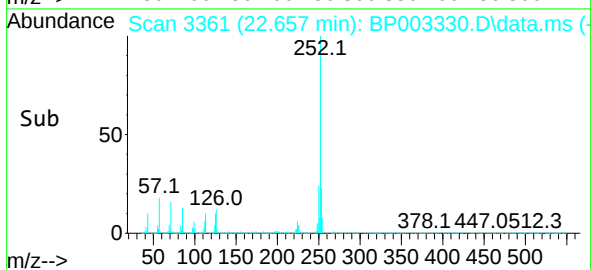
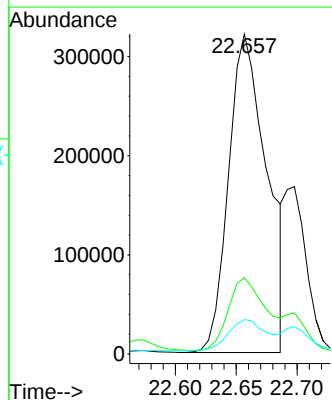
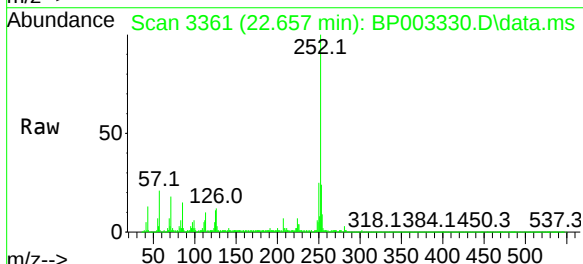
Instrument :  
BNA\_P  
ClientSampleId :  
SU-02-091720

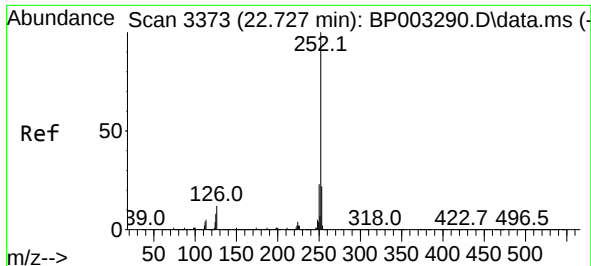
Tgt Ion:276 Resp: 340350  
Ion Ratio Lower Upper  
276 100  
138 17.6 18.7 28.1#  
277 24.8 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 15.73 ng  
RT: 22.657 min Scan# 3361  
Delta R.T. 0.006 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:252 Resp: 702338  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.6 26.4  
125 10.7 7.3 10.9

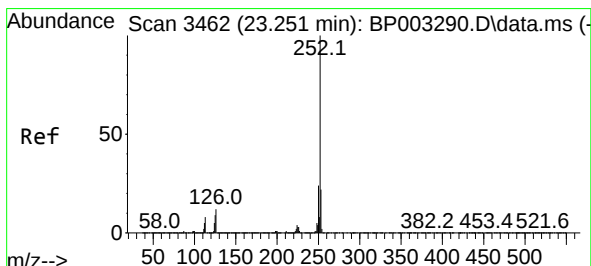
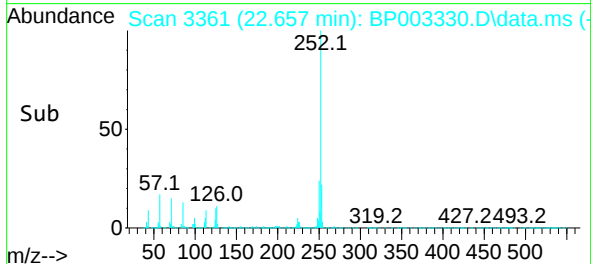
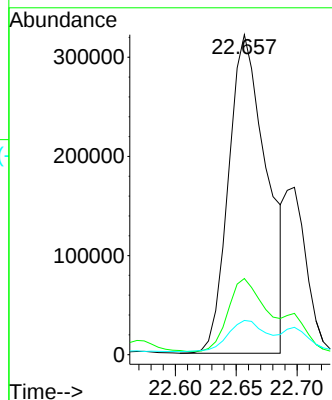
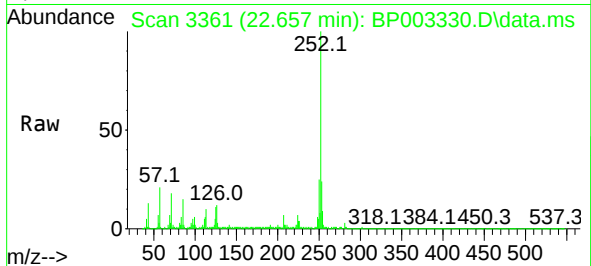




#89  
Benzo(k)fluoranthene  
Concen: 16.41 ng  
RT: 22.657 min Scan# 3361  
Delta R.T. -0.036 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

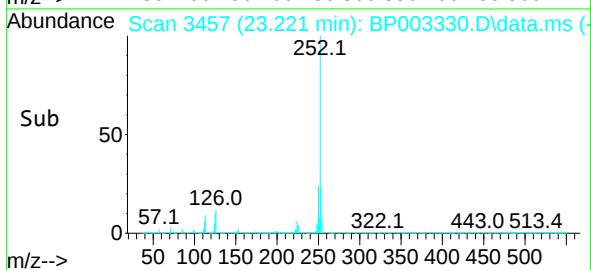
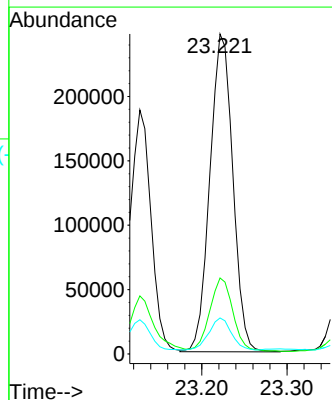
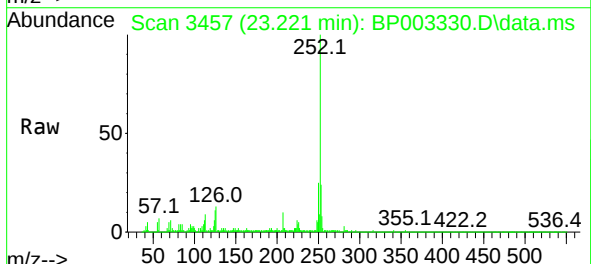
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BNA\_P  
ClientSampleId :  
SU-02-091720

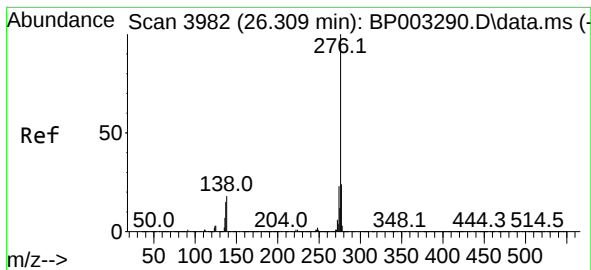
Tgt Ion:252 Resp: 702338  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.8  
125 10.7 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 10.97 ng  
RT: 23.221 min Scan# 3457  
Delta R.T. -0.000 min  
Lab File: BP003330.D  
Acq: 18 Sep 2020 19:57

Tgt Ion:252 Resp: 461987  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.4 26.0  
125 11.3 8.2 12.4





#92

Benzo(g,h,i)perylene

Concen: 7.32 ng

RT: 26.256 min Scan# 3973

Delta R.T. -0.000 min

Lab File: BP003330.D

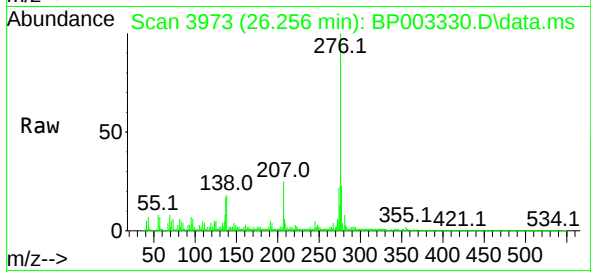
Acq: 18 Sep 2020 19:57

Instrument :

BNA\_P

ClientSampleId :

SU-02-091720



Tgt Ion: 276 Resp: 323340

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 18.5 16.6 24.8

