

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100521\  
 Data File : BP007344.D  
 Acq On : 06 Oct 2021 01:44  
 Operator : CG/JU  
 Sample : M4067-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SU-03-100421

Quant Time: Oct 06 05:28:35 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 01 12:49:05 2021  
 Response via : Initial Calibration

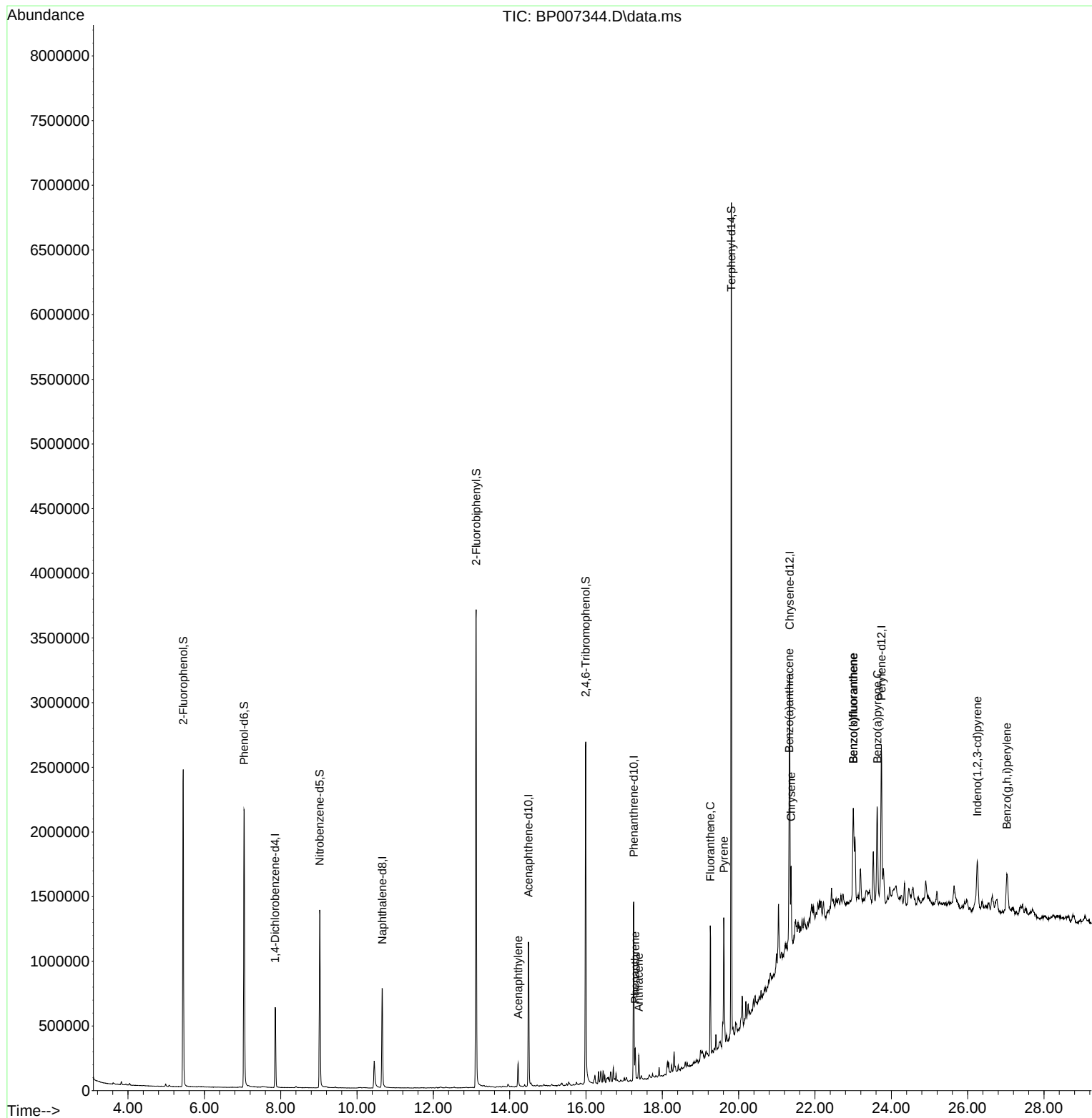
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.857  | 152  | 176217   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.663 | 136  | 677835   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.492 | 164  | 424271   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.251 | 188  | 876324   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.333 | 240  | 857061   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.739 | 264  | 919829   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.446  | 112  | 1172363  | 111.367 | ng    | 0.00     |
| 7) Phenol-d6                | 7.040  | 99   | 1423739  | 98.954  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.022  | 82   | 847071   | 72.776  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.992 | 330  | 591099   | 107.464 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.122 | 172  | 2110576  | 71.267  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.810 | 244  | 3127413  | 69.924  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 49) Acenaphthylene          | 14.222 | 152  | 159580   | 4.238   | ng    | 100      |
| 71) Phenanthrene            | 17.292 | 178  | 146541   | 3.119   | ng    | 99       |
| 72) Anthracene              | 17.386 | 178  | 126626   | 2.755   | ng    | 98       |
| 75) Fluoranthene            | 19.257 | 202  | 581101   | 10.734  | ng    | 97       |
| 78) Pyrene                  | 19.610 | 202  | 559454   | 9.949   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.321 | 228  | 379045   | 6.814   | ng    | 93       |
| 83) Chrysene                | 21.374 | 228  | 347326   | 6.532   | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.251 | 276  | 415006   | 6.278   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 23.004 | 252  | 666808   | 12.130  | ng    | # 92     |
| 89) Benzo(k)fluoranthene    | 23.004 | 252  | 666808   | 11.981  | ng    | # 92     |
| 90) Benzo(a)pyrene          | 23.633 | 252  | 493958   | 10.577  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 27.027 | 276  | 410726   | 7.597   | ng    | # 92     |
| -----                       |        |      |          |         |       |          |

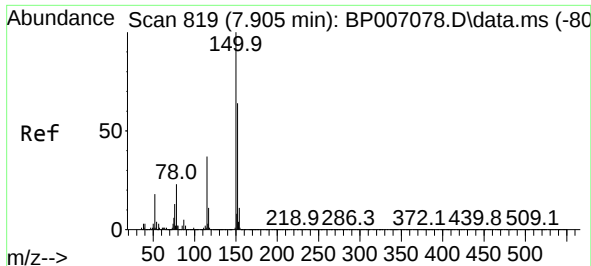
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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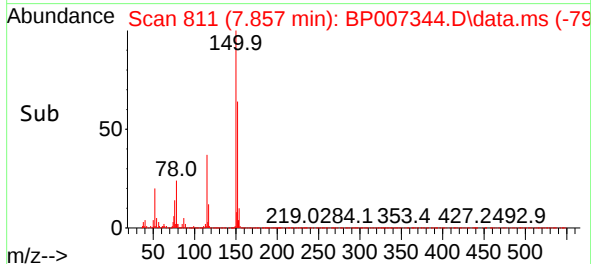
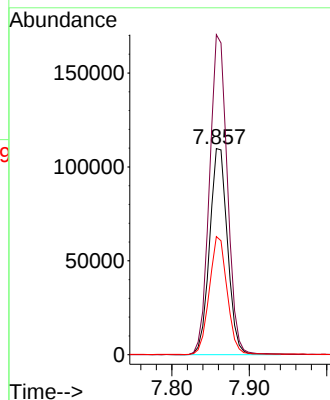
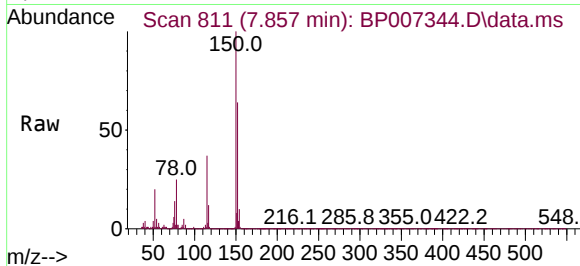




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

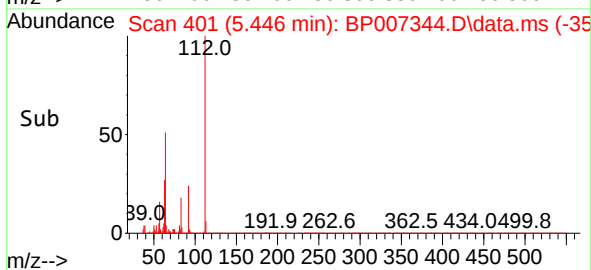
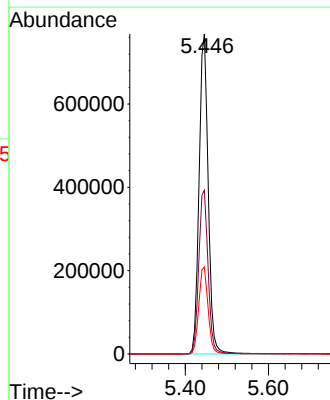
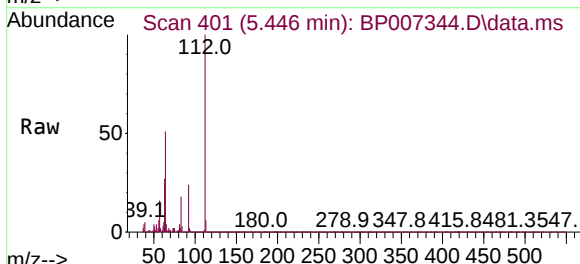
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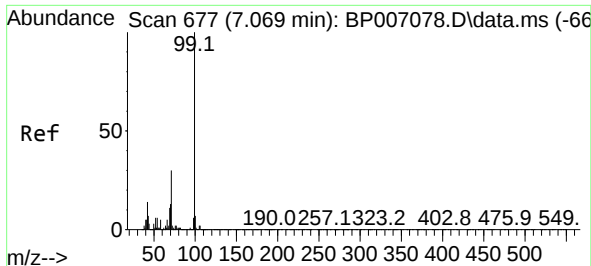
Tgt Ion:152 Resp: 176217  
Ion Ratio Lower Upper  
152 100  
150 155.3 125.6 188.4  
115 57.3 48.5 72.7



#5  
2-Fluorophenol  
Concen: 111.367 ng  
RT: 5.446 min Scan# 401  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:112 Resp: 1172363  
Ion Ratio Lower Upper  
112 100  
64 51.1 41.4 62.2  
63 27.2 23.8 35.8

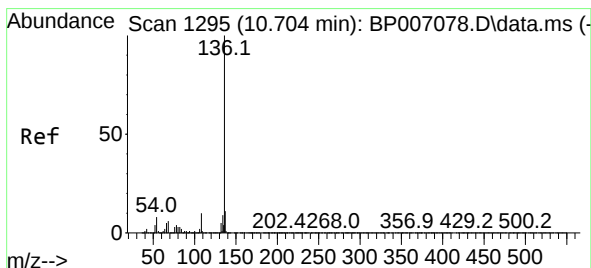
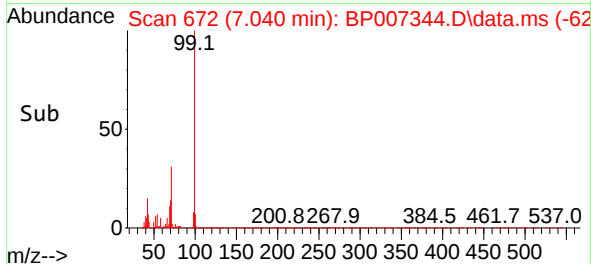
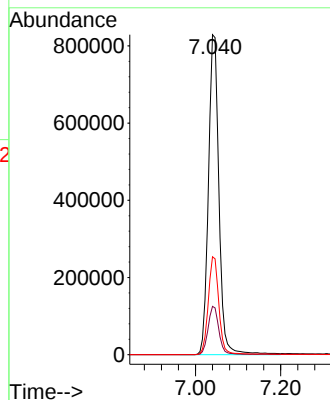
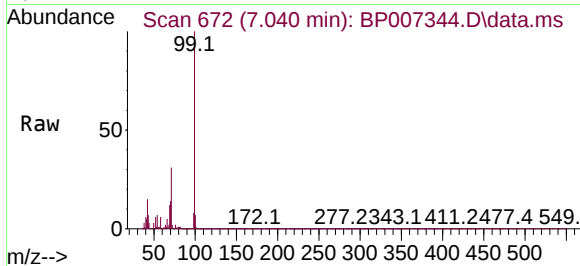




#7  
Phenol-d6  
Concen: 98.954 ng  
RT: 7.040 min Scan# 672  
Delta R.T. -0.012 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

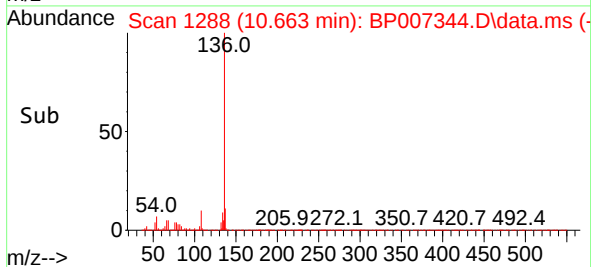
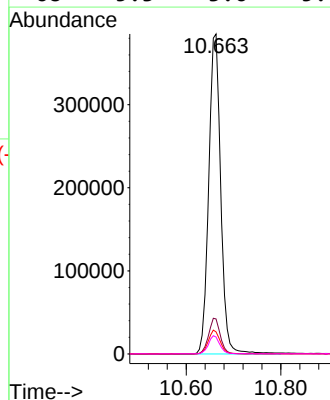
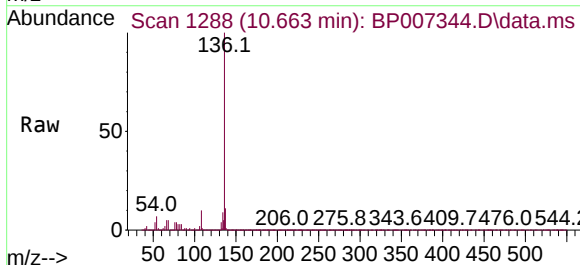
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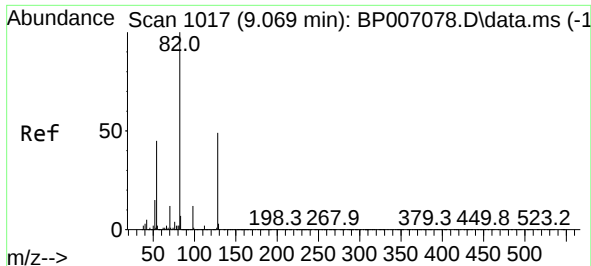
Tgt Ion: 99 Resp: 1423739  
Ion Ratio Lower Upper  
99 100  
42 15.1 13.4 20.0  
71 30.6 30.6 46.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.663 min Scan# 1288  
Delta R.T. 0.000 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion: 136 Resp: 677835  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 6.9 4.6 6.8#  
68 5.3 3.6 5.4

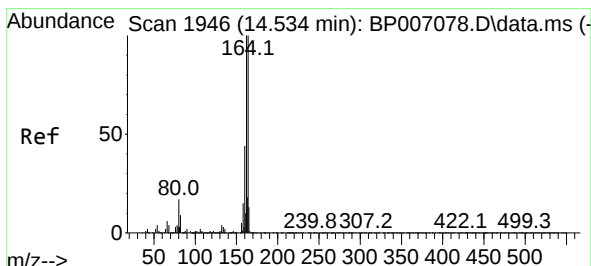
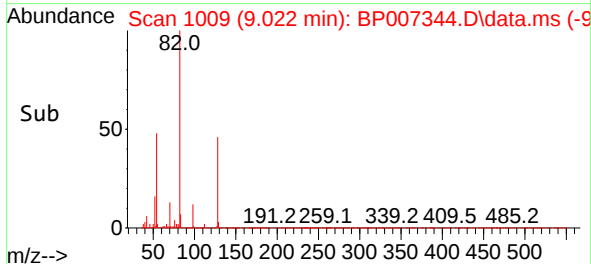
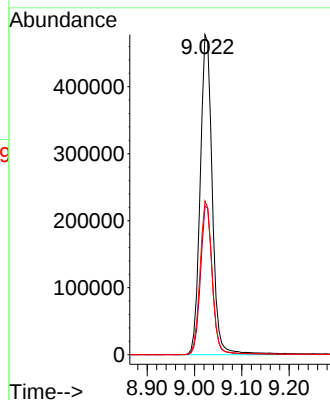
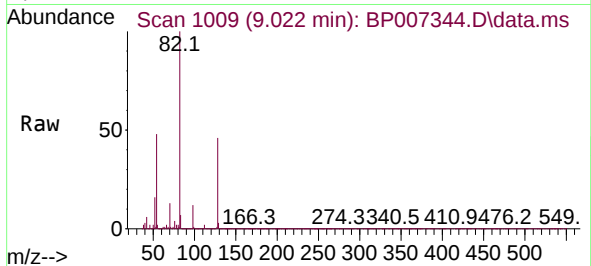




#23  
Nitrobenzene-d5  
Concen: 72.776 ng  
RT: 9.022 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

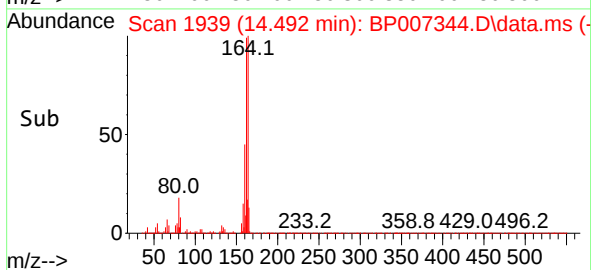
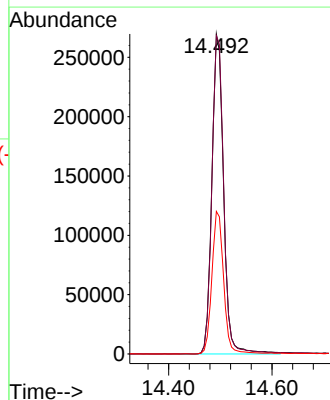
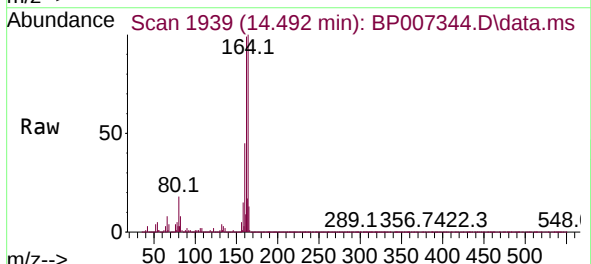
Instrument :  
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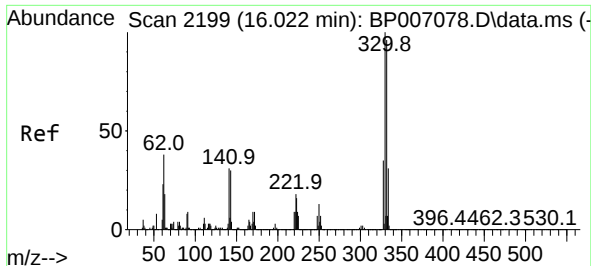
Tgt Ion: 82 Resp: 847071  
Ion Ratio Lower Upper  
82 100  
128 46.4 35.7 53.5  
54 48.0 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.492 min Scan# 1939  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion: 164 Resp: 424271  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.2 120.2  
160 44.5 34.5 51.7

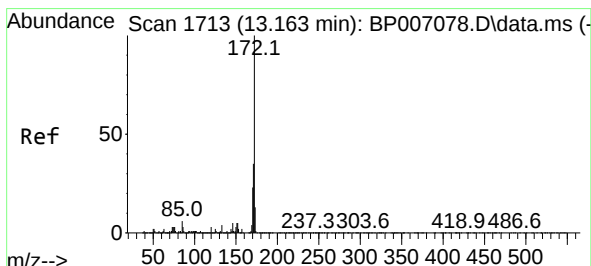
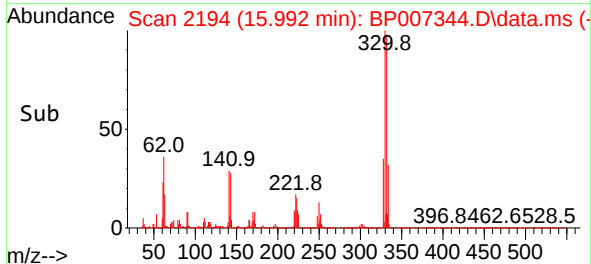
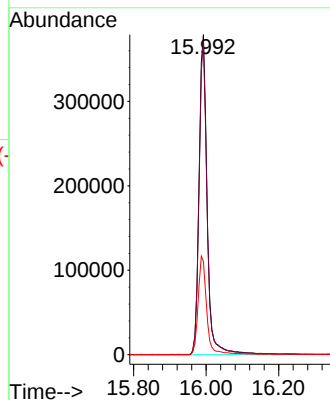
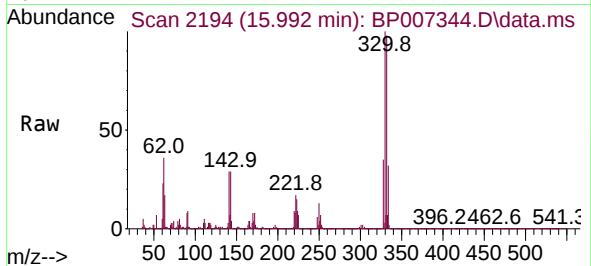




#42  
2,4,6-Tribromophenol  
Concen: 107.464 ng  
RT: 15.992 min Scan# 2194  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

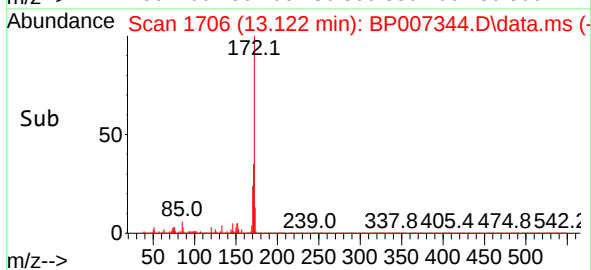
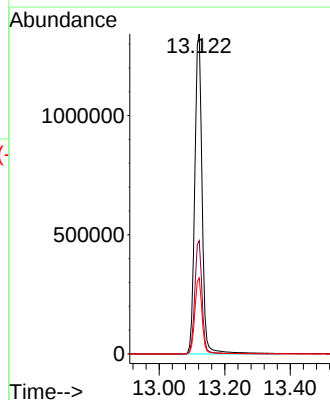
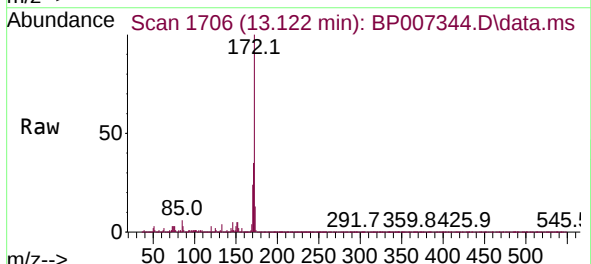
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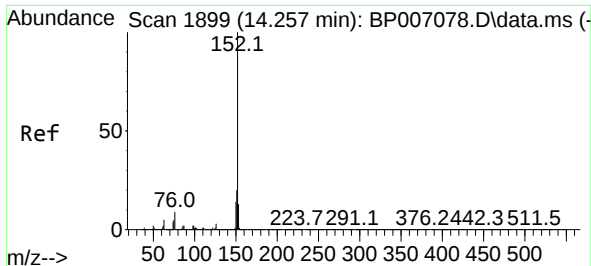
Tgt Ion:330 Resp: 591099  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.8 116.8  
141 32.2 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 71.267 ng  
RT: 13.122 min Scan# 1706  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:172 Resp: 2110576  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 23.8 18.6 27.8

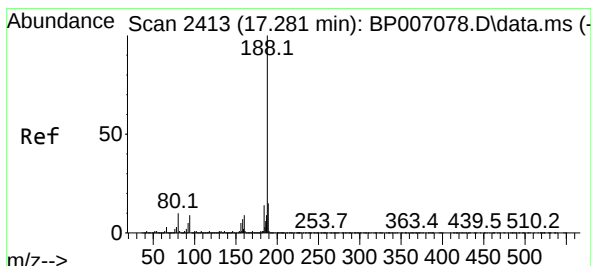
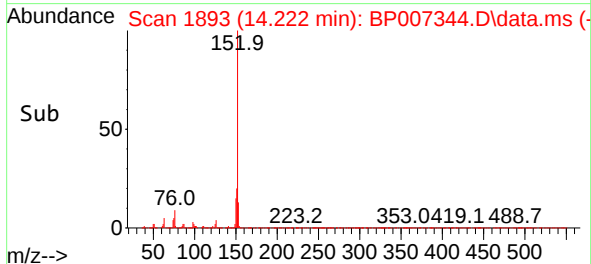
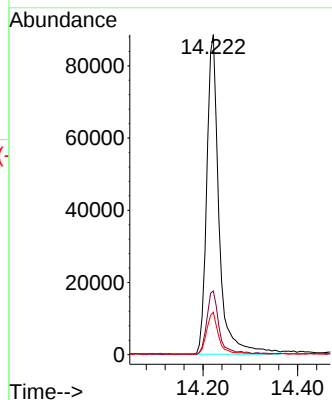
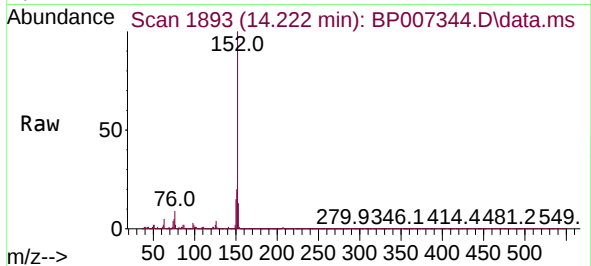




#49  
Acenaphthylene  
Concen: 4.238 ng  
RT: 14.222 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

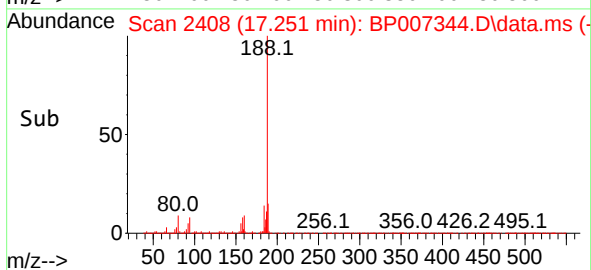
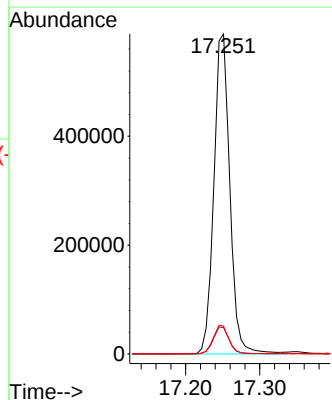
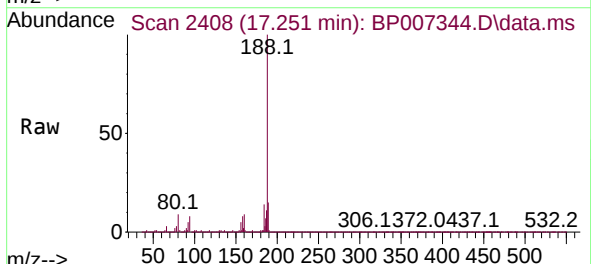
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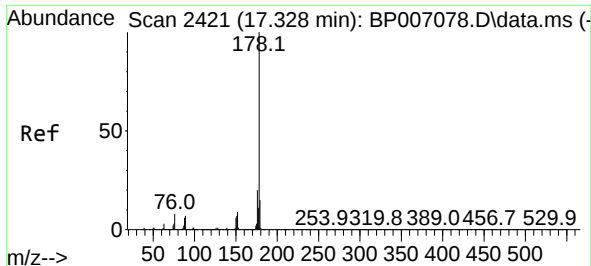
Tgt Ion:152 Resp: 159580  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2  
153 13.2 10.6 16.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 2408  
Delta R.T. 0.000 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:188 Resp: 876324  
Ion Ratio Lower Upper  
188 100  
94 8.2 5.6 8.4  
80 8.7 6.3 9.5

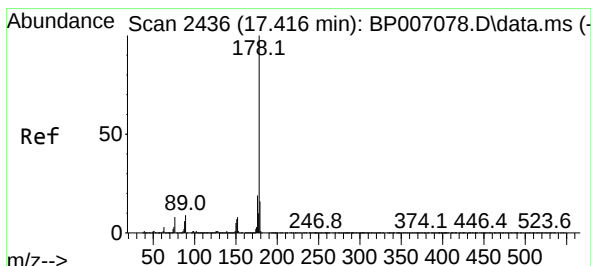
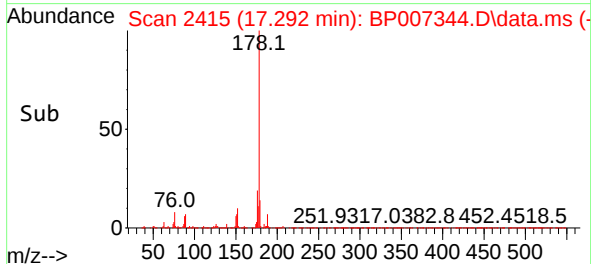
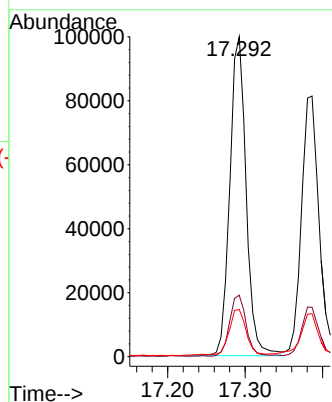
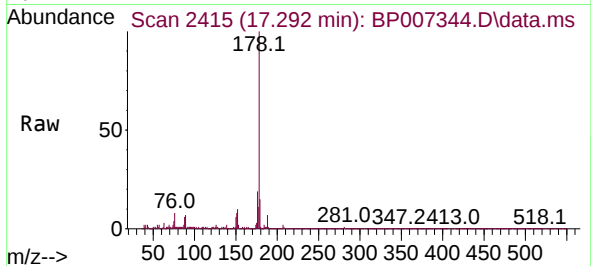




#71  
Phenanthrene  
Concen: 3.119 ng  
RT: 17.292 min Scan# 2415  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

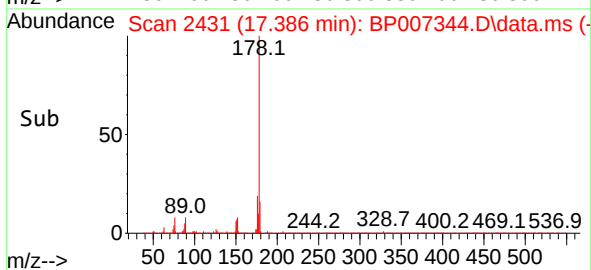
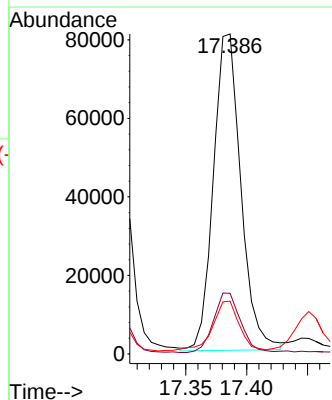
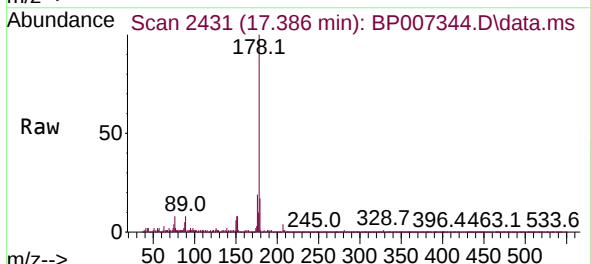
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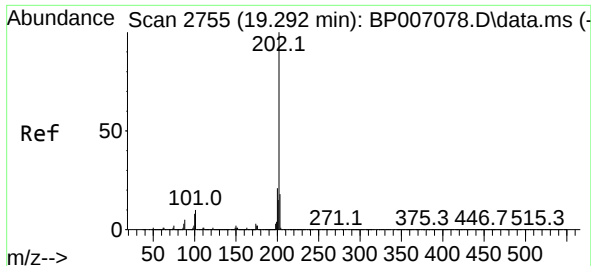
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Ion Ratio Lower Upper  
178 100  
176 19.2 15.1 22.7  
179 14.7 12.4 18.6



#72  
Anthracene  
Concen: 2.755 ng  
RT: 17.386 min Scan# 2431  
Delta R.T. 0.000 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:178 Resp: 126626  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.9 22.3  
179 16.5 12.2 18.2

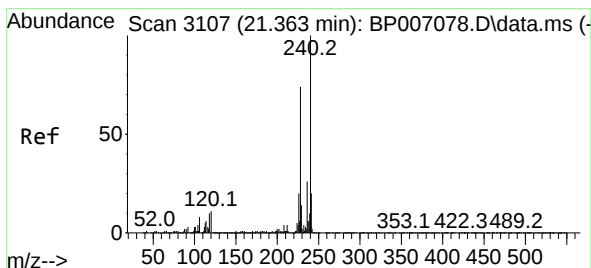
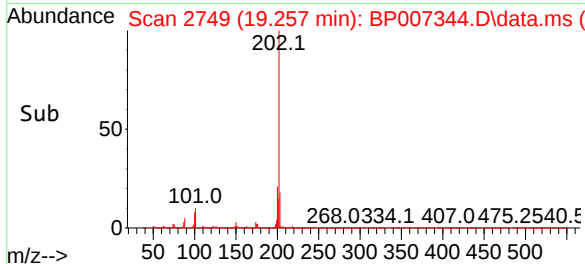
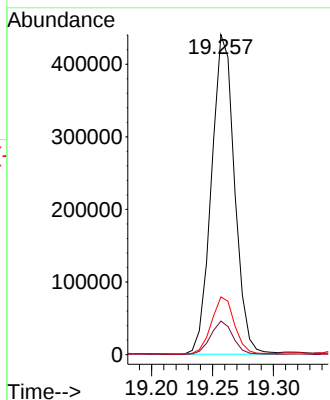
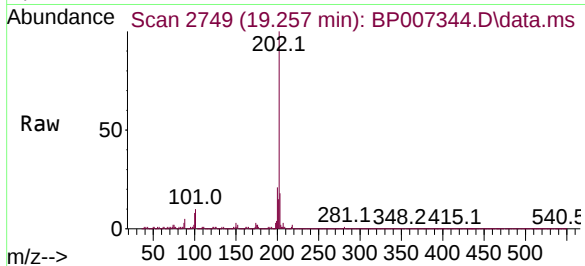




#75  
Fluoranthene  
Concen: 10.734 ng  
RT: 19.257 min Scan# 2749  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

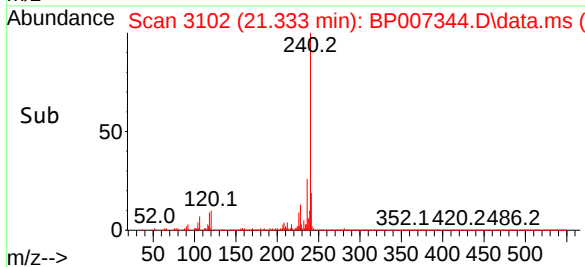
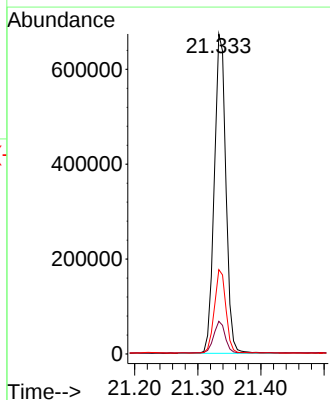
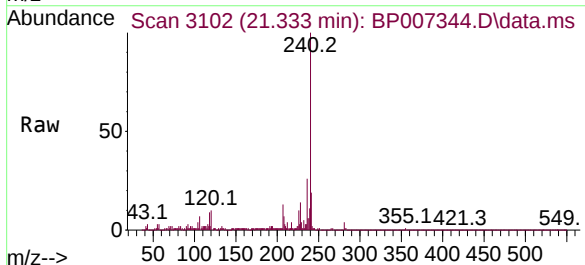
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ClientSampleId :  
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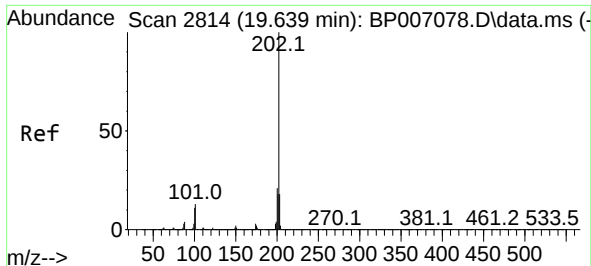
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|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 581101 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 0.0   | 27.6   |
| 203       | 18.1  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.333 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 857061 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.2  | 6.5   | 9.7#   |
| 236       | 26.4  | 20.6  | 31.0   |

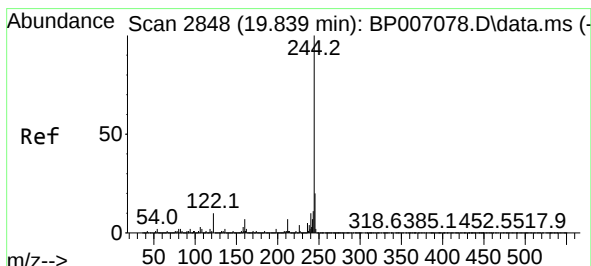
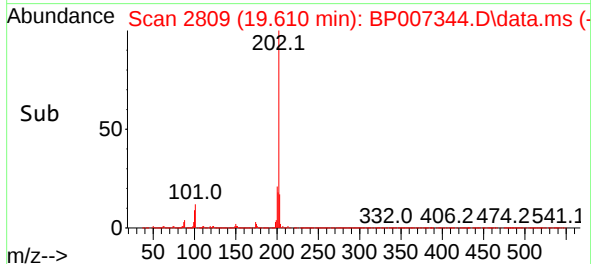
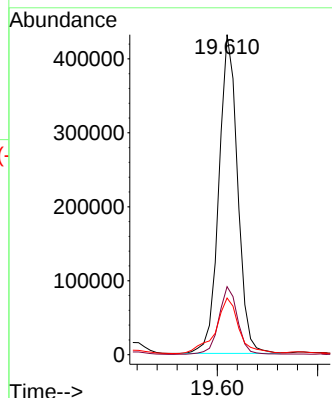
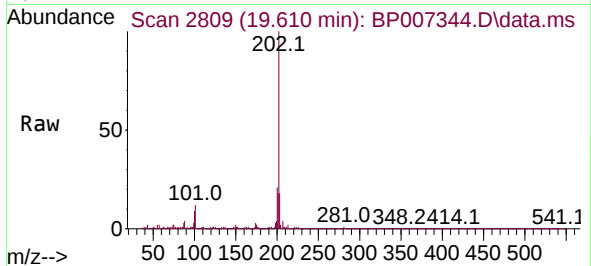




#78  
 Pyrene  
 Concen: 9.949 ng  
 RT: 19.610 min Scan# 2809  
 Delta R.T. -0.006 min  
 Lab File: BP007344.D  
 Acq: 06 Oct 2021 01:44

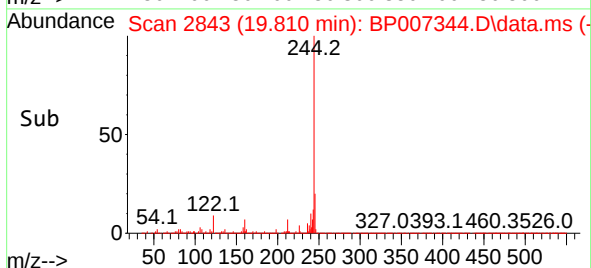
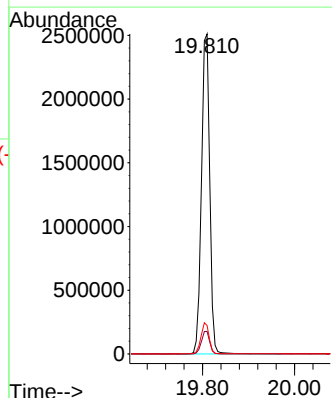
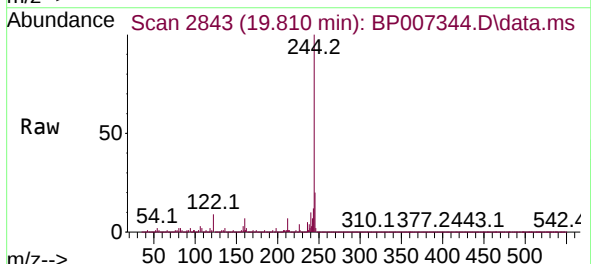
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SU-03-100421

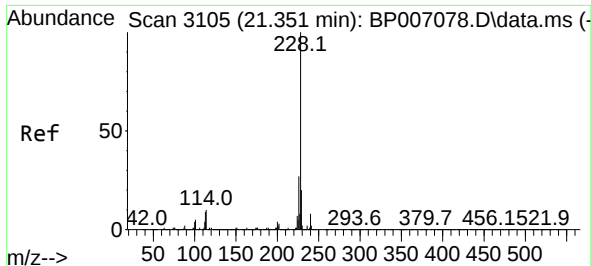
Tgt Ion:202 Resp: 559454  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 16.3 24.5  
 203 17.7 14.2 21.2



#79  
 Terphenyl-d14  
 Concen: 69.924 ng  
 RT: 19.810 min Scan# 2843  
 Delta R.T. 0.000 min  
 Lab File: BP007344.D  
 Acq: 06 Oct 2021 01:44

Tgt Ion:244 Resp: 3127413  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 8.9 7.1 10.7

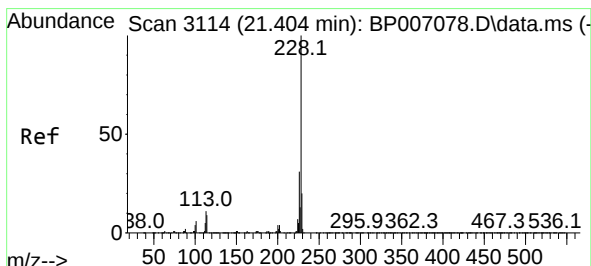
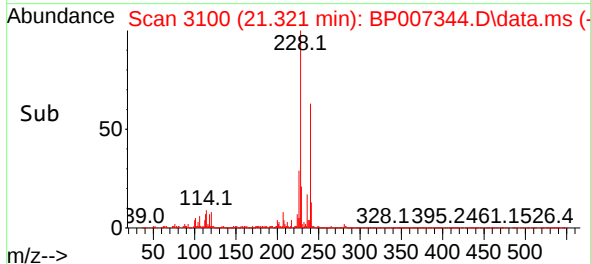
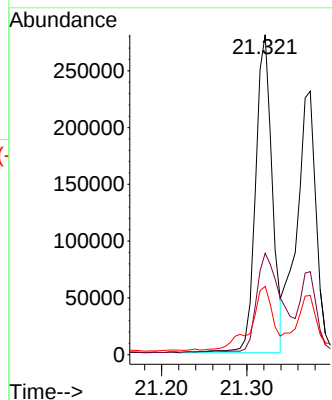
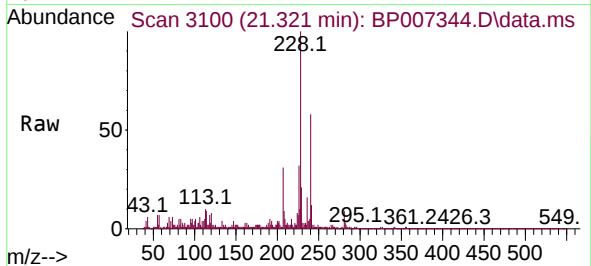




#81  
Benzo(a)anthracene  
Concen: 6.814 ng  
RT: 21.321 min Scan# 3100  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

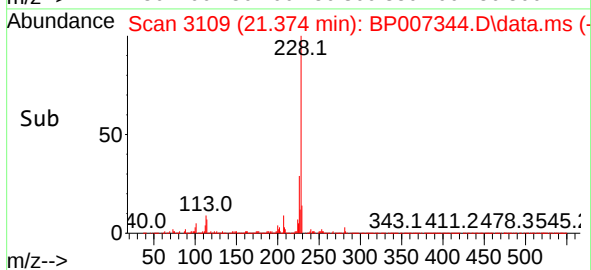
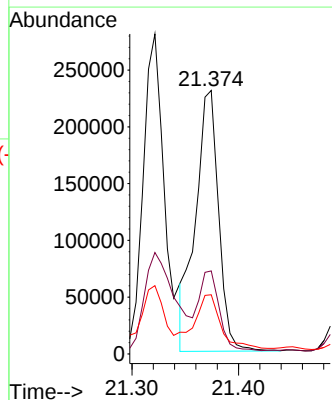
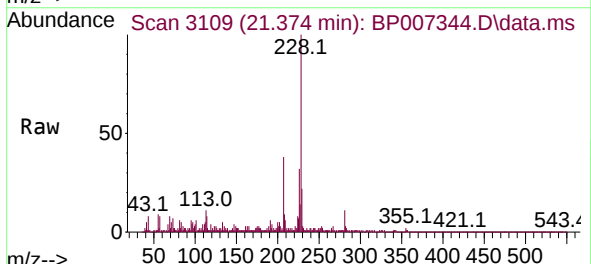
Instrument :  
BNA\_P  
ClientSampleId :  
SU-03-100421

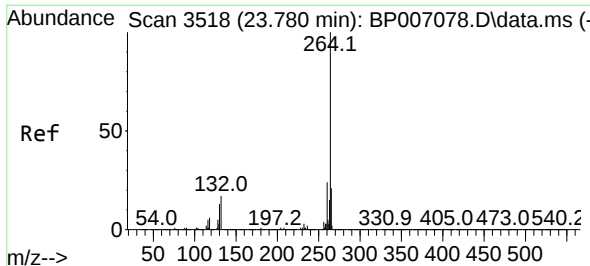
Tgt Ion:228 Resp: 379045  
Ion Ratio Lower Upper  
228 100  
226 31.7 21.6 32.4  
229 21.4 15.8 23.6



#83  
Chrysene  
Concen: 6.532 ng  
RT: 21.374 min Scan# 3109  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:228 Resp: 347326  
Ion Ratio Lower Upper  
228 100  
226 31.5 23.8 35.6  
229 22.5 15.4 23.2

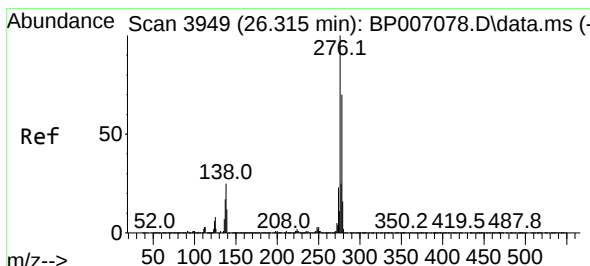
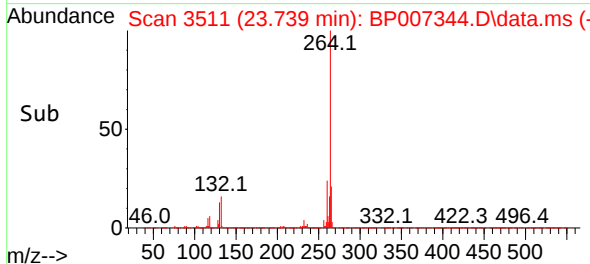
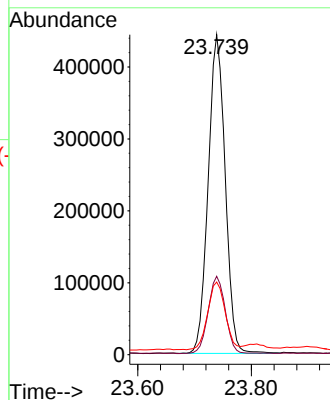
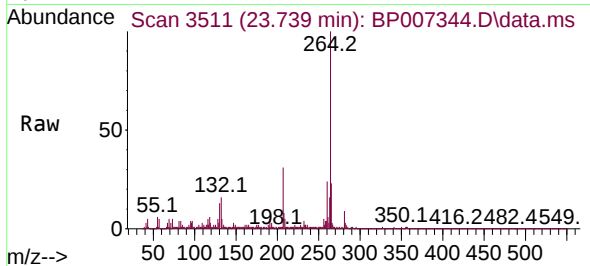




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.739 min Scan# 3511  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

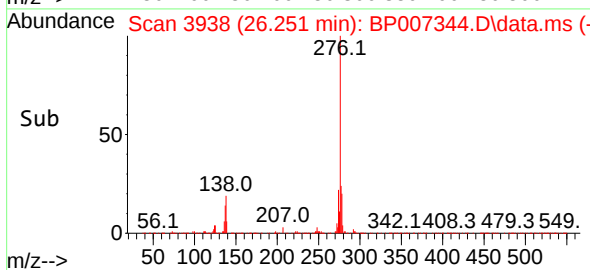
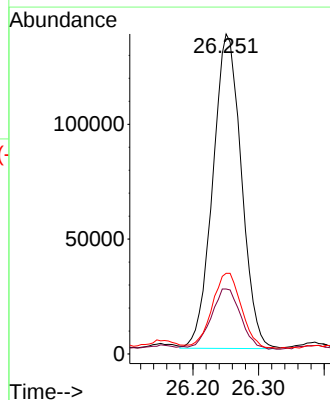
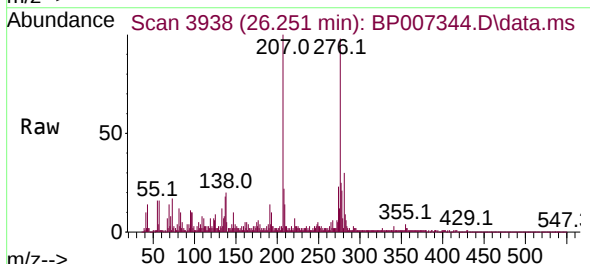
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SU-03-100421

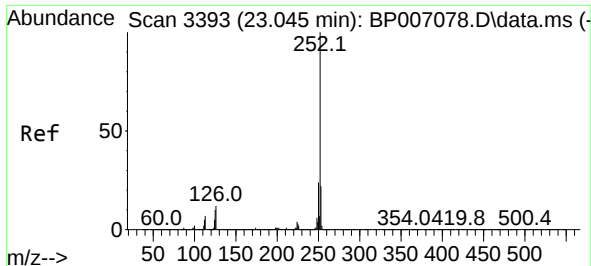
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 919829 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.5  | 18.6  | 28.0   |
| 265       | 22.7  | 17.6  | 26.4   |



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.278 ng  
RT: 26.251 min Scan# 3938  
Delta R.T. -0.017 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 415006 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 19.7  | 15.3  | 22.9   |
| 277       | 24.4  | 20.4  | 30.6   |

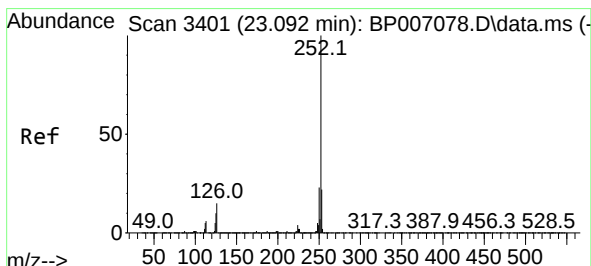
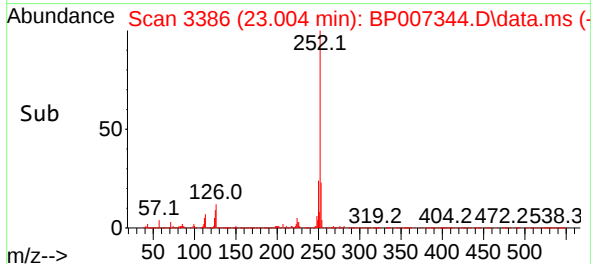
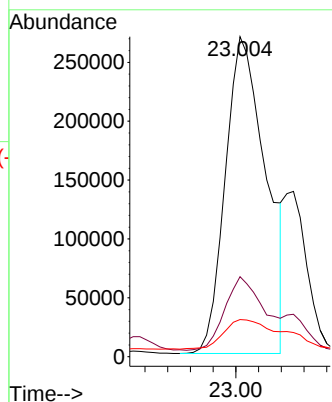
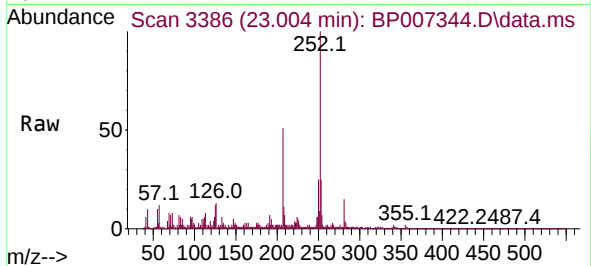




#88  
Benzo(b)fluoranthene  
Concen: 12.130 ng  
RT: 23.004 min Scan# 3386  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

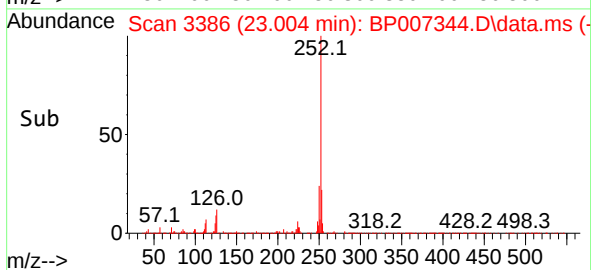
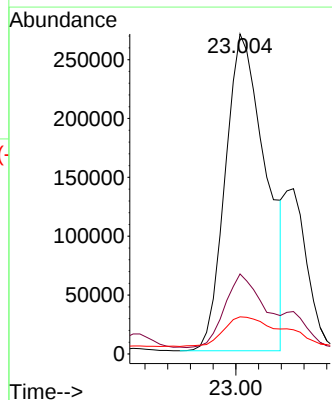
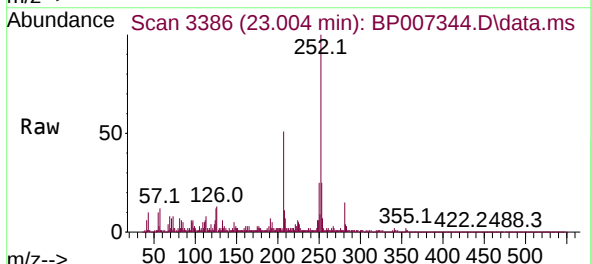
Instrument :  
BNA\_P  
ClientSampleId :  
SU-03-100421

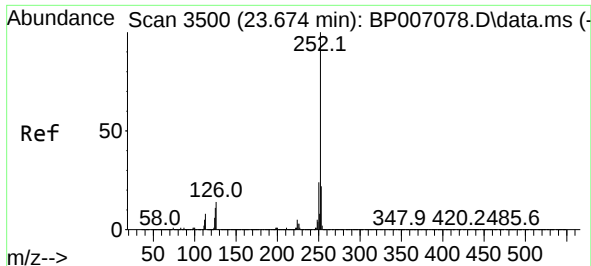
Tgt Ion:252 Resp: 666808  
Ion Ratio Lower Upper  
252 100  
253 25.0 17.5 26.3  
125 11.6 6.2 9.4#



#89  
Benzo(k)fluoranthene  
Concen: 11.981 ng  
RT: 23.004 min Scan# 3386  
Delta R.T. -0.053 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:252 Resp: 666808  
Ion Ratio Lower Upper  
252 100  
253 25.0 17.6 26.4  
125 11.6 6.0 9.0#

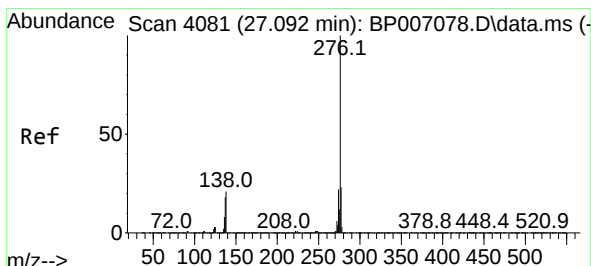
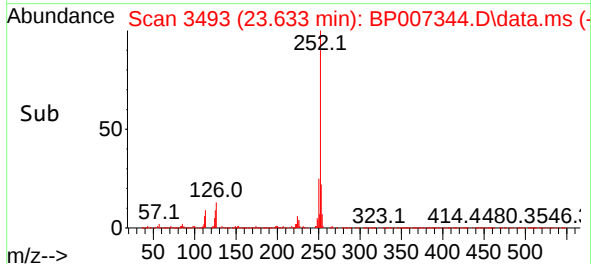
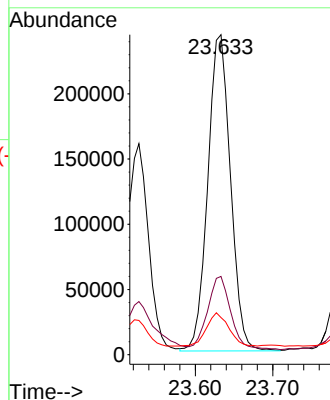
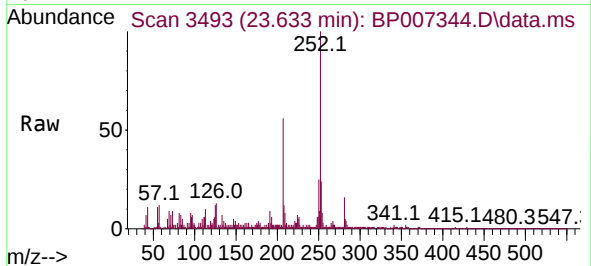




#90  
Benzo(a)pyrene  
Concen: 10.577 ng  
RT: 23.633 min Scan# 3493  
Delta R.T. -0.006 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Instrument :  
BNA\_P  
ClientSampleId :  
SU-03-100421

Tgt Ion:252 Resp: 493958  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.9 26.9  
125 11.6 6.5 9.7#



#92  
Benzo(g,h,i)perylene  
Concen: 7.597 ng  
RT: 27.027 min Scan# 4070  
Delta R.T. -0.017 min  
Lab File: BP007344.D  
Acq: 06 Oct 2021 01:44

Tgt Ion:276 Resp: 410726  
Ion Ratio Lower Upper  
276 100  
277 25.2 18.9 28.3  
138 22.3 12.6 18.8#

