

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP010522\  
 Data File : BP008696.D  
 Acq On : 05 Jan 2022 18:35  
 Operator : CG/JU  
 Sample : M5342-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-10-(0-2)

Quant Time: Jan 06 03:03:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP122821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 30 08:44:33 2021  
 Response via : Initial Calibration

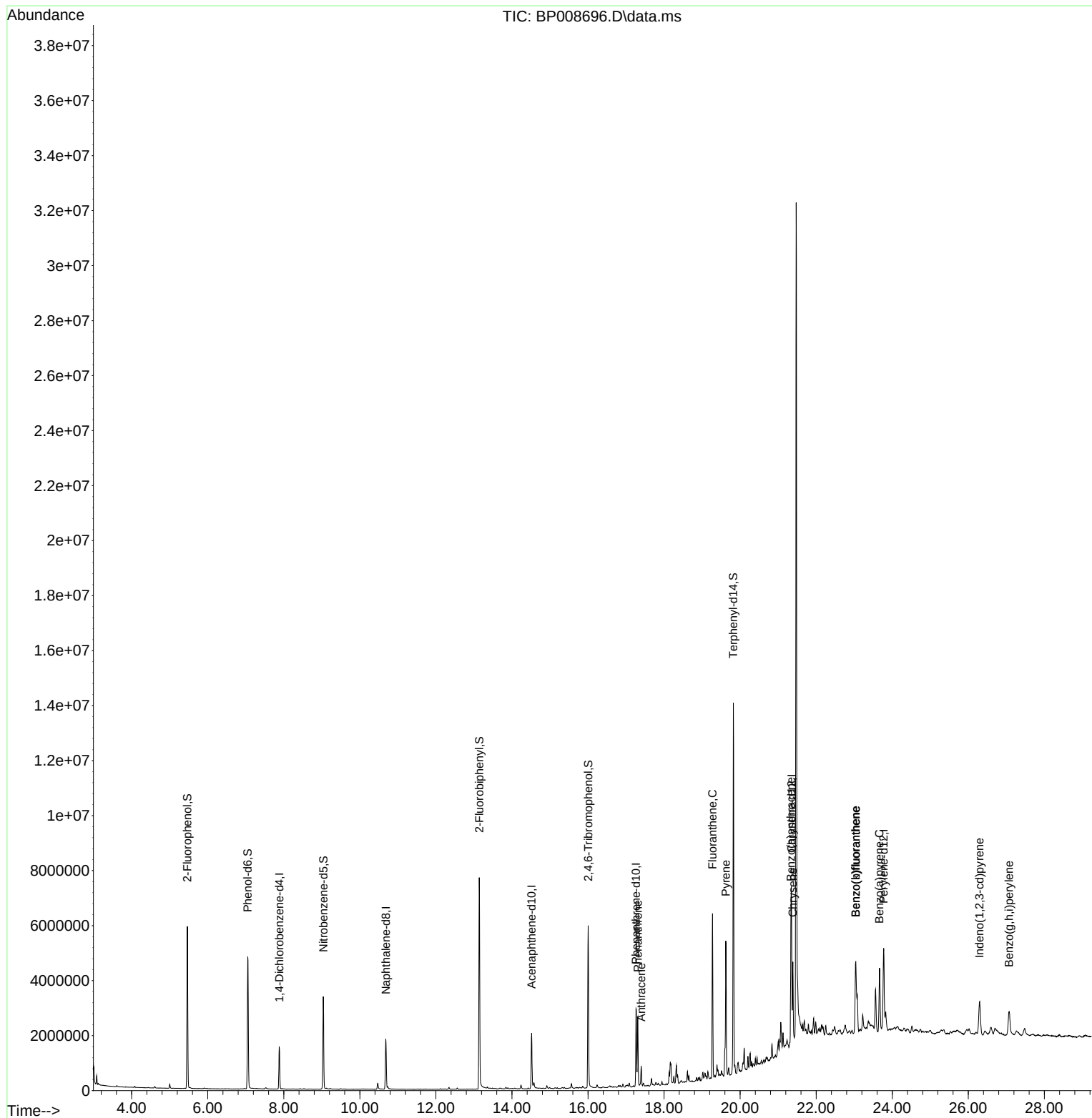
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.881  | 152  | 450313   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.681 | 136  | 1603192  | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.516 | 164  | 886635   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.263 | 188  | 1876204  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.351 | 240  | 2046616  | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 23.774 | 264  | 2259235  | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.464  | 112  | 2770906  | 112.314 | ng    | 0.00     |
| 7) Phenol-d6                | 7.052  | 99   | 3114879  | 90.707  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.040  | 82   | 2007201  | 74.480  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.004 | 330  | 1316986  | 109.787 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.140 | 172  | 4637971  | 75.787  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.822 | 244  | 6534170  | 65.188  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.310 | 178  | 1675809  | 16.567  | ng    | 98       |
| 72) Anthracene              | 17.398 | 178  | 474944   | 4.819   | ng    | 99       |
| 75) Fluoranthene            | 19.275 | 202  | 3589753  | 30.853  | ng    | 97       |
| 78) Pyrene                  | 19.622 | 202  | 3151543  | 23.670  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.333 | 228  | 2122089  | 15.983  | ng    | 99       |
| 83) Chrysene                | 21.386 | 228  | 1798325  | 14.485  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.292 | 276  | 1275885  | 8.408   | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 23.039 | 252  | 2541373  | 17.492  | ng    | 99       |
| 89) Benzo(k)fluoranthene    | 23.039 | 252  | 2541373  | 17.595  | ng    | 99       |
| 90) Benzo(a)pyrene          | 23.663 | 252  | 1828228  | 15.609  | ng    | 98       |
| 92) Benzo(g,h,i)perylene    | 27.068 | 276  | 1228340  | 10.261  | ng    | 97       |
| -----                       |        |      |          |         |       |          |

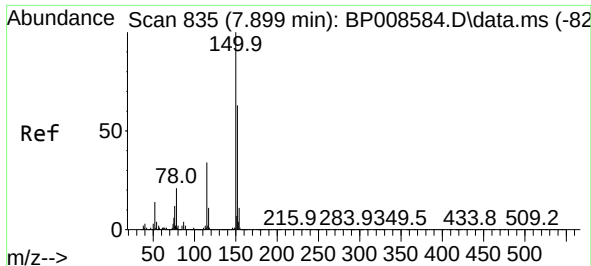
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-10-(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 30 08:44:33 2021  
Response via : Initial Calibration

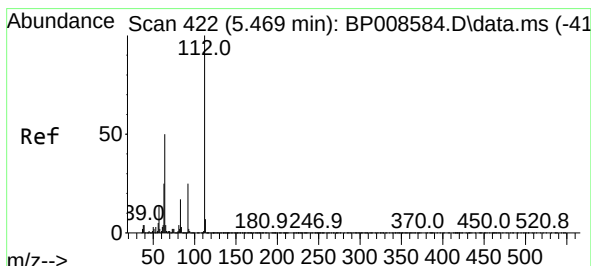
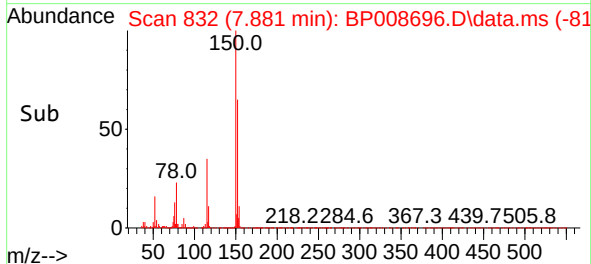
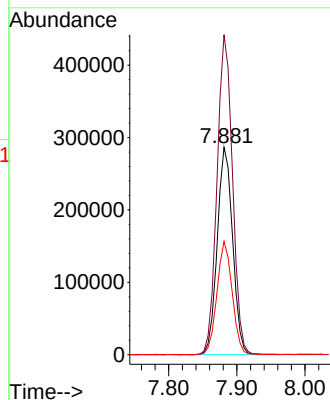
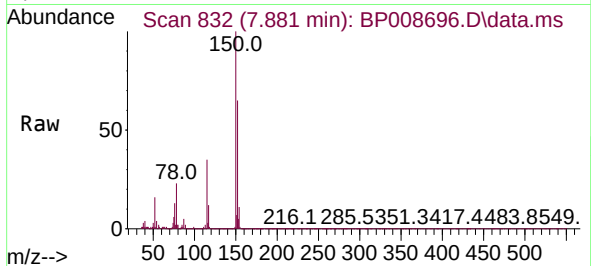




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.881 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

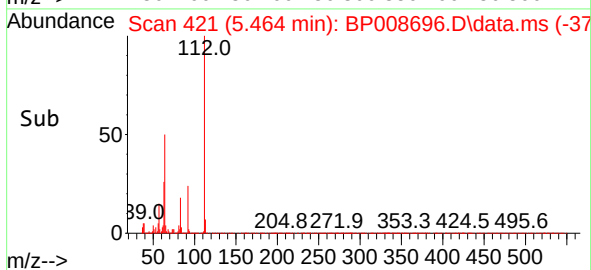
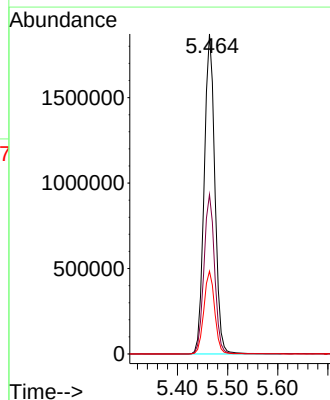
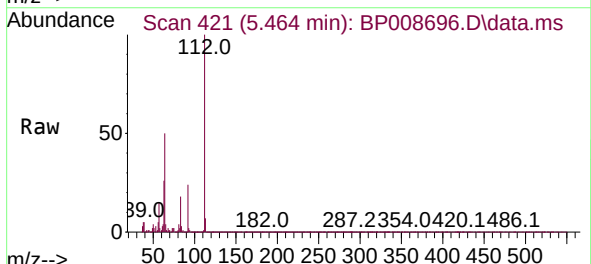
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

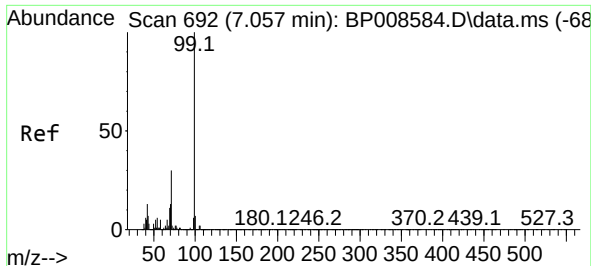
Tgt Ion:152 Resp: 450313  
Ion Ratio Lower Upper  
152 100  
150 154.4 127.0 190.6  
115 54.6 43.7 65.5



#5  
2-Fluorophenol  
Concen: 112.314 ng  
RT: 5.464 min Scan# 421  
Delta R.T. -0.006 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion:112 Resp: 2770906  
Ion Ratio Lower Upper  
112 100  
64 49.8 39.7 59.5  
63 25.9 20.0 30.0

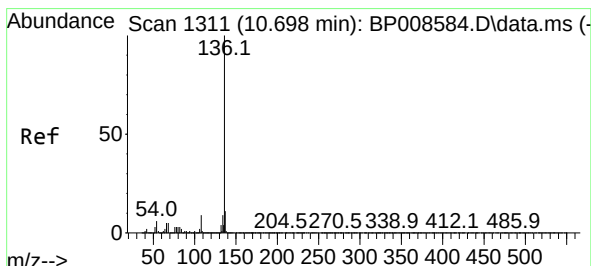
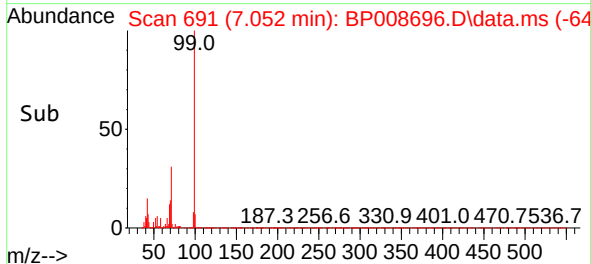
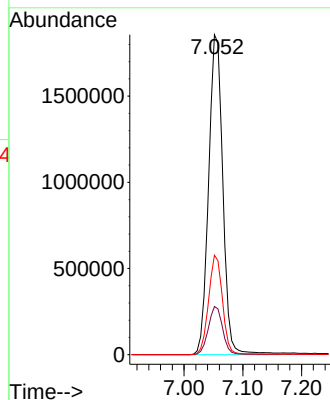
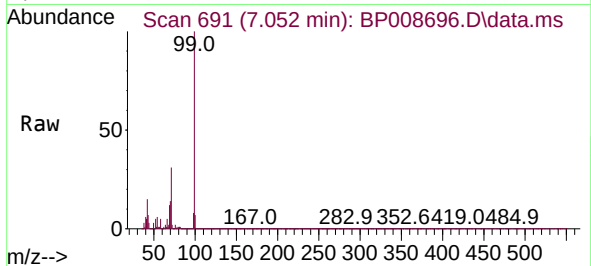




#7  
Phenol-d6  
Concen: 90.707 ng  
RT: 7.052 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

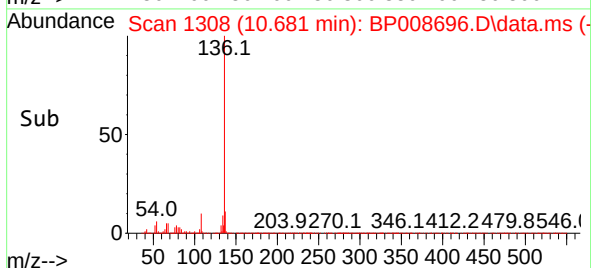
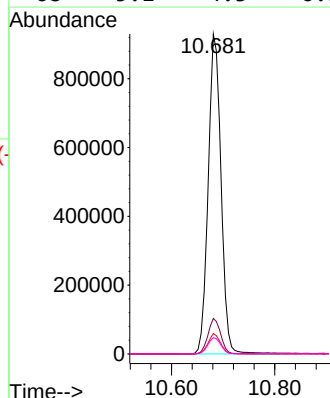
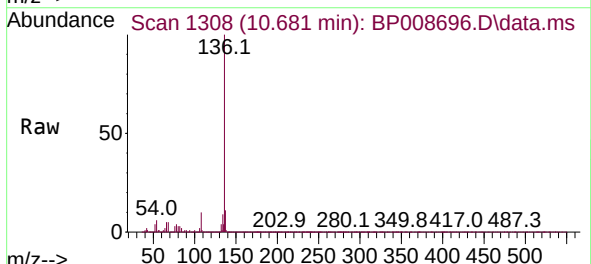
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

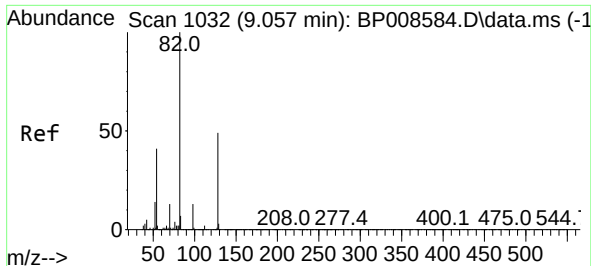
Tgt Ion: 99 Resp: 3114879  
Ion Ratio Lower Upper  
99 100  
42 15.1 10.8 16.2  
71 31.1 23.8 35.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.681 min Scan# 1308  
Delta R.T. -0.018 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion: 136 Resp: 1603192  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.0 13.4  
54 6.4 4.9 7.3  
68 5.1 4.3 6.5

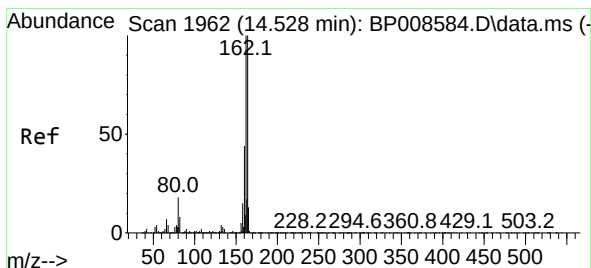
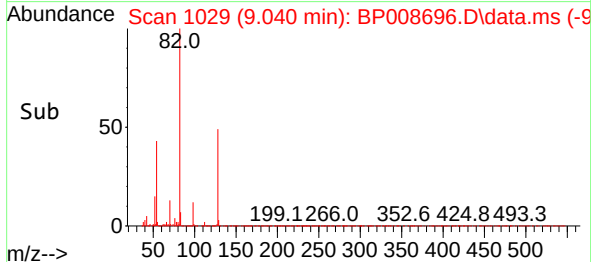
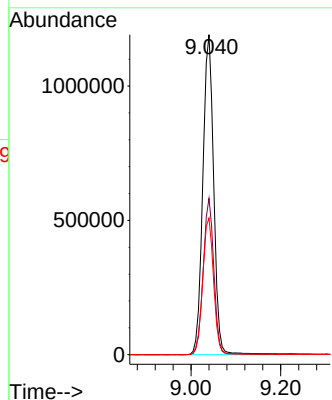
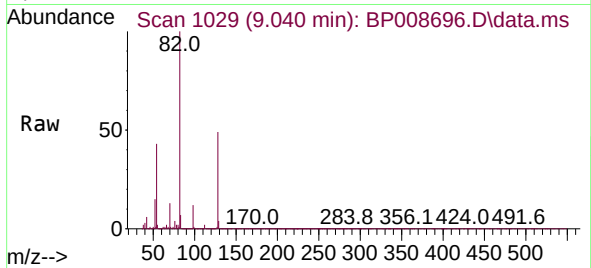




#23  
Nitrobenzene-d5  
Concen: 74.480 ng  
RT: 9.040 min Scan# 1032  
Delta R.T. -0.018 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

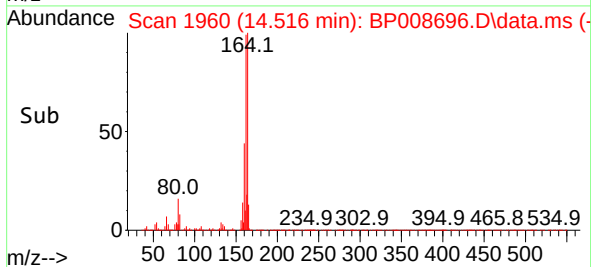
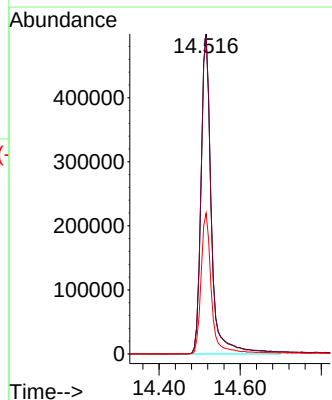
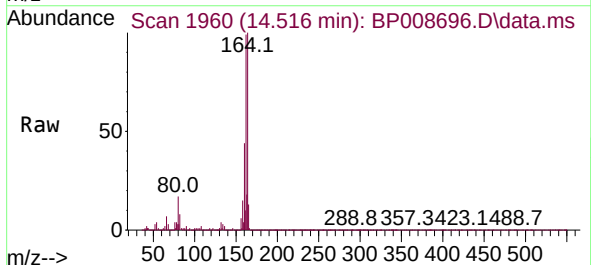
Instrument :  
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ClientSampleId :  
SB-10-(0-2)

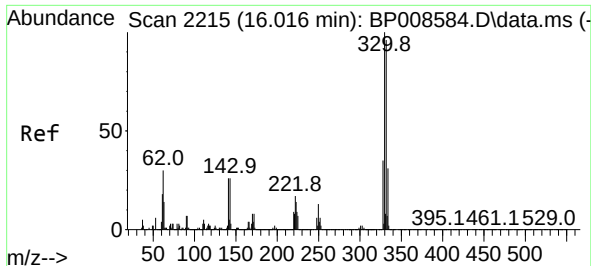
Tgt Ion: 82 Resp: 2007201  
Ion Ratio Lower Upper  
82 100  
128 48.9 39.4 59.2  
54 42.7 32.6 48.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
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Tgt Ion:164 Resp: 886635  
Ion Ratio Lower Upper  
164 100  
162 99.2 79.9 119.9  
160 44.0 35.5 53.3

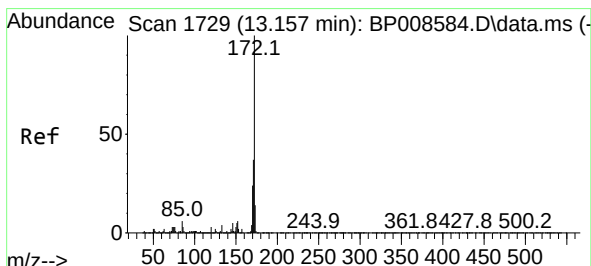
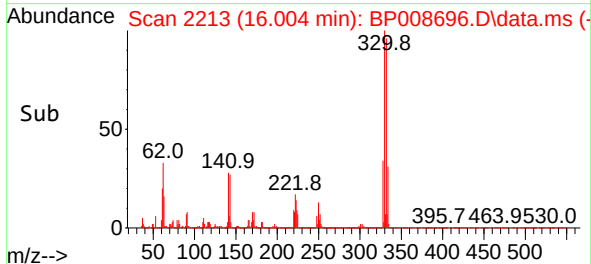
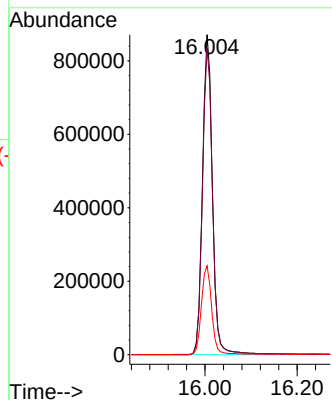
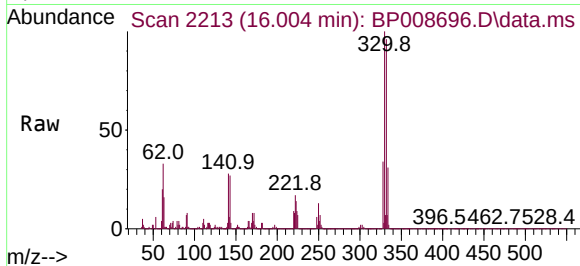




#42  
2,4,6-Tribromophenol  
Concen: 109.787 ng  
RT: 16.004 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

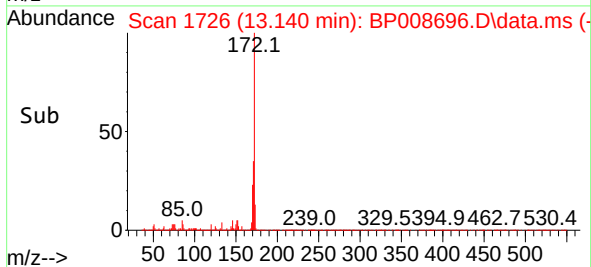
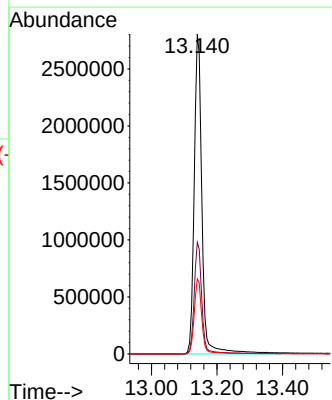
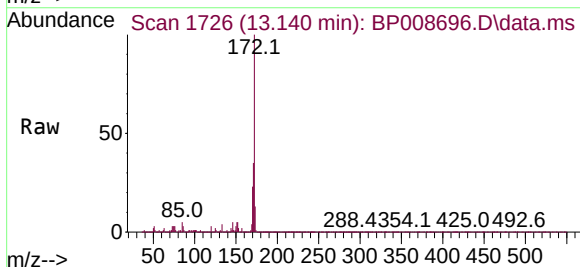
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

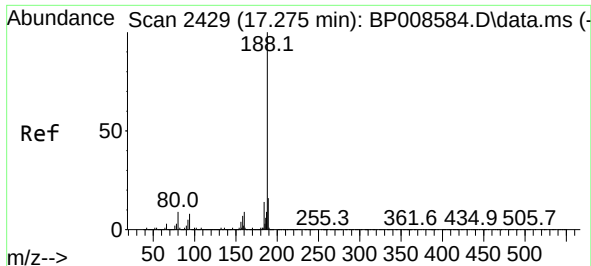
Tgt Ion:330 Resp: 1316986  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.4  
141 28.3 21.3 31.9



#45  
2-Fluorobiphenyl  
Concen: 75.787 ng  
RT: 13.140 min Scan# 1726  
Delta R.T. -0.017 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion:172 Resp: 4637971  
Ion Ratio Lower Upper  
172 100  
171 34.9 29.3 43.9  
170 23.5 19.5 29.3

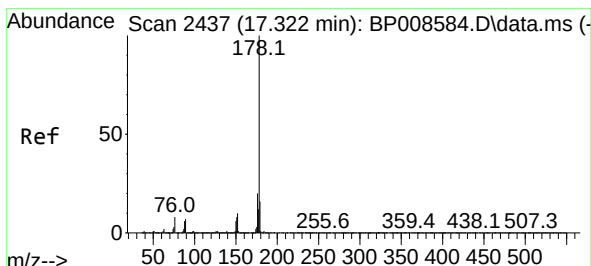
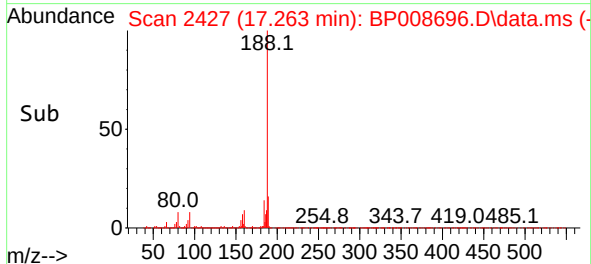
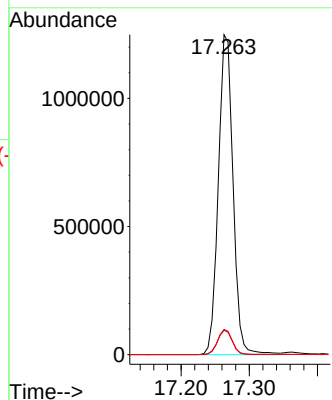
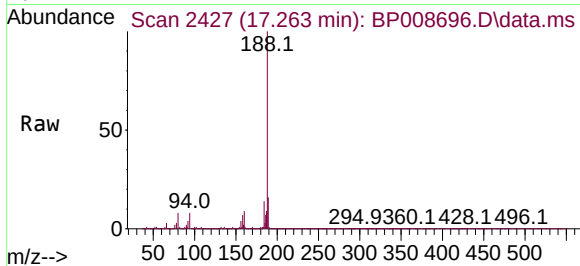




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.263 min Scan# 2427  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

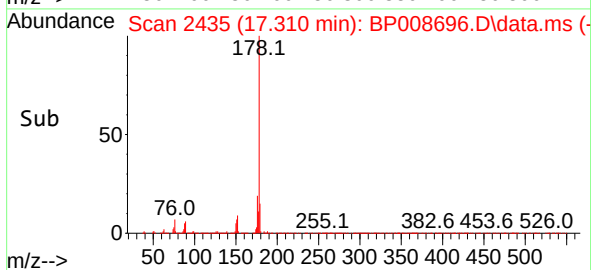
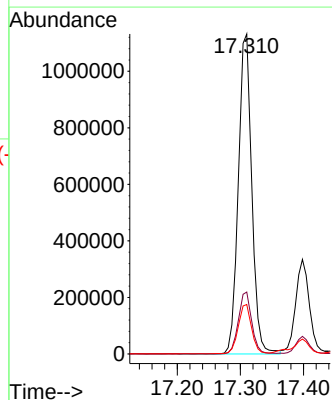
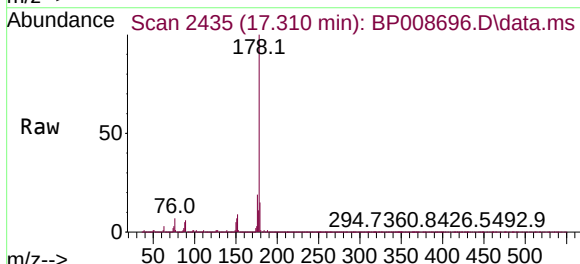
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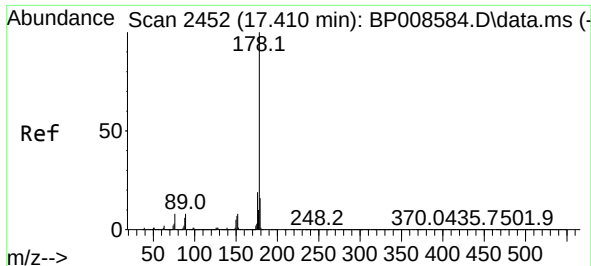
Tgt Ion:188 Resp: 1876204  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.8 10.2  
80 7.9 7.2 10.8



#71  
Phenanthrene  
Concen: 16.567 ng  
RT: 17.310 min Scan# 2435  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion:178 Resp: 1675809  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.4 13.0 19.4

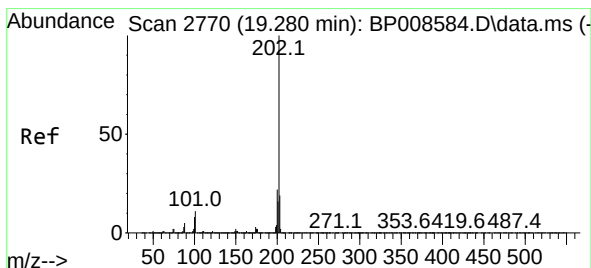
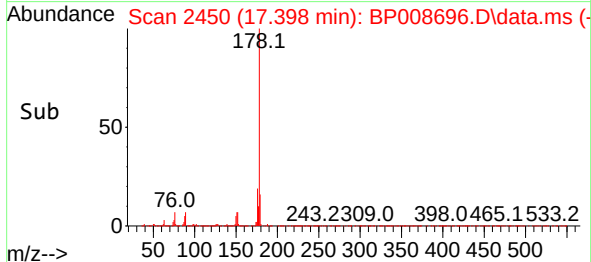
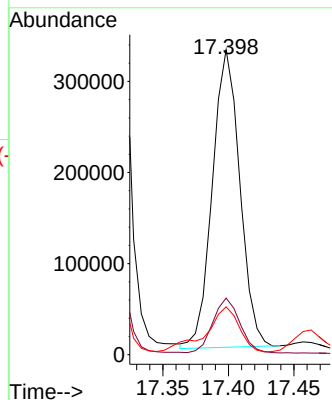
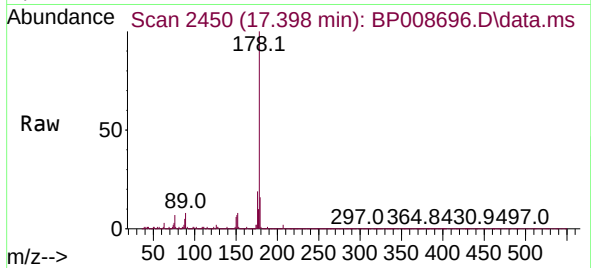




#72  
 Anthracene  
 Concen: 4.819 ng  
 RT: 17.398 min Scan# 24  
 Delta R.T. -0.012 min  
 Lab File: BP008696.D  
 Acq: 05 Jan 2022 18:35

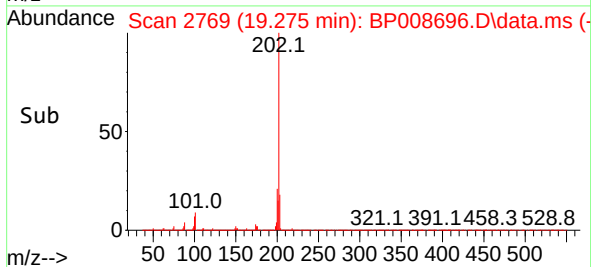
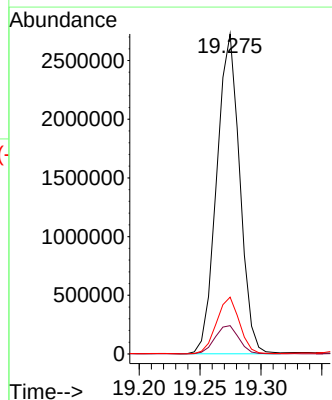
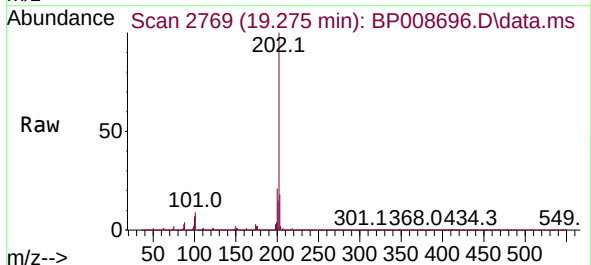
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-10-(0-2)

Tgt Ion:178 Resp: 474944  
 Ion Ratio Lower Upper  
 178 100  
 176 18.6 15.1 22.7  
 179 15.7 12.8 19.2

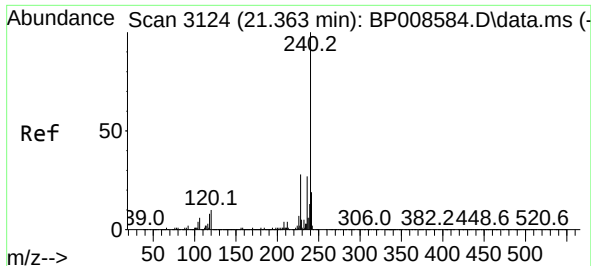


#75  
 Fluoranthene  
 Concen: 30.853 ng  
 RT: 19.275 min Scan# 2769  
 Delta R.T. -0.005 min  
 Lab File: BP008696.D  
 Acq: 05 Jan 2022 18:35

Tgt Ion:202 Resp: 3589753  
 Ion Ratio Lower Upper  
 202 100  
 101 8.8 0.0 30.7  
 203 17.7 0.0 38.9



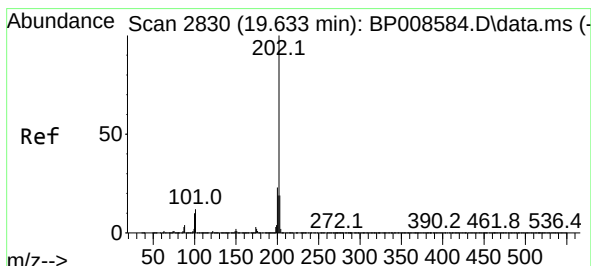
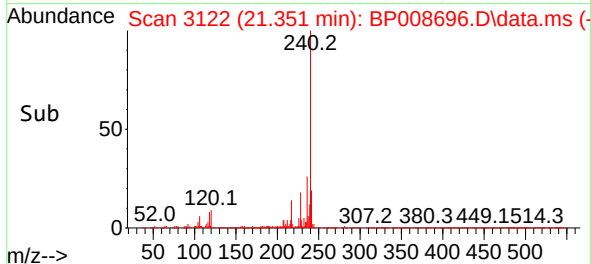
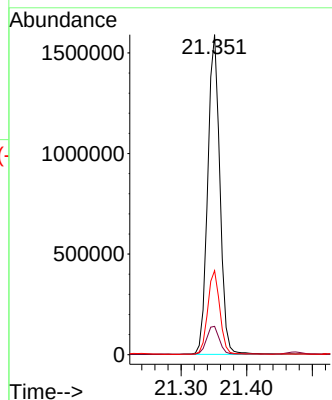
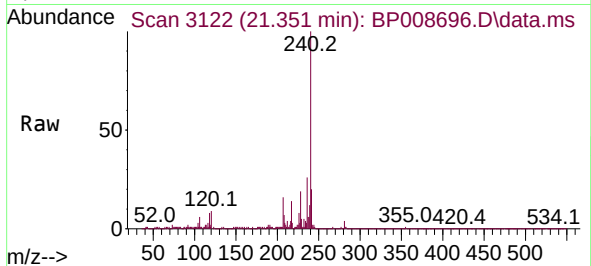




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.351 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

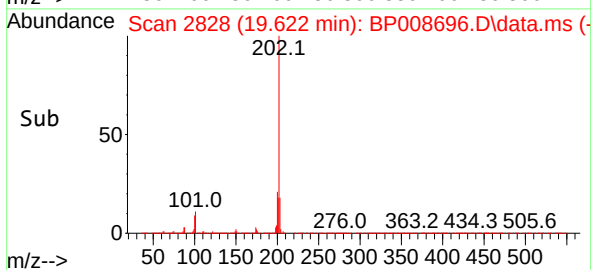
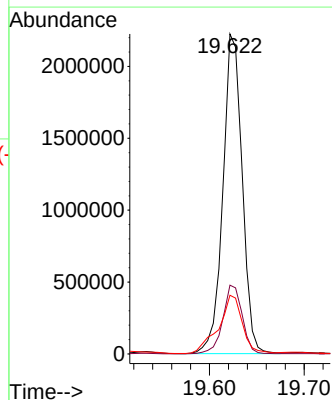
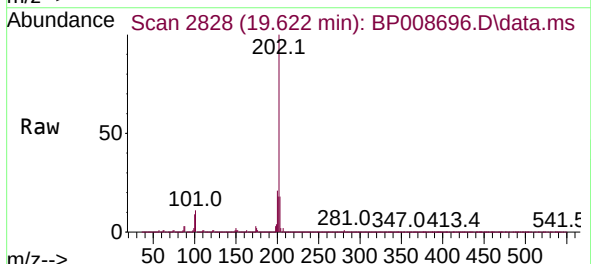
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

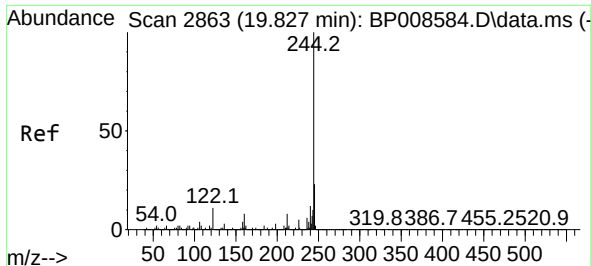
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Ion Ratio Lower Upper  
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120 8.9 7.7 11.5  
236 26.3 21.2 31.8



#78  
Pyrene  
Concen: 23.670 ng  
RT: 19.622 min Scan# 2828  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion:202 Resp: 3151543  
Ion Ratio Lower Upper  
202 100  
200 21.5 18.0 27.0  
203 18.3 15.0 22.6

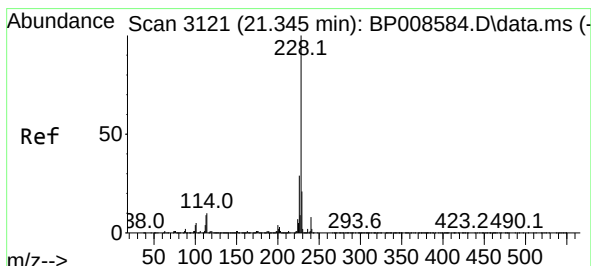
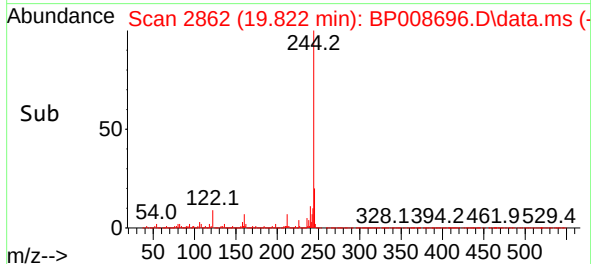
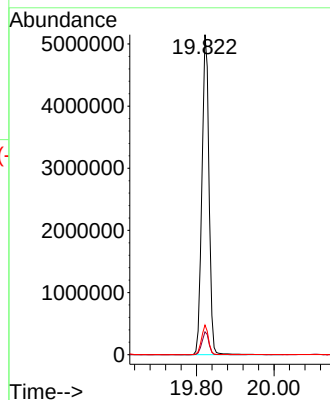
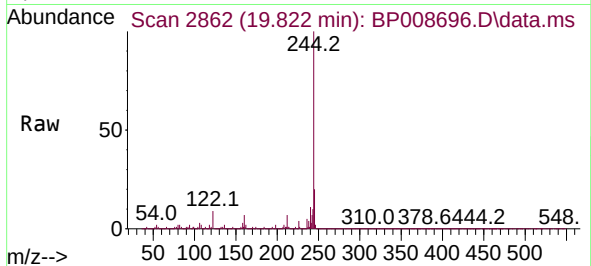




#79  
 Terphenyl-d14  
 Concen: 65.188 ng  
 RT: 19.822 min Scan# 2119  
 Delta R.T. -0.005 min  
 Lab File: BP008696.D  
 Acq: 05 Jan 2022 18:35

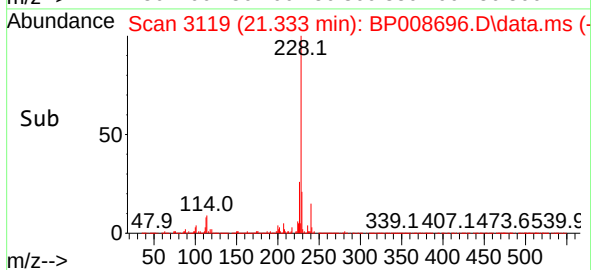
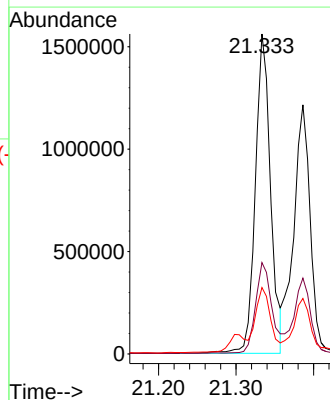
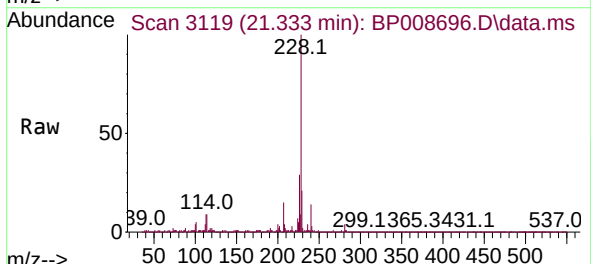
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-10-(0-2)

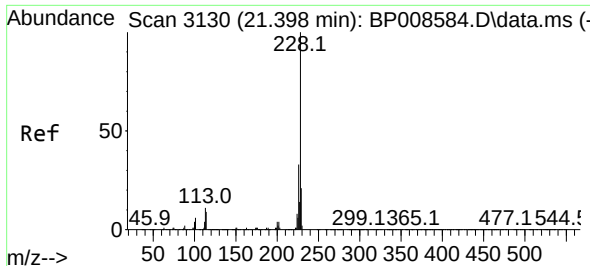
Tgt Ion:244 Resp: 6534170  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.5 9.7  
 122 9.3 9.2 13.8



#81  
 Benzo(a)anthracene  
 Concen: 15.983 ng  
 RT: 21.333 min Scan# 3119  
 Delta R.T. -0.012 min  
 Lab File: BP008696.D  
 Acq: 05 Jan 2022 18:35

Tgt Ion:228 Resp: 2122089  
 Ion Ratio Lower Upper  
 228 100  
 226 28.6 23.3 34.9  
 229 20.8 17.0 25.6

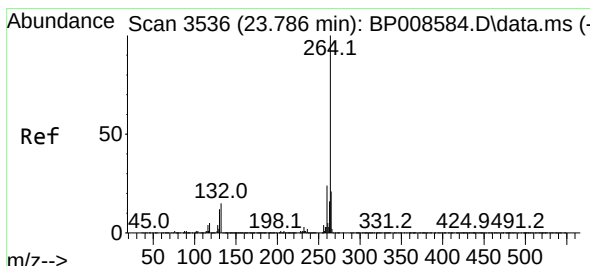
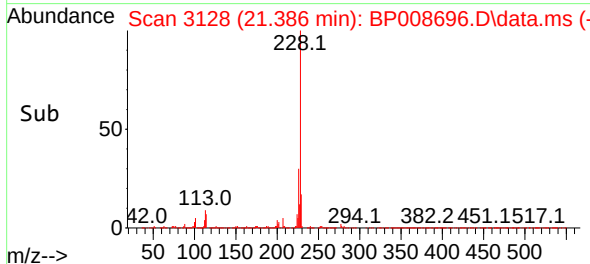
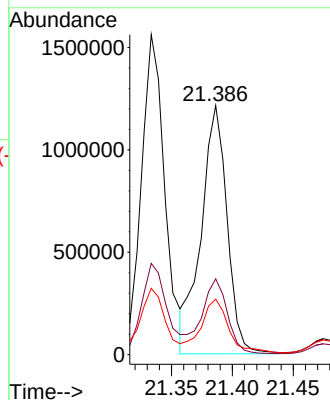
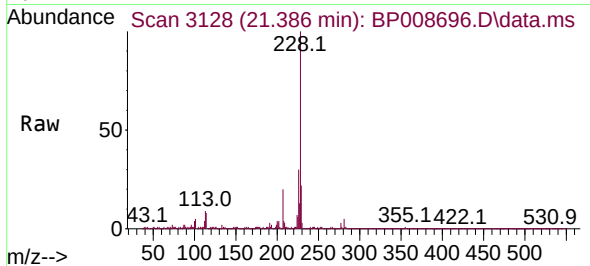




#83  
Chrysene  
Concen: 14.485 ng  
RT: 21.386 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

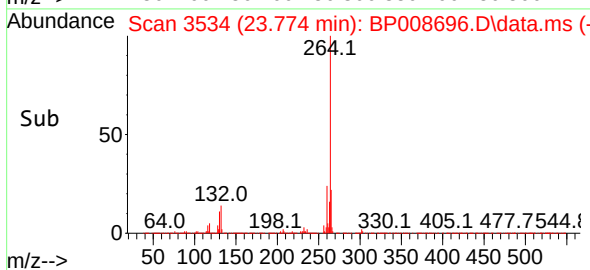
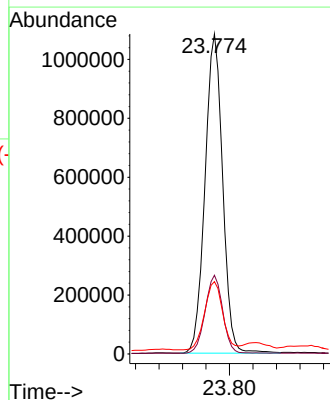
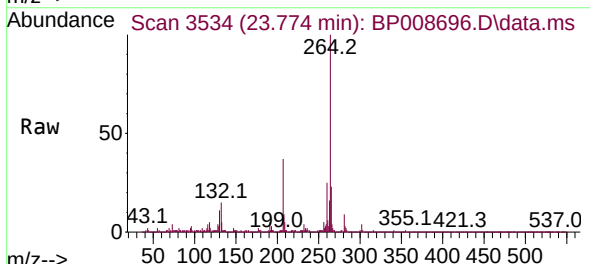
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

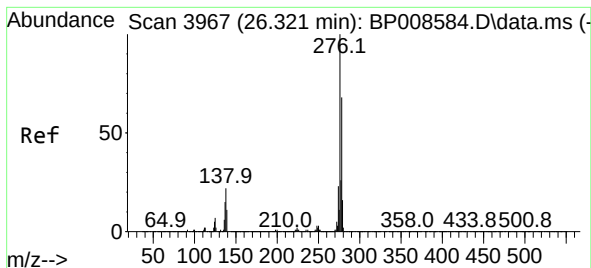
Tgt Ion:228 Resp: 1798325  
Ion Ratio Lower Upper  
228 100  
226 30.5 26.0 39.0  
229 22.3 16.9 25.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.774 min Scan# 3534  
Delta R.T. -0.012 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

Tgt Ion:264 Resp: 2259235  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.1 28.7  
265 22.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.408 ng

RT: 26.292 min Scan# 3409

Delta R.T. -0.029 min

Lab File: BP008696.D

Acq: 05 Jan 2022 18:35

Instrument :

BNA\_P

ClientSampleId :

SB-10-(0-2)

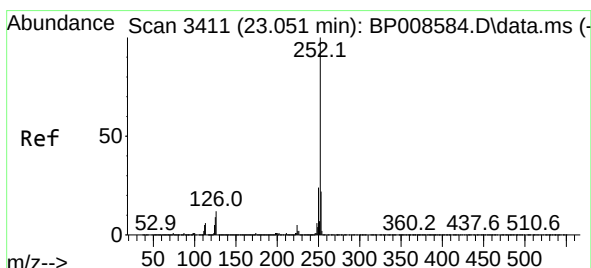
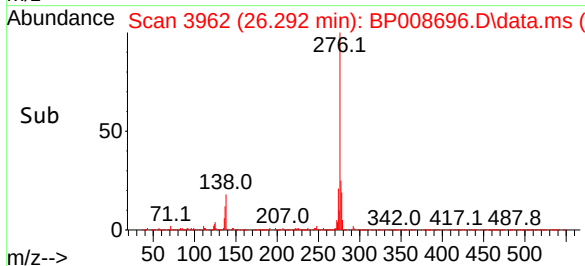
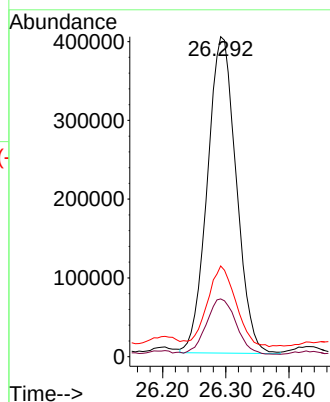
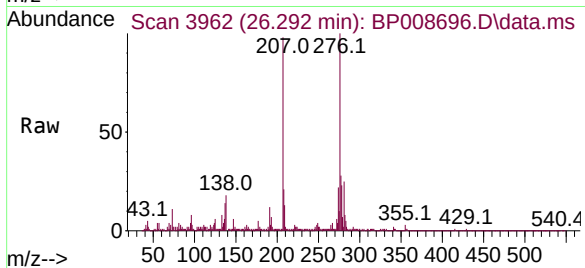
Tgt Ion:276 Resp: 1275885

Ion Ratio Lower Upper

276 100

138 18.0 17.8 26.6

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 17.492 ng

RT: 23.039 min Scan# 3409

Delta R.T. -0.012 min

Lab File: BP008696.D

Acq: 05 Jan 2022 18:35

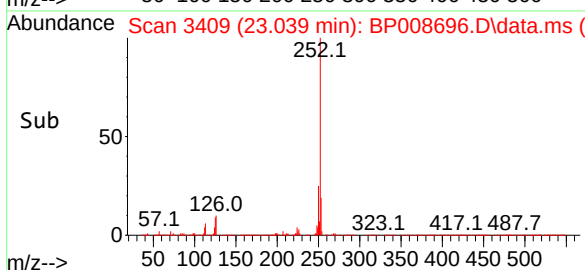
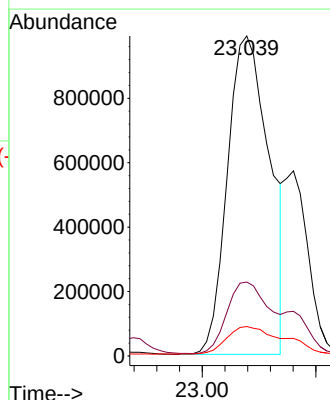
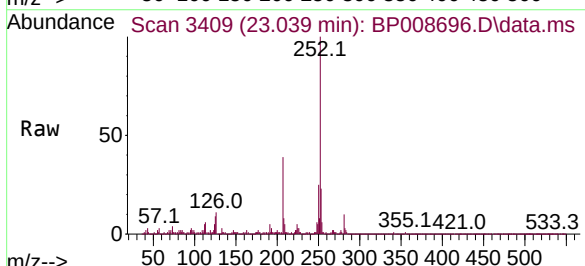
Tgt Ion:252 Resp: 2541373

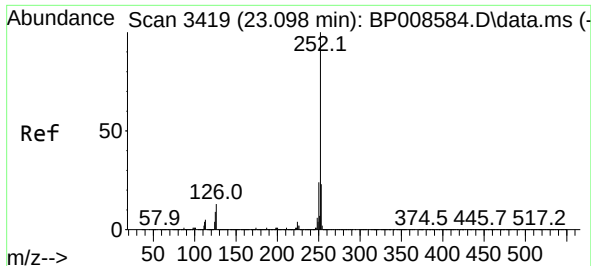
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 9.2 6.9 10.3

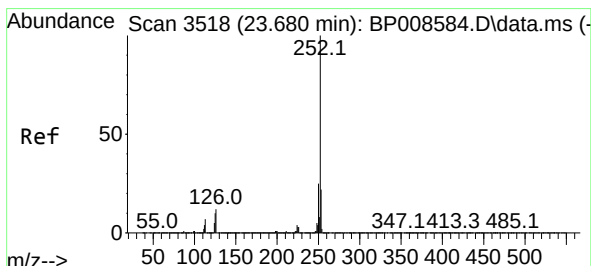
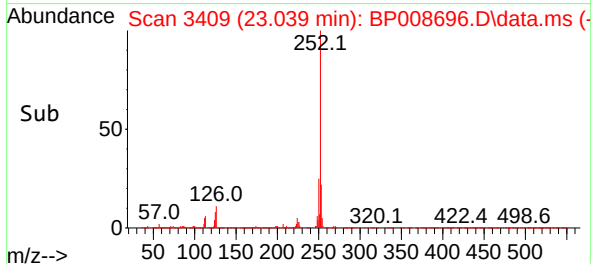
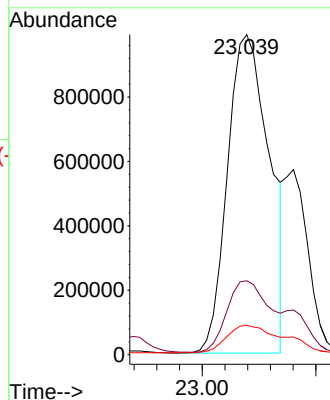
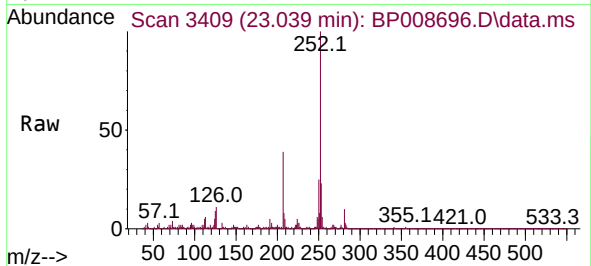




#89  
Benzo(k)fluoranthene  
Concen: 17.595 ng  
RT: 23.039 min Scan# 3419  
Delta R.T. -0.059 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

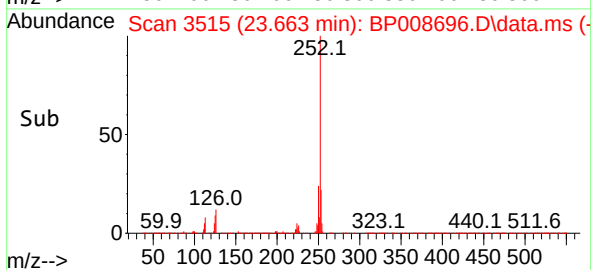
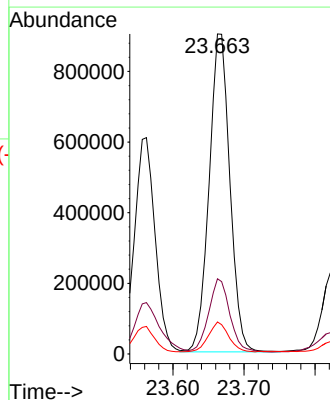
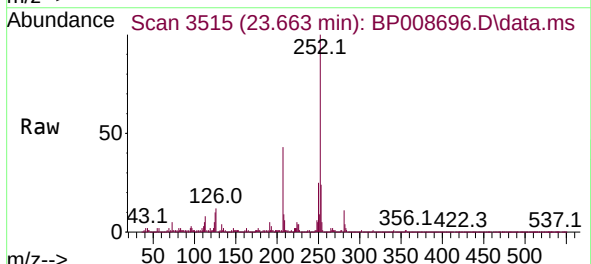
Instrument :  
BNA\_P  
ClientSampleId :  
SB-10-(0-2)

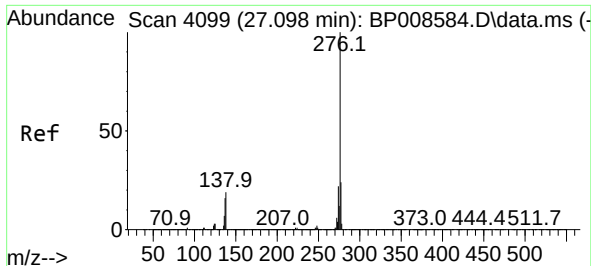
Tgt Ion:252 Resp: 2541373  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.2 27.2  
125 9.2 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 15.609 ng  
RT: 23.663 min Scan# 3515  
Delta R.T. -0.018 min  
Lab File: BP008696.D  
Acq: 05 Jan 2022 18:35

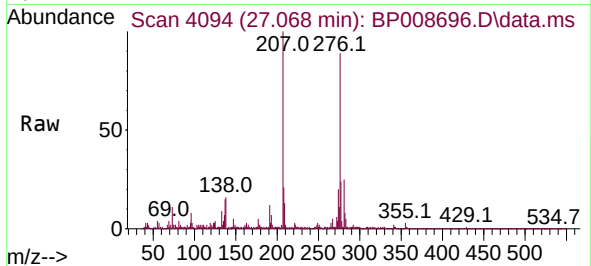
Tgt Ion:252 Resp: 1828228  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.8 26.8  
125 10.0 7.8 11.6





#92  
 Benzo(g,h,i)perylene  
 Concen: 10.261 ng  
 RT: 27.068 min Scan# 4094  
 Delta R.T. -0.029 min  
 Lab File: BP008696.D  
 Acq: 05 Jan 2022 18:35

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-10-(0-2)



Tgt Ion:276 Resp: 1228340  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 26.7  | 19.2  | 28.8  |
| 138 | 18.4  | 15.0  | 22.4  |

