

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111220\  
 Data File : BP003943.D  
 Acq On : 12 Nov 2020 17:41  
 Operator : CG/JU  
 Sample : L4685-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 72-11978

Quant Time: Nov 13 00:15:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 12 15:22:47 2020  
 Response via : Initial Calibration

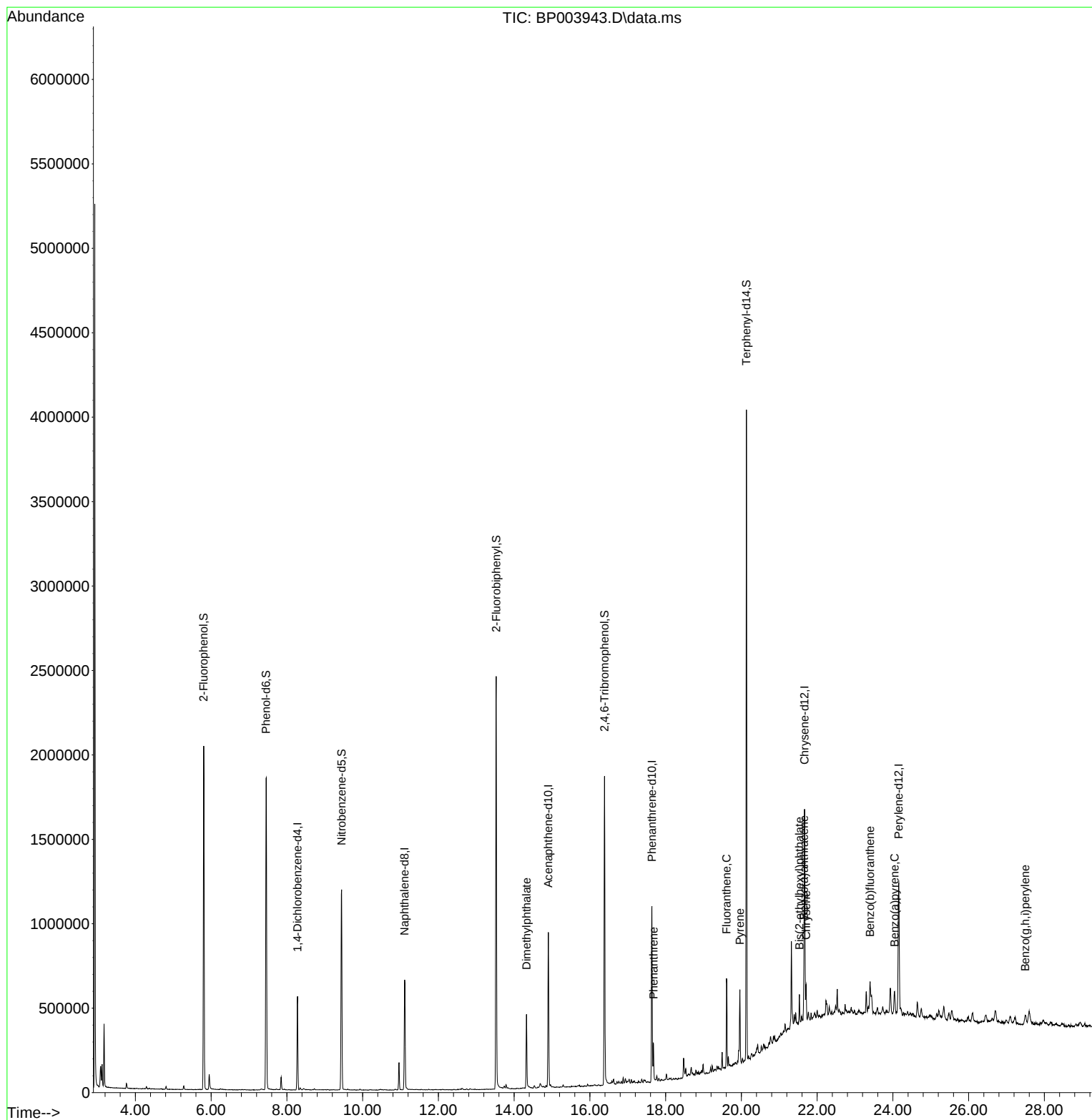
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.281  | 152  | 144245   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.110 | 136  | 530753   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.904 | 164  | 306038   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.639 | 188  | 628059   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.668 | 240  | 591110   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 24.156 | 264  | 634759   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.804  | 112  | 803001   | 92.91 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.451  | 99   | 1031638  | 83.15 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.445  | 82   | 665927   | 61.45 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.386 | 330  | 344301   | 89.95 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.527 | 172  | 1298958  | 59.34 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.133 | 244  | 1536647  | 50.22 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate         | 14.327 | 163  | 282334   | 11.80 | ng    | 99       |
| 71) Phenanthrene              | 17.680 | 178  | 136017   | 3.86  | ng    | 100      |
| 75) Fluoranthene              | 19.609 | 202  | 310547   | 7.64  | ng    | 99       |
| 78) Pyrene                    | 19.962 | 202  | 256418   | 6.39  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.651 | 228  | 117332   | 3.01  | ng    | 98       |
| 83) Chrysene                  | 21.709 | 228  | 134654   | 3.60  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 56793    | 2.58  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.397 | 252  | 158125   | 3.81  | ng    | # 95     |
| 90) Benzo(a)pyrene            | 24.044 | 252  | 103991   | 2.70  | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 27.497 | 276  | 77251    | 2.09  | ng    | 96       |
| -----                         |        |      |          |       |       |          |

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

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Quant Time: Nov 13 00:15:30 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 12 15:22:47 2020  
Response via : Initial Calibration

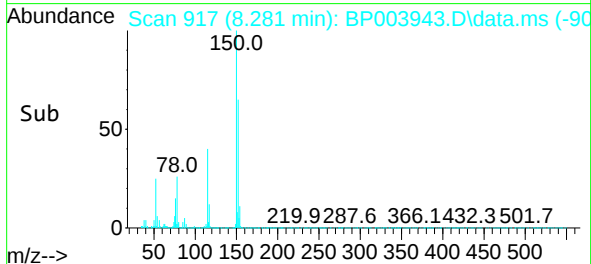
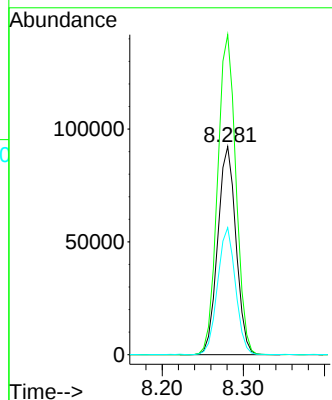
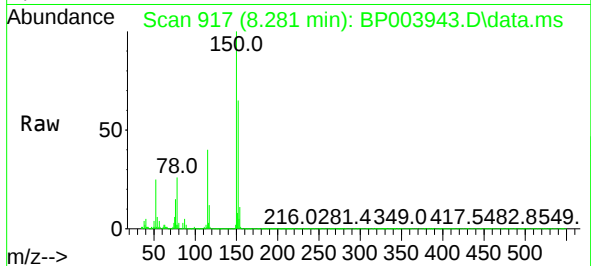




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.281 min Scan# 917  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

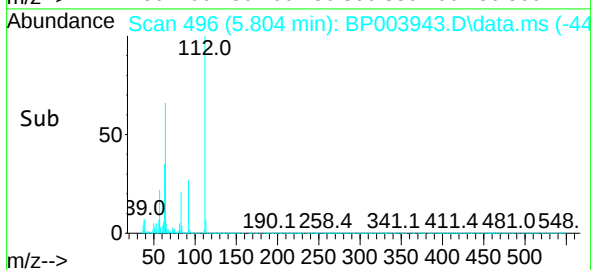
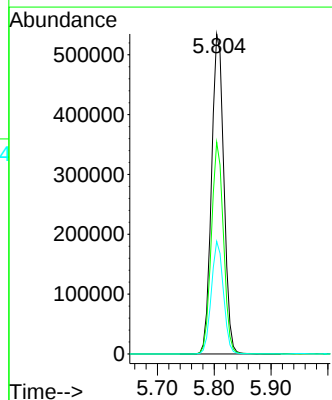
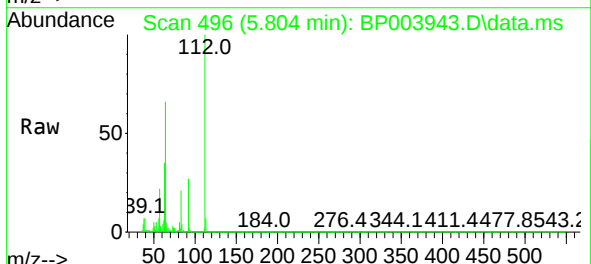
Instrument :  
BNA\_P  
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72-11978

Tgt Ion:152 Resp: 144245  
Ion Ratio Lower Upper  
152 100  
150 153.7 123.8 185.6  
115 61.0 43.8 65.6



#5  
2-Fluorophenol  
Concen: 92.91 ng  
RT: 5.804 min Scan# 496  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:112 Resp: 803001  
Ion Ratio Lower Upper  
112 100  
64 66.2 32.8 49.2#  
63 35.2 17.0 25.4#

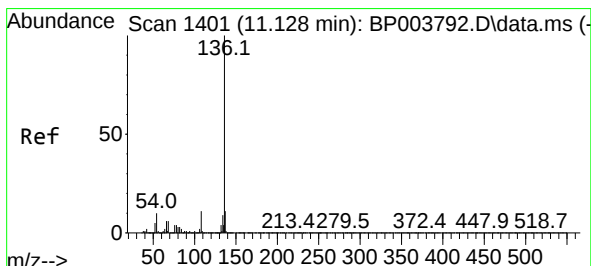
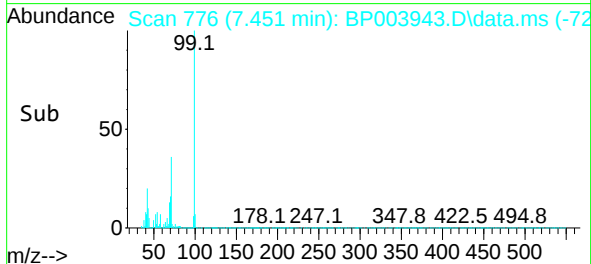
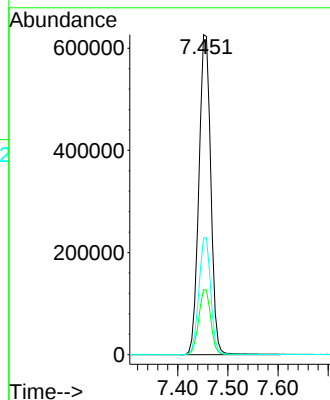
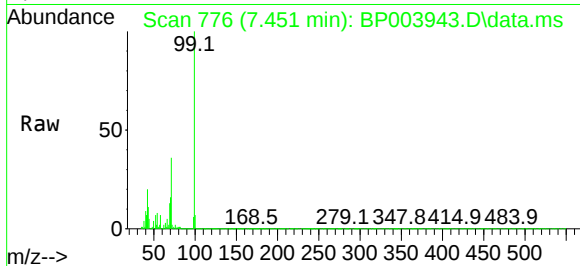




#7  
Phenol-d6  
Concen: 83.15 ng  
RT: 7.451 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

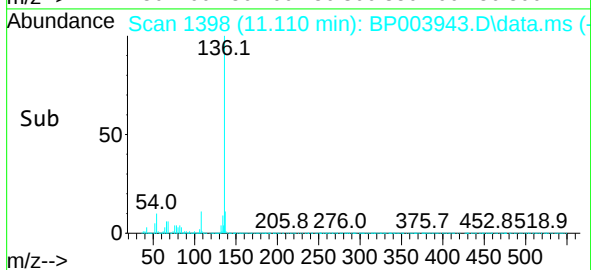
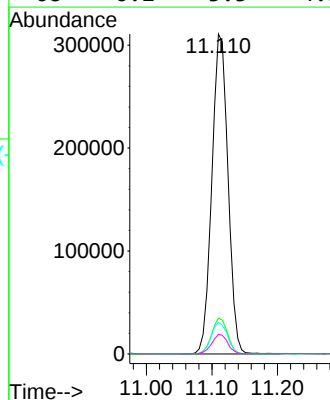
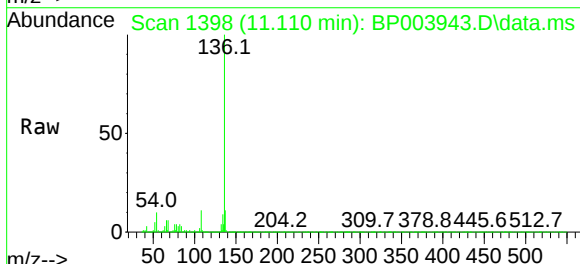
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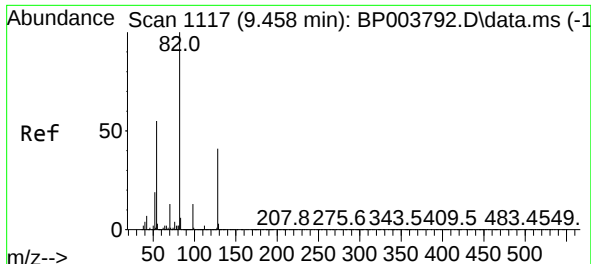
Tgt Ion: 99 Resp: 1031638  
Ion Ratio Lower Upper  
99 100  
42 20.4 8.6 13.0#  
71 36.5 23.4 35.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.110 min Scan# 1398  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion: 136 Resp: 530753  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 9.9 3.6 5.4#  
68 6.2 3.3 4.9#

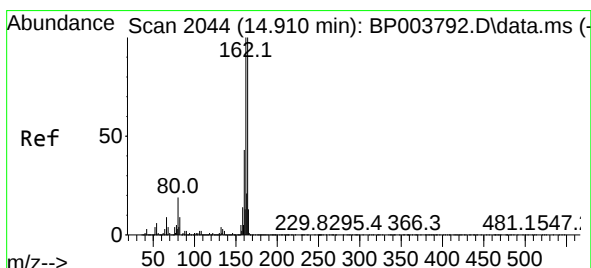
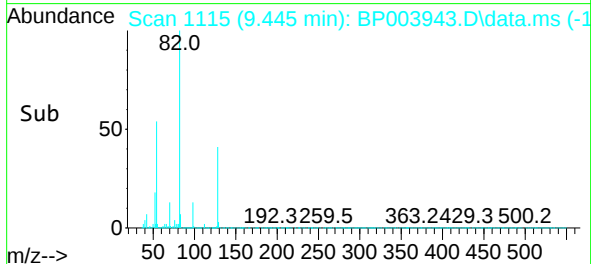
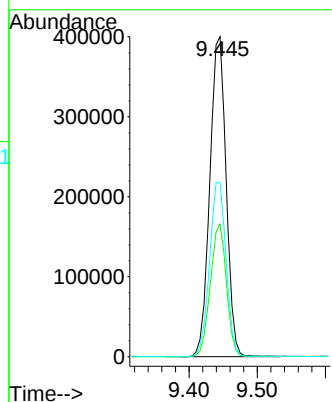
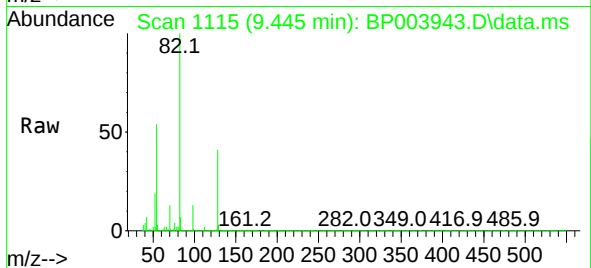




#23  
Nitrobenzene-d5  
Concen: 61.45 ng  
RT: 9.445 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

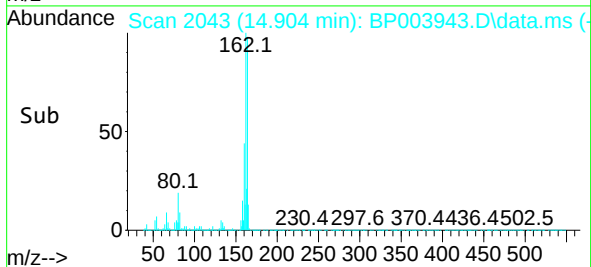
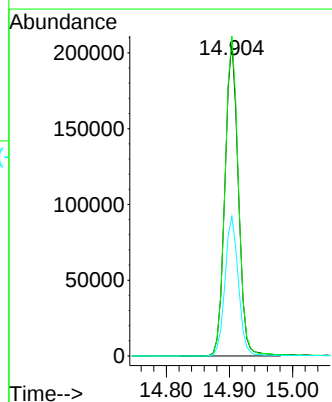
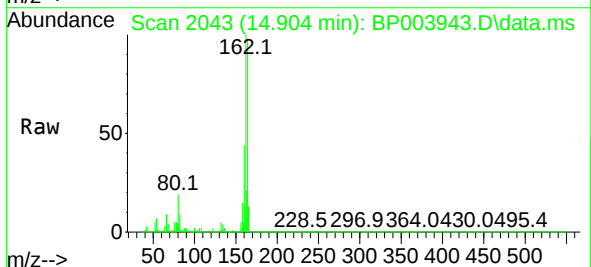
Instrument :  
BNA\_P  
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72-11978

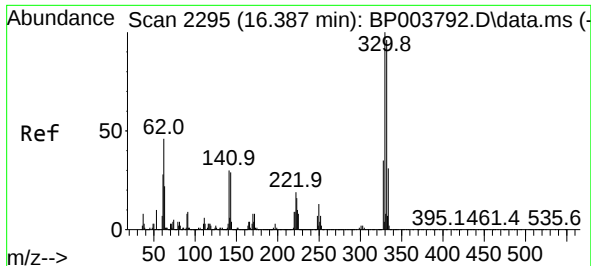
Tgt Ion: 82 Resp: 665927  
Ion Ratio Lower Upper  
82 100  
128 41.4 45.6 68.4#  
54 54.4 30.1 45.1#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.904 min Scan# 2043  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion: 164 Resp: 306038  
Ion Ratio Lower Upper  
164 100  
162 101.7 79.4 119.2  
160 44.3 36.1 54.1

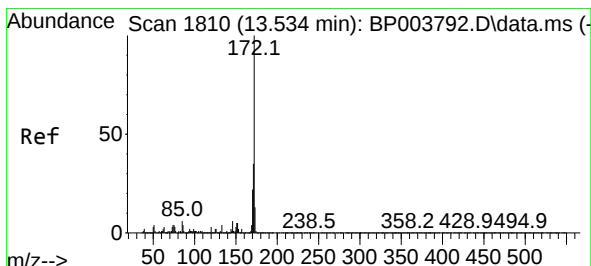
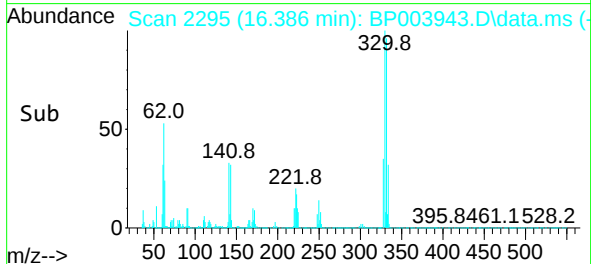
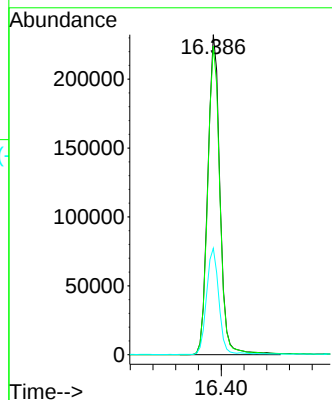
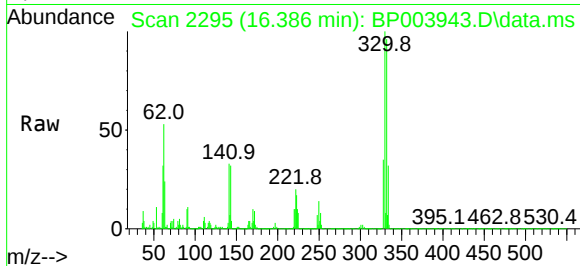




#42  
2,4,6-Tribromophenol  
Concen: 89.95 ng  
RT: 16.386 min Scan# 2295  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

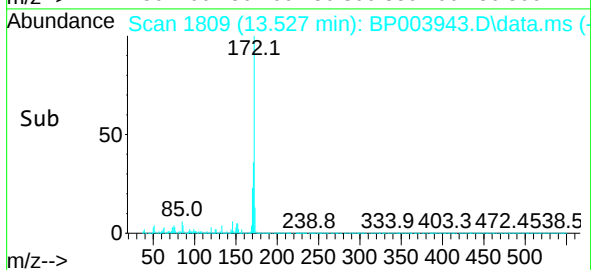
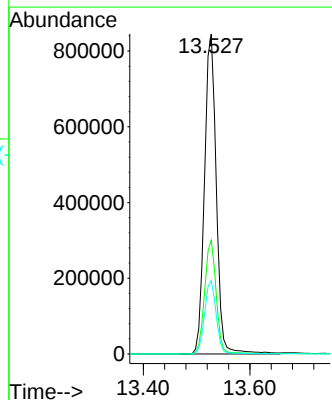
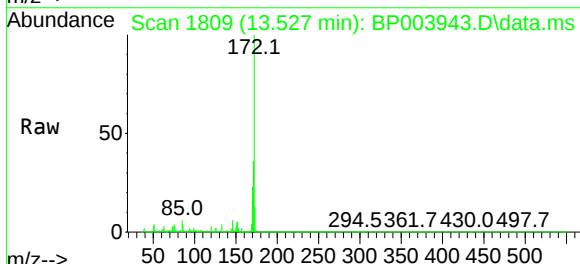
Instrument :  
BNA\_P  
ClientSampleId :  
72-11978

Tgt Ion:330 Resp: 344301  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.1 115.7  
141 33.0 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 59.34 ng  
RT: 13.527 min Scan# 1809  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:172 Resp: 1298958  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 22.9 19.2 28.8

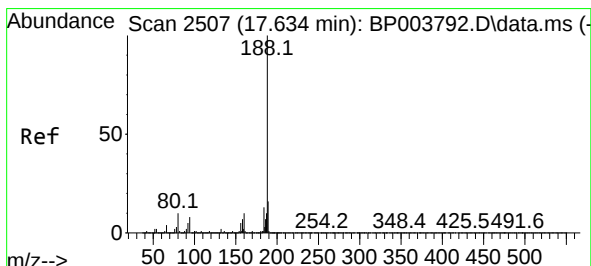
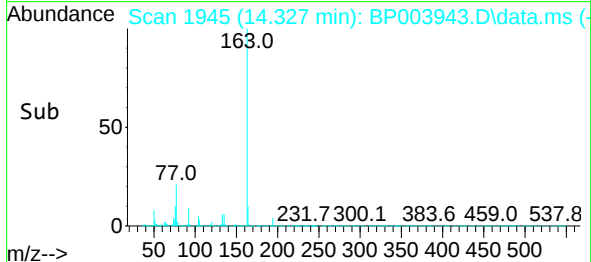
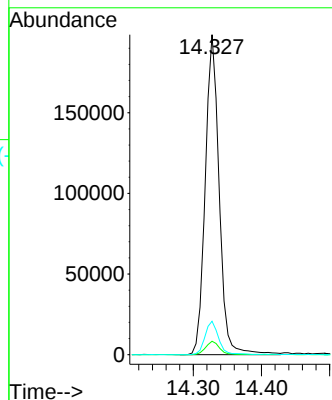
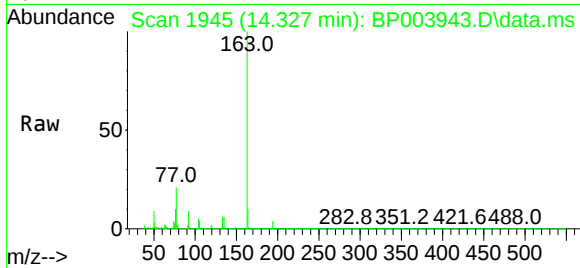




#50  
Dimethylphthalate  
Concen: 11.80 ng  
RT: 14.327 min Scan# 1945  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

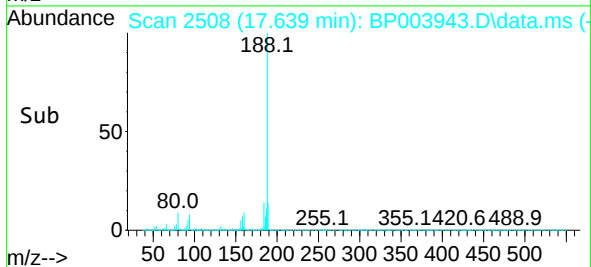
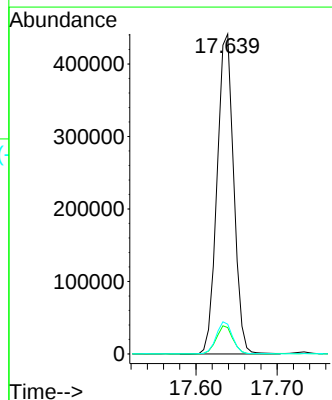
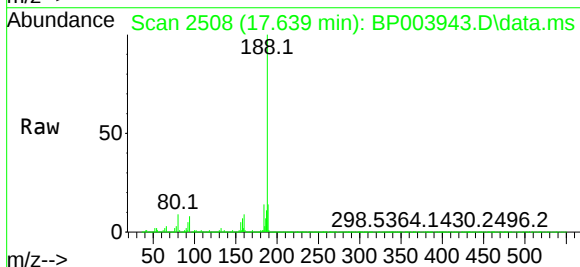
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BNA\_P  
ClientSampleId :  
72-11978

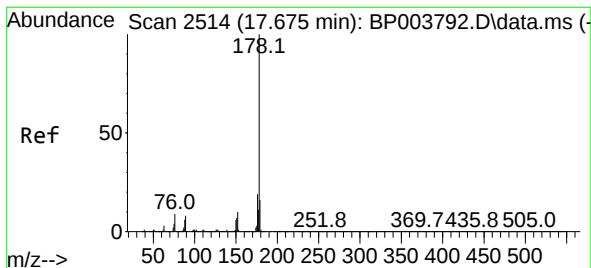
Tgt Ion:163 Resp: 282334  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.4 8.2 12.2



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.639 min Scan# 2508  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:188 Resp: 628059  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.2 9.2  
80 9.3 6.2 9.2#

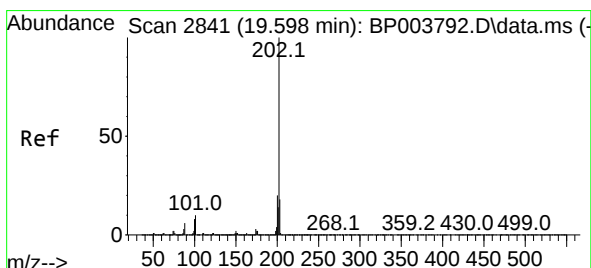
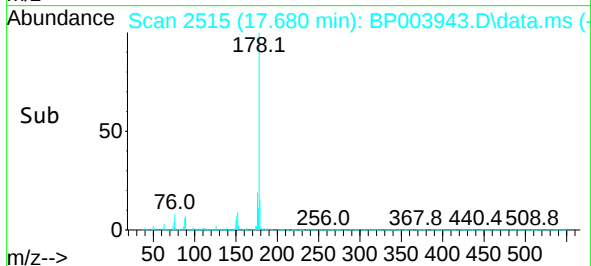
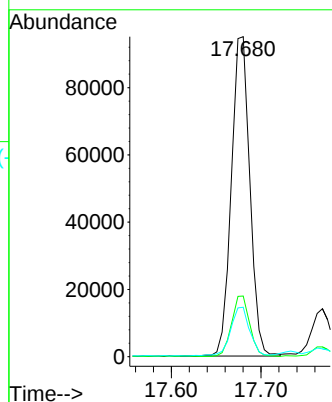
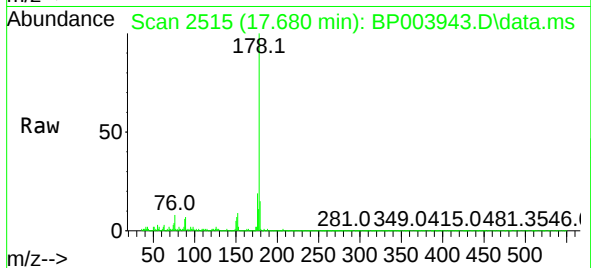




#71  
Phenanthrene  
Concen: 3.86 ng  
RT: 17.680 min Scan# 2515  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

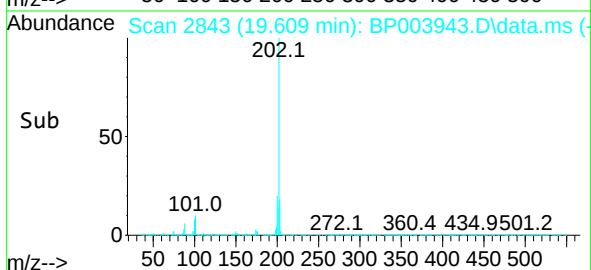
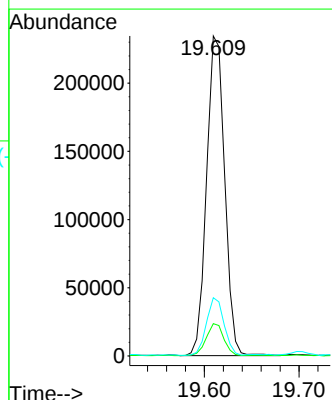
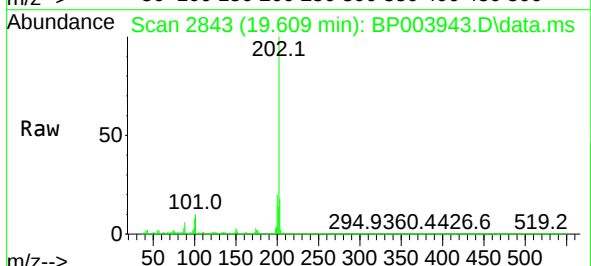
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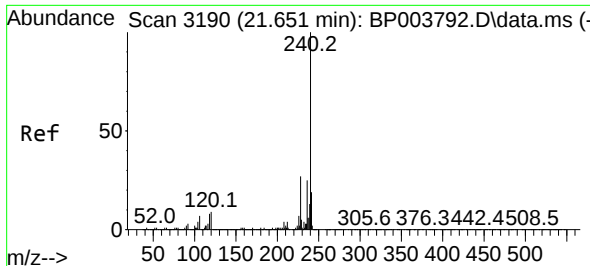
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Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 15.4 12.5 18.7



#75  
Fluoranthene  
Concen: 7.64 ng  
RT: 19.609 min Scan# 2843  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:202 Resp: 310547  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 29.4  
203 18.2 0.0 37.8

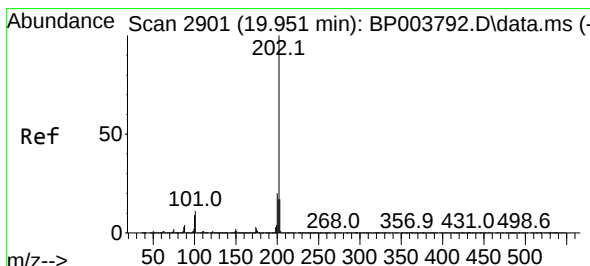
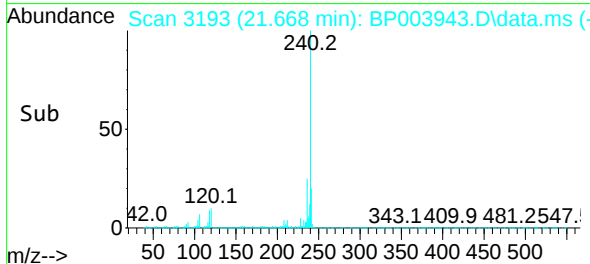
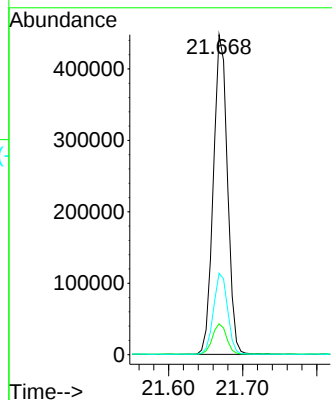
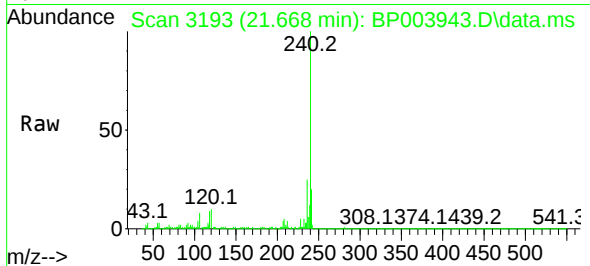




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.668 min Scan# 3193  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

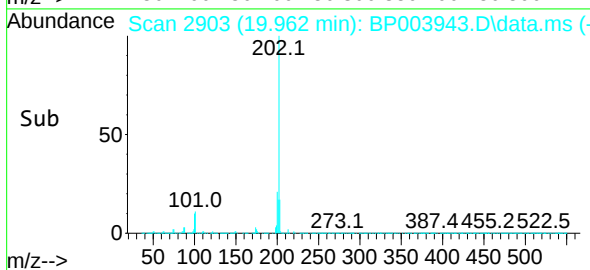
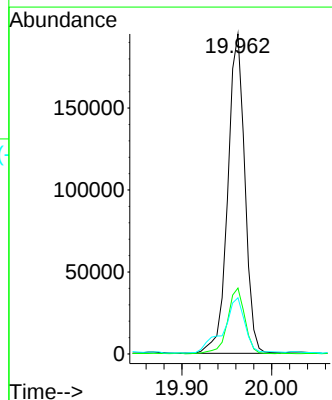
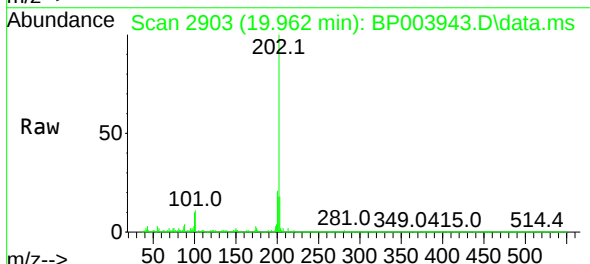
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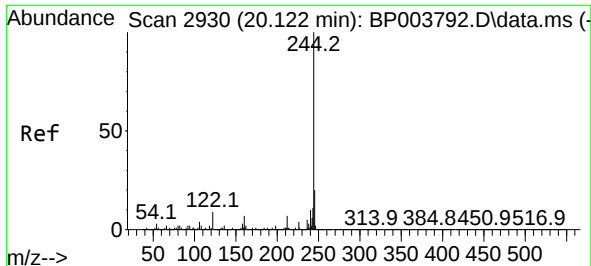
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Ion Ratio Lower Upper  
240 100  
120 9.6 7.8 11.6  
236 25.4 20.8 31.2



#78  
Pyrene  
Concen: 6.39 ng  
RT: 19.962 min Scan# 2903  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:202 Resp: 256418  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.1 25.7  
203 17.6 14.2 21.2

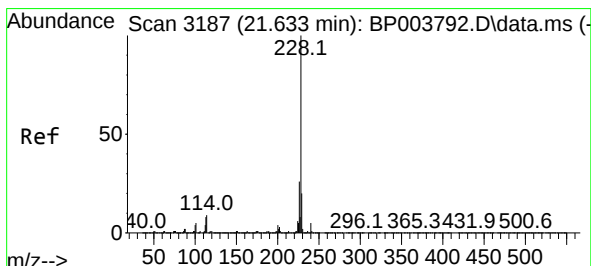
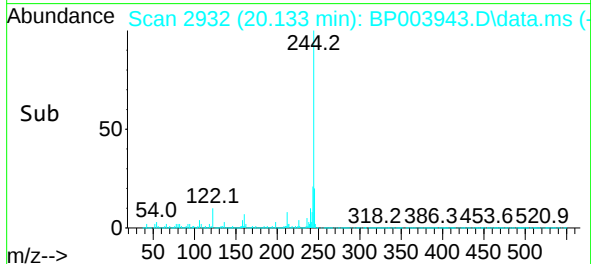
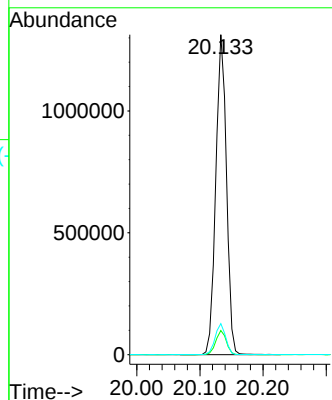
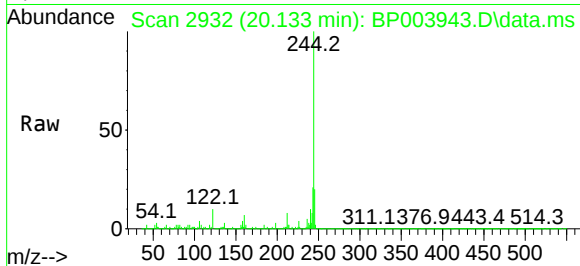




#79  
 Terphenyl-d14  
 Concen: 50.22 ng  
 RT: 20.133 min Scan# 2932  
 Delta R.T. -0.000 min  
 Lab File: BP003943.D  
 Acq: 12 Nov 2020 17:41

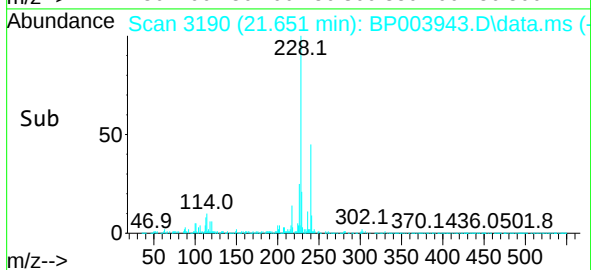
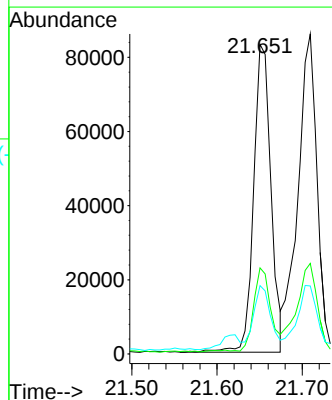
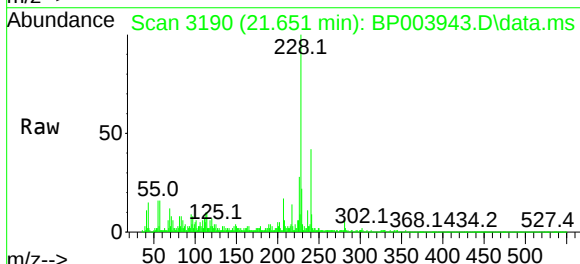
Instrument :  
 BNA\_P  
 ClientSampleId :  
 72-11978

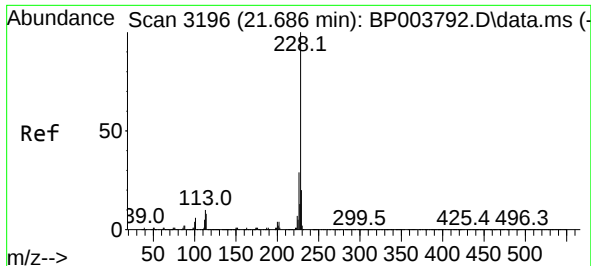
Tgt Ion:244 Resp: 1536647  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.8 8.6  
 122 9.7 7.8 11.8



#81  
 Benzo(a)anthracene  
 Concen: 3.01 ng  
 RT: 21.651 min Scan# 3190  
 Delta R.T. -0.006 min  
 Lab File: BP003943.D  
 Acq: 12 Nov 2020 17:41

Tgt Ion:228 Resp: 117332  
 Ion Ratio Lower Upper  
 228 100  
 226 27.8 22.1 33.1  
 229 22.0 15.9 23.9

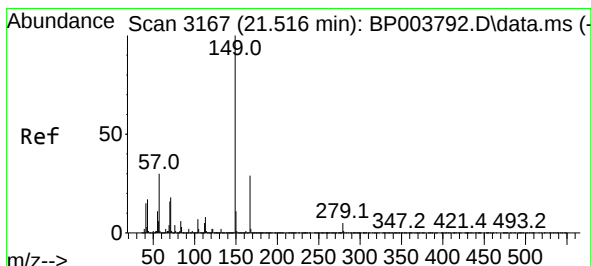
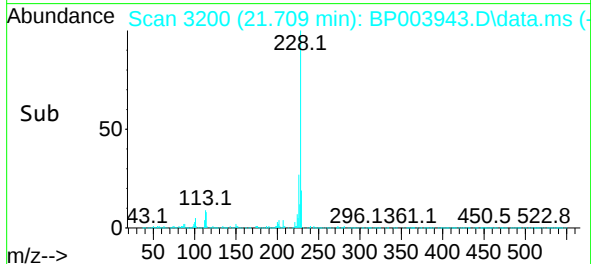
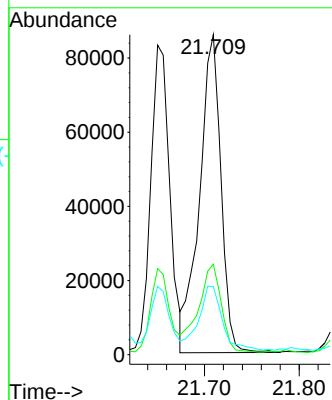
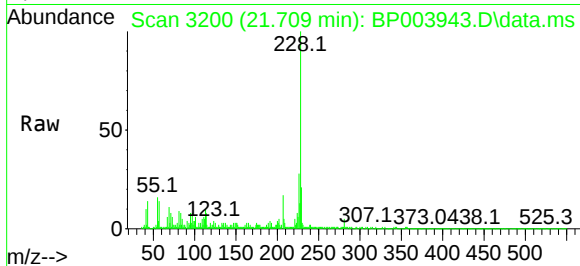




#83  
Chrysene  
Concen: 3.60 ng  
RT: 21.709 min Scan# 3200  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

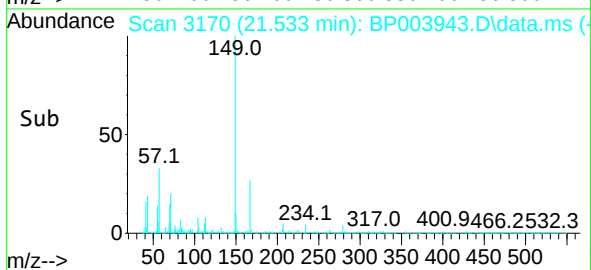
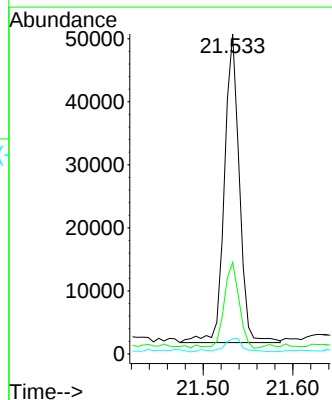
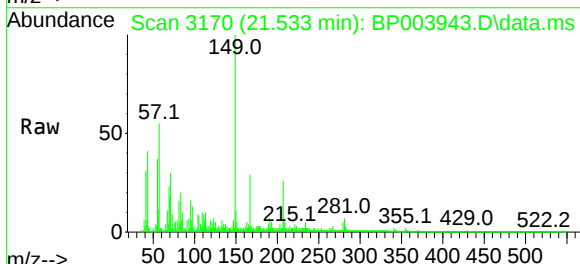
Instrument :  
BNA\_P  
ClientSampleId :  
72-11978

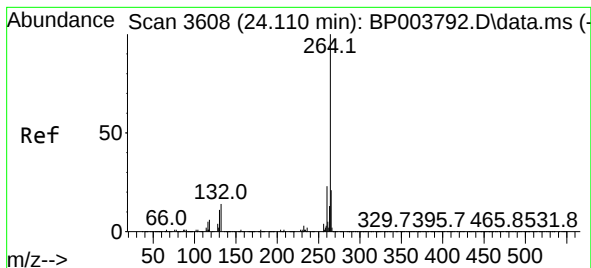
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 134654    |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 28.3  | 24.4 36.6 |
| 229         | 21.3  | 15.8 23.6 |



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.58 ng  
RT: 21.533 min Scan# 3170  
Delta R.T. -0.000 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 56793     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 28.7  | 22.6 34.0 |
| 279         | 4.7   | 4.2 6.2   |





#86

Perylene-d12

Concen: 20.00 ng

RT: 24.156 min Scan# 3616

Delta R.T. -0.000 min

Lab File: BP003943.D

Acq: 12 Nov 2020 17:41

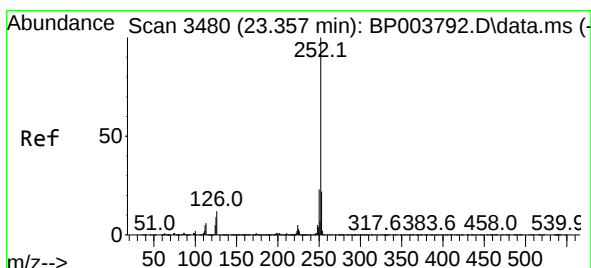
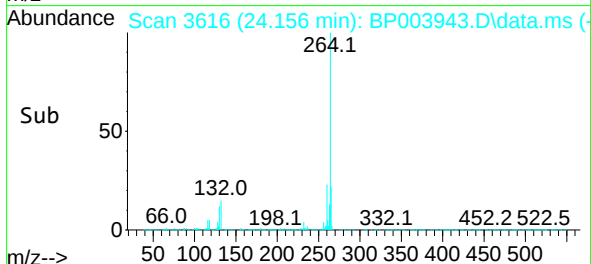
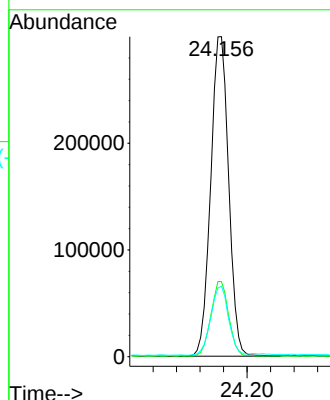
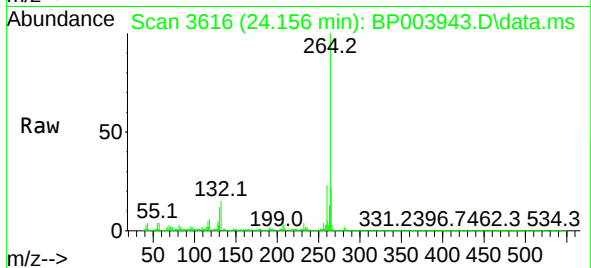
Tgt Ion:264 Resp: 634759

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 22.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.81 ng

RT: 23.397 min Scan# 3487

Delta R.T. -0.006 min

Lab File: BP003943.D

Acq: 12 Nov 2020 17:41

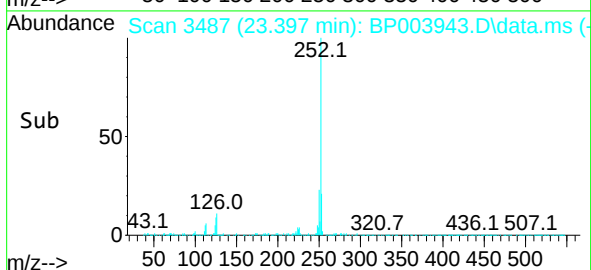
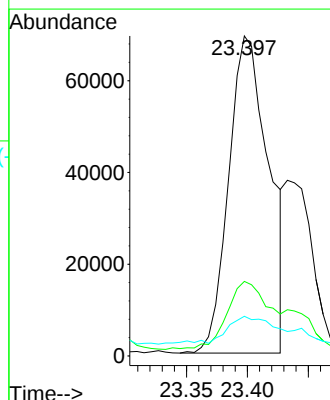
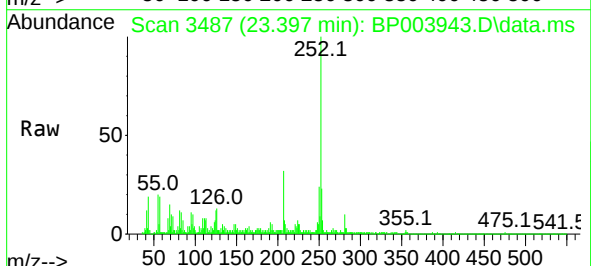
Tgt Ion:252 Resp: 158125

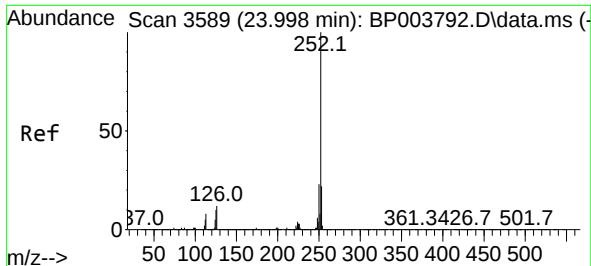
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 12.4 7.3 10.9#

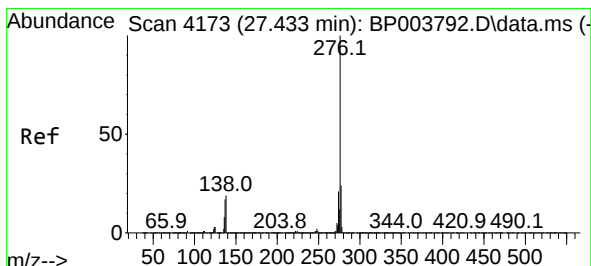
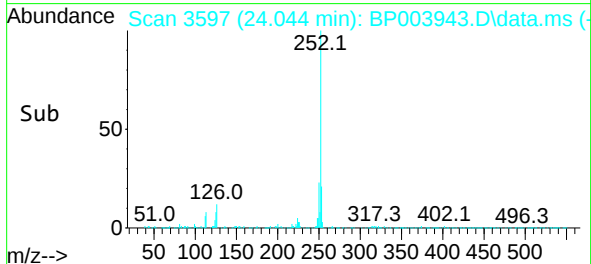
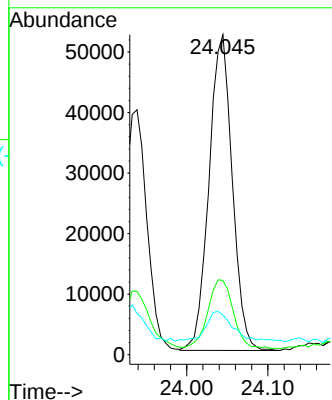
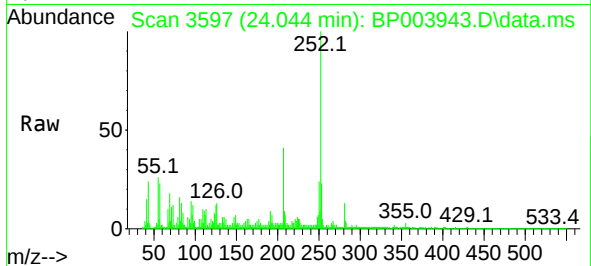




#90  
Benzo(a)pyrene  
Concen: 2.70 ng  
RT: 24.044 min Scan# 3597  
Delta R.T. -0.006 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Instrument :  
BNA\_P  
ClientSampleId :  
72-11978

Tgt Ion:252 Resp: 103991  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.4 26.0  
125 12.4 8.2 12.4#



#92  
Benzo(g,h,i)perylene  
Concen: 2.09 ng  
RT: 27.497 min Scan# 4184  
Delta R.T. -0.024 min  
Lab File: BP003943.D  
Acq: 12 Nov 2020 17:41

Tgt Ion:276 Resp: 77251  
Ion Ratio Lower Upper  
276 100  
277 27.1 19.0 28.6  
138 19.9 16.6 24.8

