

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060424\  
 Data File : BP020502.D  
 Acq On : 04 Jun 2024 18:57  
 Operator : MA/JU  
 Sample : P2680-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RBR2520258

Quant Time: Jun 05 01:23:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

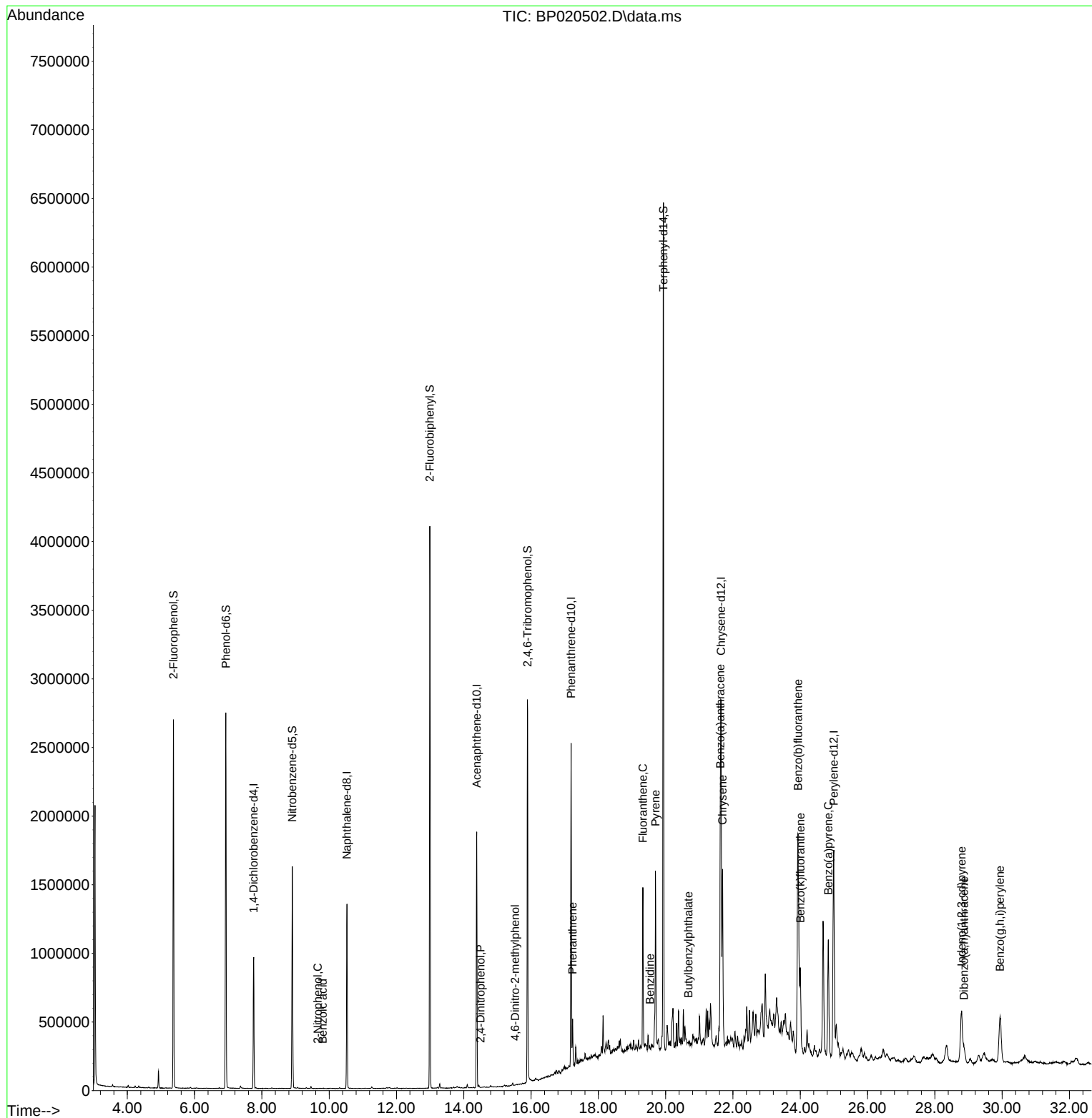
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.757  | 152  | 257015   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.528 | 136  | 1032308  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.387 | 164  | 662837   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1424933  | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 21.645 | 240  | 1345521  | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 24.998 | 264  | 1545322  | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 1130513  | 78.755 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.928  | 99   | 1521650  | 75.166 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 917628   | 48.659 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.898 | 330  | 488965   | 71.081 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.993 | 172  | 2073580  | 46.635 | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.933 | 244  | 3403564  | 42.110 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 26) 2-Nitrophenol             | 9.657  | 139  | 6        | 3.792  | ng    | # 1      |
| 32) Benzoic acid              | 9.810  | 122  | 107      | 6.857  | ng    | # 32     |
| 54) 2,4-Dinitrophenol         | 14.498 | 184  | 35       | 4.984  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 20       | 7.656  | ng    | # 1      |
| 71) Phenanthrene              | 17.233 | 178  | 226215   | 3.230  | ng    | 97       |
| 75) Fluoranthene              | 19.322 | 202  | 732116   | 8.835  | ng    | 99       |
| 77) Benzidine                 | 19.539 | 184  | 95       | 5.972  | ng    | # 1      |
| 78) Pyrene                    | 19.698 | 202  | 762841   | 7.537  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.674 | 149  | 844      | 2.451  | ng    | # 28     |
| 81) Benzo(a)anthracene        | 21.621 | 228  | 758373   | 8.560  | ng    | 98       |
| 83) Chrysene                  | 21.692 | 228  | 1117729  | 13.389 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.798 | 276  | 651016   | 6.928  | ng    | # 84     |
| 88) Benzo(b)fluoranthene      | 23.933 | 252  | 1905412  | 19.792 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.004 | 252  | 524412   | 5.585  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.833 | 252  | 865875   | 10.860 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.862 | 278  | 193545   | 2.469  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 29.939 | 276  | 582316   | 7.433  | ng    | 98       |
| -----                         |        |      |          |        |       |          |

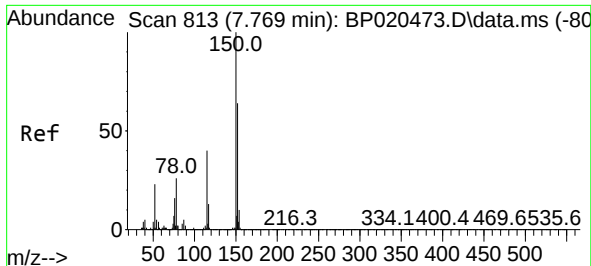
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060424\  
Data File : BP020502.D  
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Sample : P2680-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 30 03:41:03 2024  
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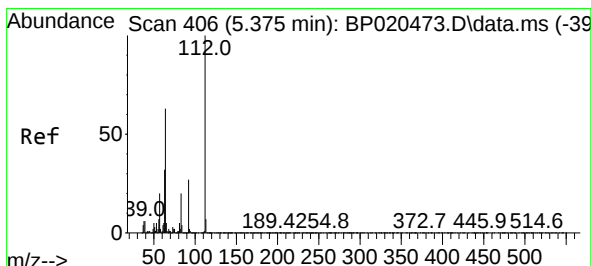
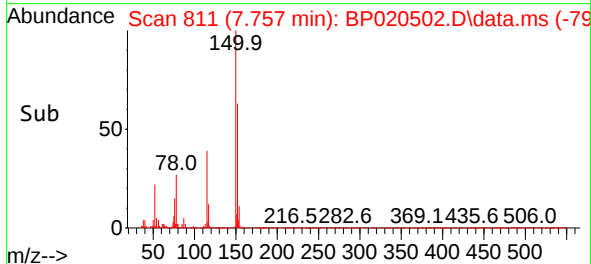
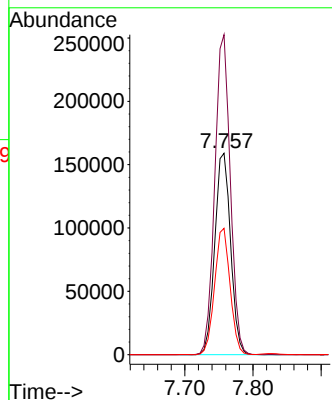
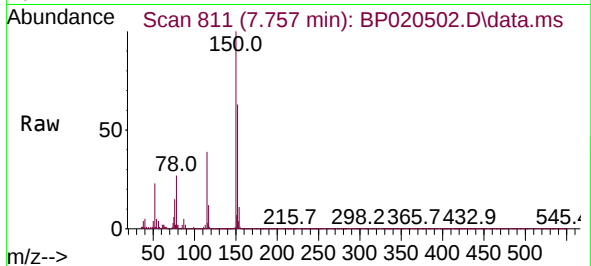




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.757 min Scan# 813  
Delta R.T. -0.012 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

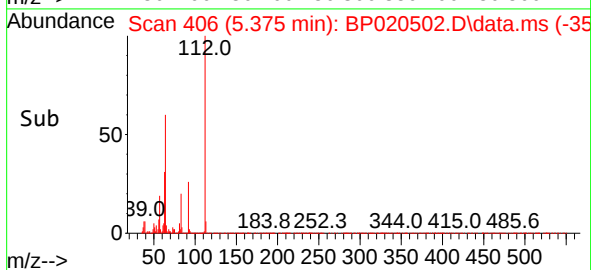
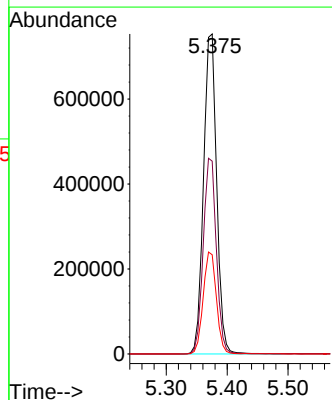
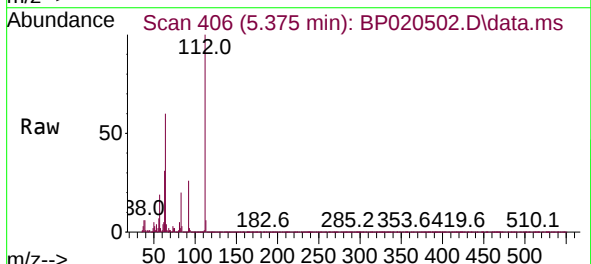
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

Tgt Ion:152 Resp: 257015  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.2 186.2  
115 62.7 49.5 74.3



#5  
2-Fluorophenol  
Concen: 78.755 ng  
RT: 5.375 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:112 Resp: 1130513  
Ion Ratio Lower Upper  
112 100  
64 60.2 50.1 75.1  
63 31.0 25.7 38.5

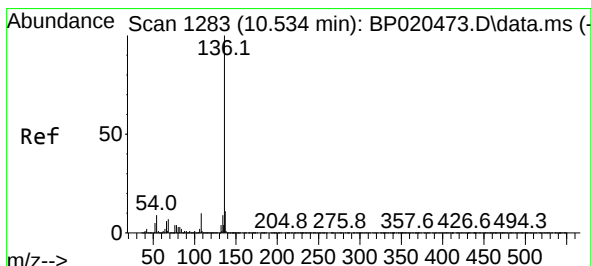
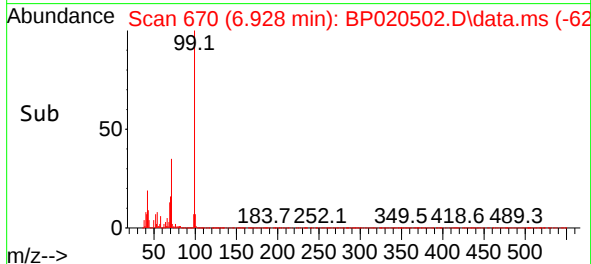
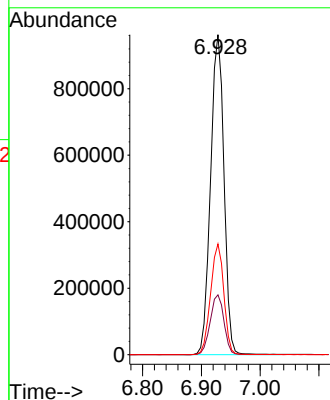
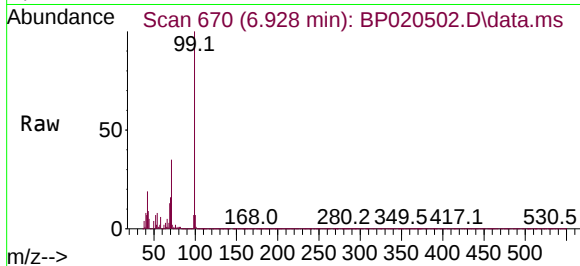




#7  
Phenol-d6  
Concen: 75.166 ng  
RT: 6.928 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

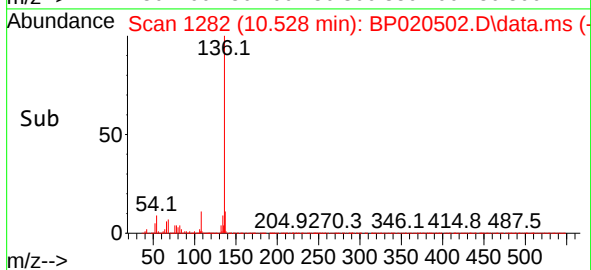
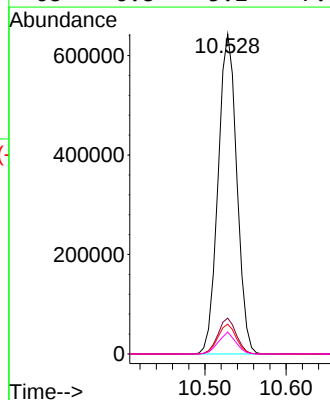
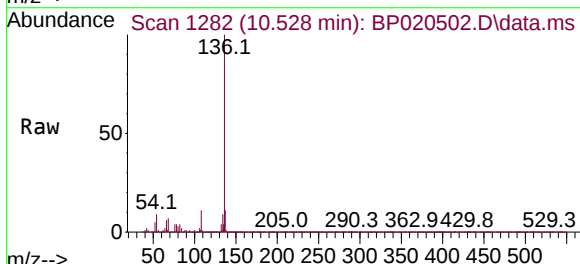
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ClientSampleId :  
RBR2520258

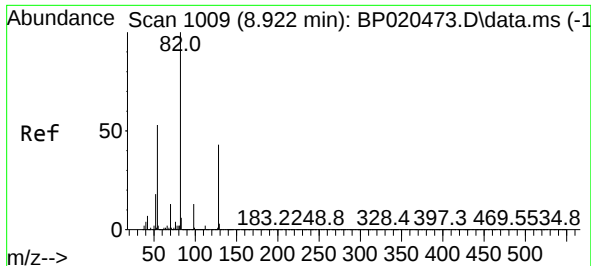
Tgt Ion: 99 Resp: 1521650  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.4  
71 34.6 27.3 40.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.528 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:136 Resp: 1032308  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 9.3 7.4 11.0  
68 6.8 5.2 7.8

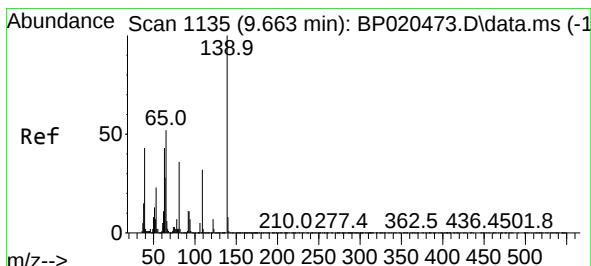
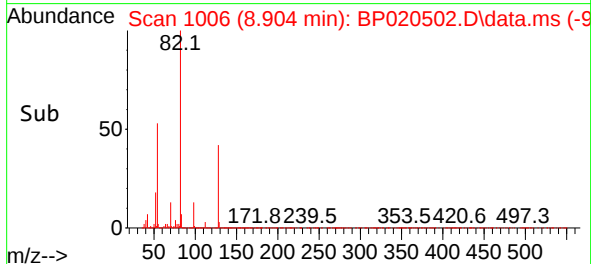
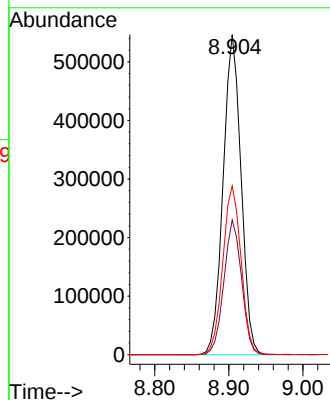
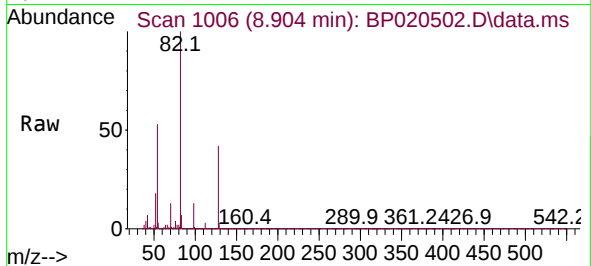




#23  
Nitrobenzene-d5  
Concen: 48.659 ng  
RT: 8.904 min Scan# 1006  
Delta R.T. -0.018 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

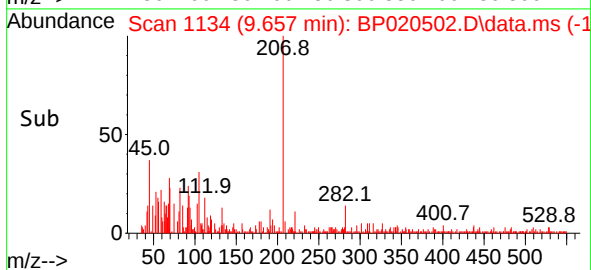
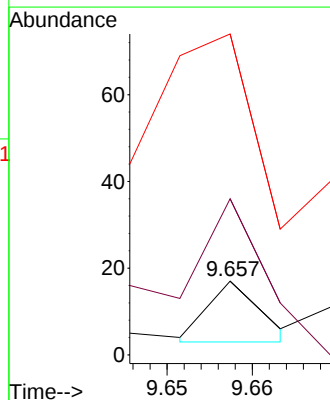
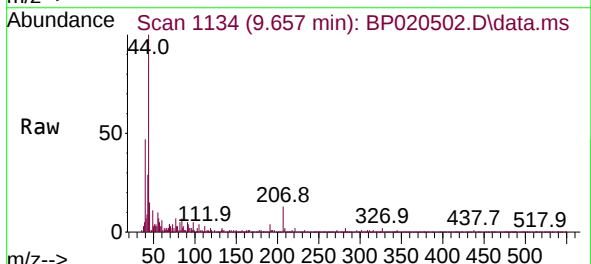
Instrument :  
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ClientSampleId :  
RBR2520258

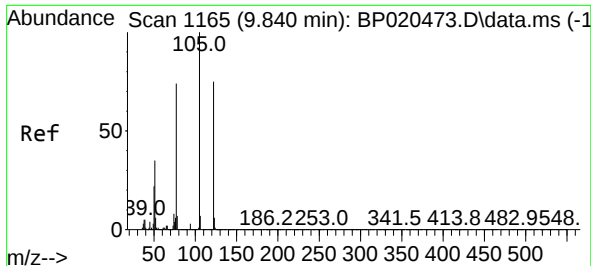
Tgt Ion: 82 Resp: 917628  
Ion Ratio Lower Upper  
82 100  
128 42.1 34.2 51.4  
54 52.7 42.7 64.1



#26  
2-Nitrophenol  
Concen: 3.792 ng  
RT: 9.657 min Scan# 1134  
Delta R.T. -0.006 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion: 139 Resp: 6  
Ion Ratio Lower Upper  
139 100  
109 211.8 25.8 38.8#  
65 435.3 41.8 62.8#

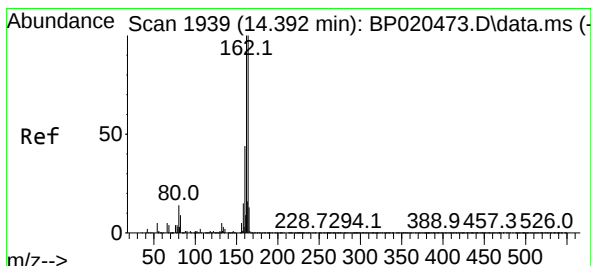
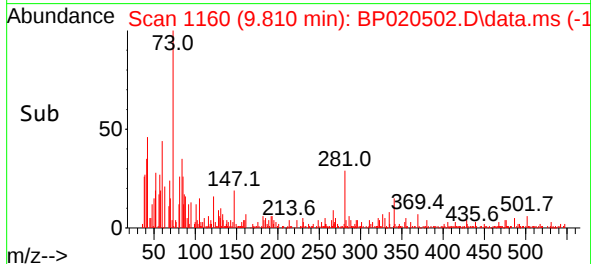
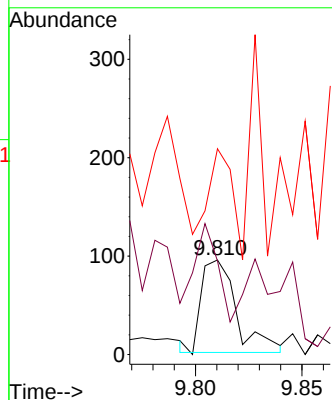
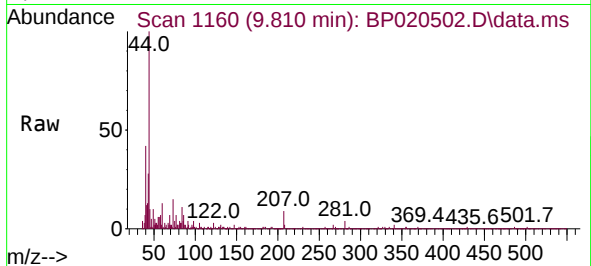




#32  
Benzoic acid  
Concen: 6.857 ng  
RT: 9.810 min Scan# 1165  
Delta R.T. -0.030 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

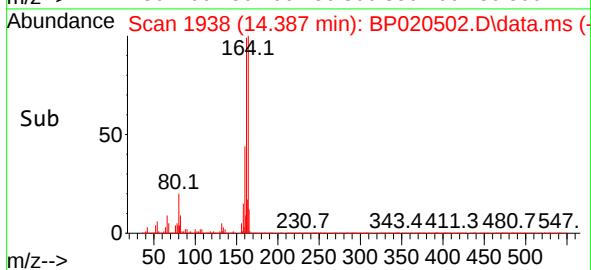
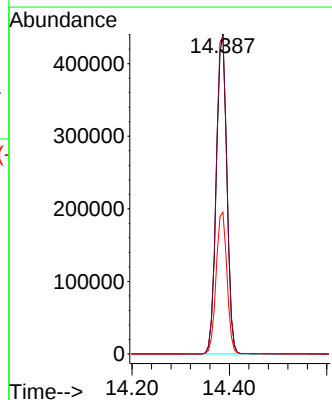
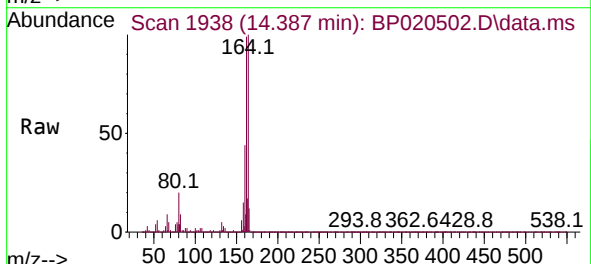
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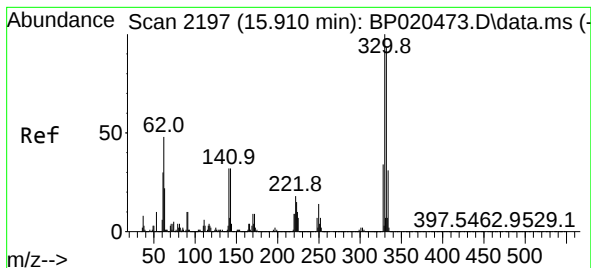
Tgt Ion:122 Resp: 107  
Ion Ratio Lower Upper  
122 100  
105 99.0 107.5 147.5#  
77 217.7 76.1 116.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.387 min Scan# 1938  
Delta R.T. -0.005 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:164 Resp: 662837  
Ion Ratio Lower Upper  
164 100  
162 99.3 80.3 120.5  
160 44.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 71.081 ng

RT: 15.898 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA\_P

ClientSampleId :

RBR2520258

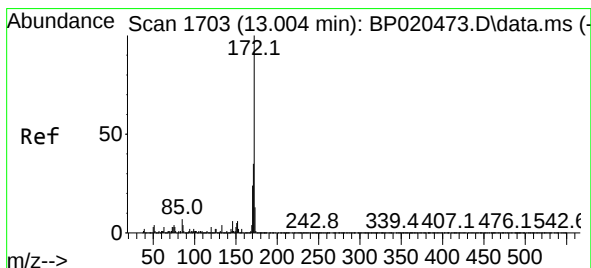
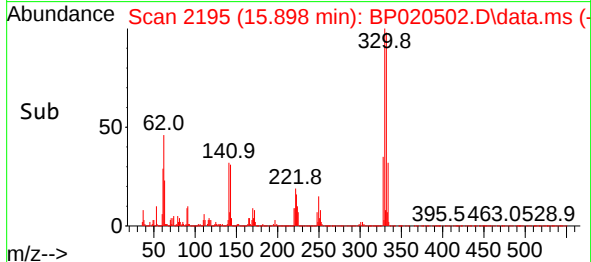
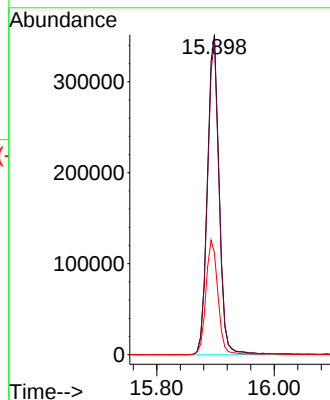
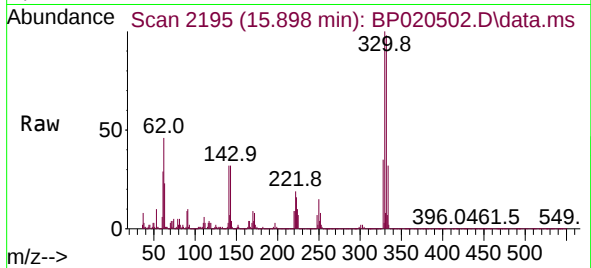
Tgt Ion:330 Resp: 488965

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

141 36.3 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 46.635 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

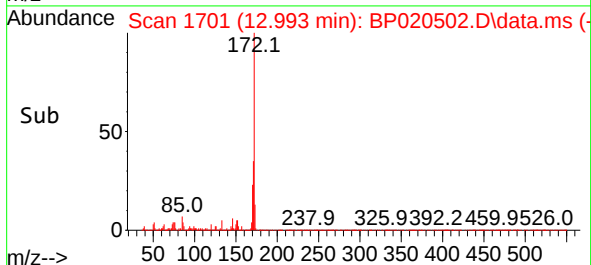
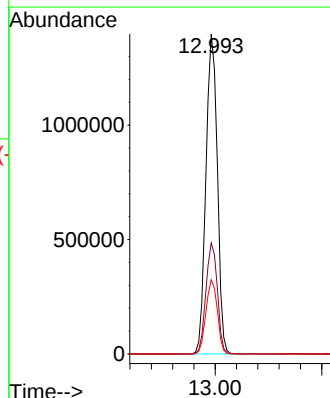
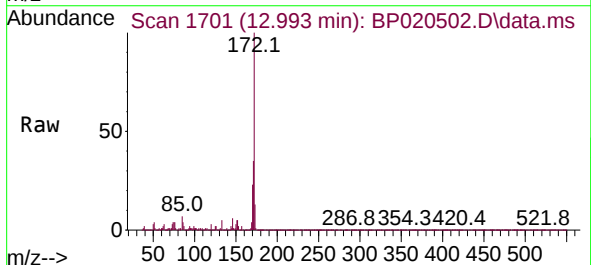
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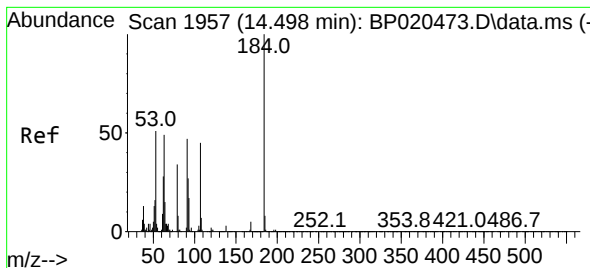
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.2 18.9 28.3

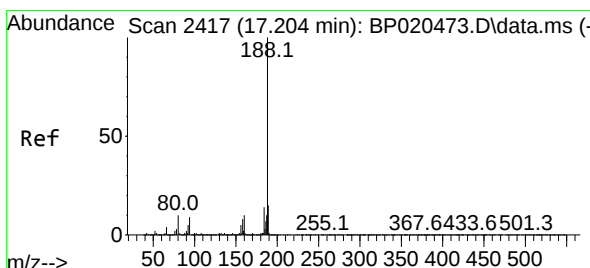
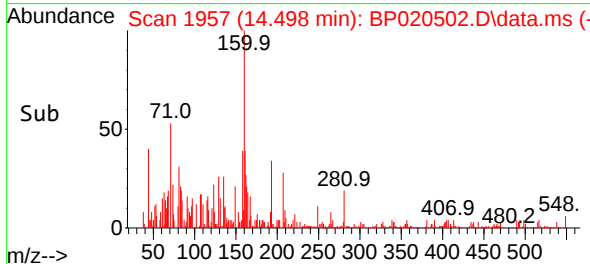
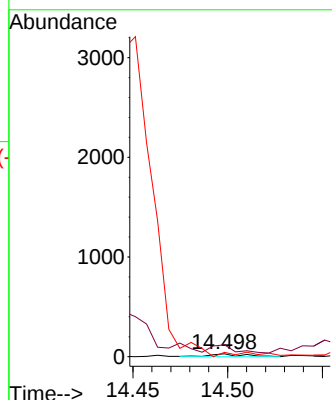
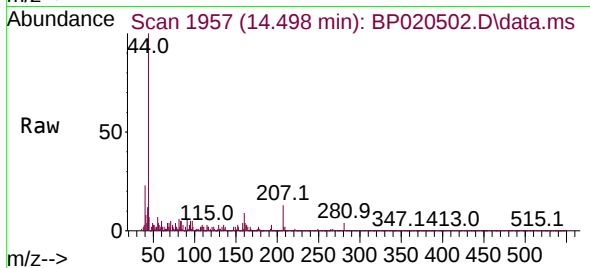




#54  
2,4-Dinitrophenol  
Concen: 4.984 ng  
RT: 14.498 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

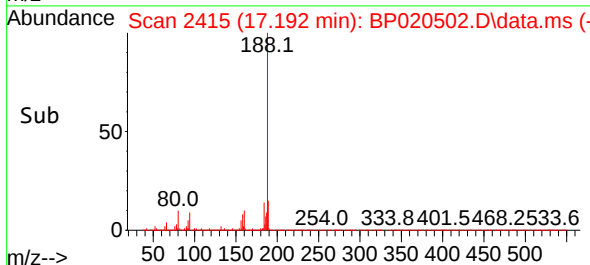
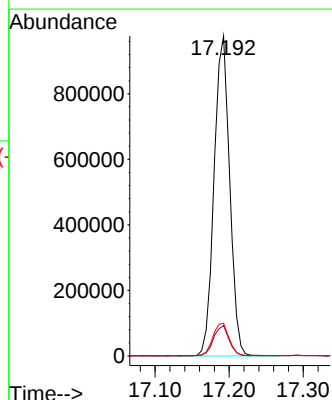
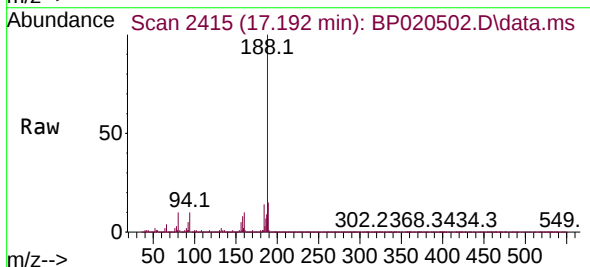
Instrument :  
BNA\_P  
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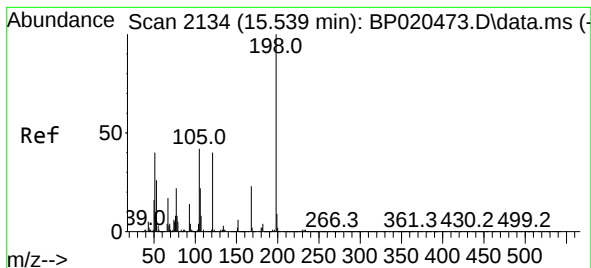
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Ion Ratio Lower Upper  
184 100  
63 473.3 54.2 81.4#  
154 146.7 51.0 76.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.192 min Scan# 2415  
Delta R.T. -0.012 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:188 Resp: 1424933  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 10.2 8.1 12.1

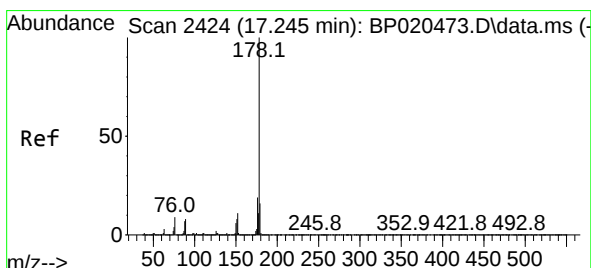
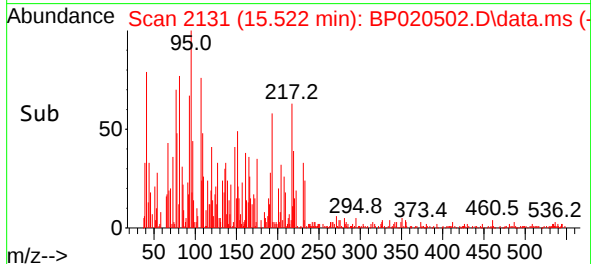
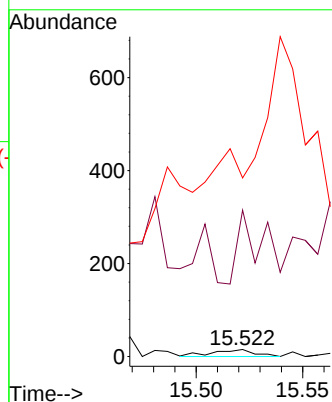
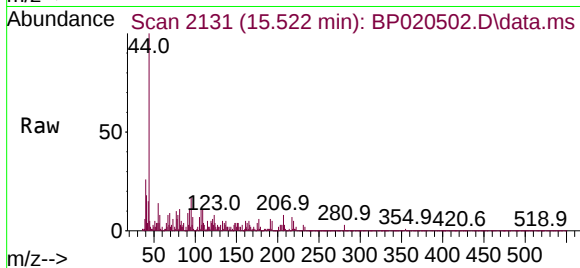




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.656 ng  
RT: 15.522 min Scan# 2134  
Delta R.T. -0.017 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

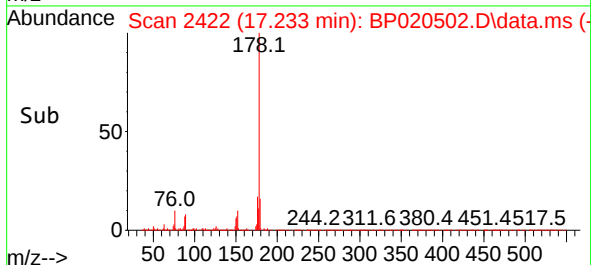
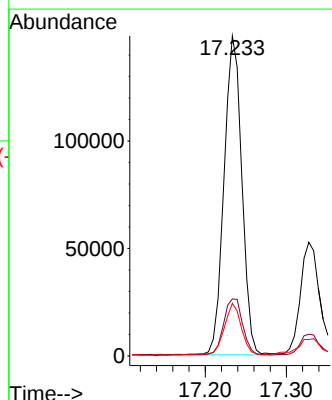
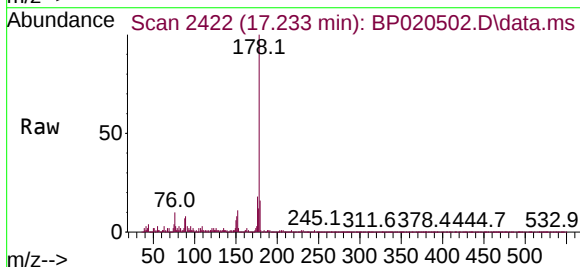
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

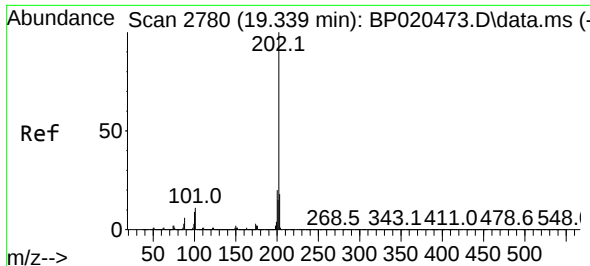
Tgt Ion:198 Resp: 20  
Ion Ratio Lower Upper  
198 100  
51 2100.0 24.8 64.8#  
105 2560.0 23.2 63.2#



#71  
Phenanthrene  
Concen: 3.230 ng  
RT: 17.233 min Scan# 2422  
Delta R.T. -0.012 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:178 Resp: 226215  
Ion Ratio Lower Upper  
178 100  
176 17.8 15.4 23.2  
179 16.5 12.5 18.7

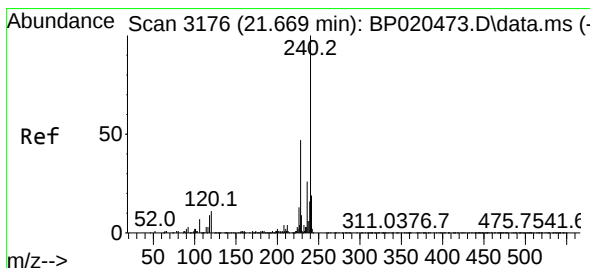
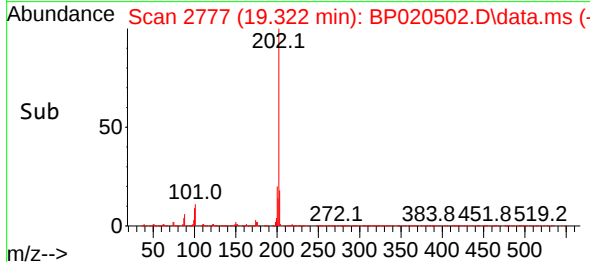
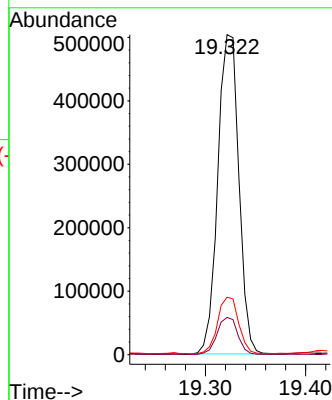
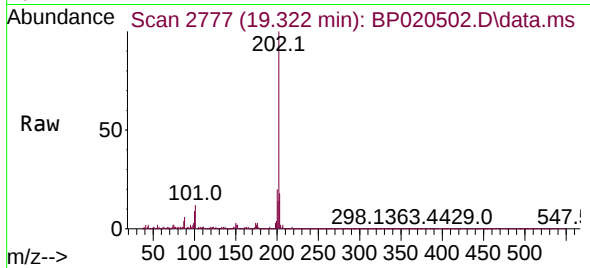




#75  
Fluoranthene  
Concen: 8.835 ng  
RT: 19.322 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

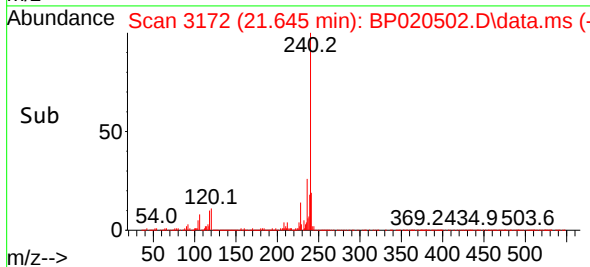
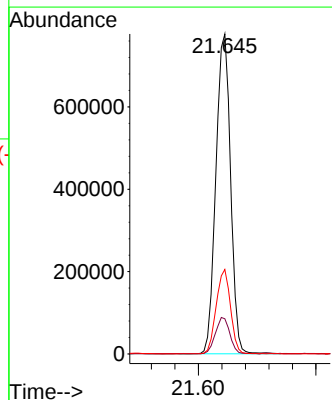
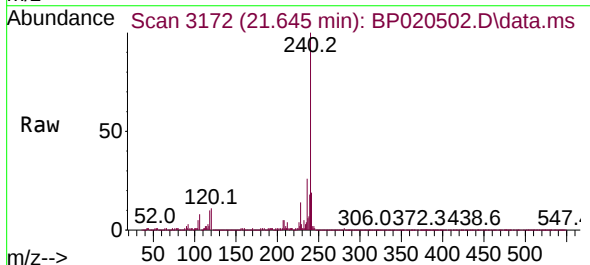
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

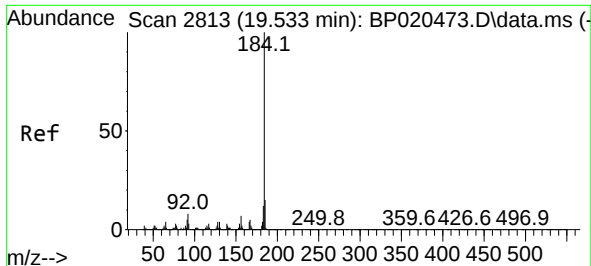
Tgt Ion:202 Resp: 732116  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 31.4  
203 18.0 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.645 min Scan# 3172  
Delta R.T. -0.024 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:240 Resp: 1345521  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.5 12.7  
236 26.4 20.5 30.7

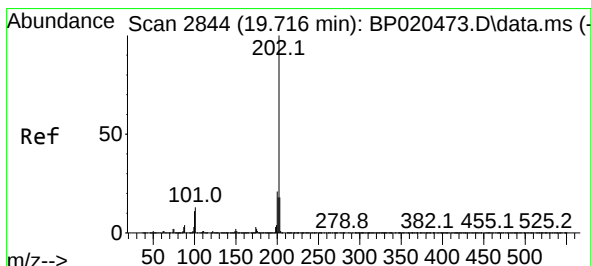
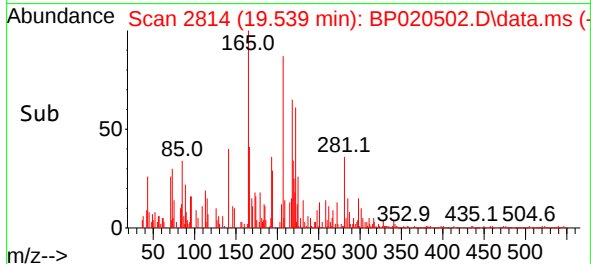
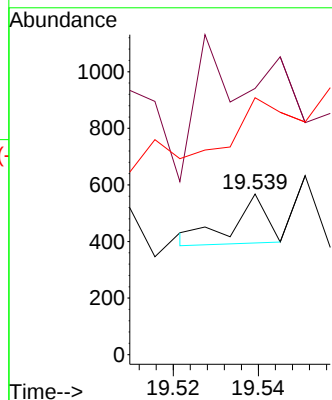
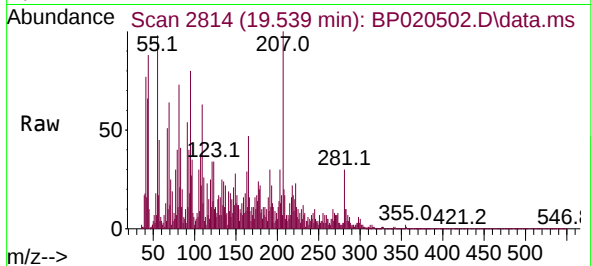




#77  
Benzidine  
Concen: 5.972 ng  
RT: 19.539 min Scan# 2813  
Delta R.T. 0.006 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

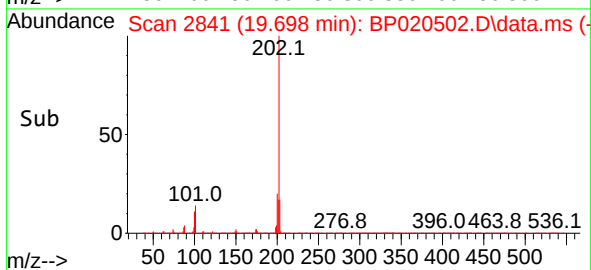
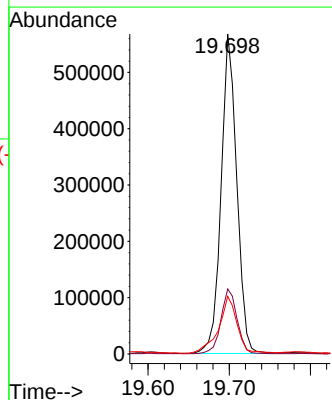
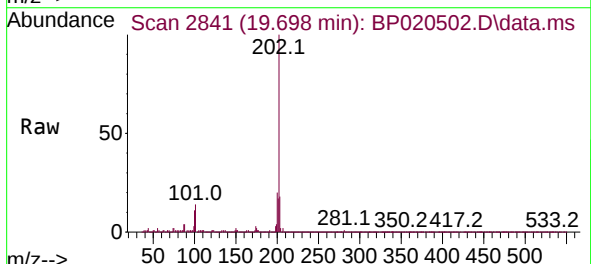
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

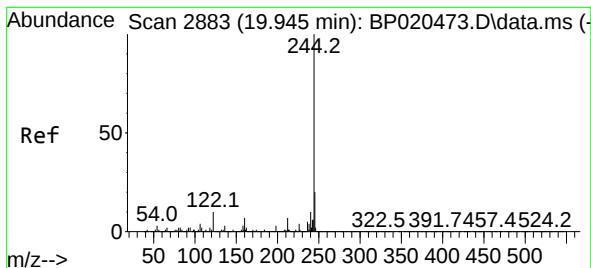
Tgt Ion:184 Resp: 95  
Ion Ratio Lower Upper  
184 100  
185 165.7 12.0 18.0#  
183 159.9 9.4 14.0#



#78  
Pyrene  
Concen: 7.537 ng  
RT: 19.698 min Scan# 2841  
Delta R.T. -0.018 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:202 Resp: 762841  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.9 25.3  
203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 42.110 ng

RT: 19.933 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA\_P

ClientSampleId :

RBR2520258

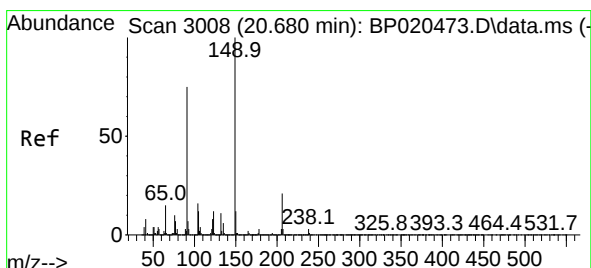
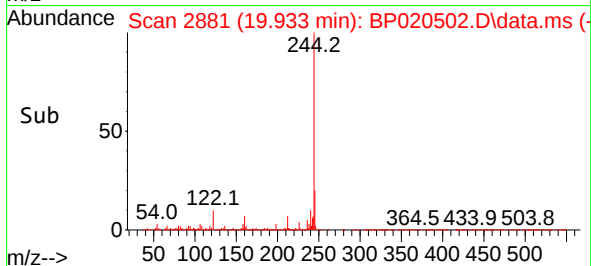
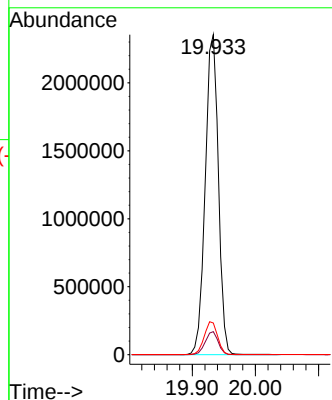
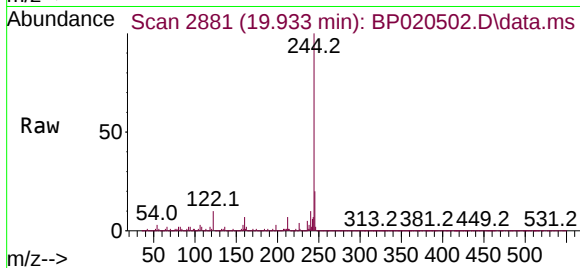
Tgt Ion:244 Resp: 3403564

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 2.451 ng

RT: 20.674 min Scan# 3007

Delta R.T. -0.006 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

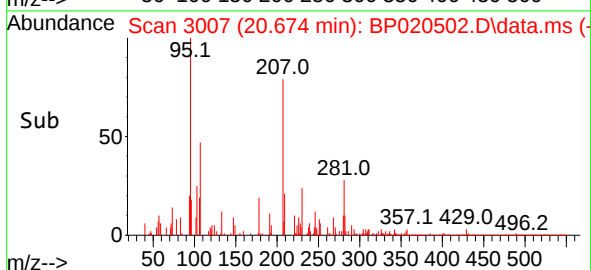
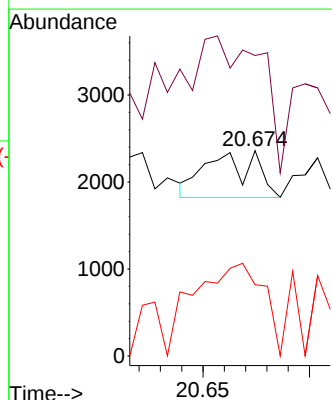
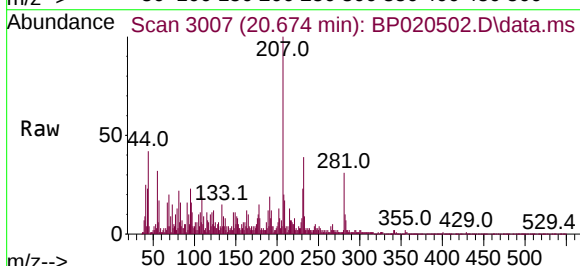
Tgt Ion:149 Resp: 844

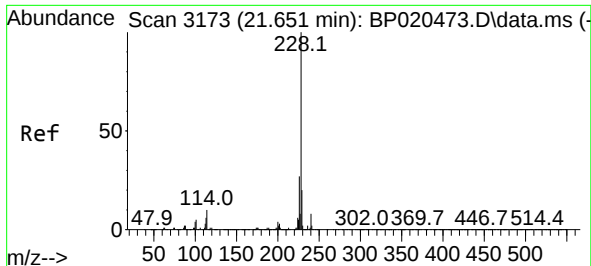
Ion Ratio Lower Upper

149 100

91 146.3 60.0 90.0#

206 34.6 16.6 25.0#

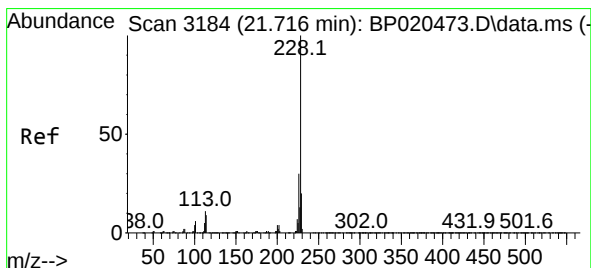
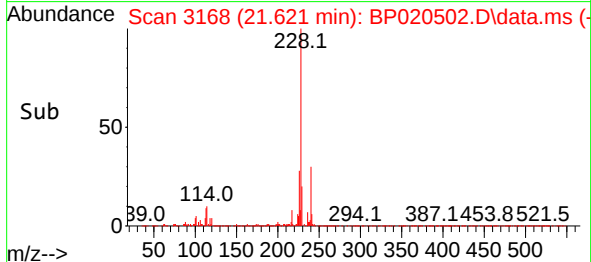
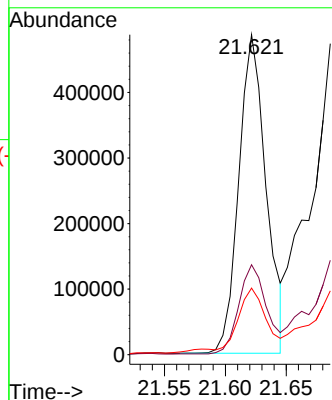
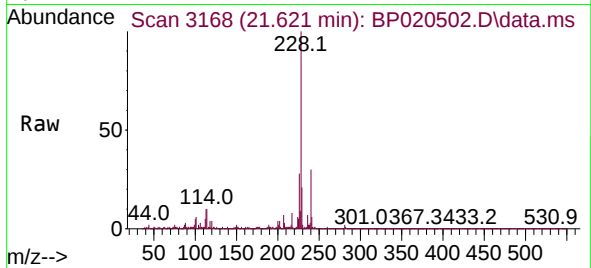




#81  
Benzo(a)anthracene  
Concen: 8.560 ng  
RT: 21.621 min Scan# 3173  
Delta R.T. -0.029 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

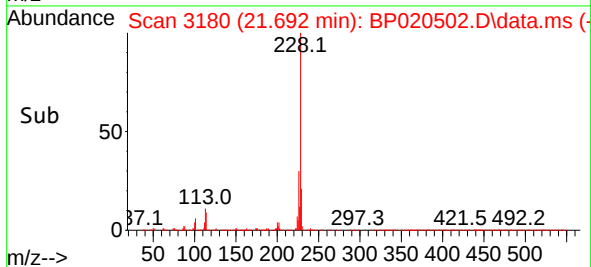
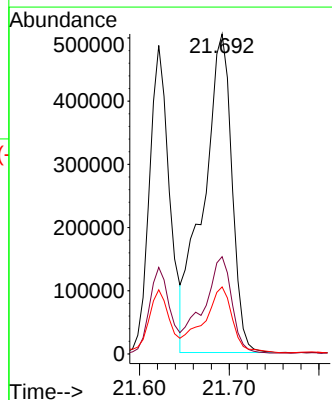
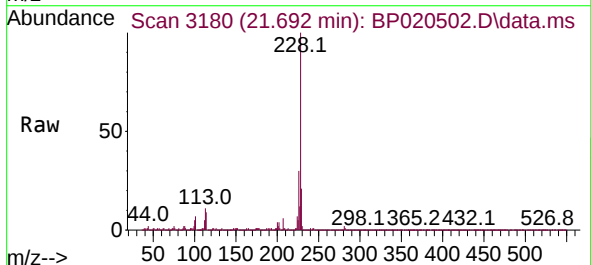
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

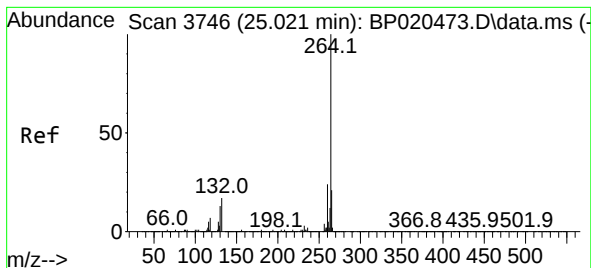
Tgt Ion:228 Resp: 758373  
Ion Ratio Lower Upper  
228 100  
226 28.1 21.7 32.5  
229 20.8 15.8 23.6



#83  
Chrysene  
Concen: 13.389 ng  
RT: 21.692 min Scan# 3180  
Delta R.T. -0.024 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:228 Resp: 1117729  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.0 36.0  
229 21.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA\_P

ClientSampleId :

RBR2520258

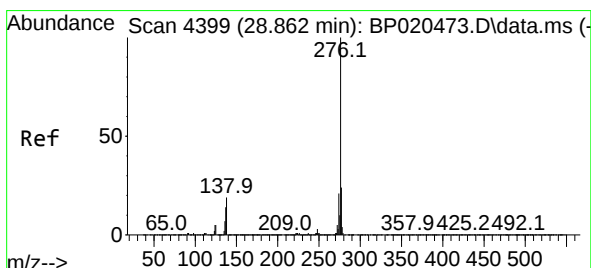
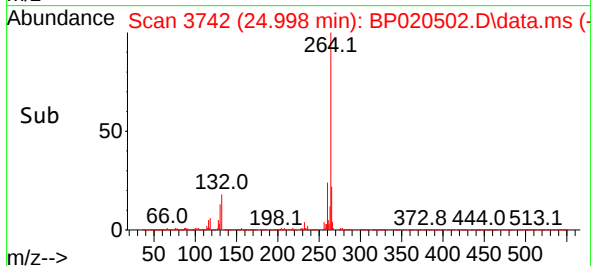
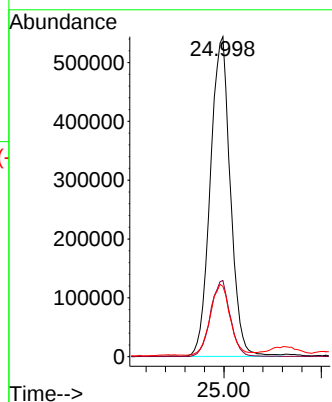
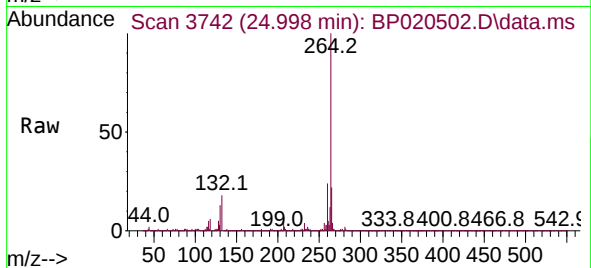
Tgt Ion:264 Resp: 1545322

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.928 ng

RT: 28.798 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

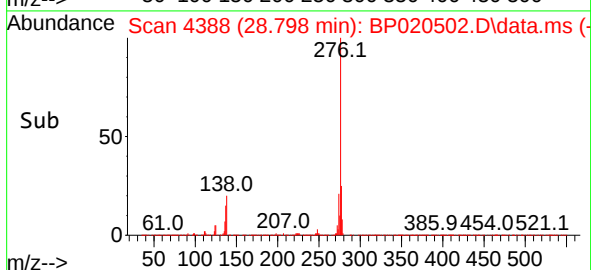
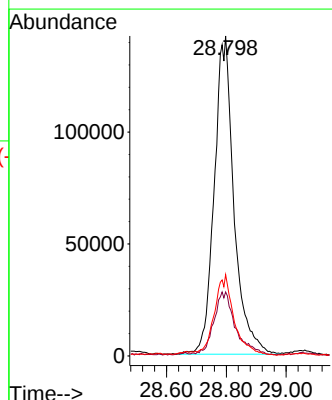
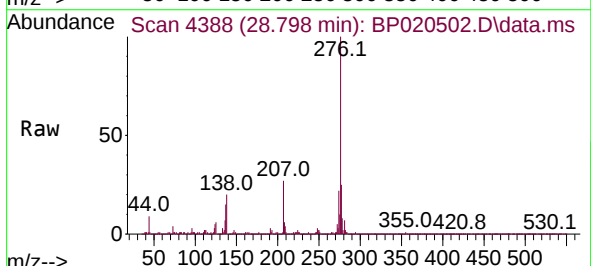
Tgt Ion:276 Resp: 651016

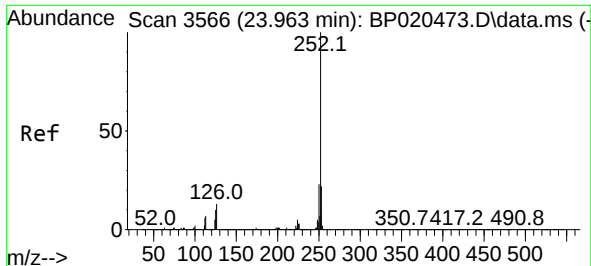
Ion Ratio Lower Upper

276 100

138 21.8 12.8 19.2#

277 11.6 15.6 23.4#

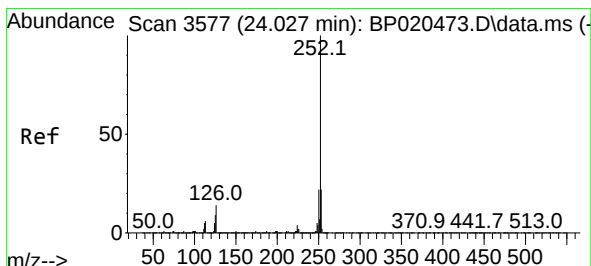
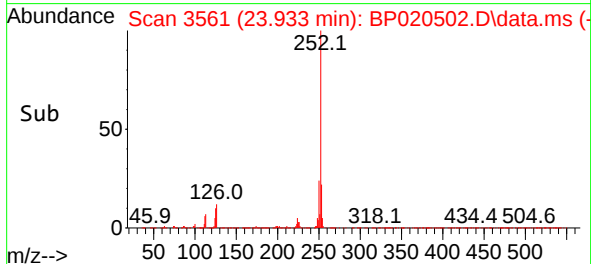
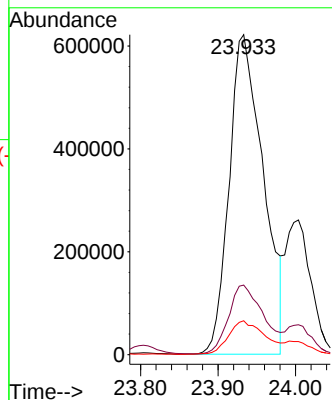
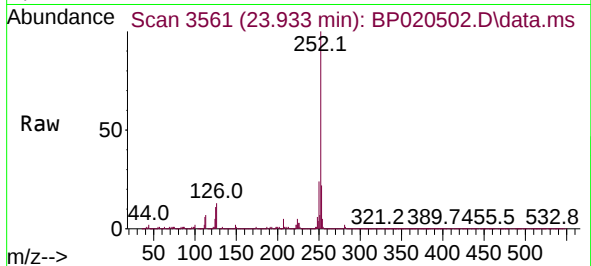




#88  
Benzo(b)fluoranthene  
Concen: 19.792 ng  
RT: 23.933 min Scan# 31  
Delta R.T. -0.029 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

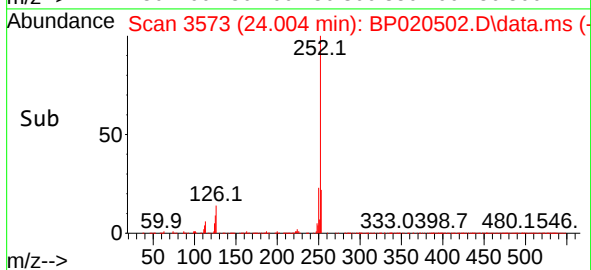
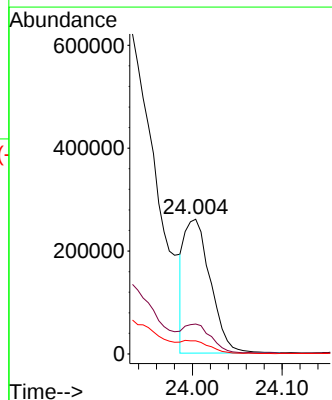
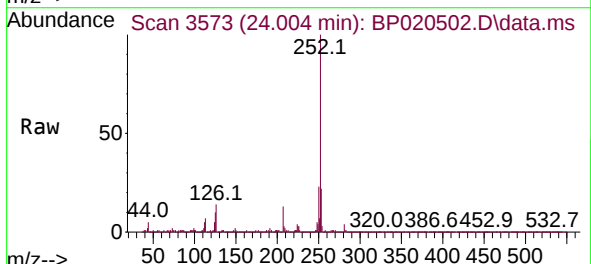
Instrument :  
BNA\_P  
ClientSampleId :  
RBR2520258

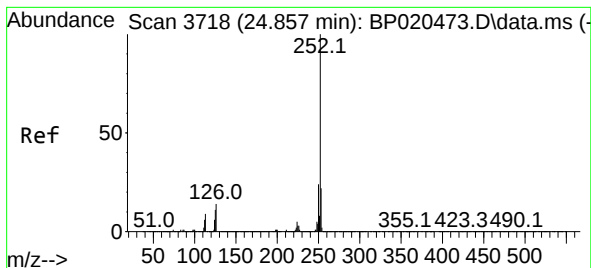
Tgt Ion:252 Resp: 1905412  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.6 26.4  
125 10.6 8.0 12.0



#89  
Benzo(k)fluoranthene  
Concen: 5.585 ng  
RT: 24.004 min Scan# 3573  
Delta R.T. -0.024 min  
Lab File: BP020502.D  
Acq: 04 Jun 2024 18:57

Tgt Ion:252 Resp: 524412  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 9.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 10.860 ng

RT: 24.833 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA\_P

ClientSampleId :

RBR2520258

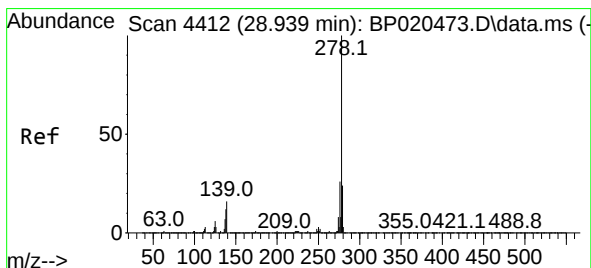
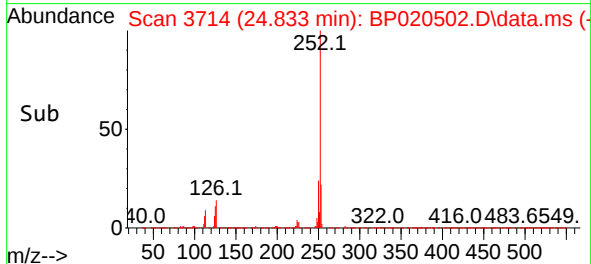
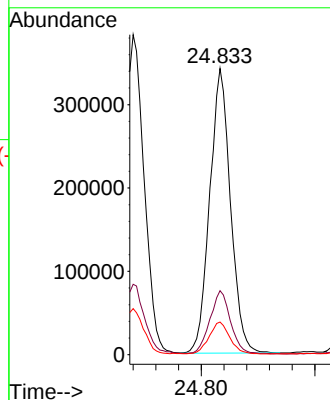
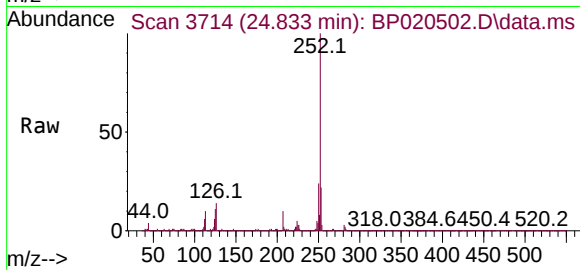
Tgt Ion:252 Resp: 865875

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 11.4 8.9 13.3



#91

Dibenzo(a,h)anthracene

Concen: 2.469 ng

RT: 28.862 min Scan# 4399

Delta R.T. -0.076 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

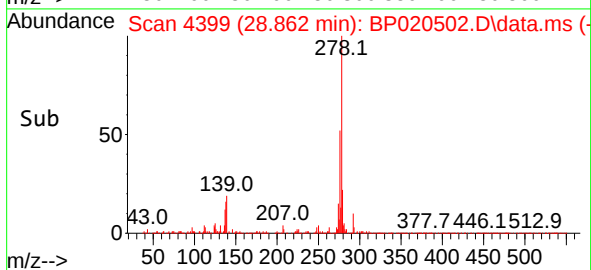
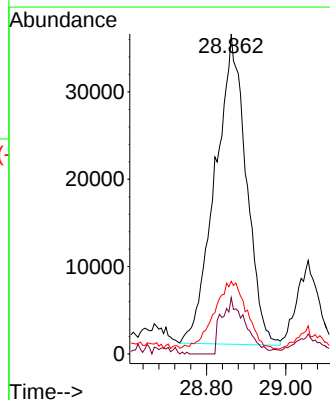
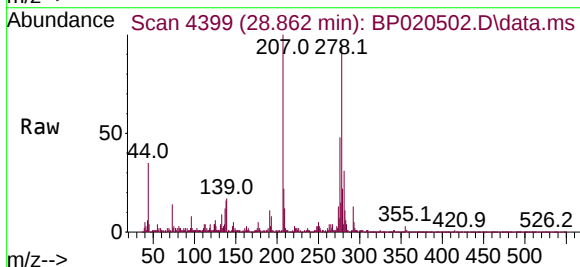
Tgt Ion:278 Resp: 193545

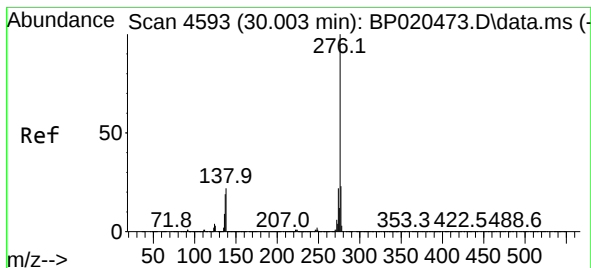
Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

279 22.7 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 7.433 ng

RT: 29.939 min Scan# 4582

Delta R.T. -0.065 min

Lab File: BP020502.D

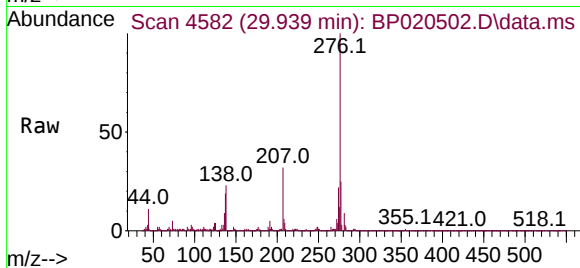
Acq: 04 Jun 2024 18:57

Instrument :

BNA\_P

ClientSampleId :

RBR2520258



Tgt Ion: 276 Resp: 582316

Ion Ratio Lower Upper

276 100

277 24.6 18.7 28.1

138 23.1 17.7 26.5

