

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080822\  
 Data File : BM036160.D  
 Acq On : 09 Aug 2022 00:55  
 Operator : CG/JU  
 Sample : N3962-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-188

Quant Time: Aug 09 01:35:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 08 23:36:56 2022  
 Response via : Initial Calibration

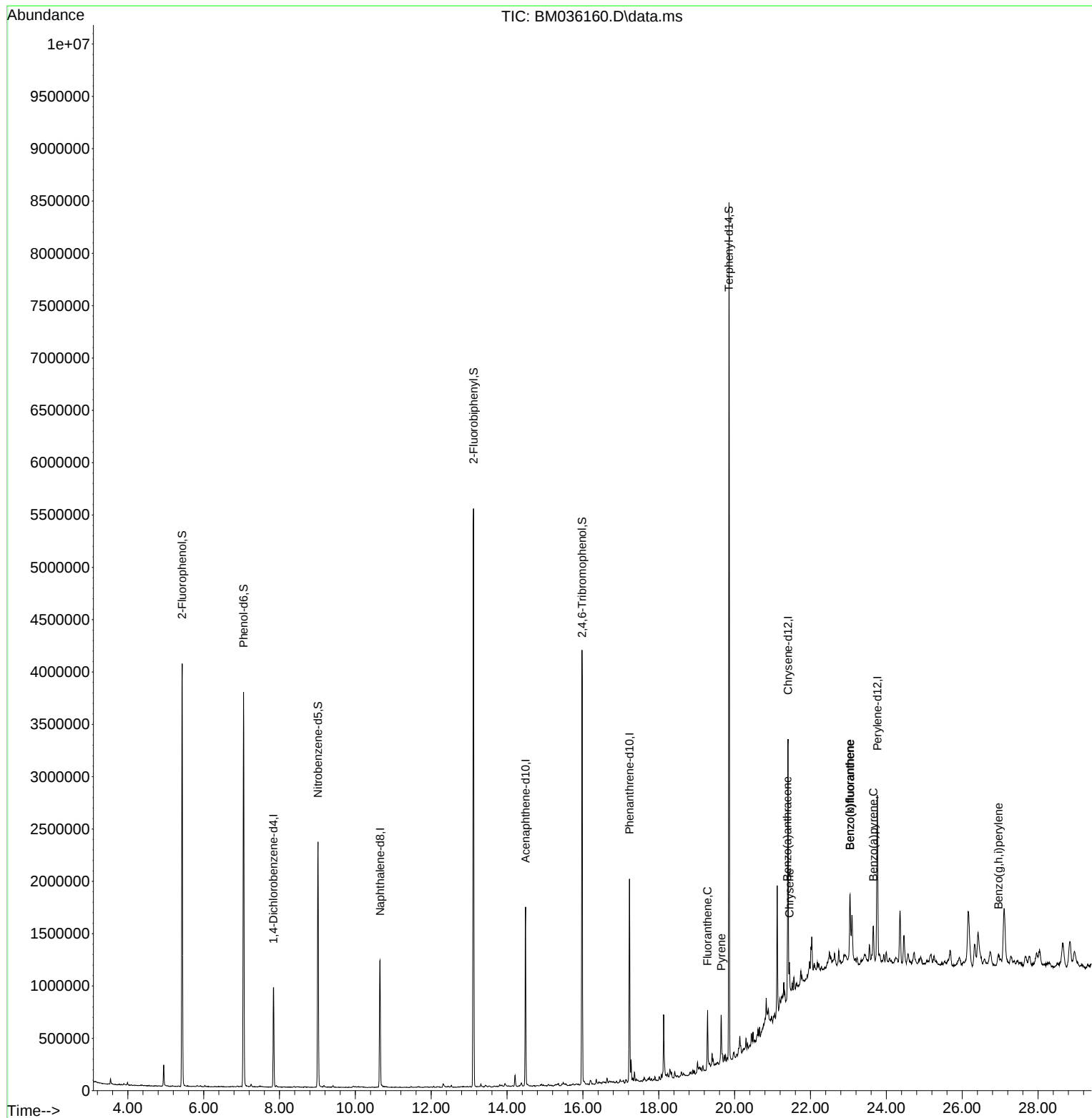
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.839  | 152  | 265789   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.651 | 136  | 1038063  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.486 | 164  | 569605   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.227 | 188  | 1103141  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.409 | 240  | 1048142  | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 23.762 | 264  | 1135992  | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.434  | 112  | 1770553  | 108.000 | ng    | 0.00     |
| 7) Phenol-d6                | 7.051  | 99   | 2148257  | 102.984 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.016  | 82   | 1316968  | 71.017  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.980 | 330  | 736990   | 110.291 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.116 | 172  | 2800215  | 72.584  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.850 | 244  | 3846281  | 72.381  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 19.286 | 202  | 203704   | 3.238   | ng    | 98       |
| 78) Pyrene                  | 19.645 | 202  | 278412   | 4.284   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.391 | 228  | 135526   | 2.099   | ng    | 93       |
| 83) Chrysene                | 21.444 | 228  | 161096   | 2.625   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.044 | 252  | 280801   | 4.219   | ng    | # 90     |
| 89) Benzo(k)fluoranthene    | 23.044 | 252  | 280801   | 4.177   | ng    | # 90     |
| 90) Benzo(a)pyrene          | 23.656 | 252  | 163274   | 2.924   | ng    | # 92     |
| 92) Benzo(g,h,i)perylene    | 26.956 | 276  | 146918   | 2.271   | ng    | 96       |
| -----                       |        |      |          |         |       |          |

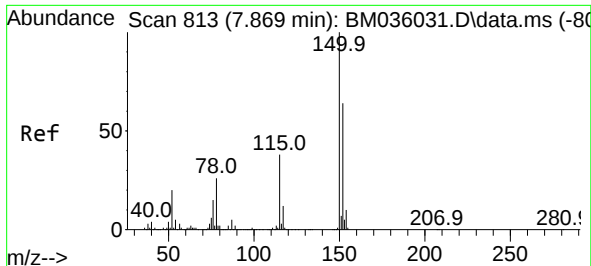
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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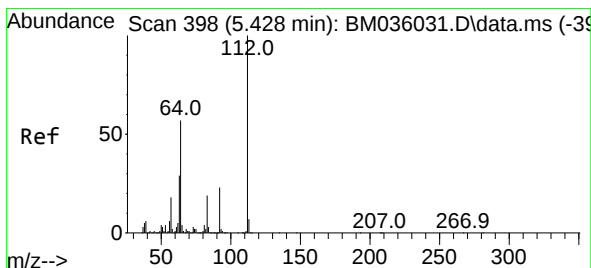
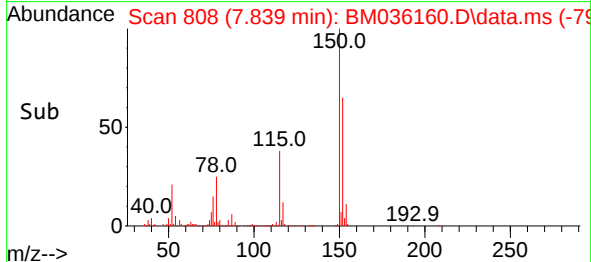
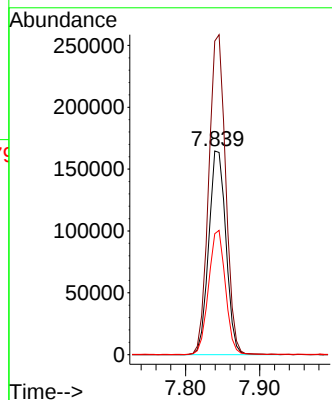
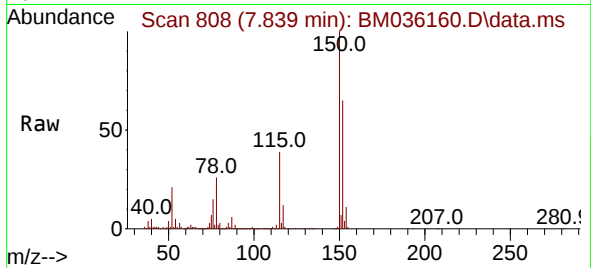




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.839 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

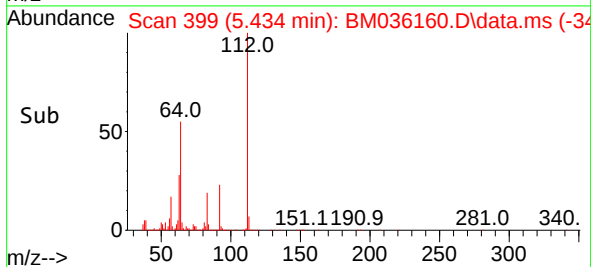
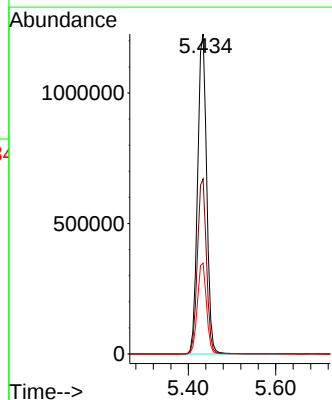
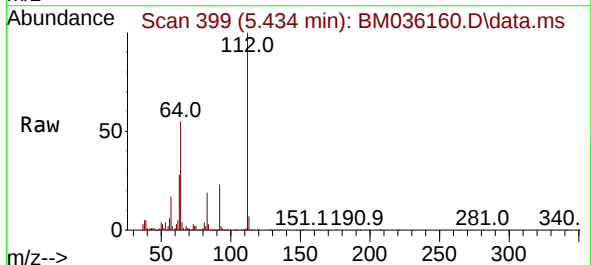
Instrument :  
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ClientSampleId :  
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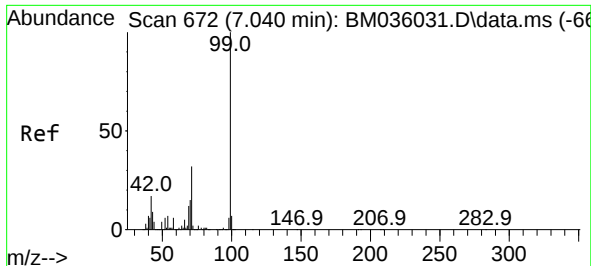
Tgt Ion:152 Resp: 265789  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.9 187.3  
115 59.4 47.9 71.9



#5  
2-Fluorophenol  
Concen: 108.000 ng  
RT: 5.434 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:112 Resp: 1770553  
Ion Ratio Lower Upper  
112 100  
64 54.7 47.8 71.6  
63 28.4 26.6 40.0

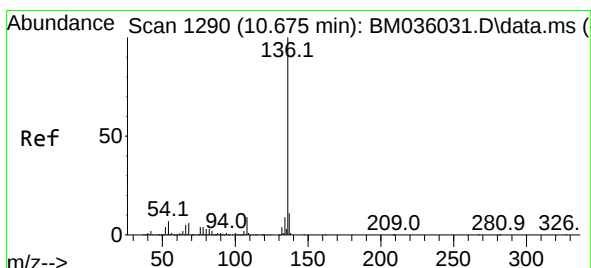
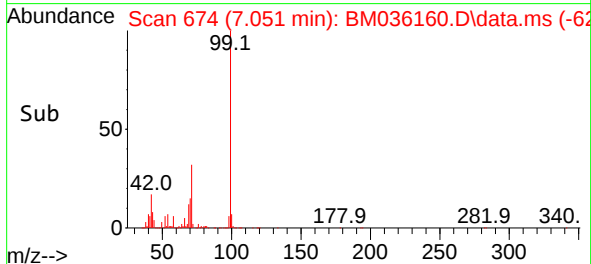
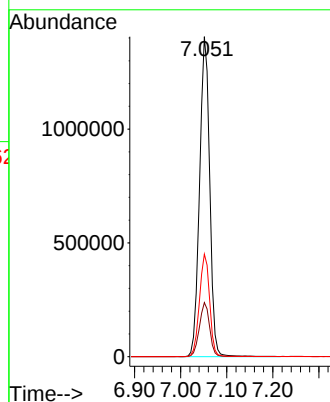
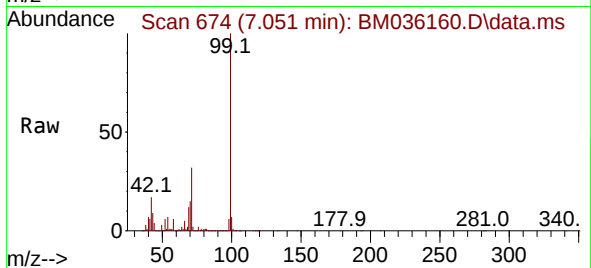




#7  
Phenol-d6  
Concen: 102.984 ng  
RT: 7.051 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

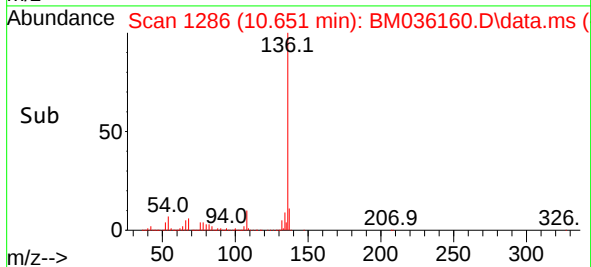
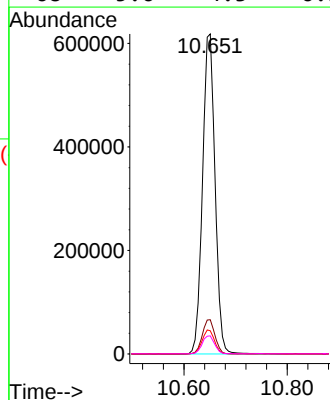
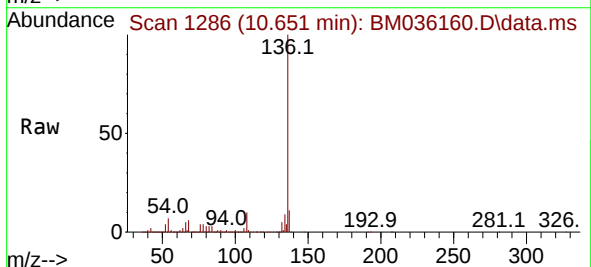
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-188

Tgt Ion: 99 Resp: 2148257  
Ion Ratio Lower Upper  
99 100  
42 16.9 18.8 28.2#  
71 32.1 30.2 45.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.651 min Scan# 1286  
Delta R.T. 0.000 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion: 136 Resp: 1038063  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 7.3 7.0 10.4  
68 5.6 4.3 6.5

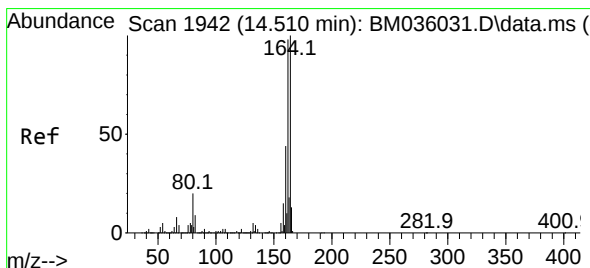
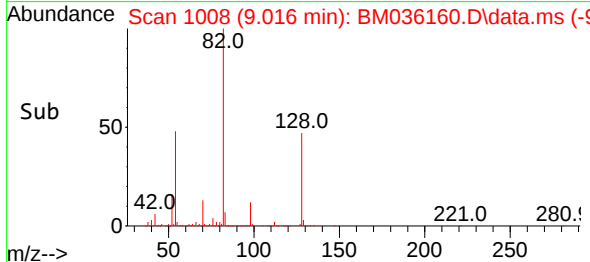
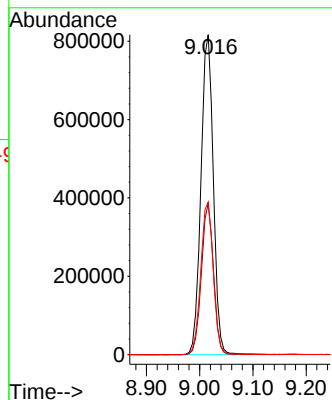
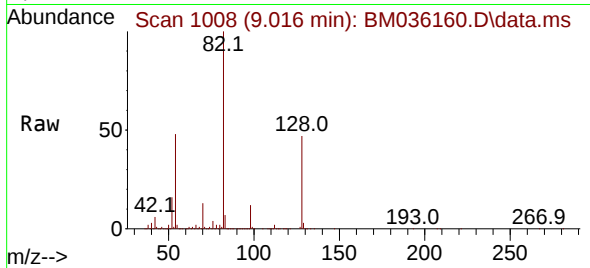




#23  
Nitrobenzene-d5  
Concen: 71.017 ng  
RT: 9.016 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

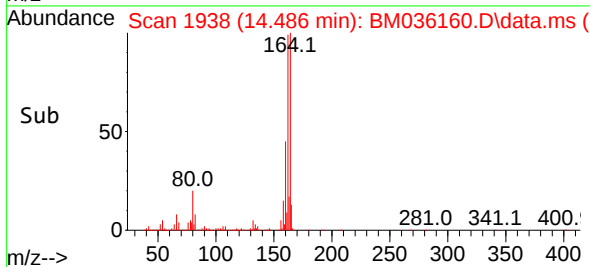
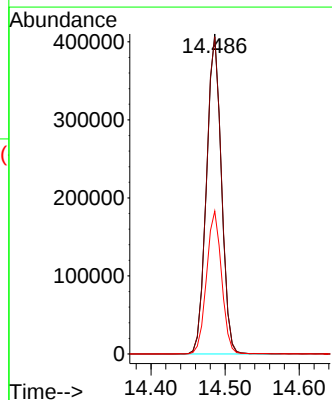
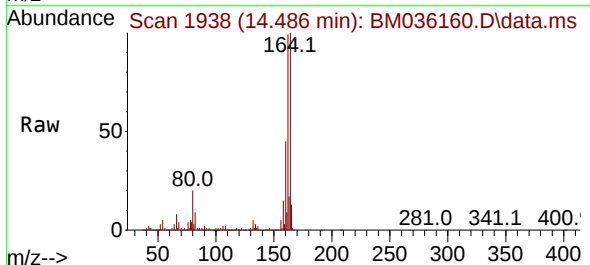
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-188

Tgt Ion: 82 Resp: 1316968  
Ion Ratio Lower Upper  
82 100  
128 47.1 33.7 50.5  
54 47.7 43.2 64.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.486 min Scan# 1938  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:164 Resp: 569605  
Ion Ratio Lower Upper  
164 100  
162 99.2 83.0 124.6  
160 44.6 37.0 55.4

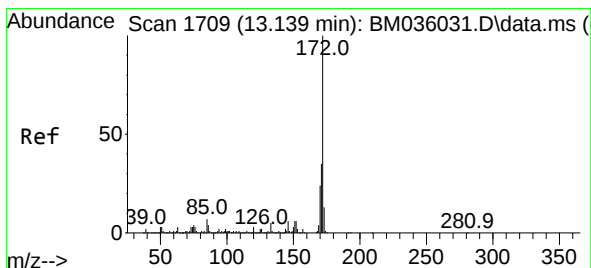
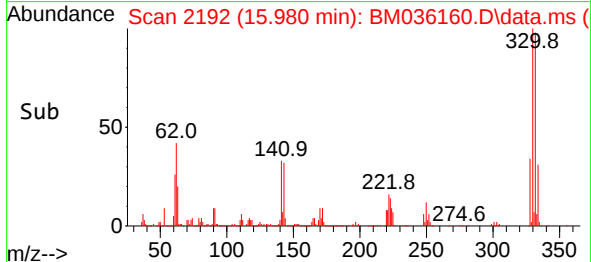
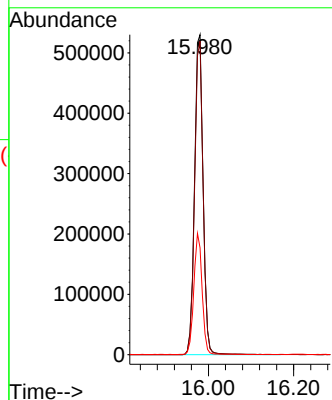
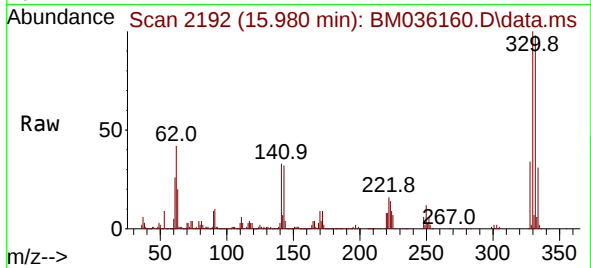




#42  
2,4,6-Tribromophenol  
Concen: 110.291 ng  
RT: 15.980 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

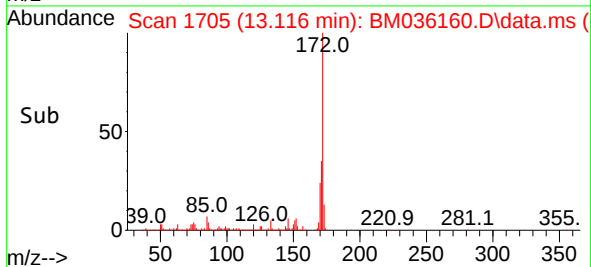
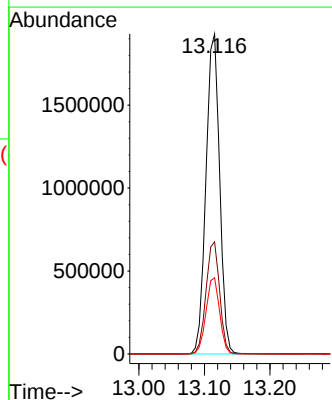
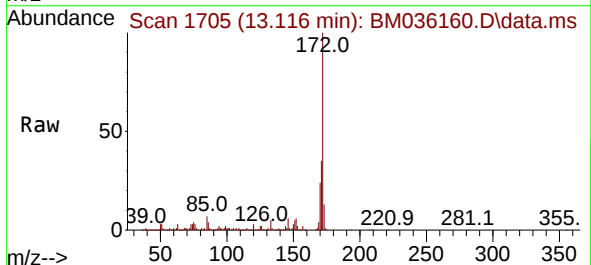
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-188

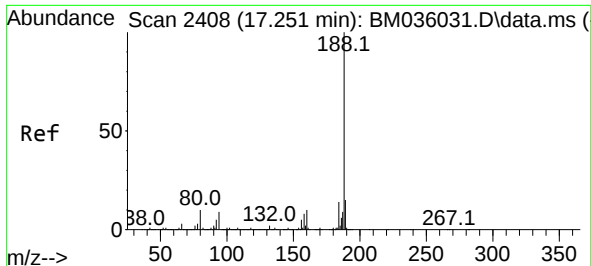
Tgt Ion:330 Resp: 736990  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.0 115.4  
141 36.7 35.3 52.9



#45  
2-Fluorobiphenyl  
Concen: 72.584 ng  
RT: 13.116 min Scan# 1705  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:172 Resp: 2800215  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.5 42.7  
170 23.8 18.7 28.1

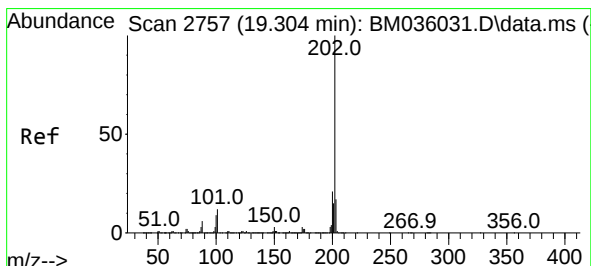
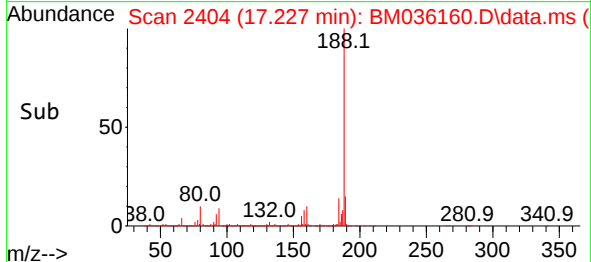
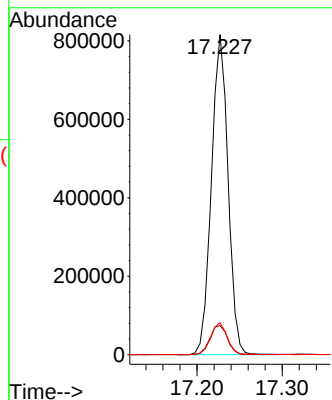
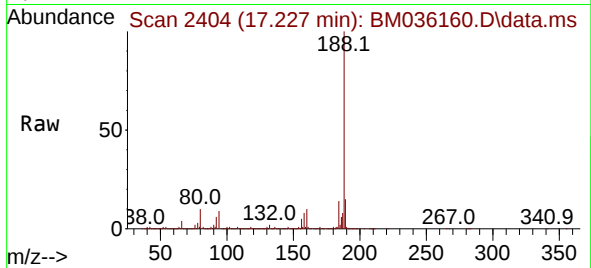




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.227 min Scan# 2404  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

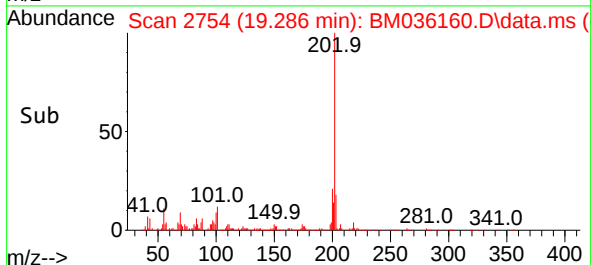
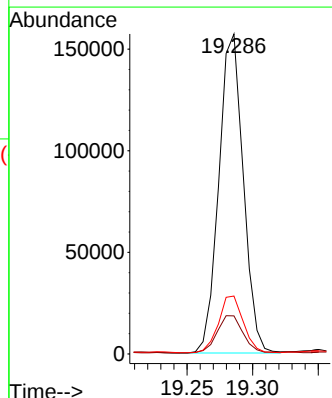
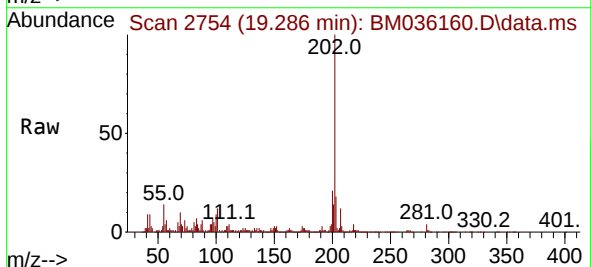
Instrument :  
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ClientSampleId :  
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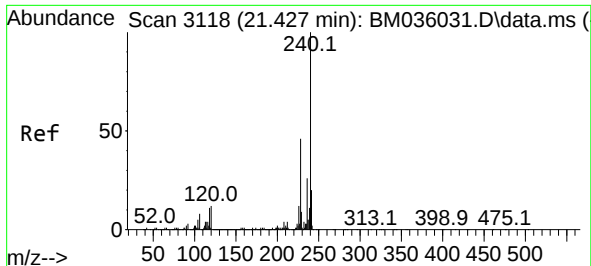
Tgt Ion:188 Resp: 1103141  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.0 10.4  
80 10.0 7.6 11.4



#75  
Fluoranthene  
Concen: 3.238 ng  
RT: 19.286 min Scan# 2754  
Delta R.T. -0.006 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:202 Resp: 203704  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 30.6  
203 18.1 0.0 37.4

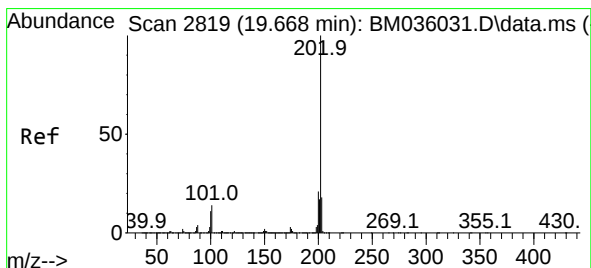
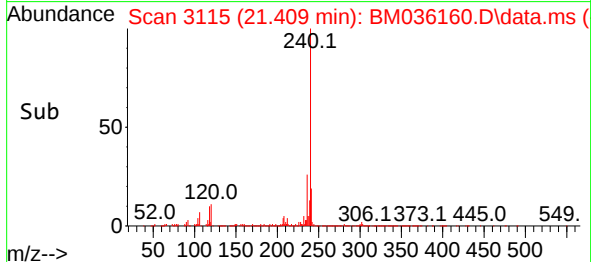
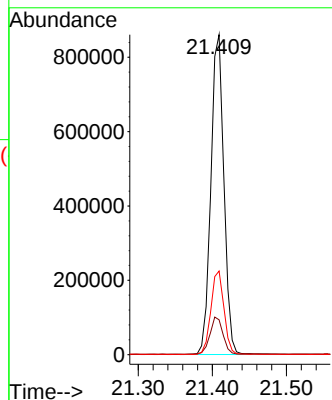
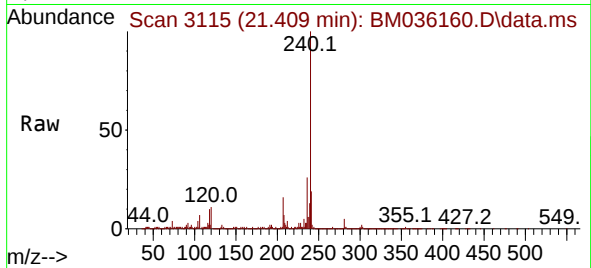




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.409 min Scan# 3115  
Delta R.T. -0.012 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

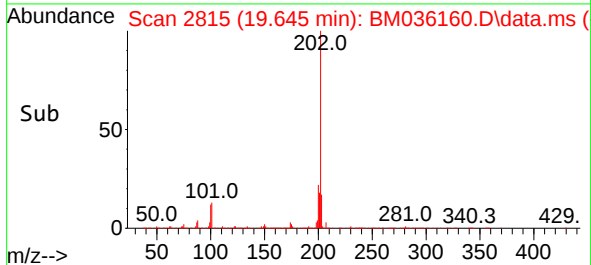
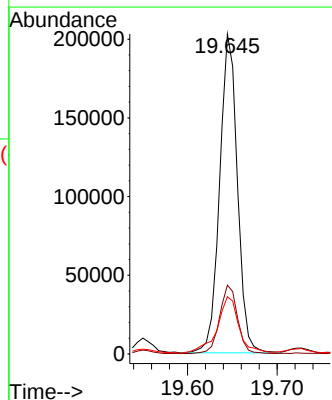
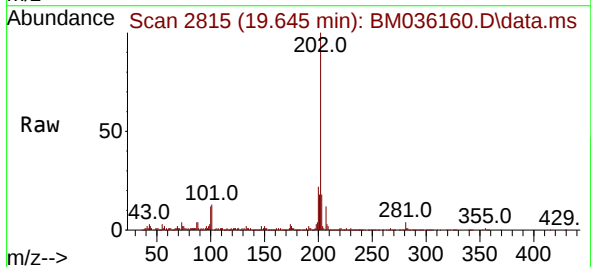
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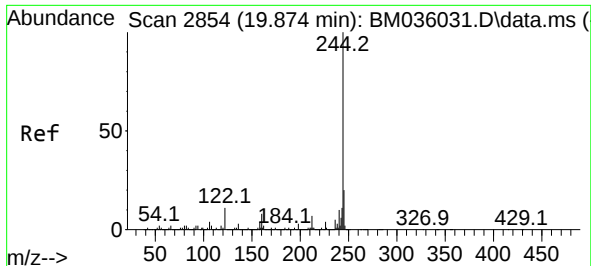
Tgt Ion:240 Resp: 1048142  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.4 14.0  
236 26.2 20.6 30.8



#78  
Pyrene  
Concen: 4.284 ng  
RT: 19.645 min Scan# 2815  
Delta R.T. -0.012 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:202 Resp: 278412  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.7 25.1  
203 17.9 13.9 20.9

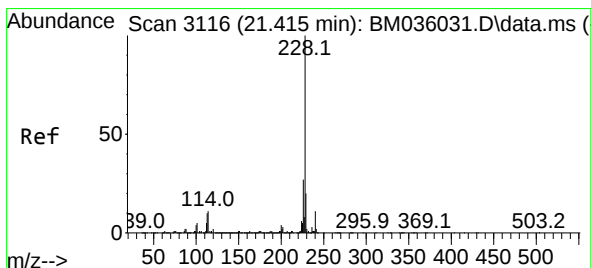
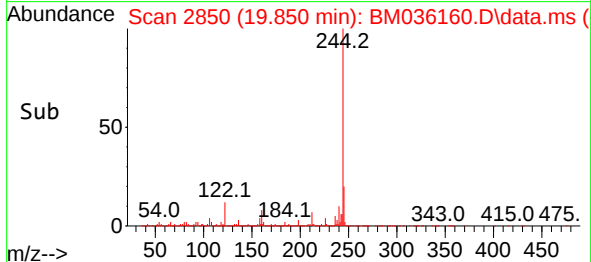
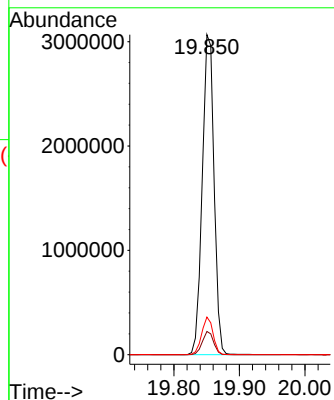
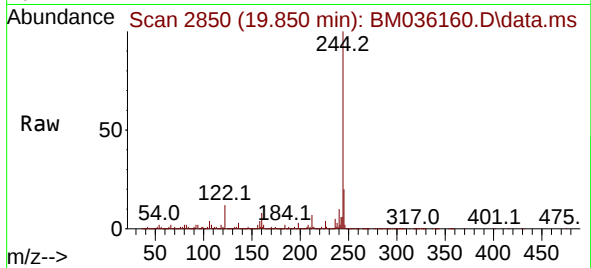




#79  
 Terphenyl-d14  
 Concen: 72.381 ng  
 RT: 19.850 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM036160.D  
 Acq: 09 Aug 2022 00:55

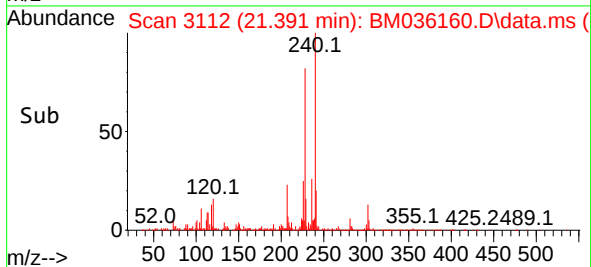
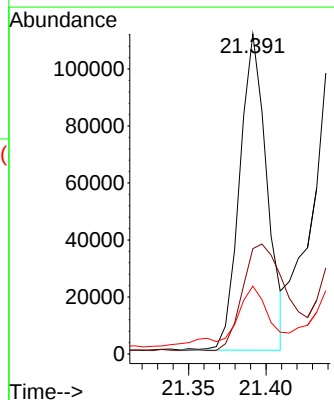
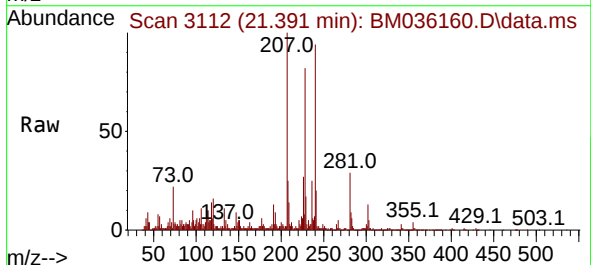
Instrument :  
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 RVE-188

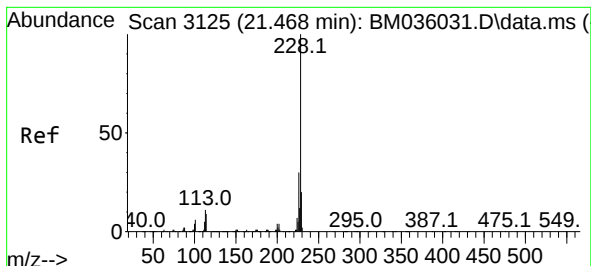
Tgt Ion:244 Resp: 3846281  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.4  
 122 11.8 8.3 12.5



#81  
 Benzo(a)anthracene  
 Concen: 2.099 ng  
 RT: 21.391 min Scan# 3112  
 Delta R.T. -0.012 min  
 Lab File: BM036160.D  
 Acq: 09 Aug 2022 00:55

Tgt Ion:228 Resp: 135526  
 Ion Ratio Lower Upper  
 228 100  
 226 32.9 22.3 33.5  
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 2.625 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM036160.D

Acq: 09 Aug 2022 00:55

Instrument :

BNA\_M

ClientSampleId :

RVE-188

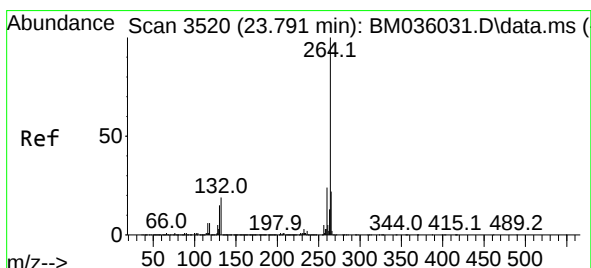
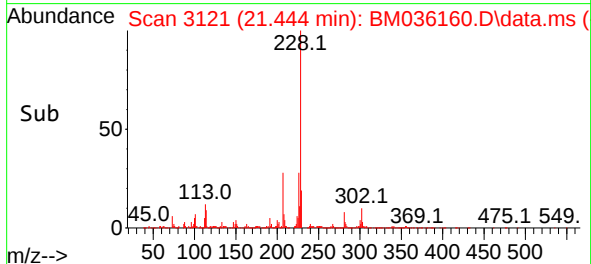
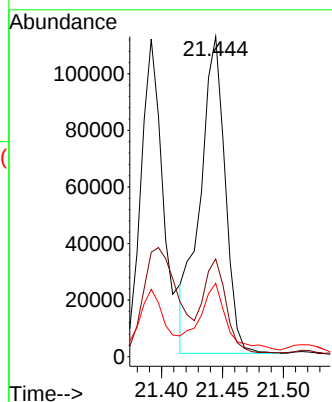
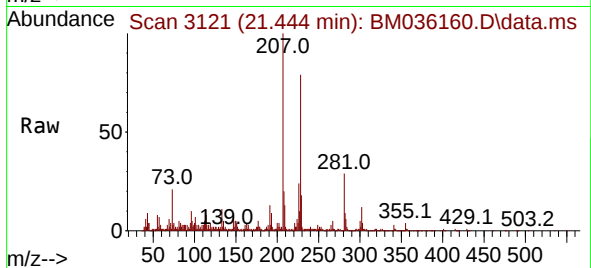
Tgt Ion:228 Resp: 161096

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 23.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.762 min Scan# 3515

Delta R.T. -0.012 min

Lab File: BM036160.D

Acq: 09 Aug 2022 00:55

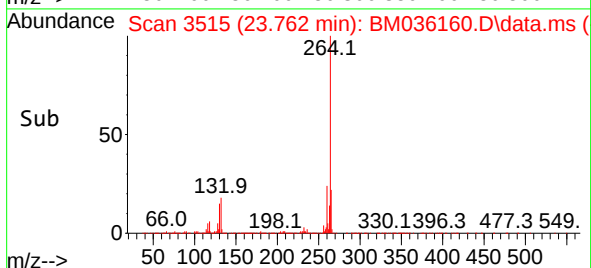
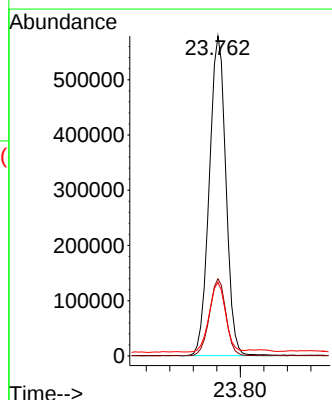
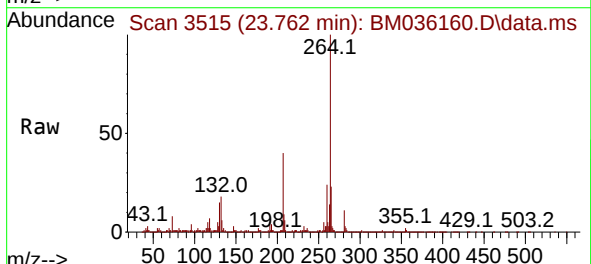
Tgt Ion:264 Resp: 1135992

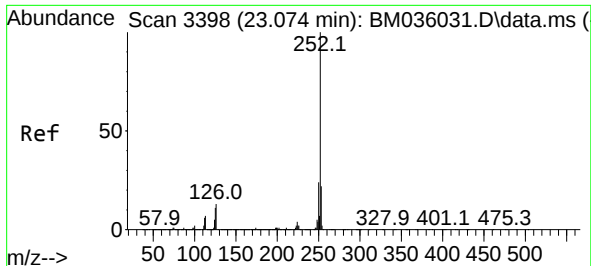
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 23.0 17.5 26.3

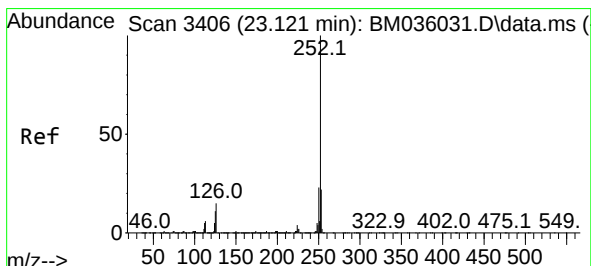
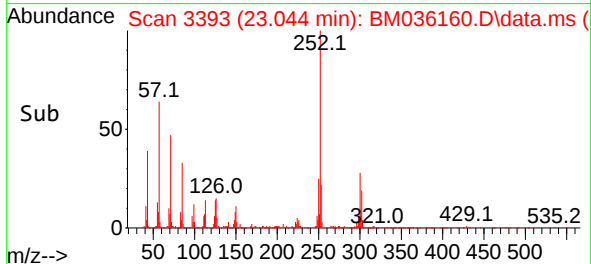
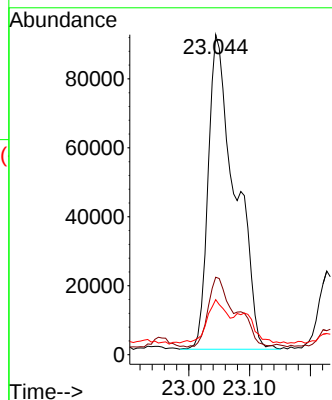
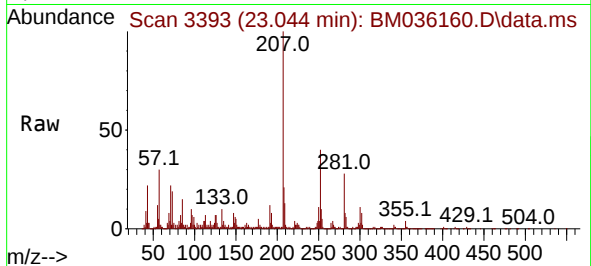




#88  
Benzo(b)fluoranthene  
Concen: 4.219 ng  
RT: 23.044 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

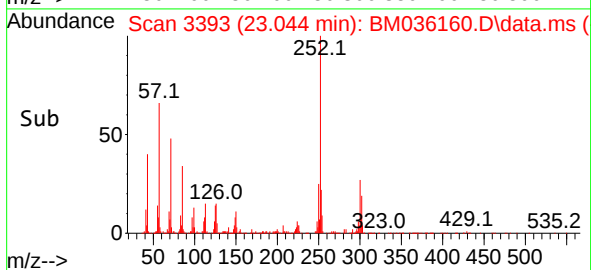
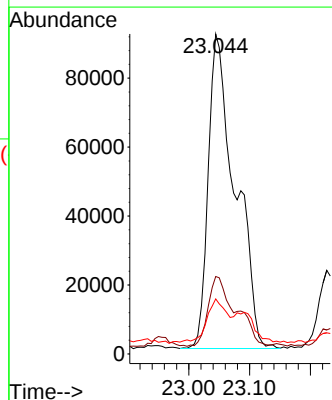
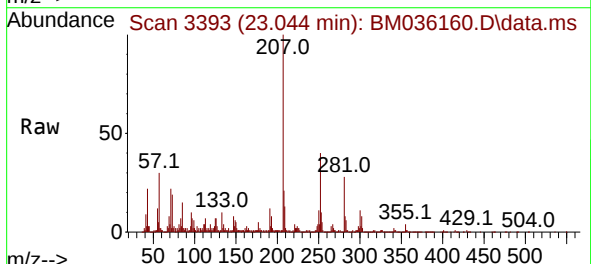
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-188

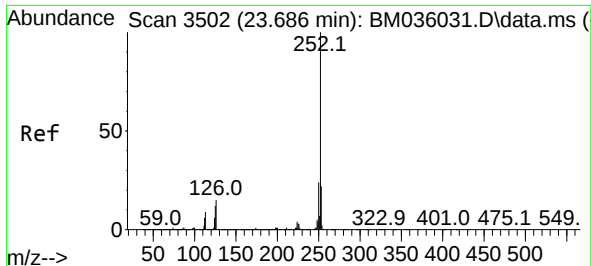
Tgt Ion:252 Resp: 280801  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.6 26.4  
125 17.2 7.6 11.4#



#89  
Benzo(k)fluoranthene  
Concen: 4.177 ng  
RT: 23.044 min Scan# 3393  
Delta R.T. -0.065 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:252 Resp: 280801  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.5 26.3  
125 17.2 7.6 11.4#

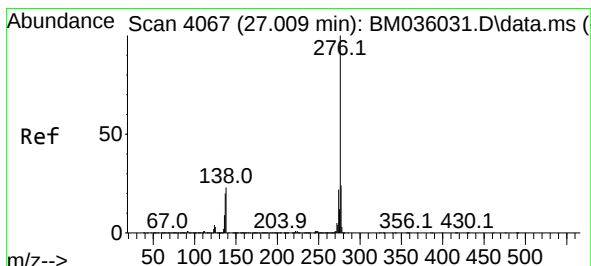
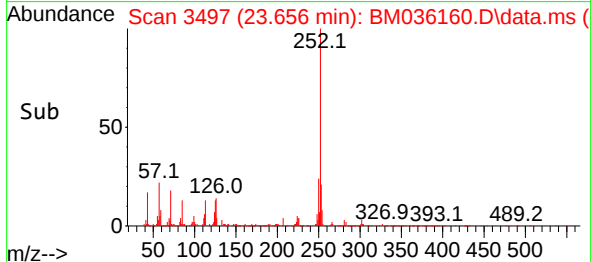
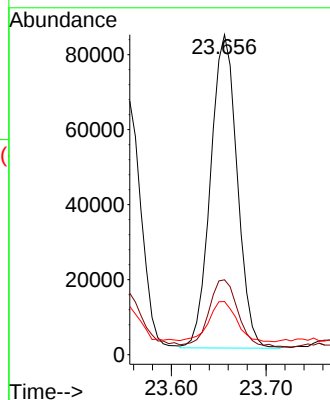
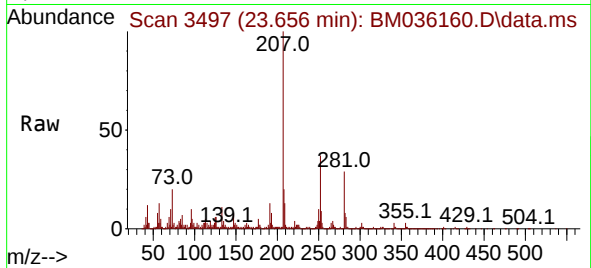




#90  
Benzo(a)pyrene  
Concen: 2.924 ng  
RT: 23.656 min Scan# 34  
Delta R.T. -0.018 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Instrument :  
BNA\_M  
ClientSampleId :  
RVE-188

Tgt Ion:252 Resp: 163274  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.2 25.8  
125 16.6 8.7 13.1#



#92  
Benzo(g,h,i)perylene  
Concen: 2.271 ng  
RT: 26.956 min Scan# 4058  
Delta R.T. -0.035 min  
Lab File: BM036160.D  
Acq: 09 Aug 2022 00:55

Tgt Ion:276 Resp: 146918  
Ion Ratio Lower Upper  
276 100  
277 25.3 18.7 28.1  
138 24.0 17.6 26.4

