

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080922\  
 Data File : BM036175.D  
 Acq On : 09 Aug 2022 15:00  
 Operator : CG/JU  
 Sample : N3963-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-209

Quant Time: Aug 10 03:33:42 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

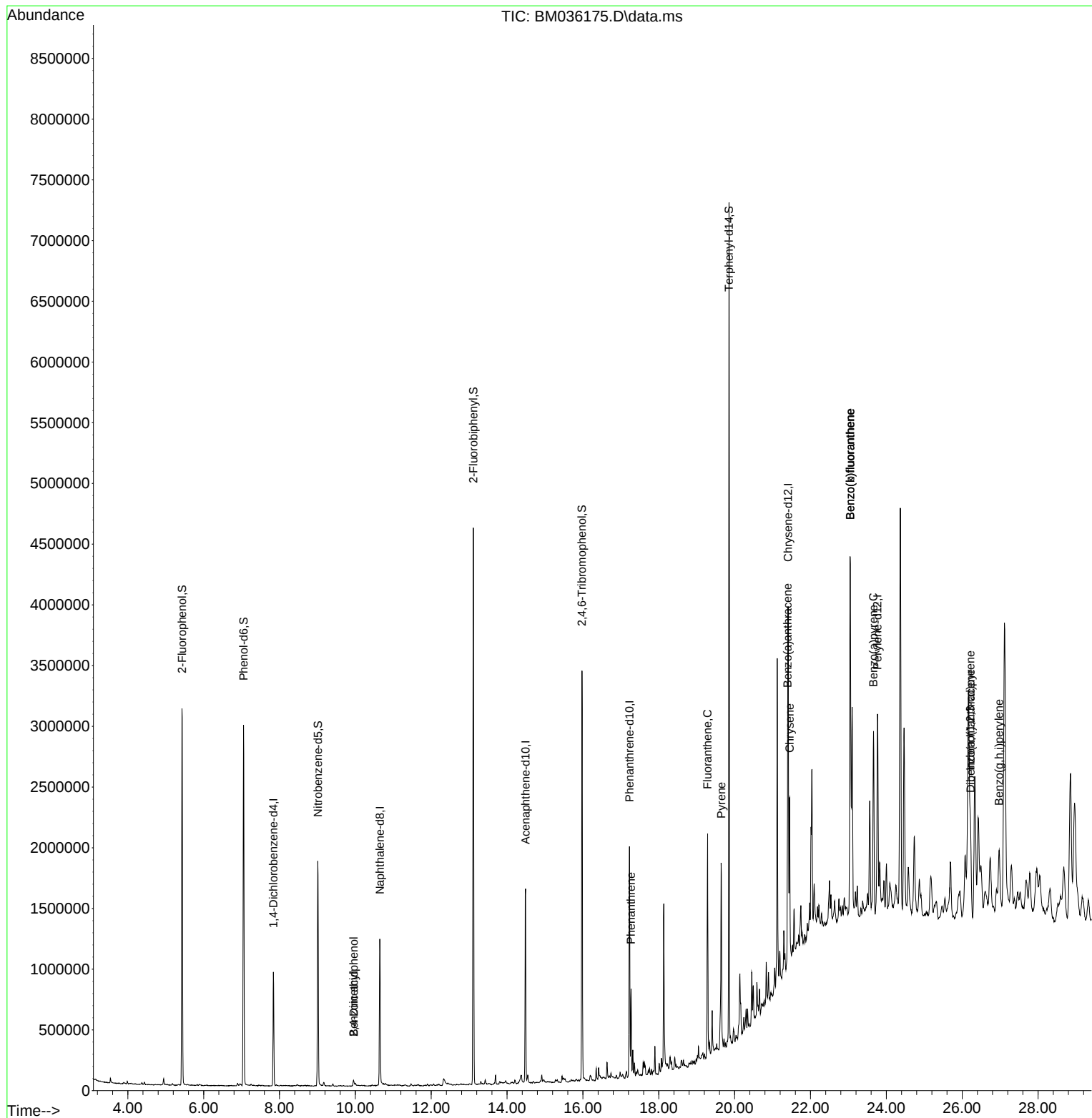
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.839  | 152  | 252506   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.645 | 136  | 1013357  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.486 | 164  | 558724   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.227 | 188  | 1089791  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.409 | 240  | 1078063  | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 23.768 | 264  | 1185527  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.434  | 112  | 1374637  | 88.261 | ng    | 0.00     |
| 7) Phenol-d6                | 7.051  | 99   | 1701738  | 85.870 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.010  | 82   | 1052964  | 58.165 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.974 | 330  | 602777   | 91.963 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.110 | 172  | 2262742  | 59.795 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.850 | 244  | 3226097  | 59.025 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 27) 2,4-Dimethylphenol      | 9.957  | 122  | 26677    | 2.145  | ng    | # 5      |
| 32) Benzoic acid            | 9.957  | 122  | 26677    | 2.706  | ng    | # 84     |
| 71) Phenanthrene            | 17.268 | 178  | 258517   | 4.656  | ng    | 99       |
| 75) Fluoranthene            | 19.286 | 202  | 915626   | 14.733 | ng    | 98       |
| 78) Pyrene                  | 19.645 | 202  | 931946   | 13.941 | ng    | 100      |
| 81) Benzo(a)anthracene      | 21.397 | 228  | 638237   | 9.612  | ng    | 99       |
| 83) Chrysene                | 21.450 | 228  | 769101   | 12.185 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.215 | 276  | 721922   | 8.665  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.050 | 252  | 1267007  | 18.241 | ng    | # 95     |
| 89) Benzo(k)fluoranthene    | 23.050 | 252  | 1267007  | 18.060 | ng    | # 95     |
| 90) Benzo(a)pyrene          | 23.662 | 252  | 907322   | 15.569 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene  | 26.226 | 278  | 189161   | 2.712  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene    | 26.973 | 276  | 758838   | 11.240 | ng    | 99       |
| -----                       |        |      |          |        |       |          |

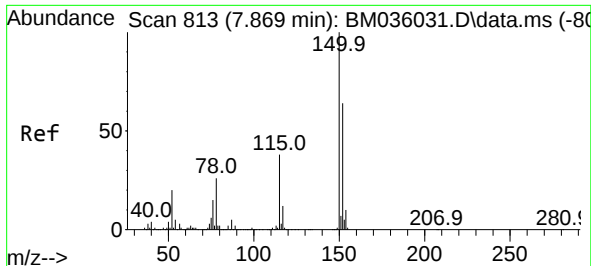
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080922\  
Data File : BM036175.D  
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Sample : N3963-04  
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Instrument :  
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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  
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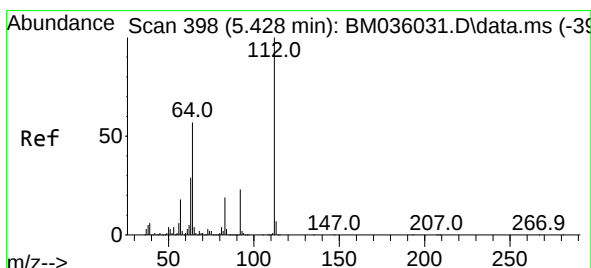
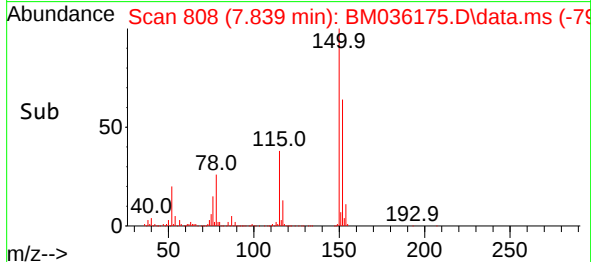
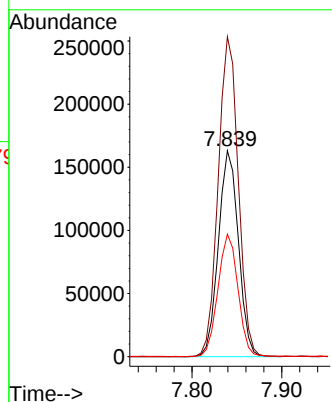
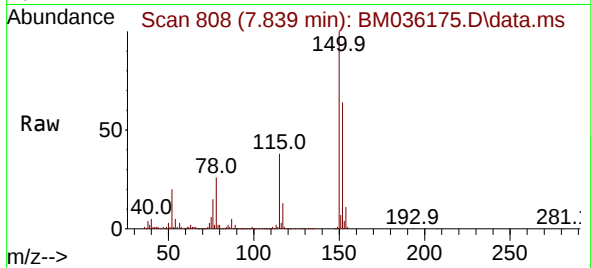




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.839 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

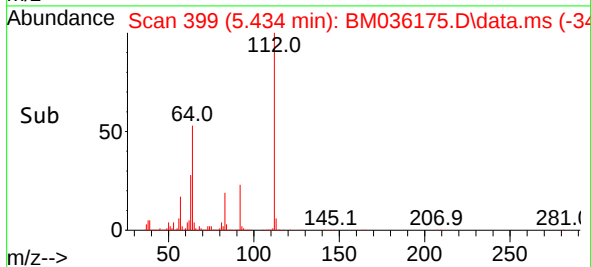
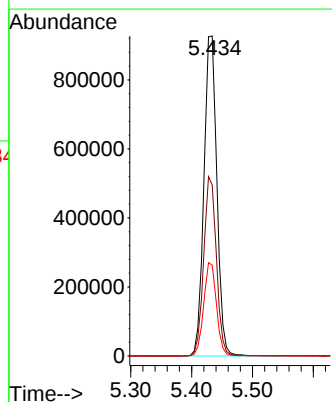
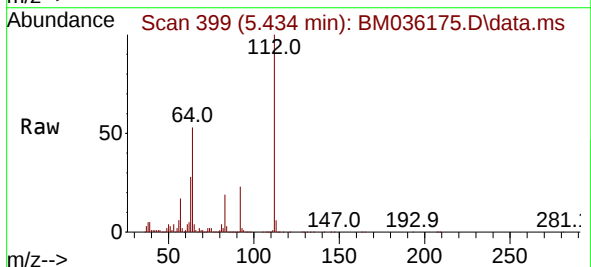
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

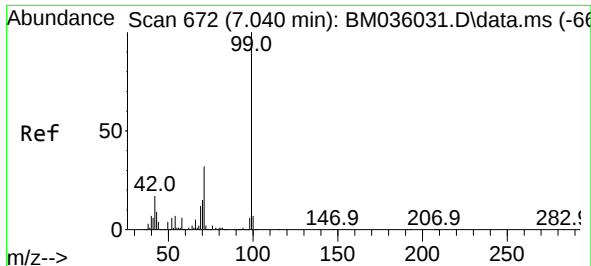
Tgt Ion:152 Resp: 252506  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.9 187.3  
115 59.5 47.9 71.9



#5  
2-Fluorophenol  
Concen: 88.261 ng  
RT: 5.434 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:112 Resp: 1374637  
Ion Ratio Lower Upper  
112 100  
64 53.4 47.8 71.6  
63 28.4 26.6 40.0

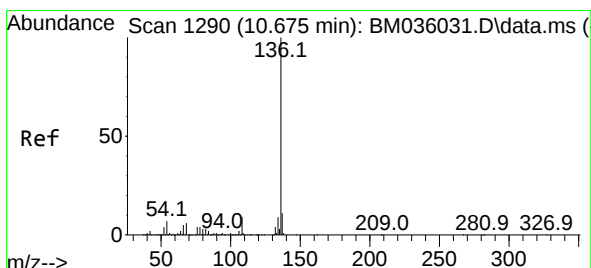
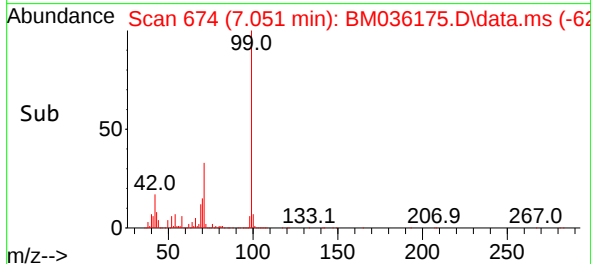
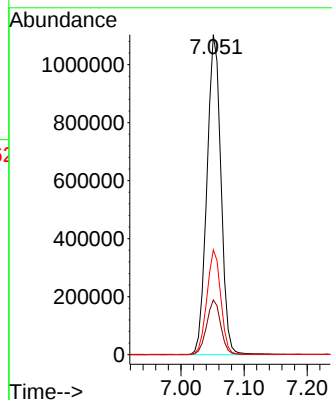
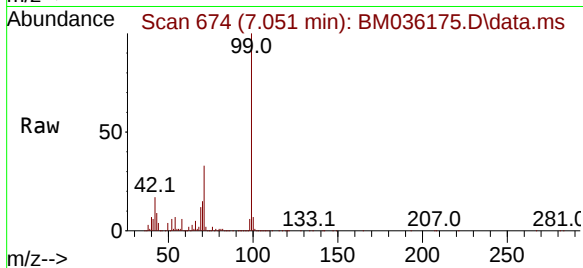




#7  
Phenol-d6  
Concen: 85.870 ng  
RT: 7.051 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

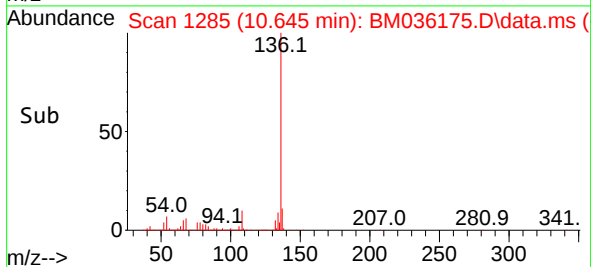
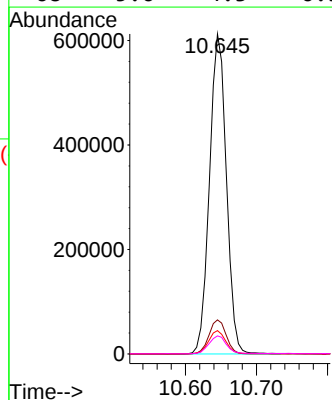
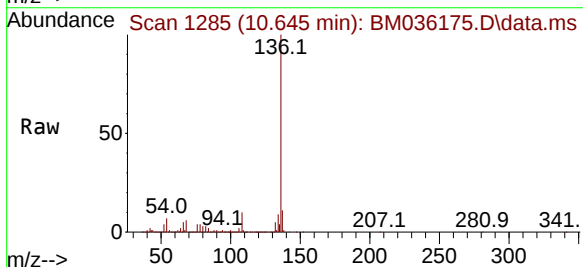
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

Tgt Ion: 99 Resp: 1701738  
Ion Ratio Lower Upper  
99 100  
42 17.1 18.8 28.2#  
71 32.8 30.2 45.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.645 min Scan# 1285  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion: 136 Resp: 1013357  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.3 7.0 10.4  
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 58.165 ng

RT: 9.010 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

Instrument :

BNA\_M

ClientSampleId :

RVE-209

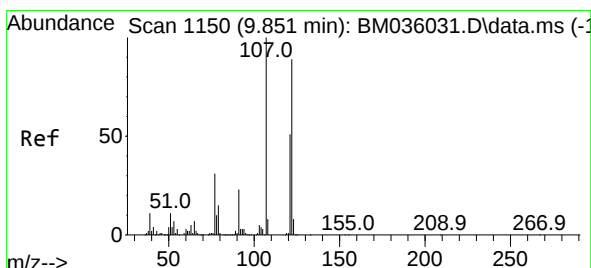
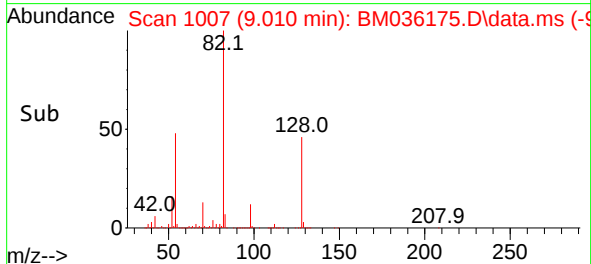
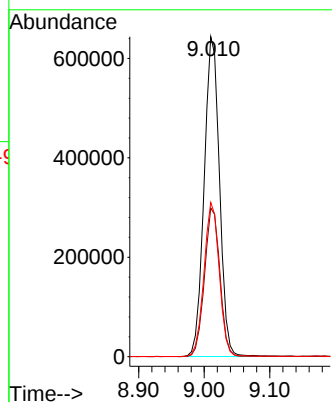
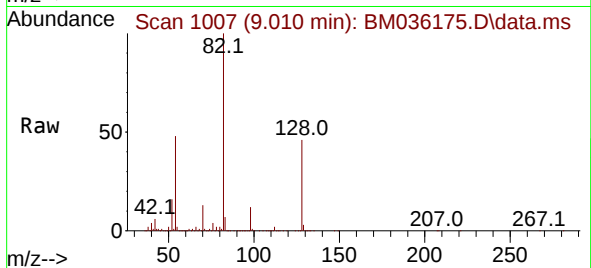
Tgt Ion: 82 Resp: 1052964

Ion Ratio Lower Upper

82 100

128 46.5 33.7 50.5

54 48.2 43.2 64.8



#27

2,4-Dimethylphenol

Concen: 2.145 ng

RT: 9.957 min Scan# 1168

Delta R.T. 0.100 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

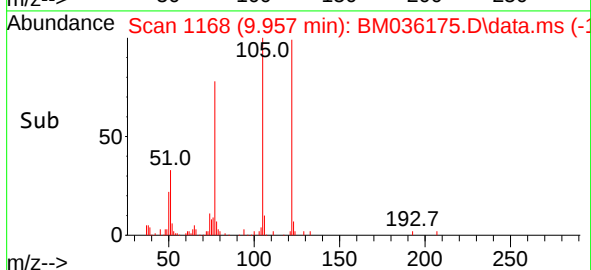
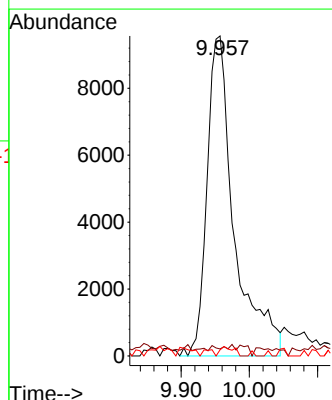
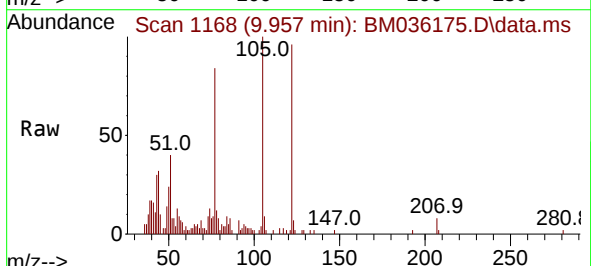
Tgt Ion:122 Resp: 26677

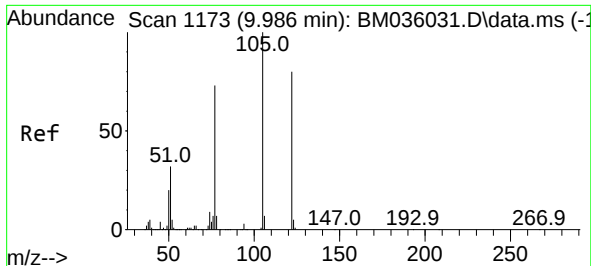
Ion Ratio Lower Upper

122 100

107 2.2 92.4 138.6#

121 1.9 47.4 71.0#

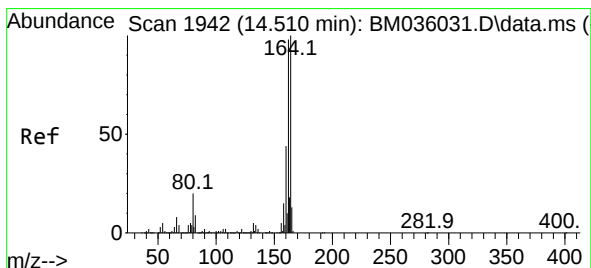
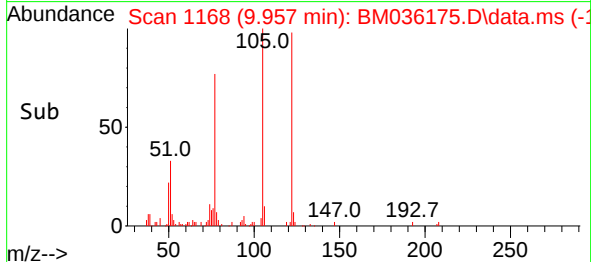
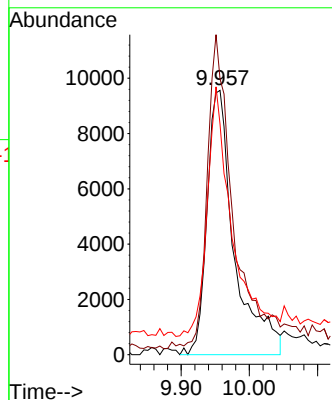
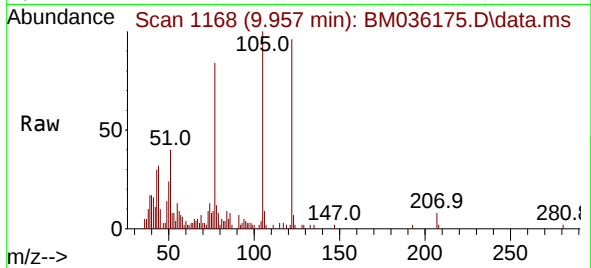




#32  
Benzoic acid  
Concen: 2.706 ng  
RT: 9.957 min Scan# 1173  
Delta R.T. -0.088 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

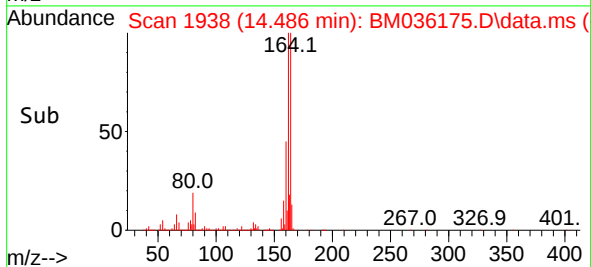
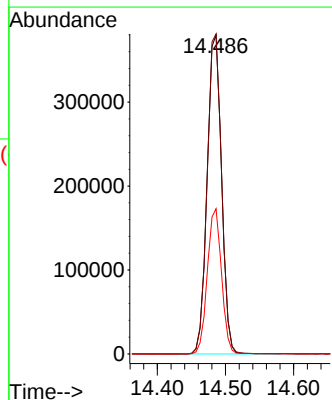
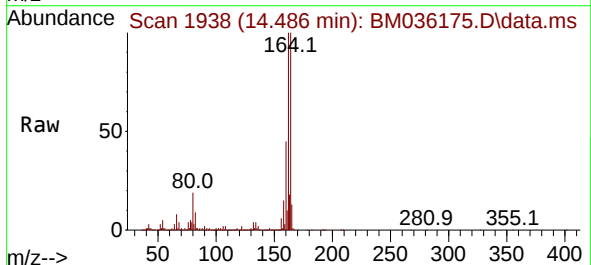
Instrument :  
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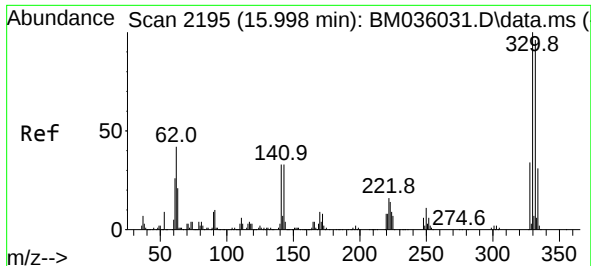
Tgt Ion:122 Resp: 26677  
Ion Ratio Lower Upper  
122 100  
105 104.3 105.7 145.7#  
77 87.2 80.0 120.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.486 min Scan# 1938  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:164 Resp: 558724  
Ion Ratio Lower Upper  
164 100  
162 100.4 83.0 124.6  
160 45.6 37.0 55.4

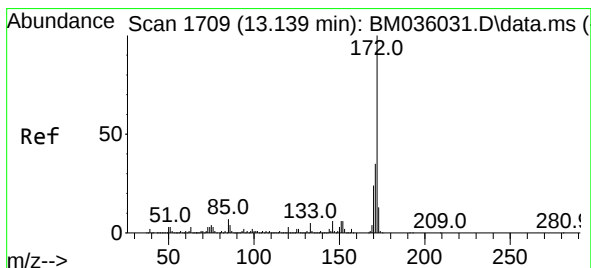
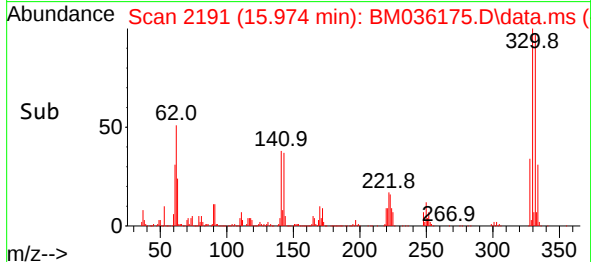
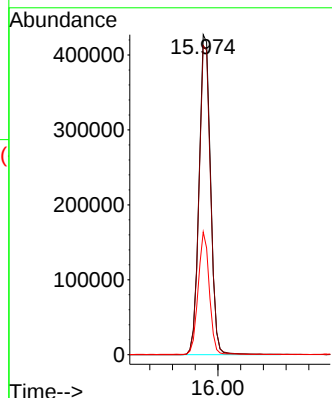
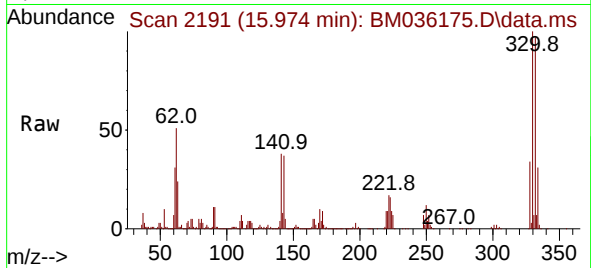




#42  
2,4,6-Tribromophenol  
Concen: 91.963 ng  
RT: 15.974 min Scan# 2191  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

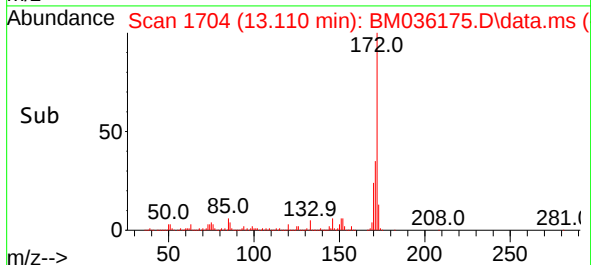
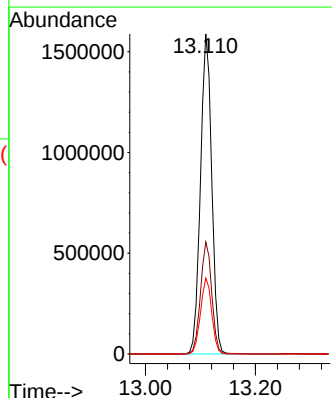
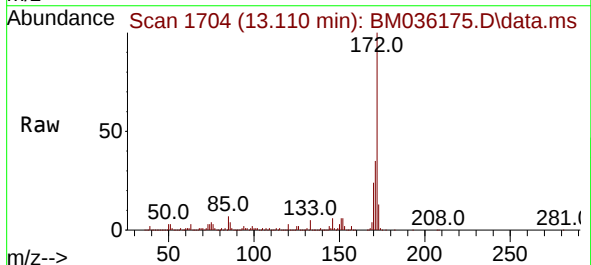
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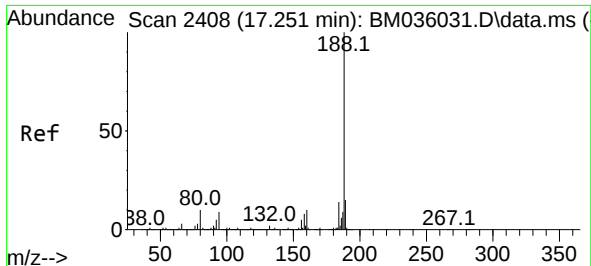
Tgt Ion:330 Resp: 602777  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.0 115.4  
141 36.9 35.3 52.9



#45  
2-Fluorobiphenyl  
Concen: 59.795 ng  
RT: 13.110 min Scan# 1704  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:172 Resp: 2262742  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.5 42.7  
170 23.7 18.7 28.1

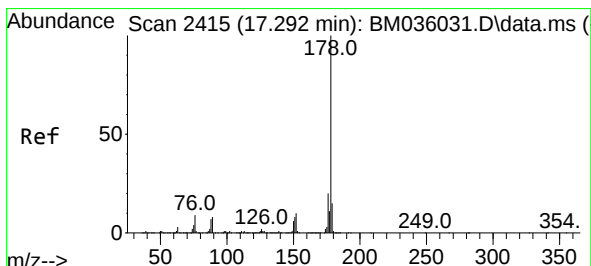
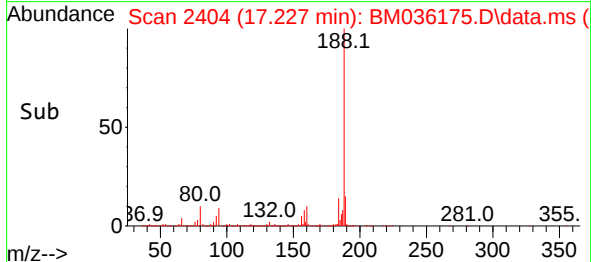
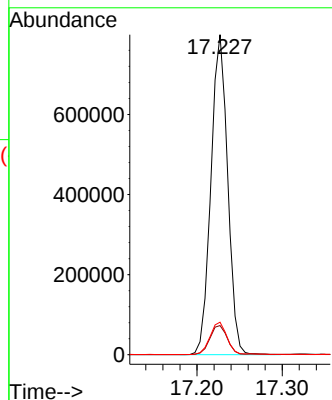
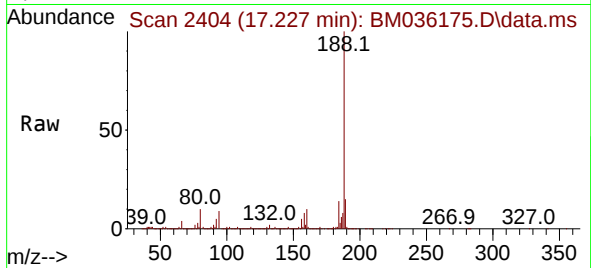




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.227 min Scan# 2404  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

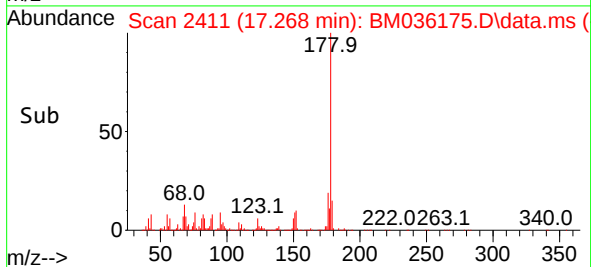
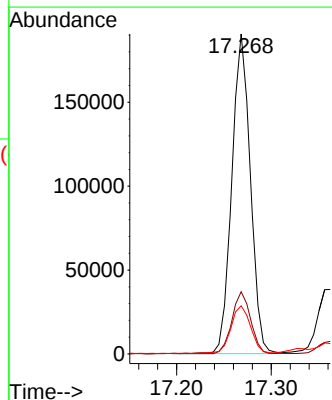
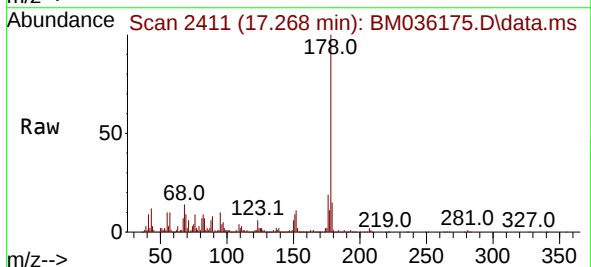
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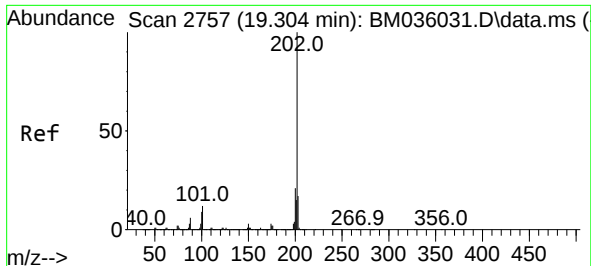
Tgt Ion:188 Resp: 1089791  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.0 10.4  
80 10.2 7.6 11.4



#71  
Phenanthrene  
Concen: 4.656 ng  
RT: 17.268 min Scan# 2411  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:178 Resp: 258517  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.0  
179 15.1 12.4 18.6

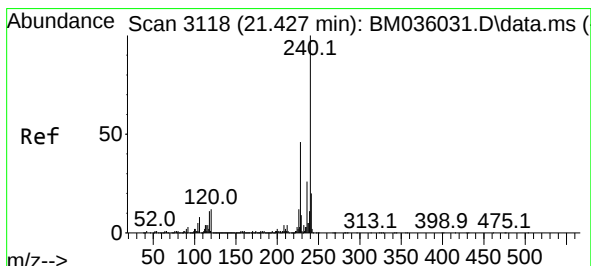
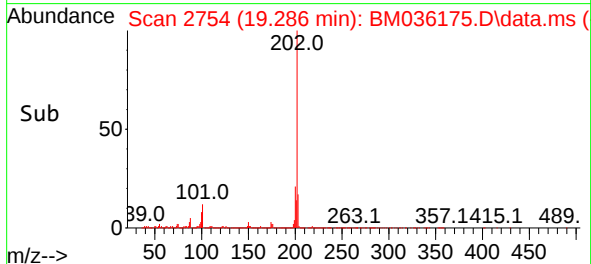
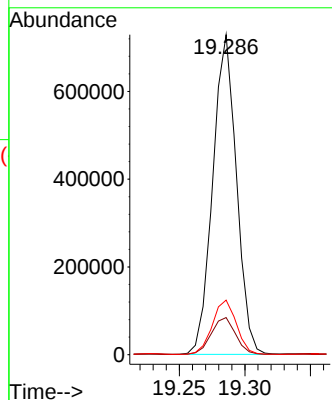
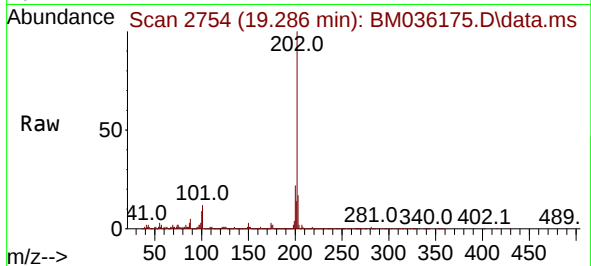




#75  
Fluoranthene  
Concen: 14.733 ng  
RT: 19.286 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

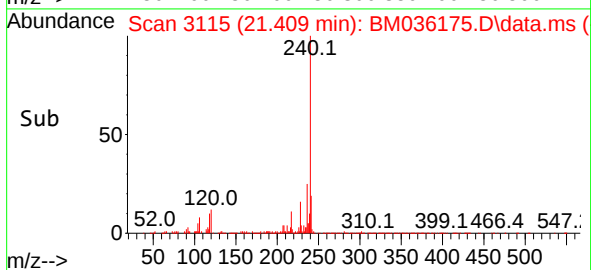
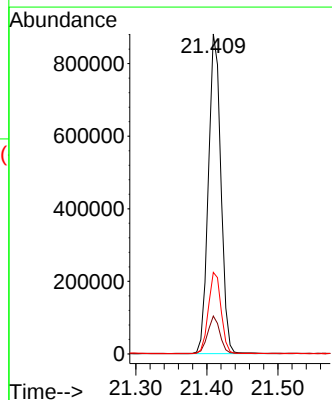
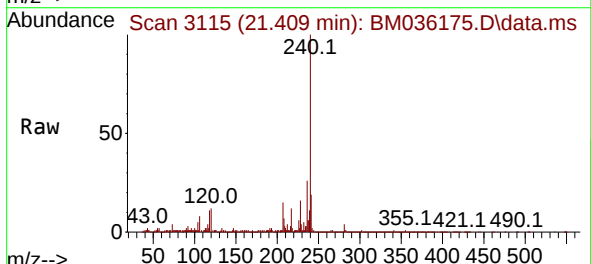
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

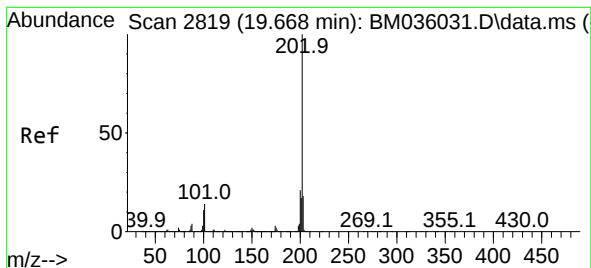
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Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.6  
203 17.1 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.409 min Scan# 3115  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:240 Resp: 1078063  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.4 14.0  
236 25.5 20.6 30.8





#78

Pyrene

Concen: 13.941 ng

RT: 19.645 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

Instrument :

BNA\_M

ClientSampleId :

RVE-209

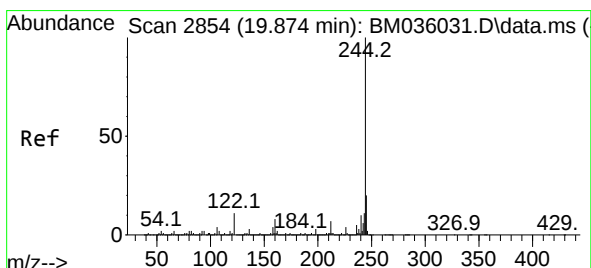
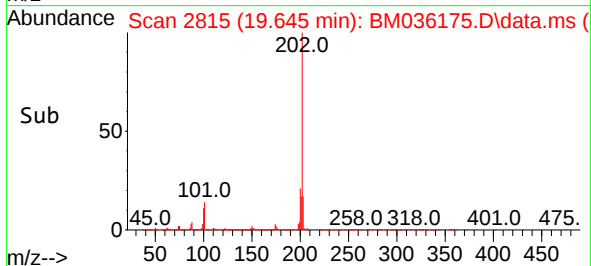
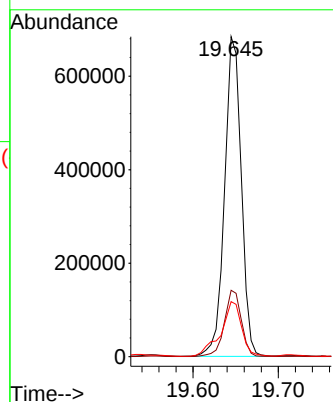
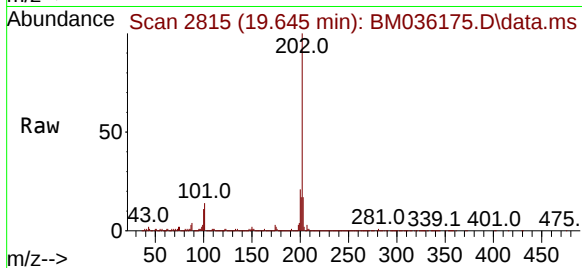
Tgt Ion:202 Resp: 931946

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.2 13.9 20.9



#79

Terphenyl-d14

Concen: 59.025 ng

RT: 19.850 min Scan# 2850

Delta R.T. -0.012 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

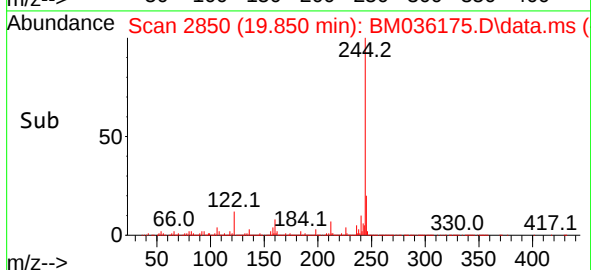
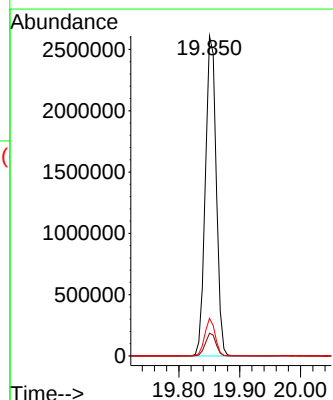
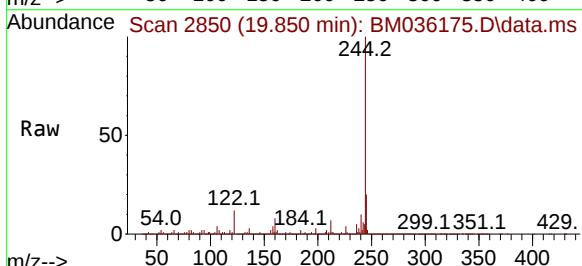
Tgt Ion:244 Resp: 3226097

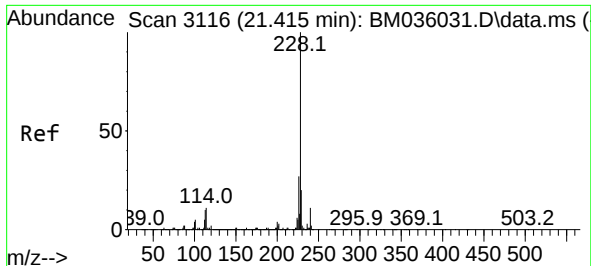
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

122 11.7 8.3 12.5

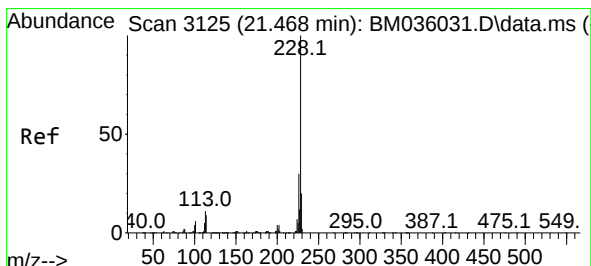
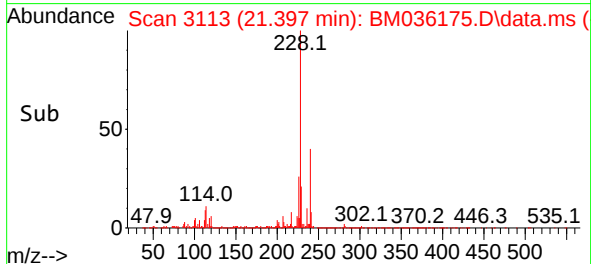
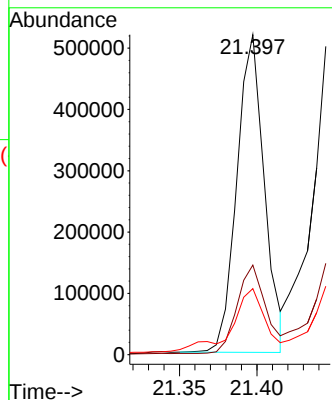
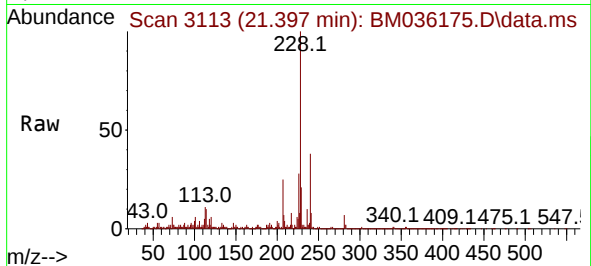




#81  
Benzo(a)anthracene  
Concen: 9.612 ng  
RT: 21.397 min Scan# 3116  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

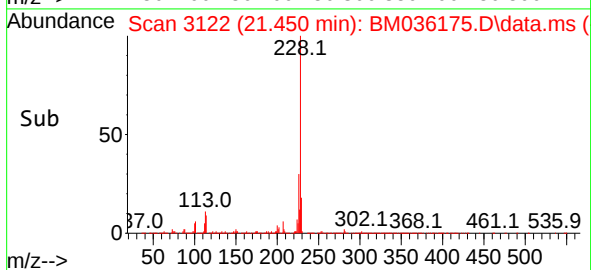
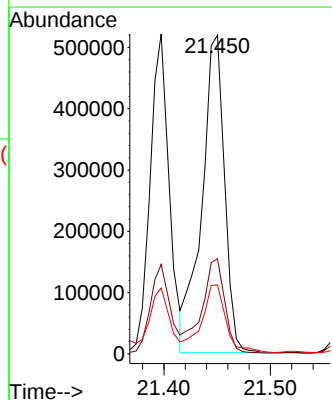
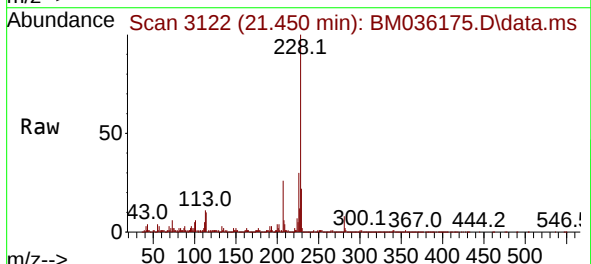
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

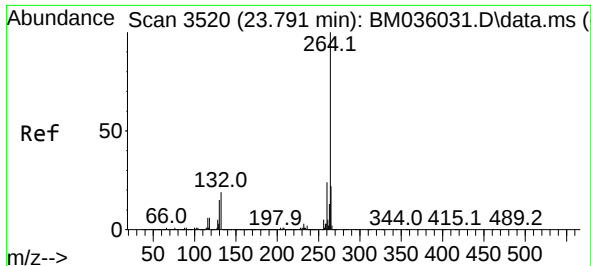
Tgt Ion:228 Resp: 638237  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.3 33.5  
229 20.7 15.8 23.6



#83  
Chrysene  
Concen: 12.185 ng  
RT: 21.450 min Scan# 3122  
Delta R.T. -0.006 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:228 Resp: 769101  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.4 36.6  
229 21.7 15.8 23.8

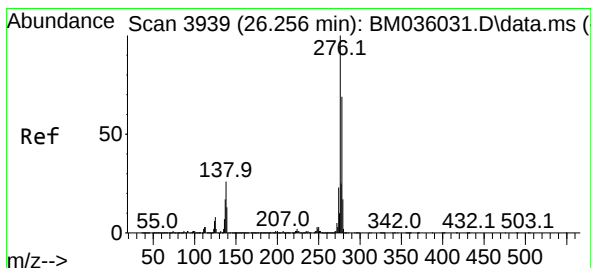
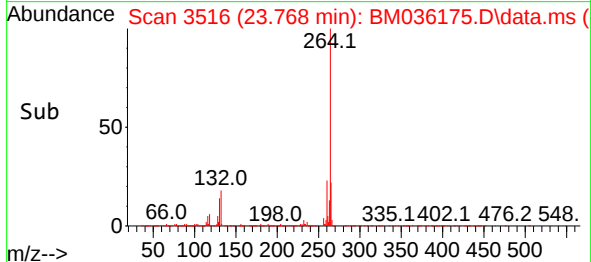
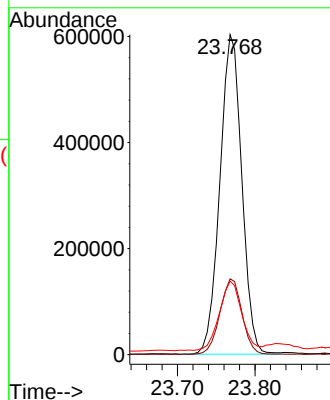
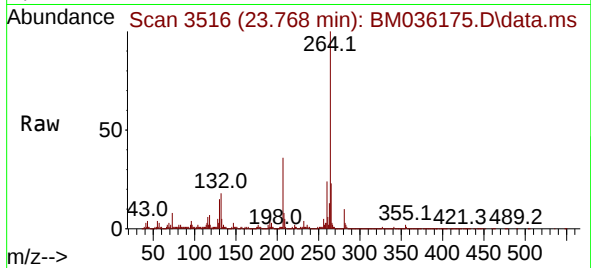




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.768 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: BM036175.D  
 Acq: 09 Aug 2022 15:00

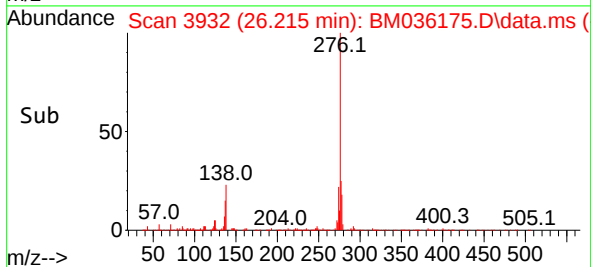
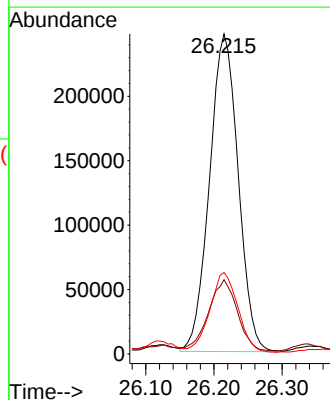
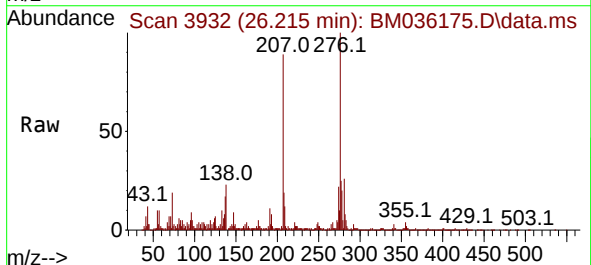
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-209

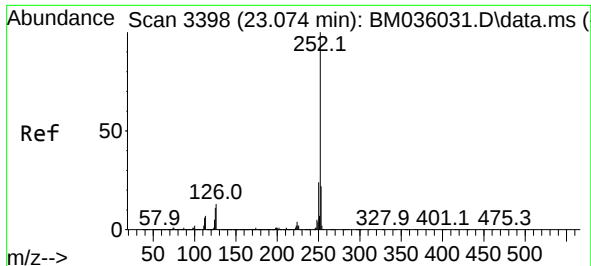
Tgt Ion:264 Resp: 1185527  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.9 28.3  
 265 23.0 17.5 26.3



#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.665 ng  
 RT: 26.215 min Scan# 3932  
 Delta R.T. -0.018 min  
 Lab File: BM036175.D  
 Acq: 09 Aug 2022 15:00

Tgt Ion:276 Resp: 721922  
 Ion Ratio Lower Upper  
 276 100  
 138 22.5 20.2 30.4  
 277 24.8 20.2 30.2

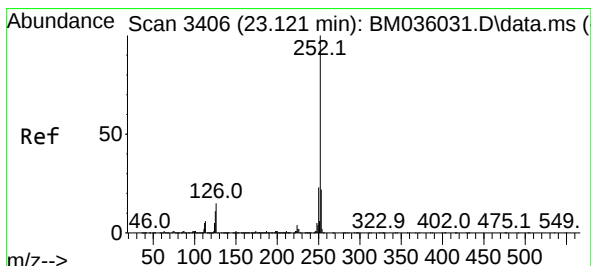
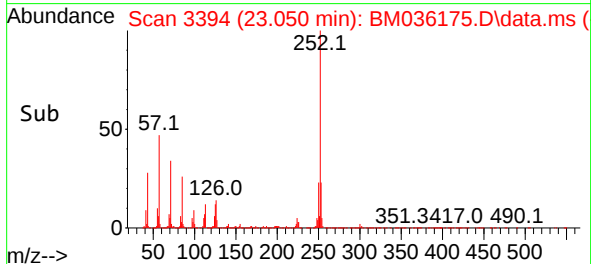
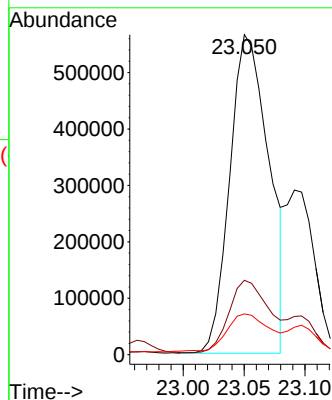
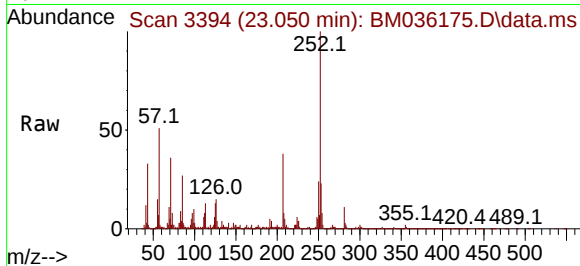




#88  
Benzo(b)fluoranthene  
Concen: 18.241 ng  
RT: 23.050 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

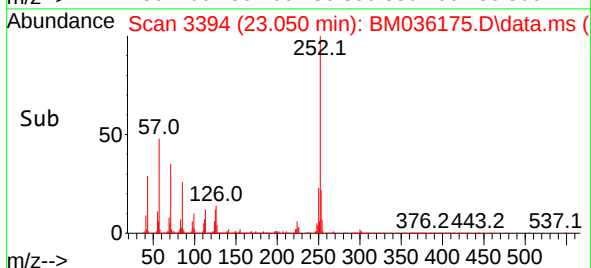
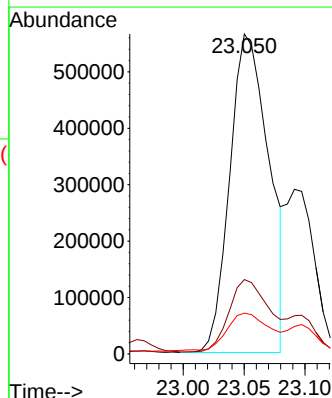
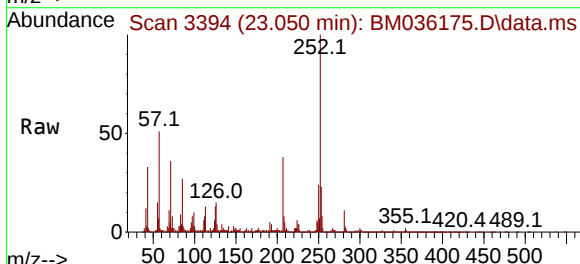
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

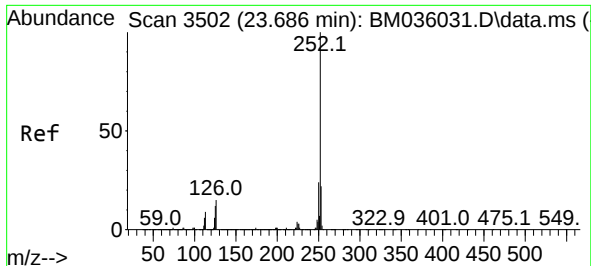
Tgt Ion:252 Resp: 1267007  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.6 26.4  
125 12.8 7.6 11.4#



#89  
Benzo(k)fluoranthene  
Concen: 18.060 ng  
RT: 23.050 min Scan# 3394  
Delta R.T. -0.059 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:252 Resp: 1267007  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.5 26.3  
125 12.8 7.6 11.4#

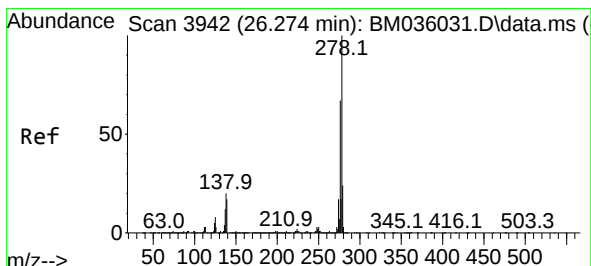
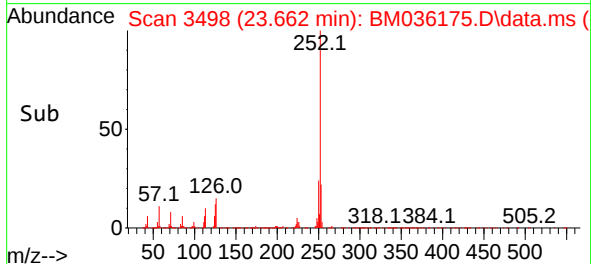
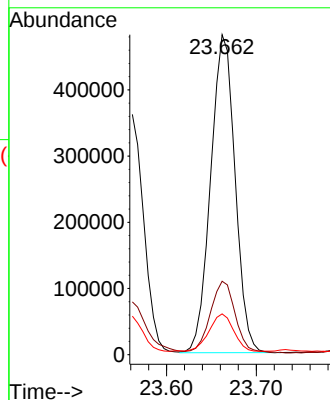
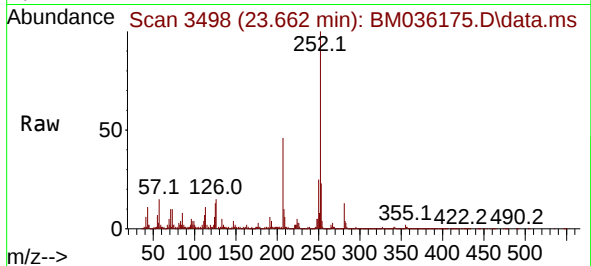




#90  
Benzo(a)pyrene  
Concen: 15.569 ng  
RT: 23.662 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

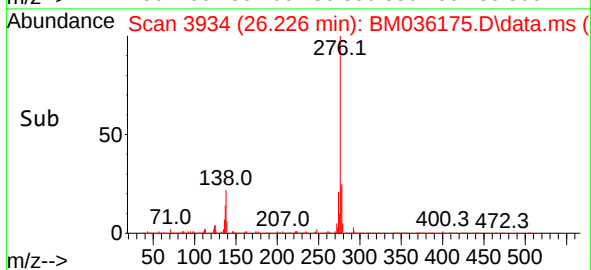
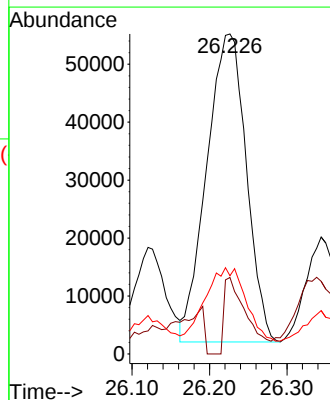
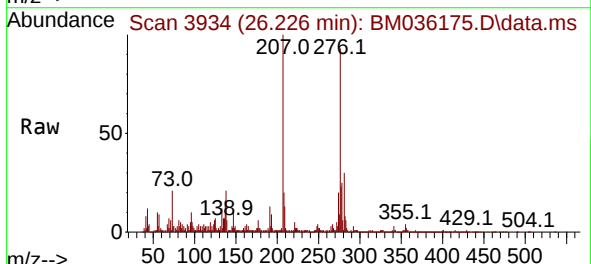
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-209

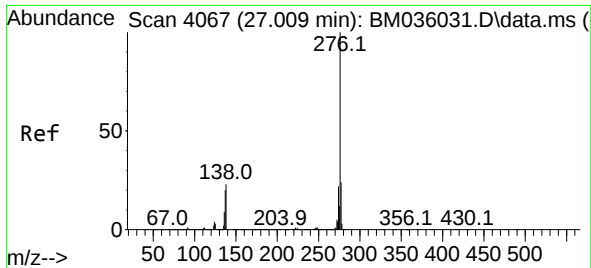
Tgt Ion:252 Resp: 907322  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.2 25.8  
125 12.7 8.7 13.1



#91  
Dibenzo(a,h)anthracene  
Concen: 2.712 ng  
RT: 26.226 min Scan# 3934  
Delta R.T. -0.024 min  
Lab File: BM036175.D  
Acq: 09 Aug 2022 15:00

Tgt Ion:278 Resp: 189161  
Ion Ratio Lower Upper  
278 100  
139 23.9 12.9 19.3#  
279 24.4 18.7 28.1





#92  
 Benzo(g,h,i)perylene  
 Concen: 11.240 ng  
 RT: 26.973 min Scan# 4061  
 Delta R.T. -0.018 min  
 Lab File: BM036175.D  
 Acq: 09 Aug 2022 15:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-209

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 758838 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 277      | 24.0  | 18.7  | 28.1   |
| 138      | 22.1  | 17.6  | 26.4   |

