

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081022\  
 Data File : BM036202.D  
 Acq On : 10 Aug 2022 21:13  
 Operator : CG/JU  
 Sample : N4086-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RLA-4711-WC

Quant Time: Aug 10 22:29:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 10 22:19:26 2022  
 Response via : Initial Calibration

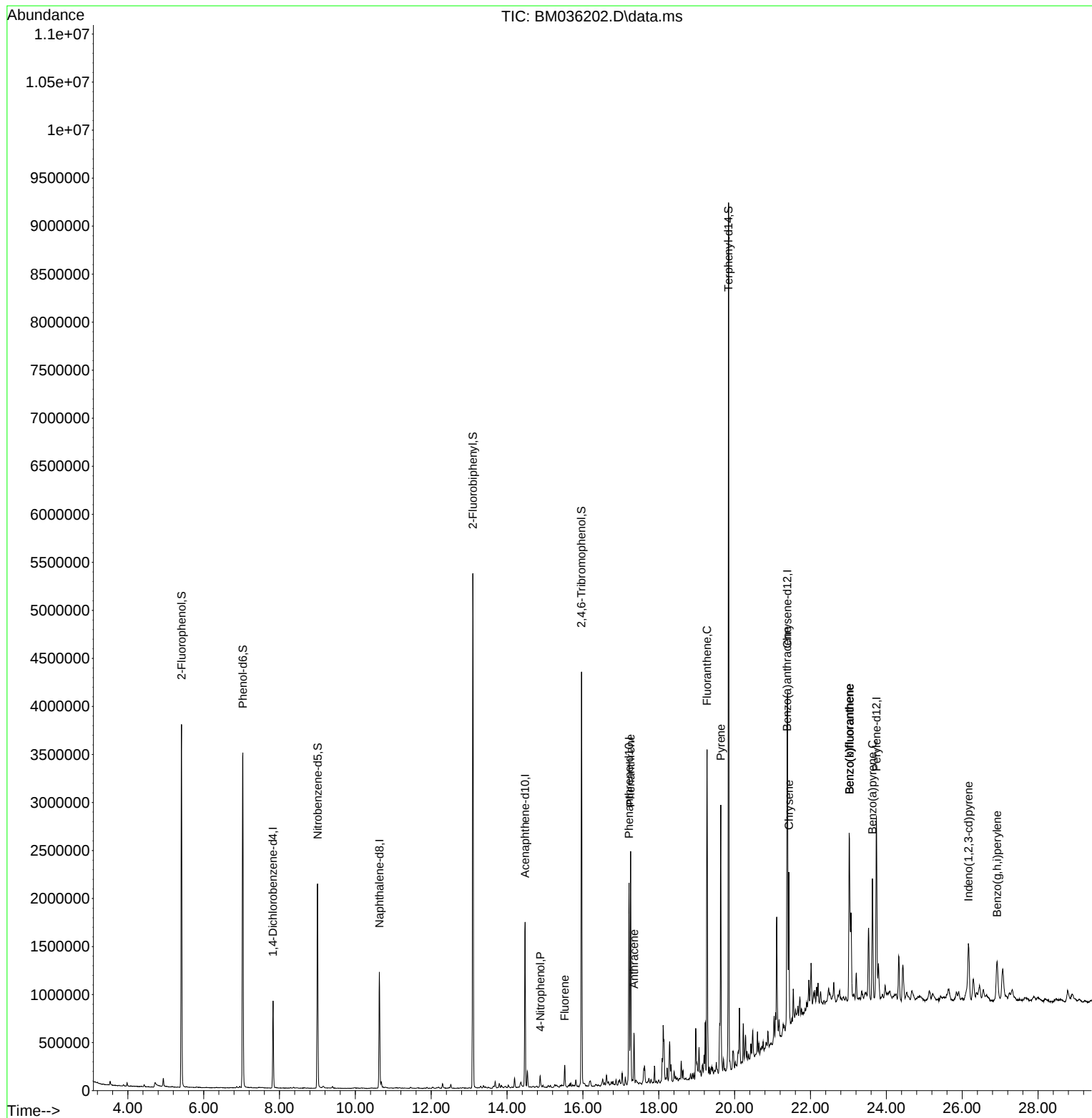
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.828  | 152  | 247126   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.633 | 136  | 1000069  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.474 | 164  | 582167   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.215 | 188  | 1194485  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.391 | 240  | 1255854  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 23.738 | 264  | 1332193  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 1631616  | 107.042 | ng    | 0.00     |
| 7) Phenol-d6                | 7.034  | 99   | 2044430  | 105.408 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.004  | 82   | 1236334  | 69.201  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.962 | 330  | 730782   | 107.002 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.098 | 172  | 2673252  | 67.798  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.839 | 244  | 3974233  | 62.419  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 56) 4-Nitrophenol           | 14.874 | 139  | 23323    | 3.145   | ng    | # 6      |
| 58) Fluorene                | 15.521 | 166  | 102339   | 2.639   | ng    | 100      |
| 71) Phenanthrene            | 17.256 | 178  | 1299441  | 21.353  | ng    | 100      |
| 72) Anthracene              | 17.345 | 178  | 317043   | 5.381   | ng    | 99       |
| 75) Fluoranthene            | 19.274 | 202  | 1907361  | 28.000  | ng    | 99       |
| 78) Pyrene                  | 19.633 | 202  | 1600157  | 20.548  | ng    | 100      |
| 81) Benzo(a)anthracene      | 21.380 | 228  | 998209   | 12.905  | ng    | 99       |
| 83) Chrysene                | 21.433 | 228  | 818103   | 11.126  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.168 | 276  | 575502   | 6.147   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.027 | 252  | 1192648  | 15.280  | ng    | # 97     |
| 89) Benzo(k)fluoranthene    | 23.027 | 252  | 1192648  | 15.129  | ng    | # 97     |
| 90) Benzo(a)pyrene          | 23.633 | 252  | 851528   | 13.003  | ng    | 96       |
| 92) Benzo(g,h,i)perylene    | 26.921 | 276  | 531009   | 6.999   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

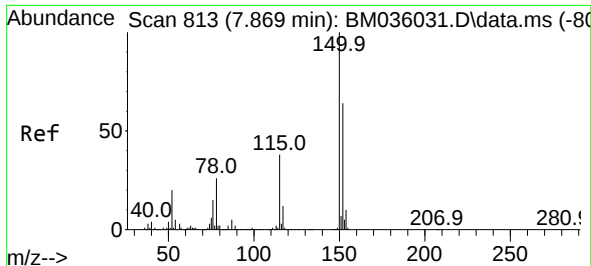
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081022\  
Data File : BM036202.D  
Acq On : 10 Aug 2022 21:13  
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Sample : N4086-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

Quant Time: Aug 10 22:29:09 2022  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 10 22:19:26 2022  
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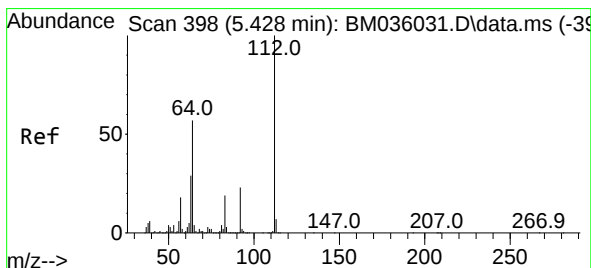
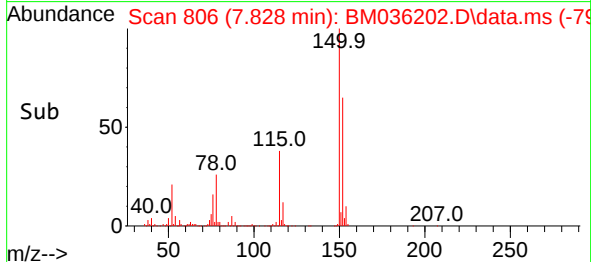
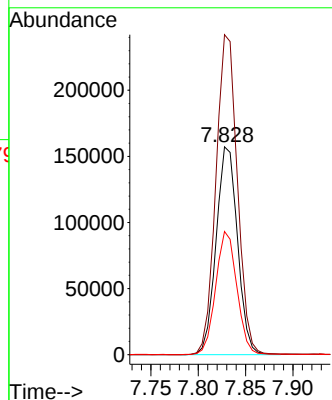
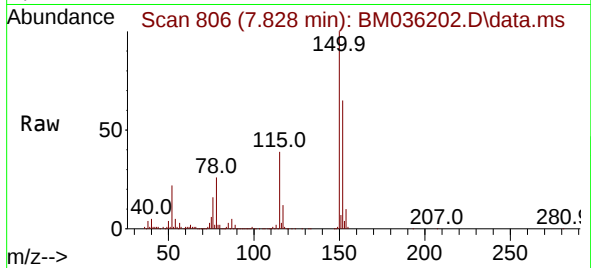




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.828 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

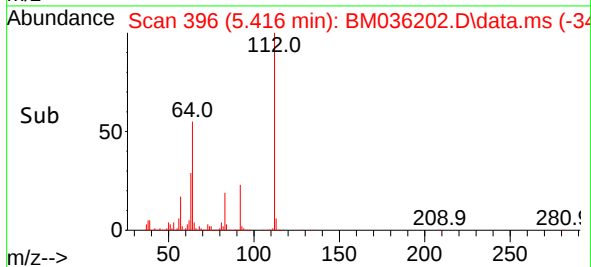
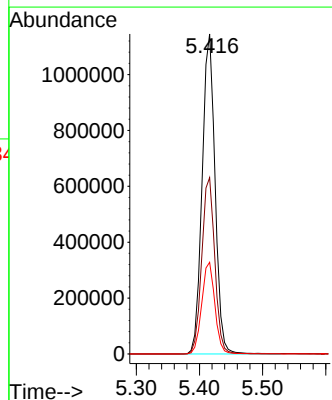
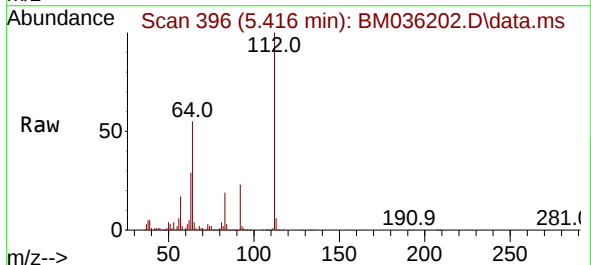
Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

Tgt Ion:152 Resp: 247126  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.9 187.3  
115 59.3 47.9 71.9



#5  
2-Fluorophenol  
Concen: 107.042 ng  
RT: 5.416 min Scan# 396  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:112 Resp: 1631616  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.8 71.6  
63 28.7 26.6 40.0

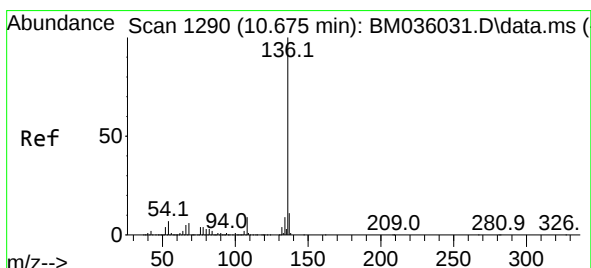
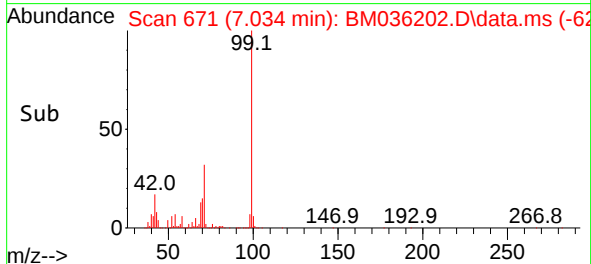
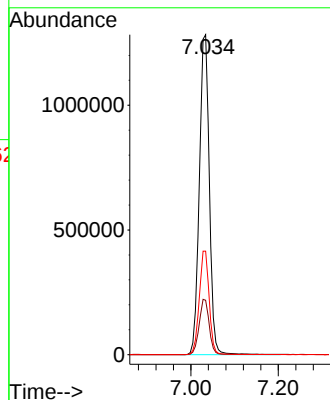
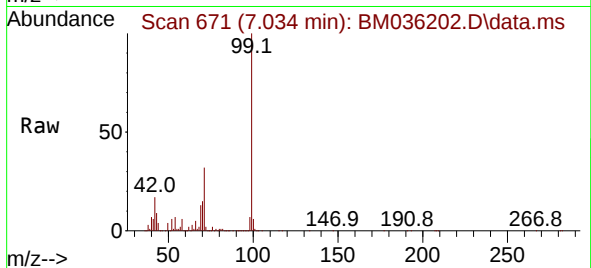




#7  
Phenol-d6  
Concen: 105.408 ng  
RT: 7.034 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

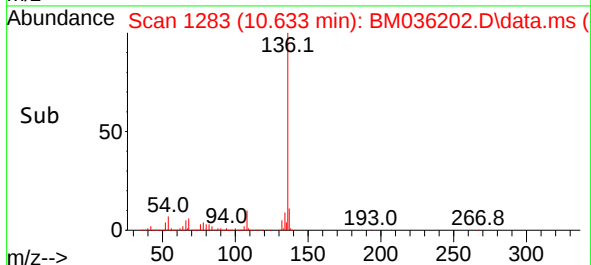
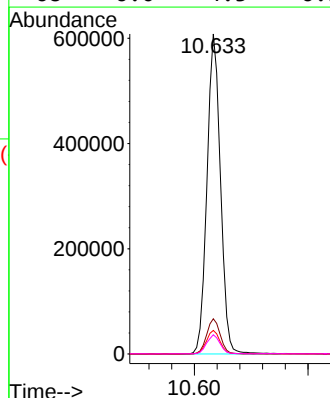
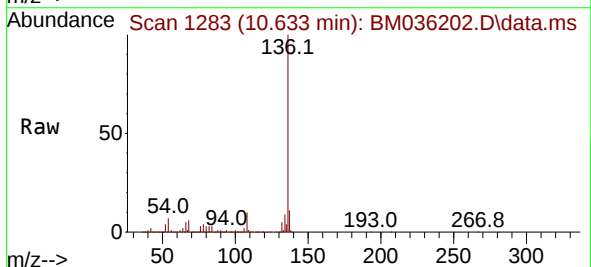
Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

Tgt Ion: 99 Resp: 2044430  
Ion Ratio Lower Upper  
99 100  
42 17.0 18.8 28.2#  
71 32.3 30.2 45.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.633 min Scan# 1283  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion: 136 Resp: 1000069  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.4 7.0 10.4  
68 6.0 4.3 6.5

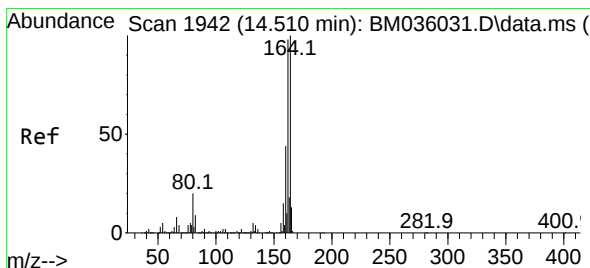
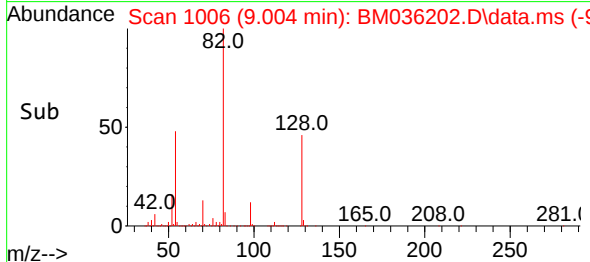
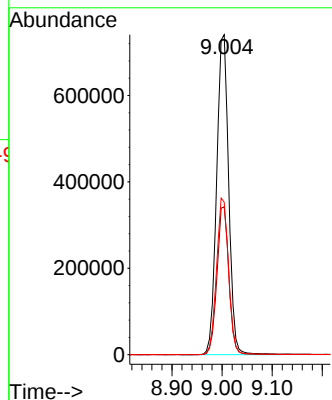
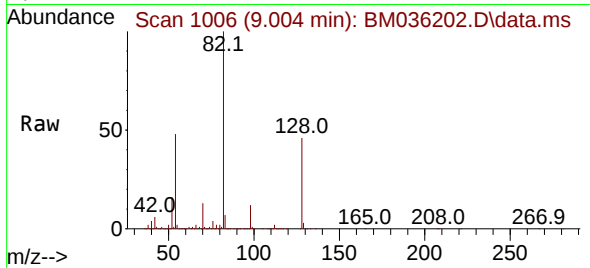




#23  
Nitrobenzene-d5  
Concen: 69.201 ng  
RT: 9.004 min Scan# 1006  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

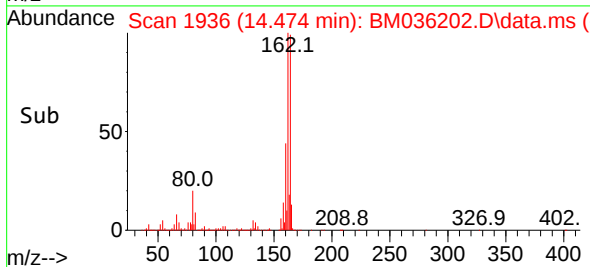
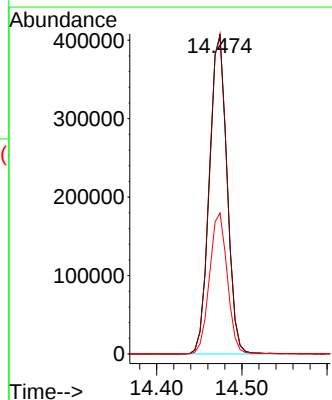
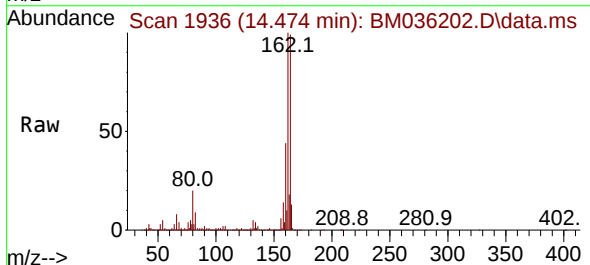
Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

Tgt Ion: 82 Resp: 1236334  
Ion Ratio Lower Upper  
82 100  
128 46.2 33.7 50.5  
54 47.6 43.2 64.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.474 min Scan# 1936  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:164 Resp: 582167  
Ion Ratio Lower Upper  
164 100  
162 101.0 83.0 124.6  
160 44.5 37.0 55.4

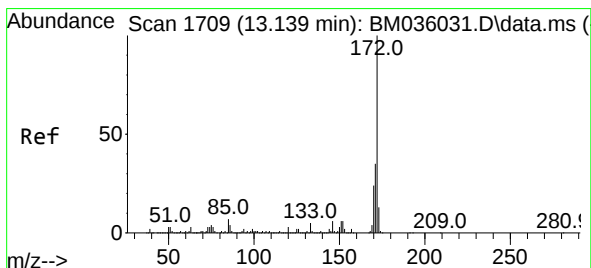
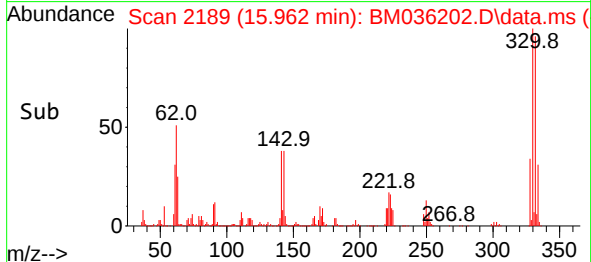
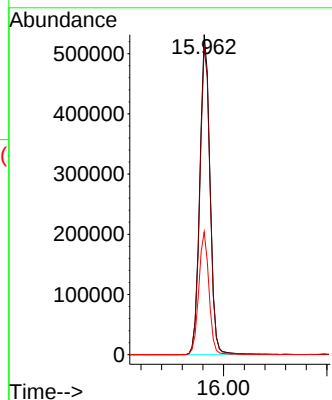
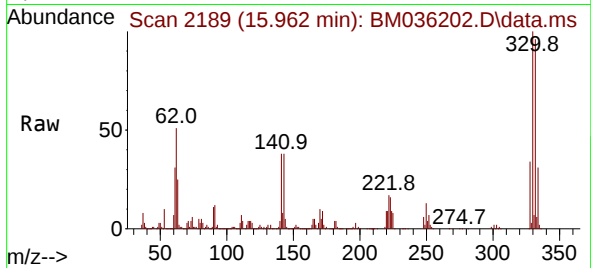




#42  
2,4,6-Tribromophenol  
Concen: 107.002 ng  
RT: 15.962 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

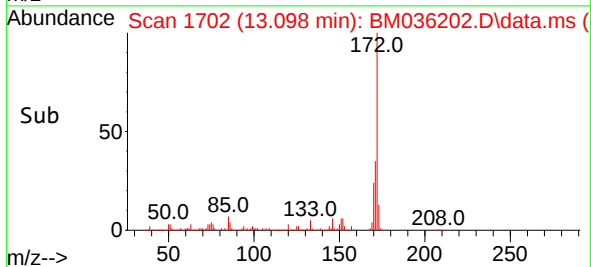
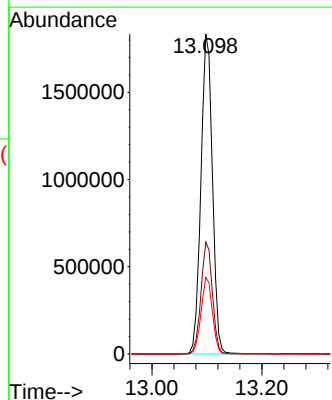
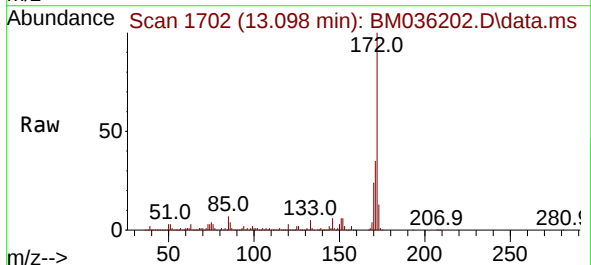
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ClientSampleId :  
RLA-4711-WC

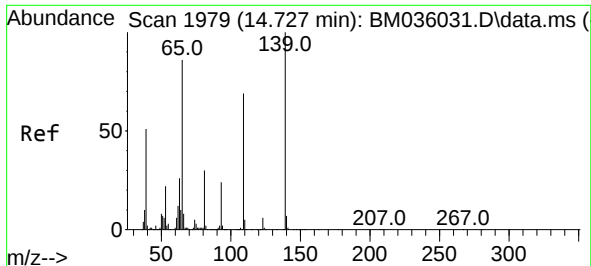
Tgt Ion:330 Resp: 730782  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.0 115.4  
141 38.1 35.3 52.9



#45  
2-Fluorobiphenyl  
Concen: 67.798 ng  
RT: 13.098 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:172 Resp: 2673252  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.5 42.7  
170 23.9 18.7 28.1

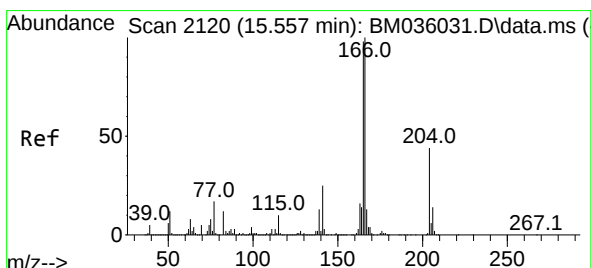
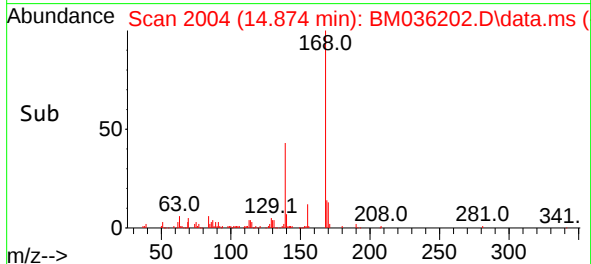
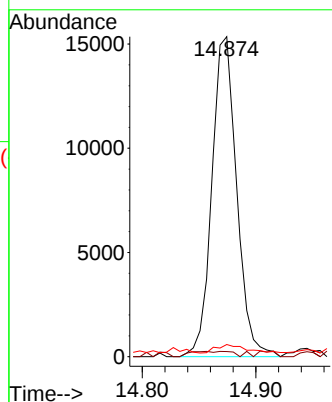
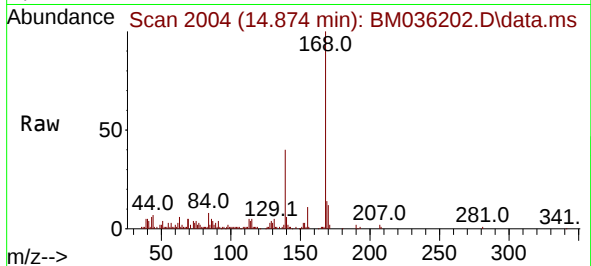




#56  
4-Nitrophenol  
Concen: 3.145 ng  
RT: 14.874 min Scan# 20  
Delta R.T. 0.135 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

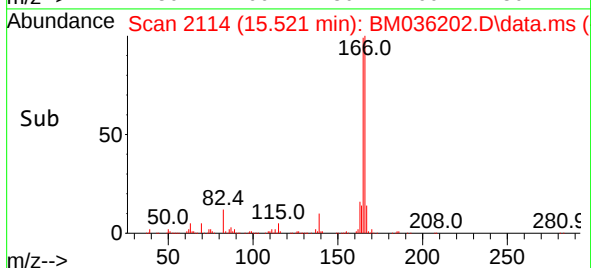
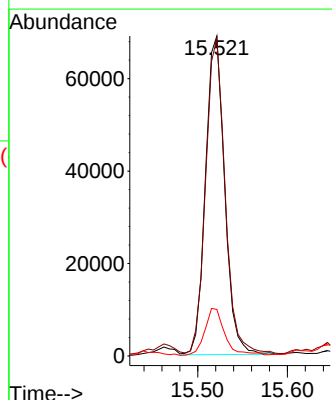
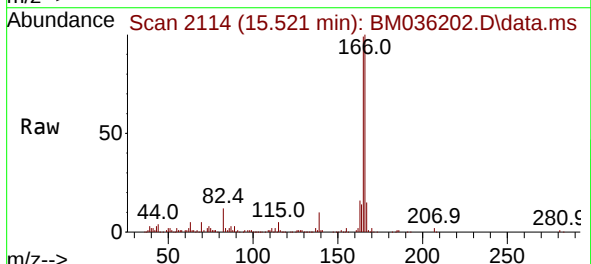
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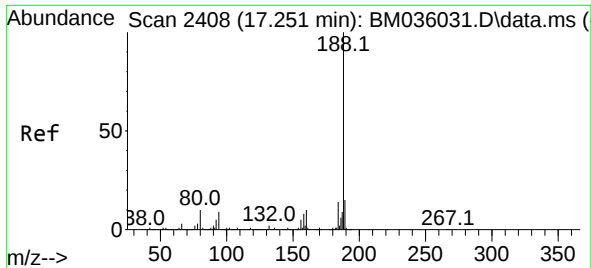
Tgt Ion:139 Resp: 23323  
Ion Ratio Lower Upper  
139 100  
109 1.6 62.5 102.5#  
65 3.8 83.5 123.5#



#58  
Fluorene  
Concen: 2.639 ng  
RT: 15.521 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:166 Resp: 102339  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.4 119.2  
167 14.5 10.6 16.0

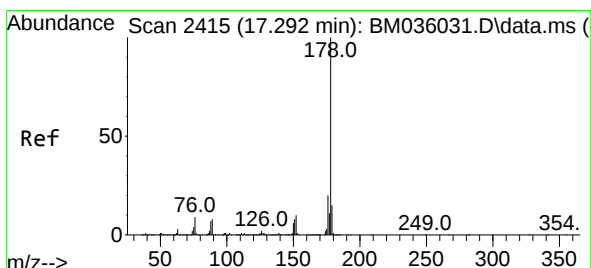
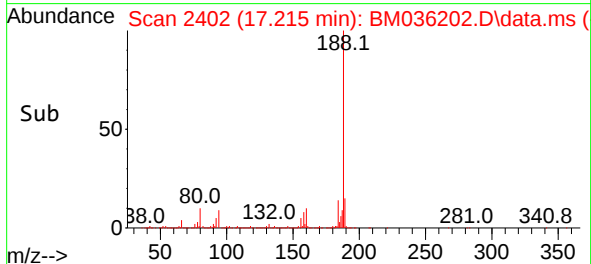
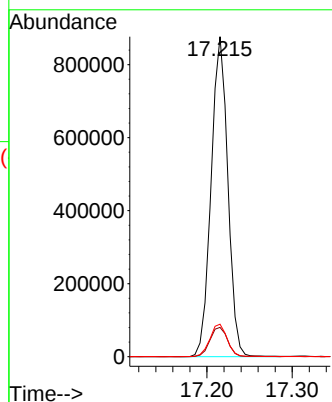
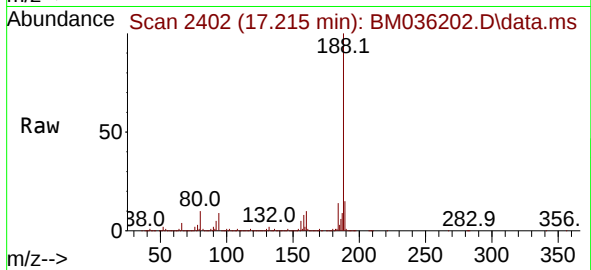




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.215 min Scan# 2408  
Delta R.T. -0.000 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

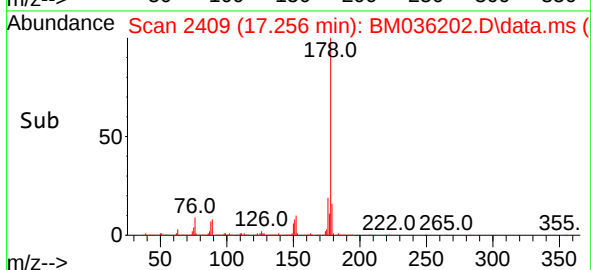
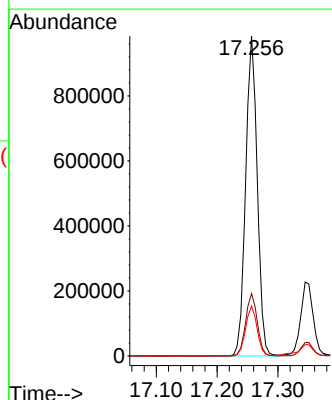
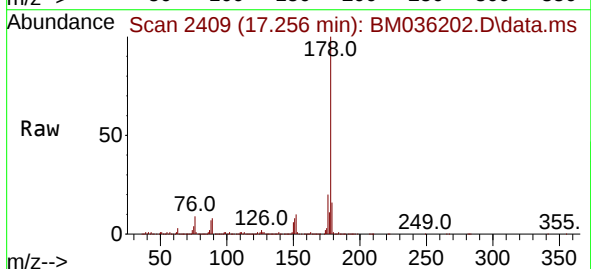
Instrument :  
BNA\_M  
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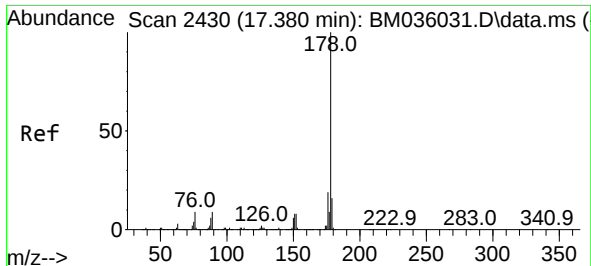
Tgt Ion:188 Resp: 1194485  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.0 10.4  
80 10.2 7.6 11.4



#71  
Phenanthrene  
Concen: 21.353 ng  
RT: 17.256 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:178 Resp: 1299441  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.0  
179 15.6 12.4 18.6

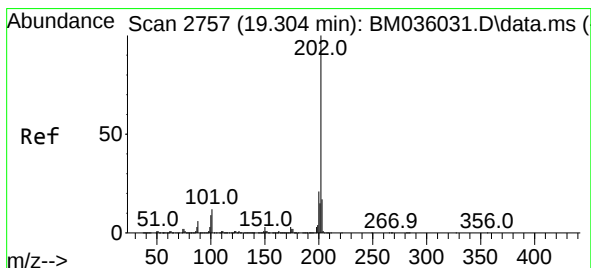
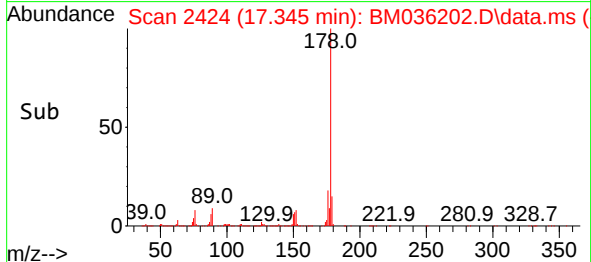
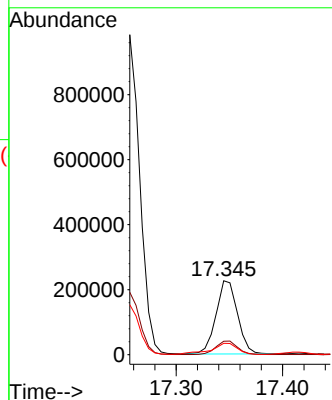
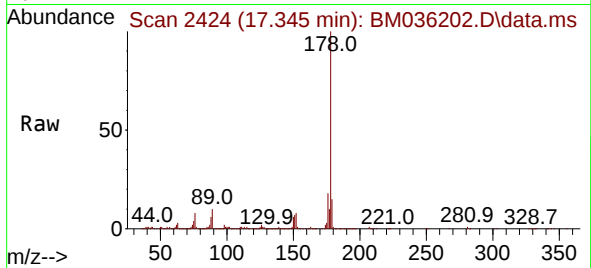




#72  
 Anthracene  
 Concen: 5.381 ng  
 RT: 17.345 min Scan# 2430  
 Delta R.T. -0.006 min  
 Lab File: BM036202.D  
 Acq: 10 Aug 2022 21:13

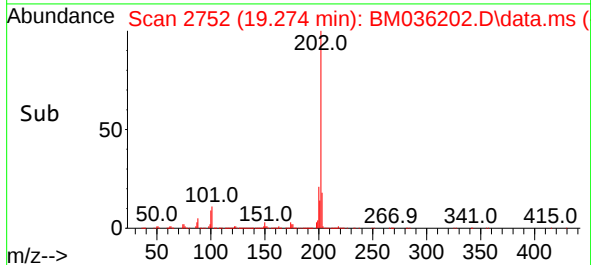
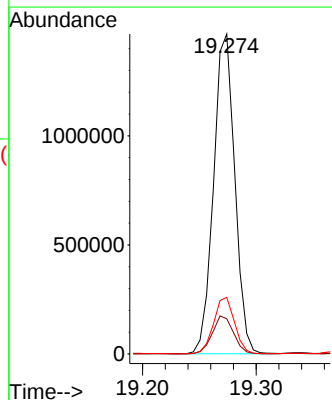
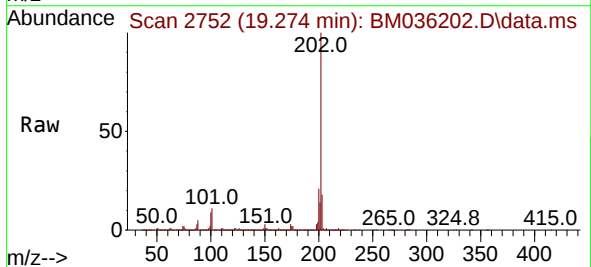
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RLA-4711-WC

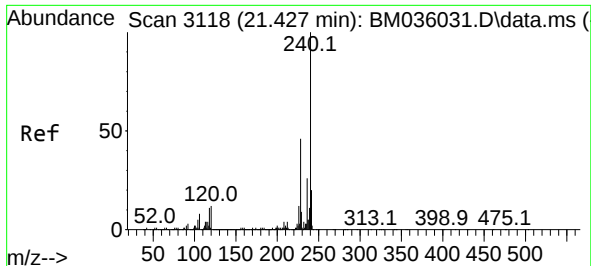
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 Ion Ratio Lower Upper  
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 176 18.1 15.0 22.4  
 179 15.4 12.2 18.2



#75  
 Fluoranthene  
 Concen: 28.000 ng  
 RT: 19.274 min Scan# 2752  
 Delta R.T. -0.000 min  
 Lab File: BM036202.D  
 Acq: 10 Aug 2022 21:13

Tgt Ion:202 Resp: 1907361  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 0.0 30.6  
 203 17.7 0.0 37.4

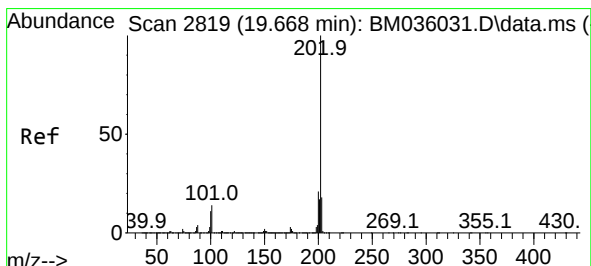
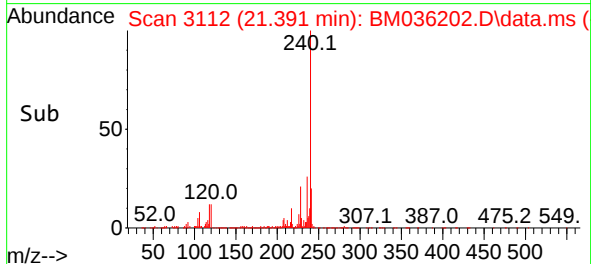
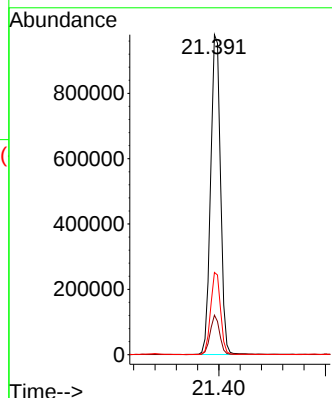
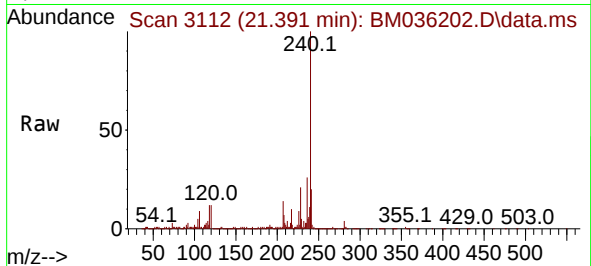




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.391 min Scan# 3112  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

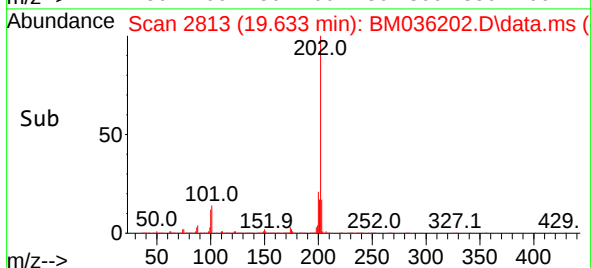
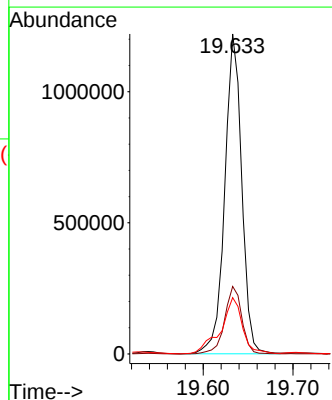
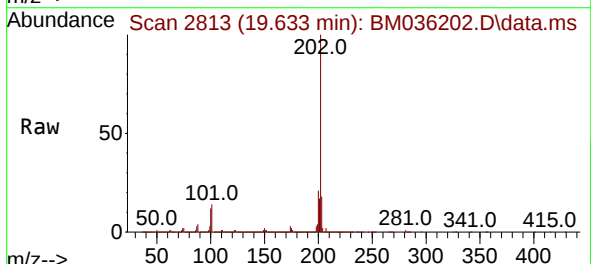
Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

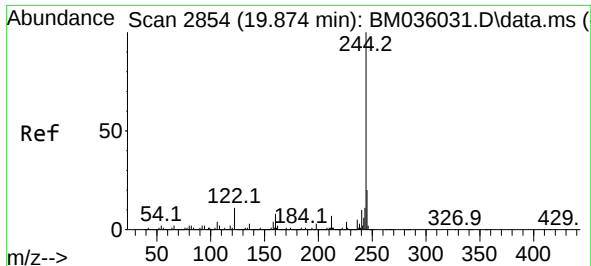
Tgt Ion:240 Resp: 1255854  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.4 14.0  
236 25.7 20.6 30.8



#78  
Pyrene  
Concen: 20.548 ng  
RT: 19.633 min Scan# 2813  
Delta R.T. -0.006 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:202 Resp: 1600157  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.7 25.1  
203 17.6 13.9 20.9

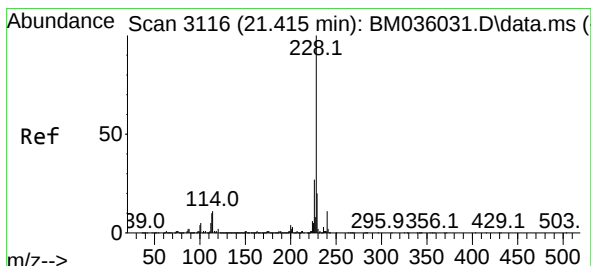
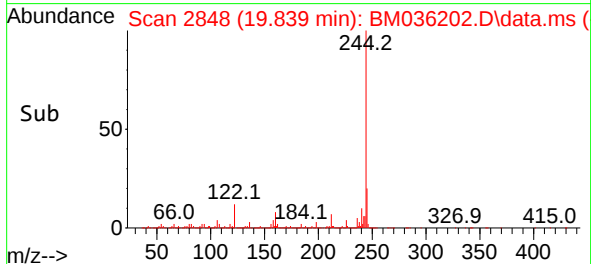
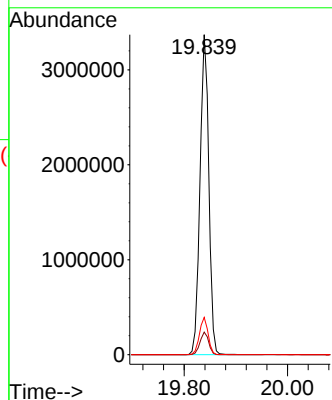
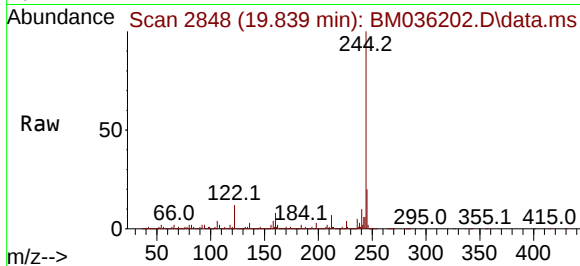




#79  
 Terphenyl-d14  
 Concen: 62.419 ng  
 RT: 19.839 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM036202.D  
 Acq: 10 Aug 2022 21:13

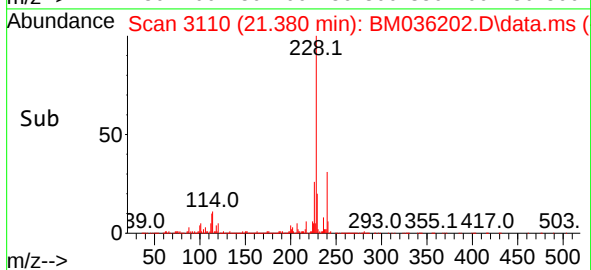
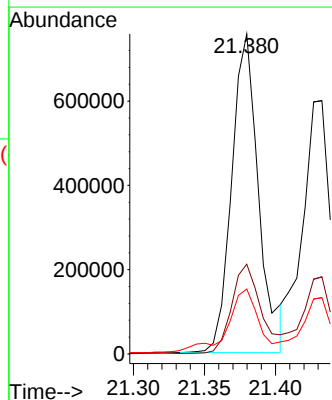
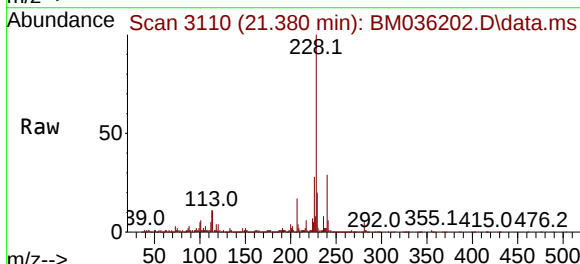
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RLA-4711-WC

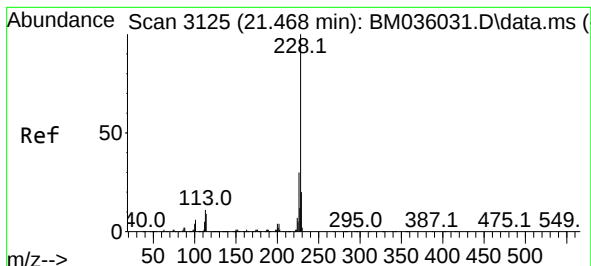
Tgt Ion:244 Resp: 3974233  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.2 9.4  
 122 11.7 8.3 12.5



#81  
 Benzo(a)anthracene  
 Concen: 12.905 ng  
 RT: 21.380 min Scan# 3110  
 Delta R.T. -0.006 min  
 Lab File: BM036202.D  
 Acq: 10 Aug 2022 21:13

Tgt Ion:228 Resp: 998209  
 Ion Ratio Lower Upper  
 228 100  
 226 28.1 22.3 33.5  
 229 20.3 15.8 23.6





#83

Chrysene

Concen: 11.126 ng

RT: 21.433 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM036202.D

Acq: 10 Aug 2022 21:13

Instrument :

BNA\_M

ClientSampleId :

RLA-4711-WC

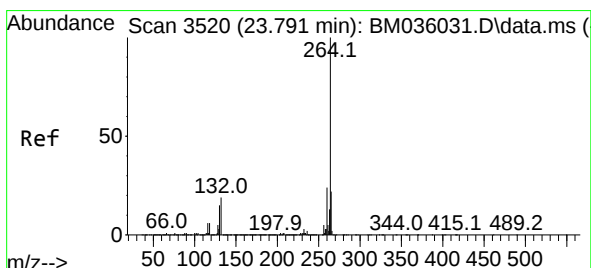
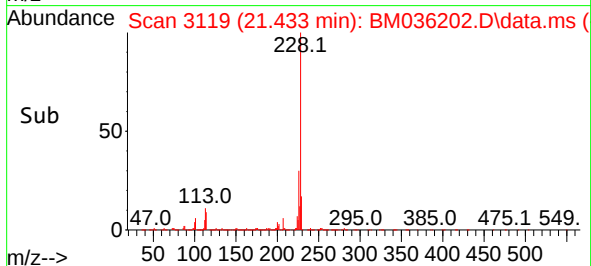
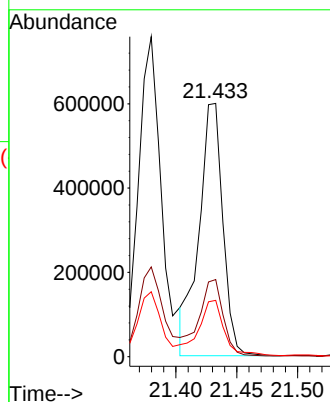
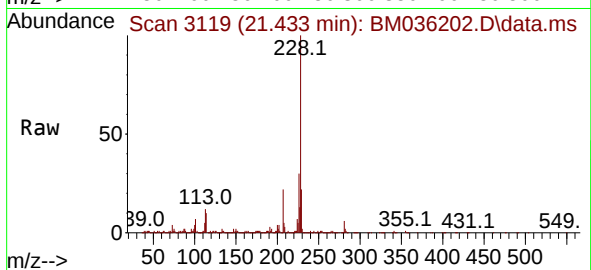
Tgt Ion:228 Resp: 818103

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 22.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.738 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM036202.D

Acq: 10 Aug 2022 21:13

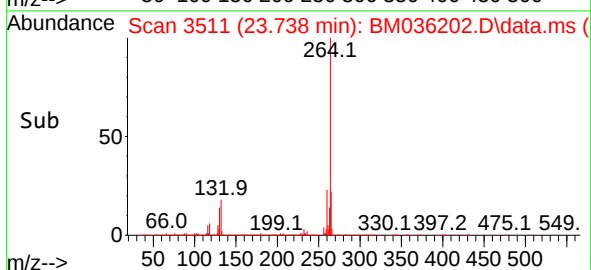
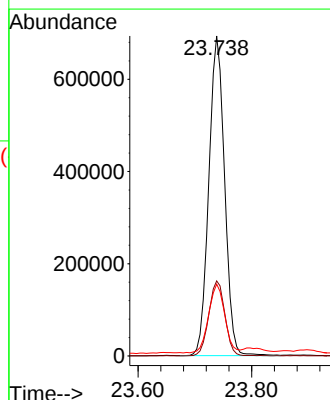
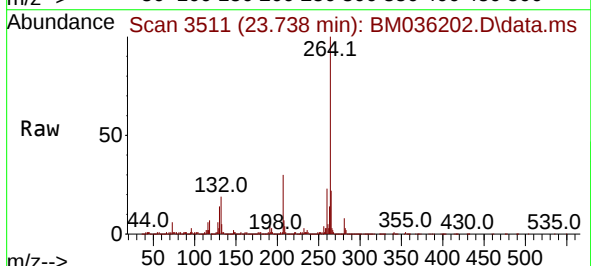
Tgt Ion:264 Resp: 1332193

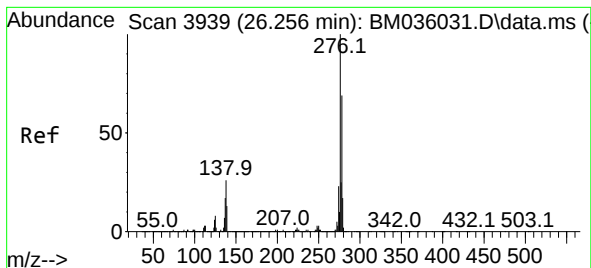
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.147 ng

RT: 26.168 min Scan# 3924

Delta R.T. -0.024 min

Lab File: BM036202.D

Acq: 10 Aug 2022 21:13

Instrument :

BNA\_M

ClientSampleId :

RLA-4711-WC

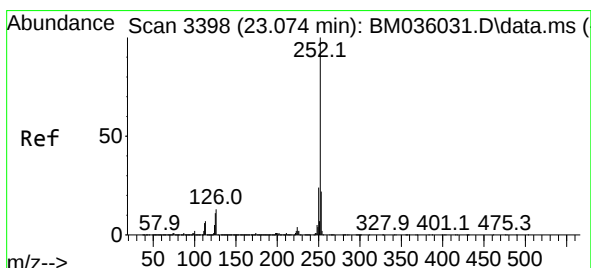
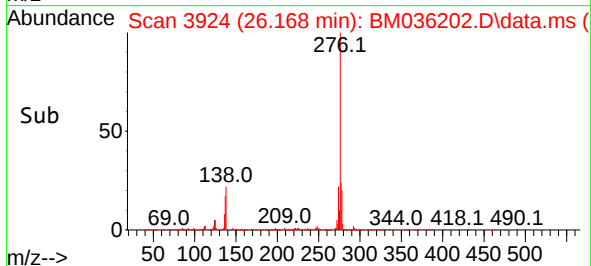
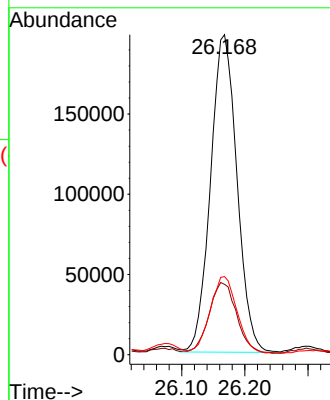
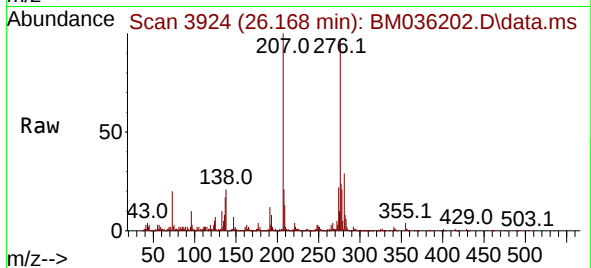
Tgt Ion:276 Resp: 575502

Ion Ratio Lower Upper

276 100

138 23.1 20.2 30.4

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.280 ng

RT: 23.027 min Scan# 3390

Delta R.T. -0.006 min

Lab File: BM036202.D

Acq: 10 Aug 2022 21:13

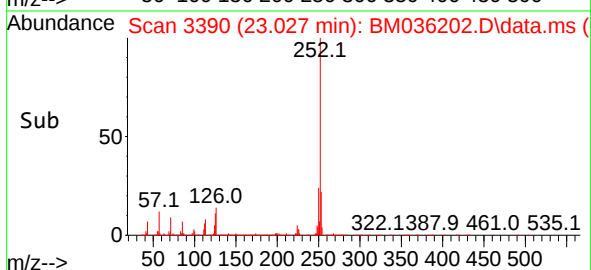
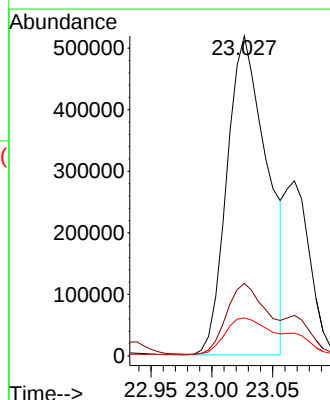
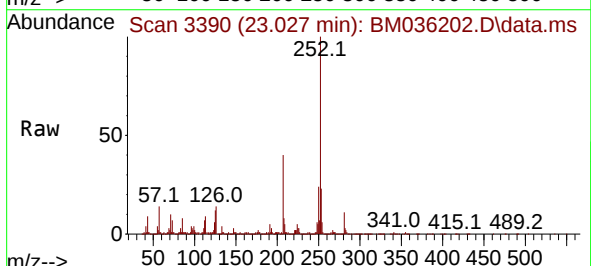
Tgt Ion:252 Resp: 1192648

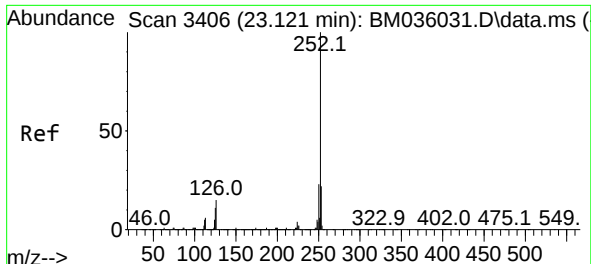
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.9 7.6 11.4#

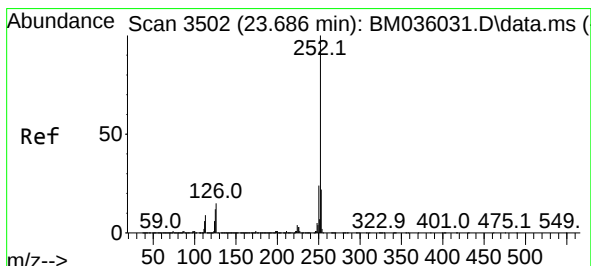
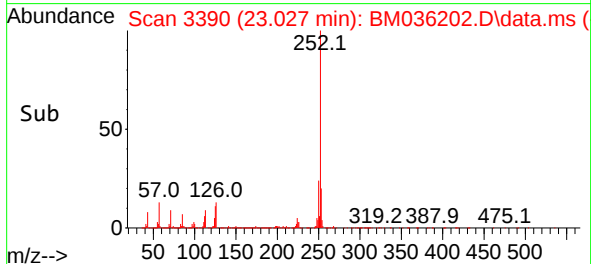
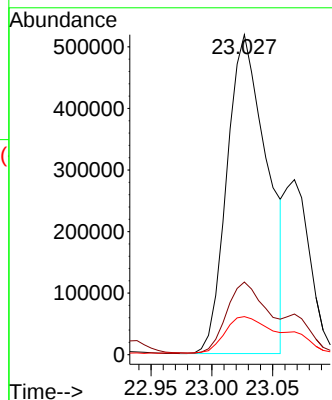
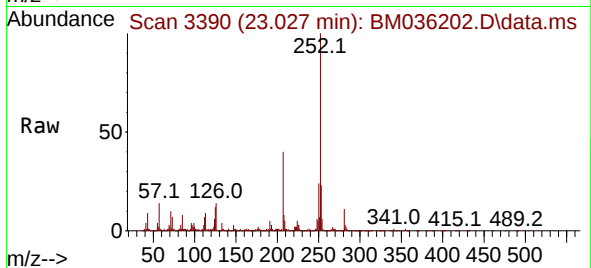




#89  
Benzo(k)fluoranthene  
Concen: 15.129 ng  
RT: 23.027 min Scan# 31  
Delta R.T. -0.053 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

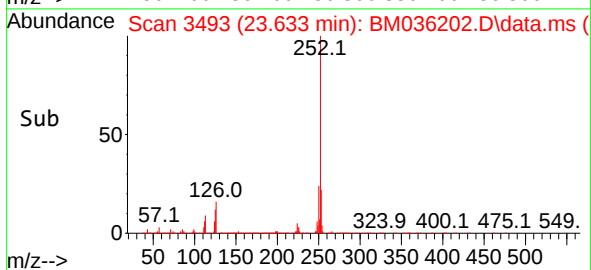
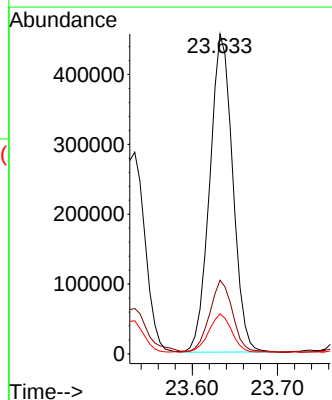
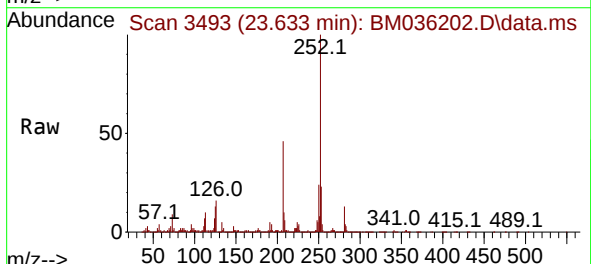
Instrument :  
BNA\_M  
ClientSampleId :  
RLA-4711-WC

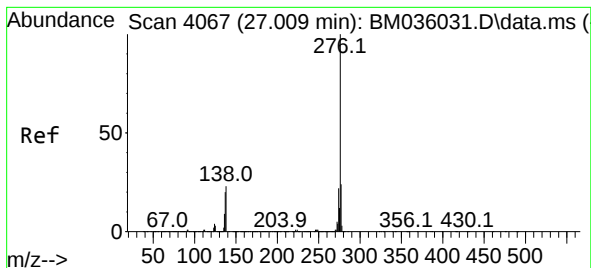
Tgt Ion:252 Resp: 1192648  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.5 26.3  
125 11.9 7.6 11.4#



#90  
Benzo(a)pyrene  
Concen: 13.003 ng  
RT: 23.633 min Scan# 3493  
Delta R.T. -0.012 min  
Lab File: BM036202.D  
Acq: 10 Aug 2022 21:13

Tgt Ion:252 Resp: 851528  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.2 25.8  
125 12.6 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 6.999 ng

RT: 26.921 min Scan# 40

Delta R.T. -0.024 min

Lab File: BM036202.D

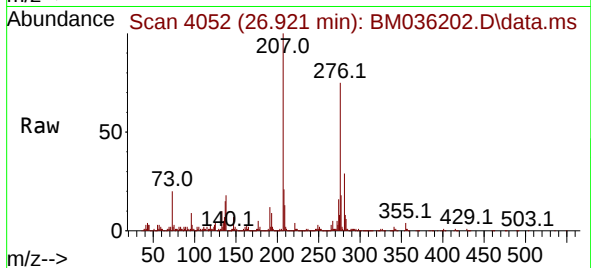
Acq: 10 Aug 2022 21:13

Instrument :

BNA\_M

ClientSampleId :

RLA-4711-WC



Tgt Ion:276 Resp: 531009

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 24.2 17.6 26.4

