

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032322\  
 Data File : BM034349.D  
 Acq On : 23 Mar 2022 21:21  
 Operator : CG/JU  
 Sample : N1958-03 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C-3-2-3

Quant Time: Mar 24 02:43:40 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 02:40:59 2022  
 Response via : Initial Calibration

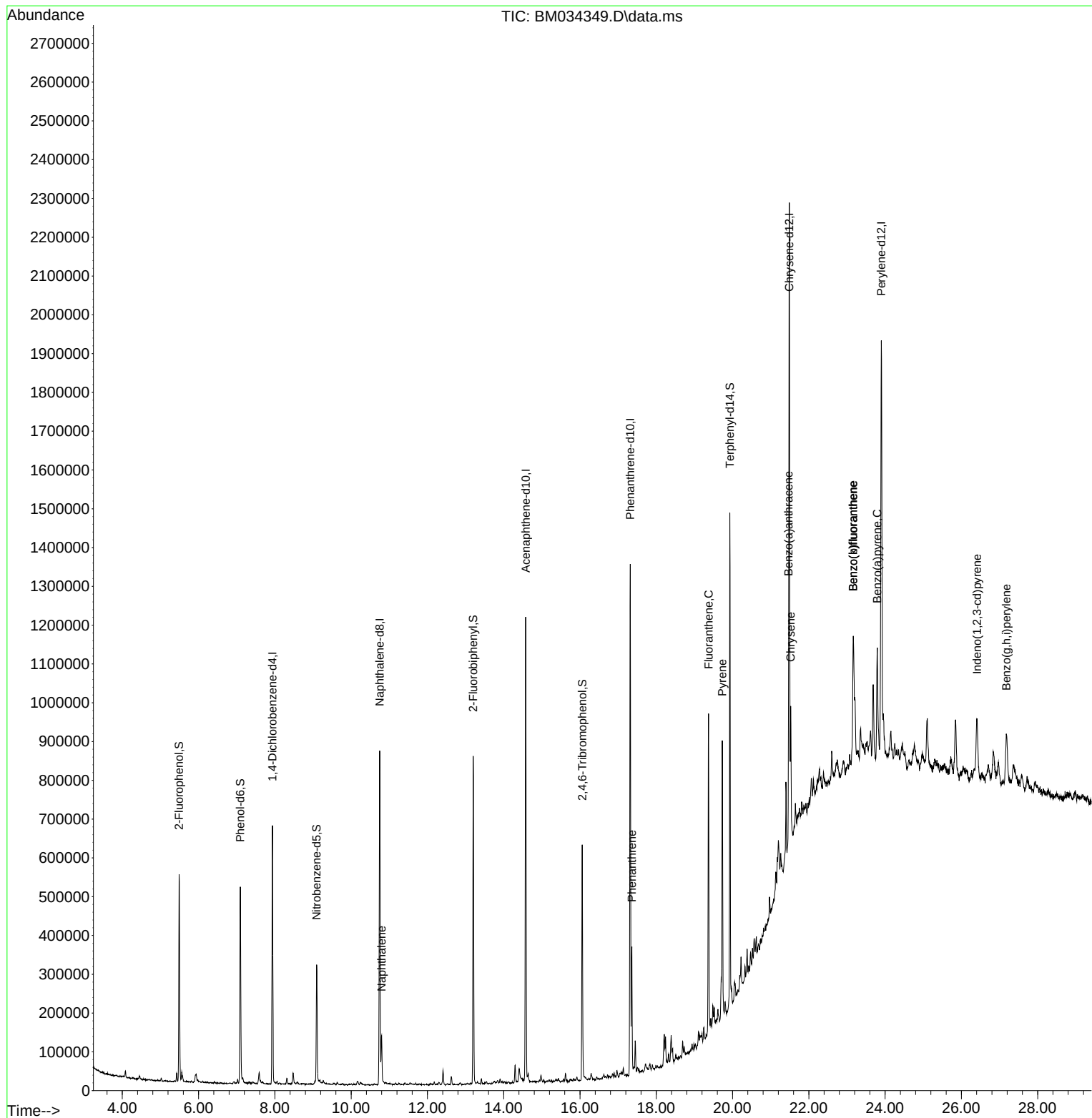
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.936  | 152  | 171630   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.748 | 136  | 684290   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.577 | 164  | 400950   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.318 | 188  | 771539   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.489 | 240  | 758806   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.900 | 264  | 831491   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.490  | 112  | 222369   | 23.243 | ng    | 0.00     |
| 7) Phenol-d6                | 7.095  | 99   | 287368   | 20.979 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.095  | 82   | 189693   | 13.497 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.059 | 330  | 103657   | 19.180 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.201 | 172  | 414757   | 14.135 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.930 | 244  | 598369   | 13.702 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.801 | 128  | 99781    | 2.799  | ng    | 99       |
| 71) Phenanthrene            | 17.359 | 178  | 184383   | 4.267  | ng    | 100      |
| 75) Fluoranthene            | 19.371 | 202  | 437982   | 9.042  | ng    | 98       |
| 78) Pyrene                  | 19.730 | 202  | 424278   | 7.936  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.471 | 228  | 215851   | 4.507  | ng    | 97       |
| 83) Chrysene                | 21.524 | 228  | 205719   | 4.206  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.412 | 276  | 155437   | 2.906  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.165 | 252  | 403898   | 8.123  | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 23.165 | 252  | 403898   | 7.668  | ng    | # 93     |
| 90) Benzo(a)pyrene          | 23.794 | 252  | 215975   | 5.124  | ng    | # 95     |
| 92) Benzo(g,h,i)perylene    | 27.182 | 276  | 164927   | 3.674  | ng    | 99       |
| -----                       |        |      |          |        |       |          |

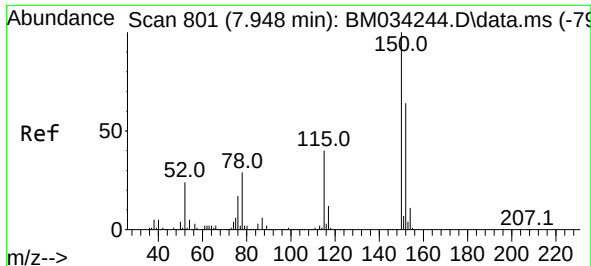
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032322\  
Data File : BM034349.D  
Acq On : 23 Mar 2022 21:21  
Operator : CG/JU  
Sample : N1958-03 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

Quant Time: Mar 24 02:43:40 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 24 02:40:59 2022  
Response via : Initial Calibration

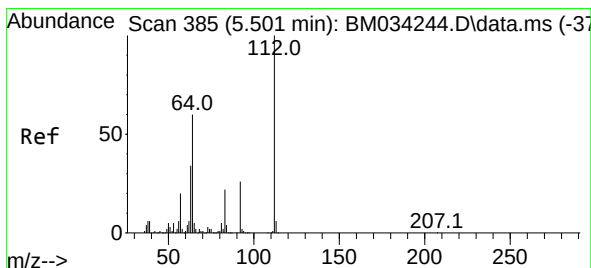
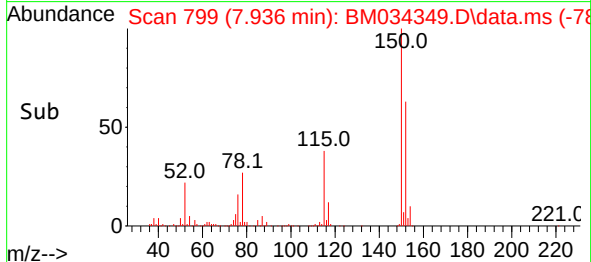
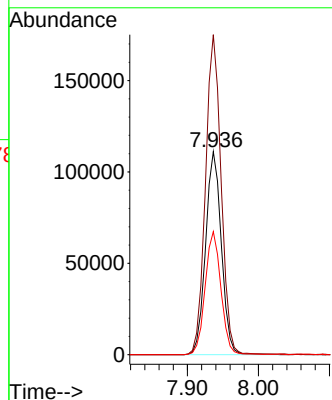
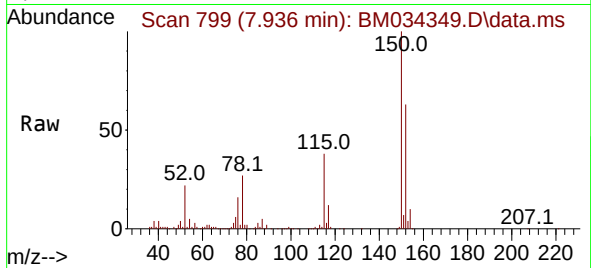




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.936 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

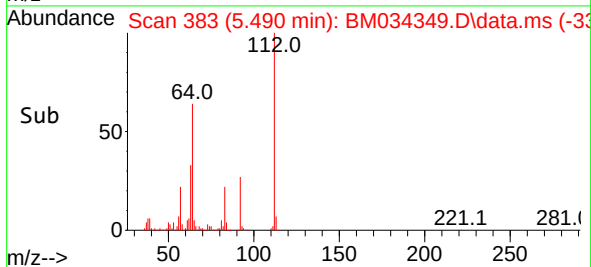
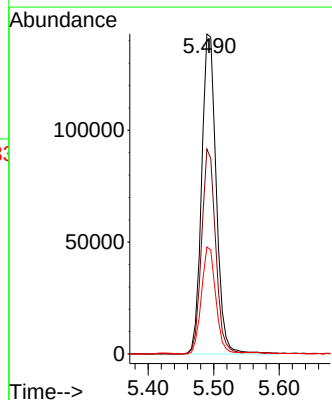
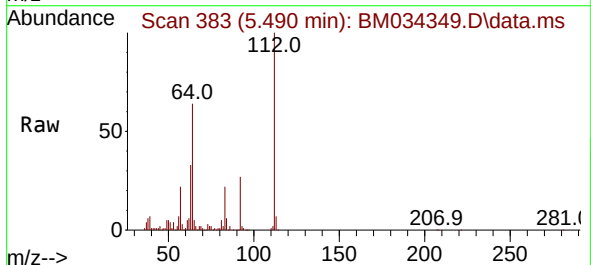
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

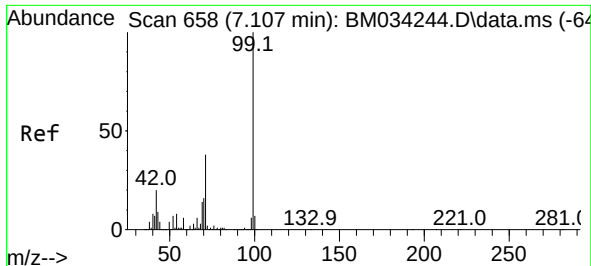
Tgt Ion:152 Resp: 171630  
Ion Ratio Lower Upper  
152 100  
150 157.6 125.4 188.2  
115 60.6 50.1 75.1



#5  
2-Fluorophenol  
Concen: 23.243 ng  
RT: 5.490 min Scan# 383  
Delta R.T. -0.000 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion:112 Resp: 222369  
Ion Ratio Lower Upper  
112 100  
64 64.0 47.9 71.9  
63 33.5 27.1 40.7

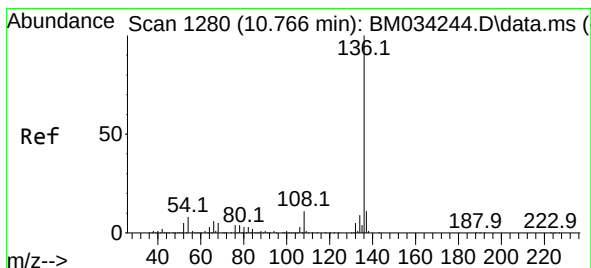
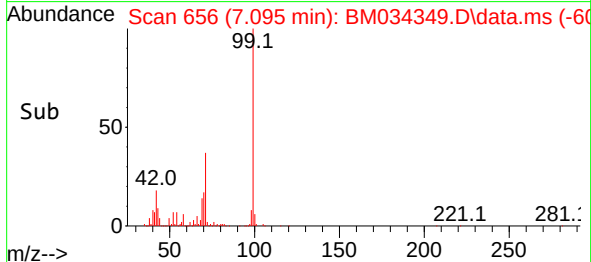
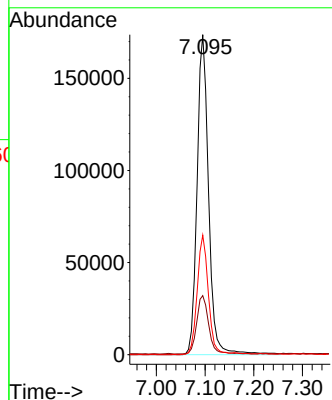
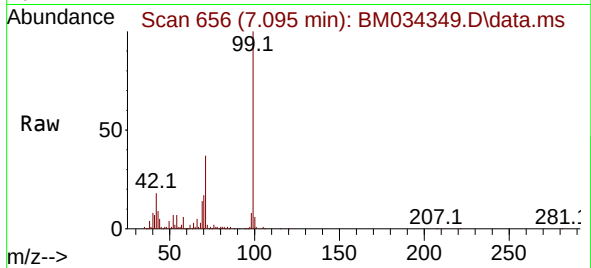




#7  
Phenol-d6  
Concen: 20.979 ng  
RT: 7.095 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

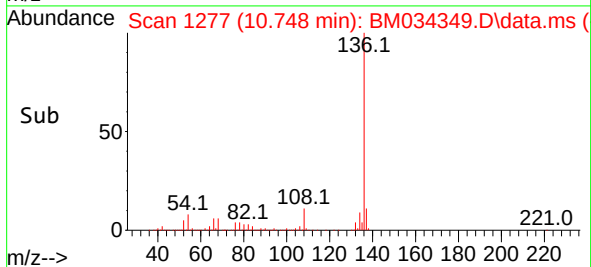
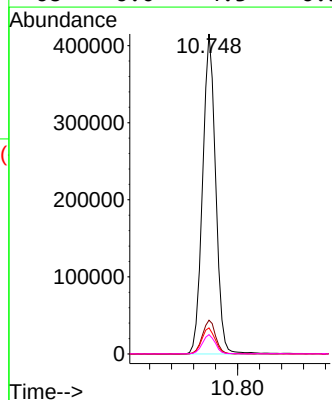
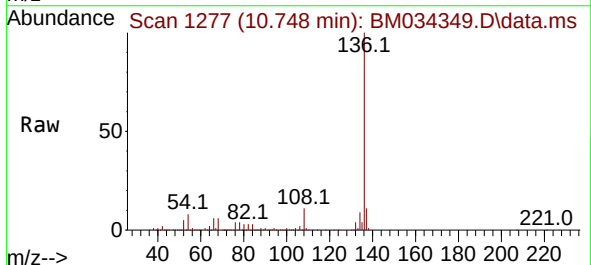
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

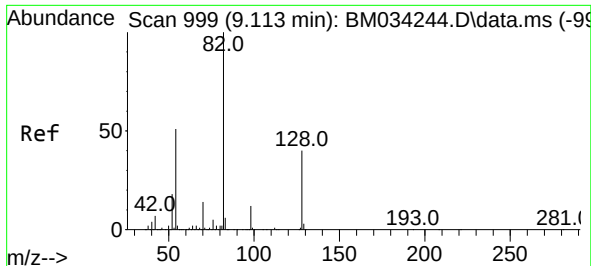
Tgt Ion: 99 Resp: 287368  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.6 23.4  
71 37.4 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.748 min Scan# 1277  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion: 136 Resp: 684290  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 8.2 6.2 9.4  
68 6.0 4.3 6.5

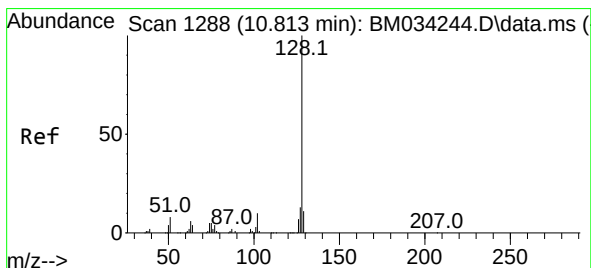
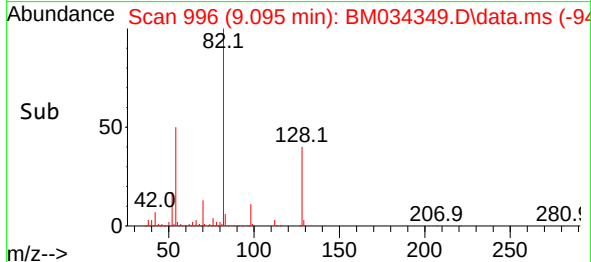
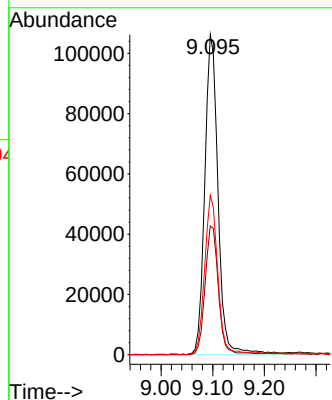
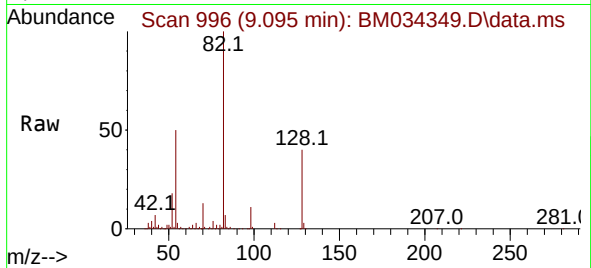




#23  
Nitrobenzene-d5  
Concen: 13.497 ng  
RT: 9.095 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

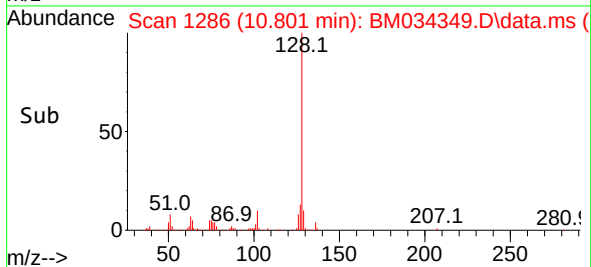
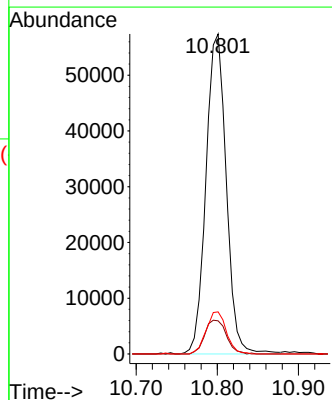
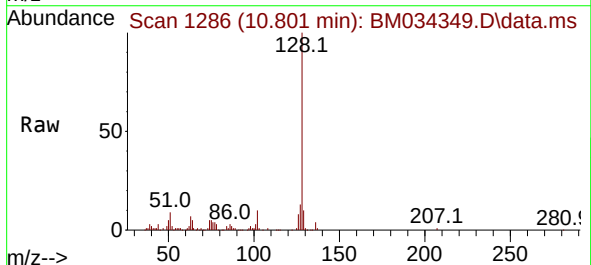
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

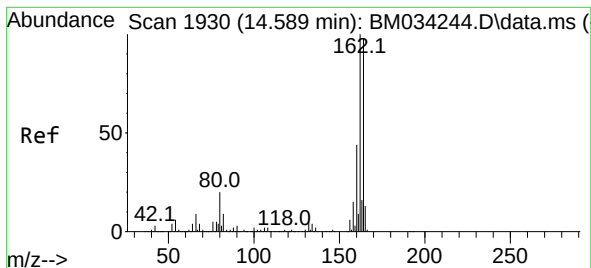
Tgt Ion: 82 Resp: 189693  
Ion Ratio Lower Upper  
82 100  
128 40.2 31.9 47.9  
54 49.9 40.6 61.0



#31  
Naphthalene  
Concen: 2.799 ng  
RT: 10.801 min Scan# 1286  
Delta R.T. -0.000 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion: 128 Resp: 99781  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.8 13.2  
127 13.1 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BM034349.D

Acq: 23 Mar 2022 21:21

Instrument :

BNA\_M

ClientSampleId :

C-3-2-3

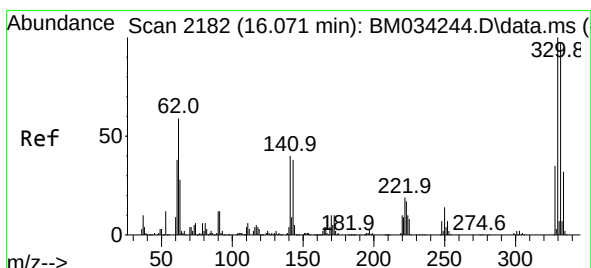
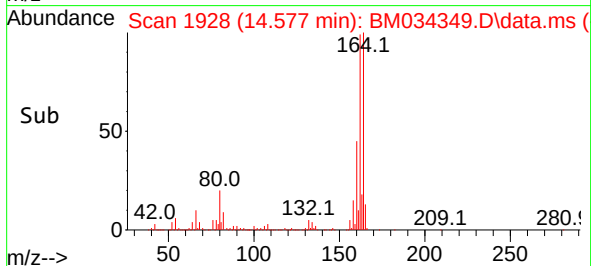
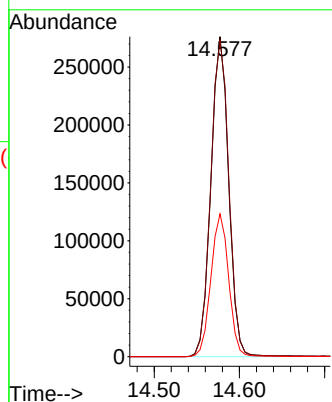
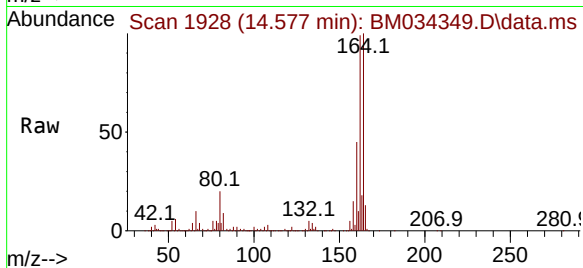
Tgt Ion:164 Resp: 400950

Ion Ratio Lower Upper

164 100

162 98.9 81.6 122.4

160 44.6 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 19.180 ng

RT: 16.059 min Scan# 2180

Delta R.T. -0.006 min

Lab File: BM034349.D

Acq: 23 Mar 2022 21:21

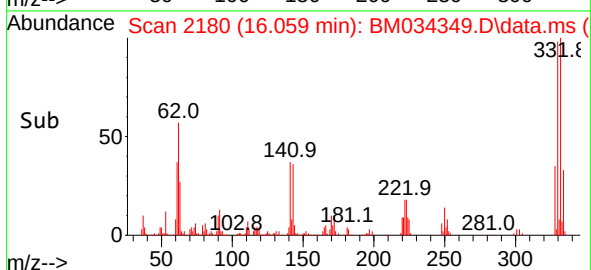
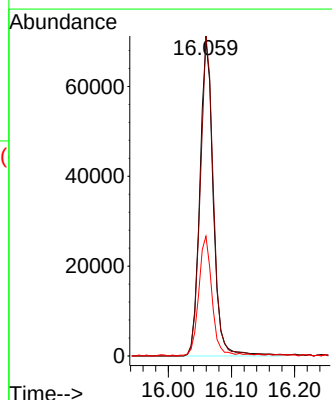
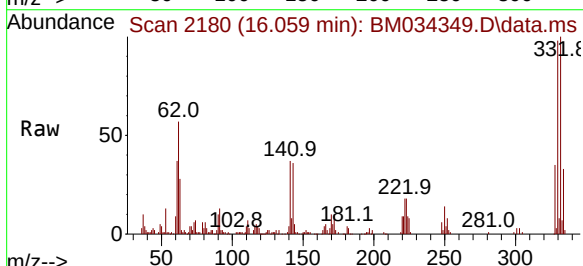
Tgt Ion:330 Resp: 103657

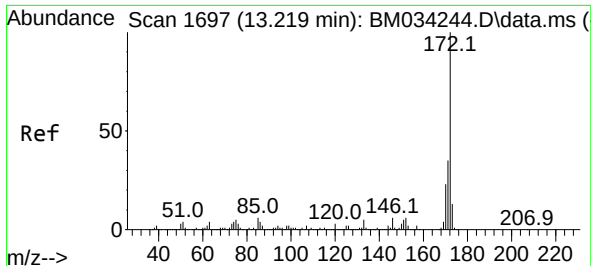
Ion Ratio Lower Upper

330 100

332 98.6 78.2 117.4

141 38.3 30.6 45.8

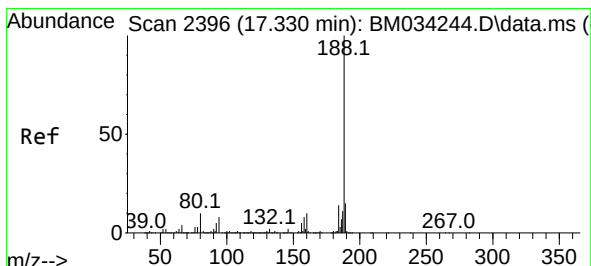
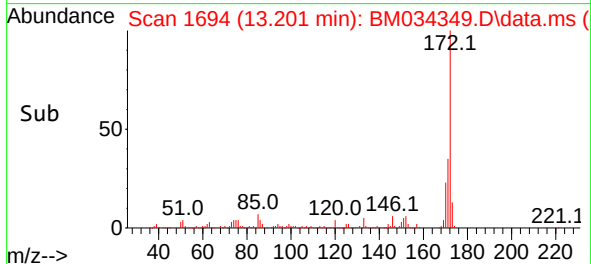
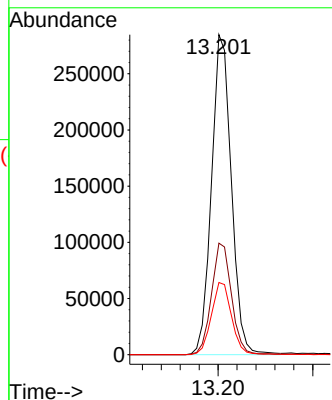
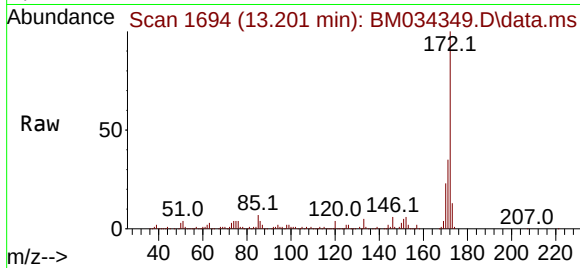




#45  
2-Fluorobiphenyl  
Concen: 14.135 ng  
RT: 13.201 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

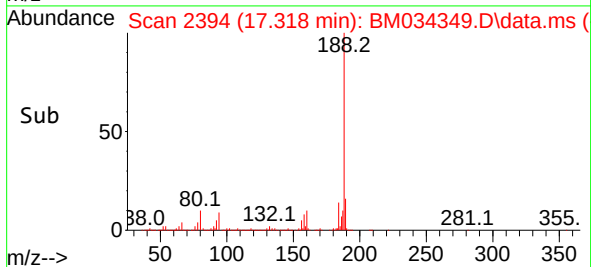
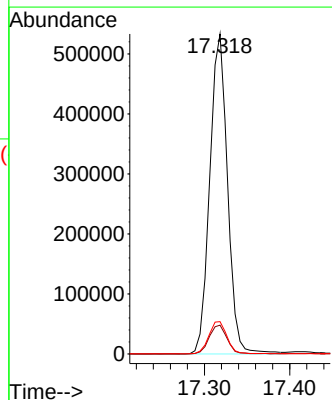
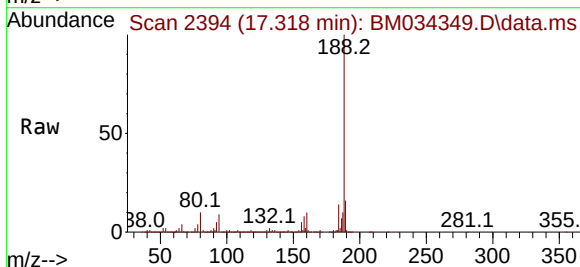
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

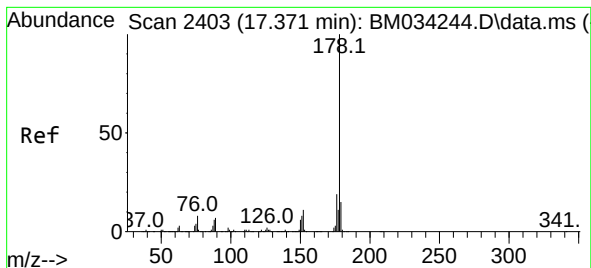
Tgt Ion:172 Resp: 414757  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.0 42.0  
170 22.5 18.6 28.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.318 min Scan# 2394  
Delta R.T. -0.000 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion:188 Resp: 771539  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.6 9.8  
80 10.1 7.8 11.8





#71

Phenanthrene

Concen: 4.267 ng

RT: 17.359 min Scan# 2401

Delta R.T. -0.006 min

Lab File: BM034349.D

Acq: 23 Mar 2022 21:21

Instrument :

BNA\_M

ClientSampleId :

C-3-2-3

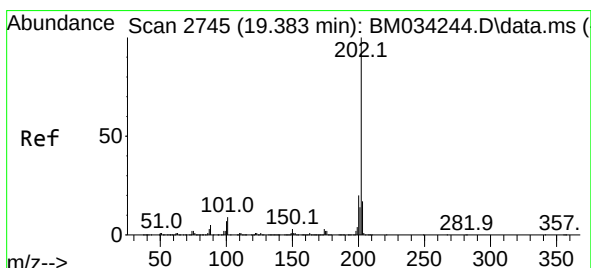
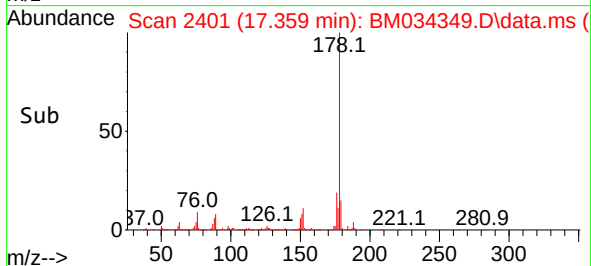
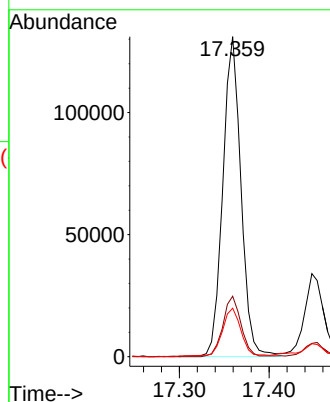
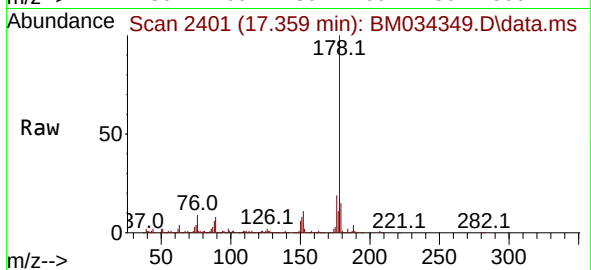
Tgt Ion:178 Resp: 184383

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.2 12.2 18.4



#75

Fluoranthene

Concen: 9.042 ng

RT: 19.371 min Scan# 2743

Delta R.T. -0.006 min

Lab File: BM034349.D

Acq: 23 Mar 2022 21:21

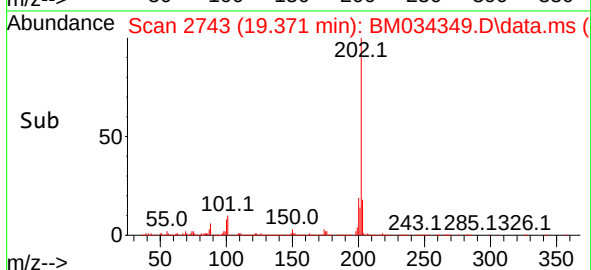
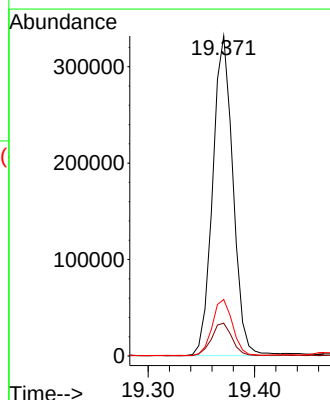
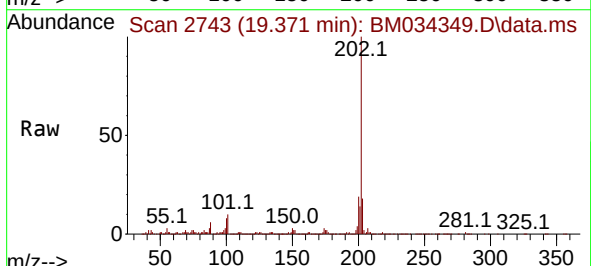
Tgt Ion:202 Resp: 437982

Ion Ratio Lower Upper

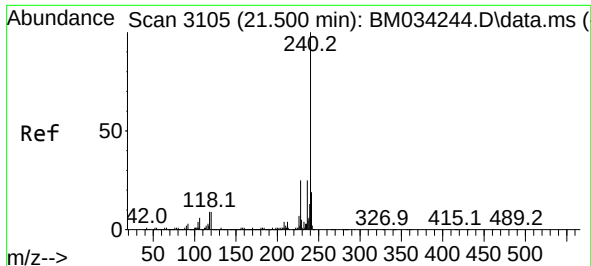
202 100

101 10.3 0.0 29.4

203 17.7 0.0 37.1



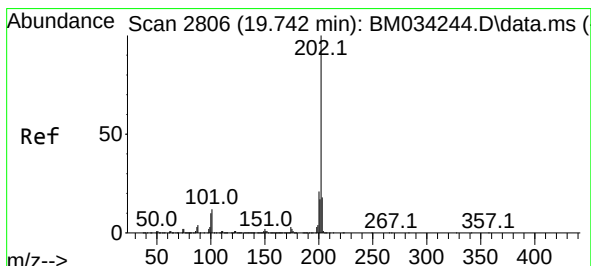
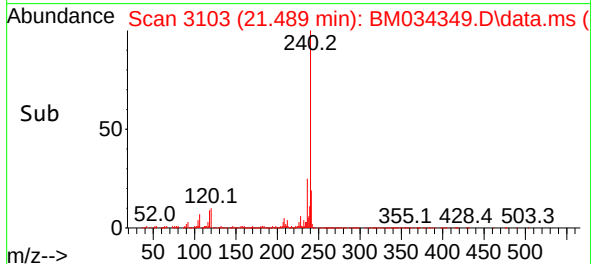
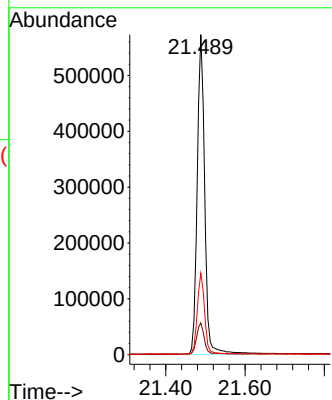
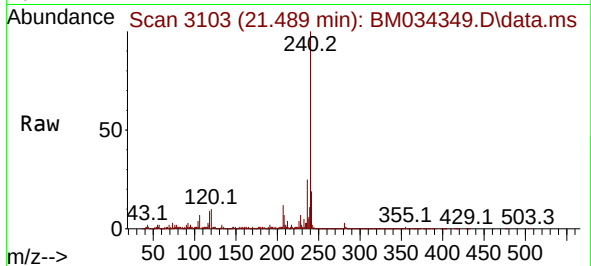




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.489 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

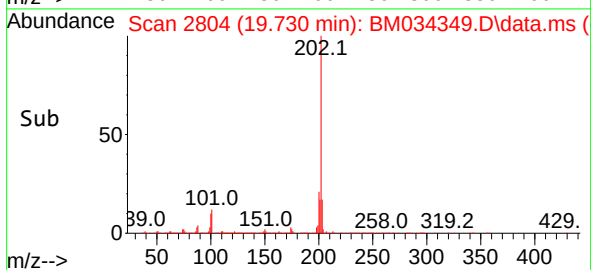
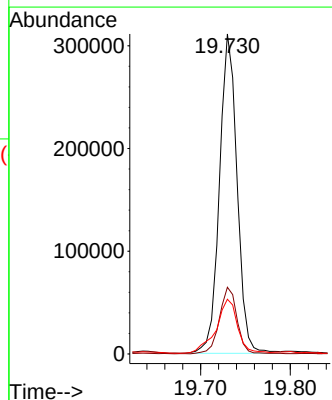
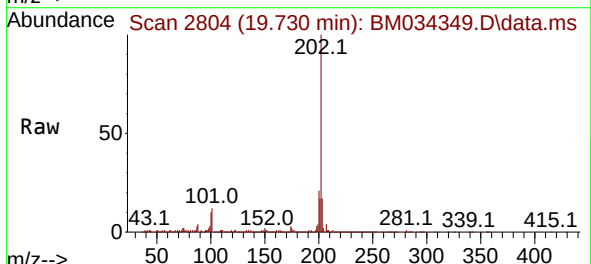
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

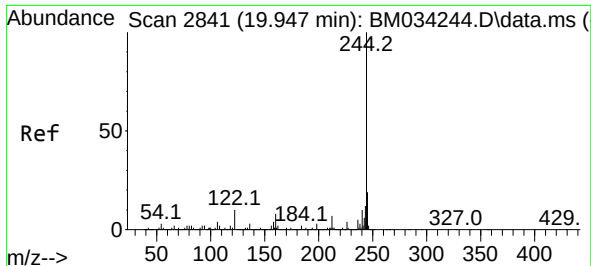
Tgt Ion:240 Resp: 758806  
Ion Ratio Lower Upper  
240 100  
120 10.0 7.3 10.9  
236 25.4 20.2 30.2



#78  
Pyrene  
Concen: 7.936 ng  
RT: 19.730 min Scan# 2804  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion:202 Resp: 424278  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 24.8  
203 17.1 14.1 21.1

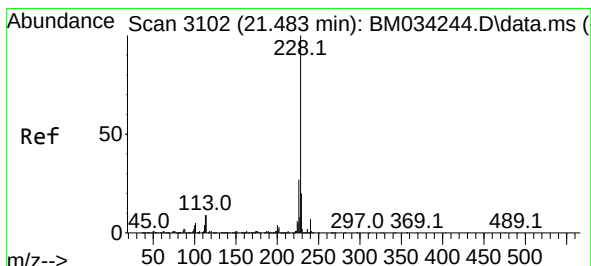
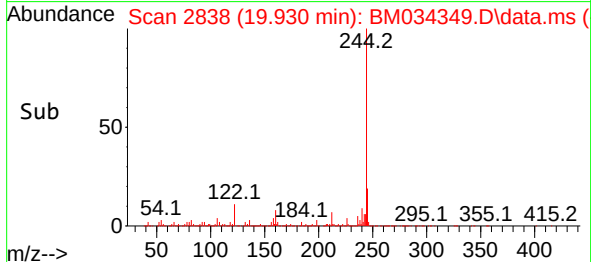
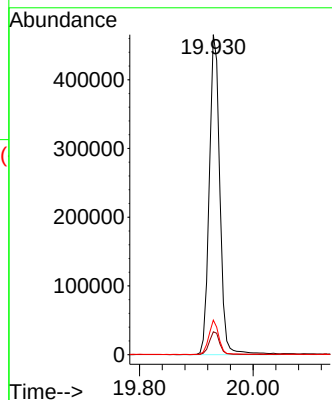
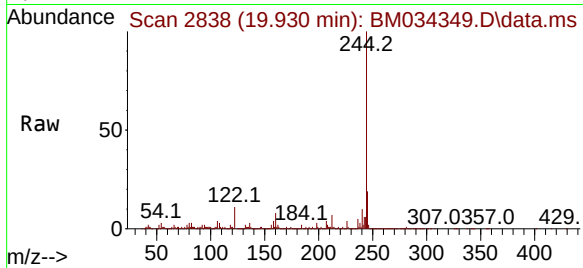




#79  
 Terphenyl-d14  
 Concen: 13.702 ng  
 RT: 19.930 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM034349.D  
 Acq: 23 Mar 2022 21:21

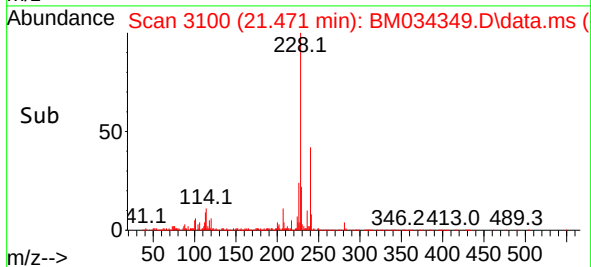
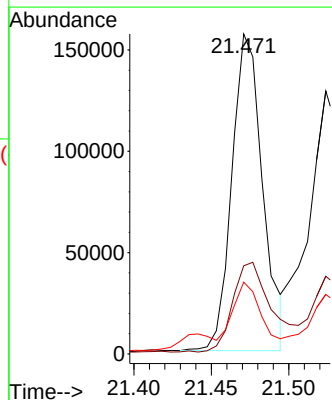
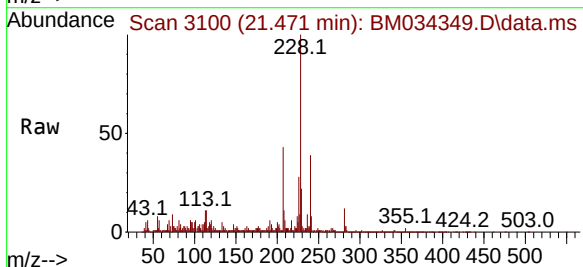
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C-3-2-3

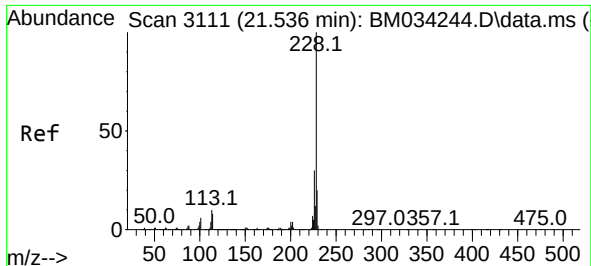
Tgt Ion:244 Resp: 598369  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 10.8 7.8 11.8



#81  
 Benzo(a)anthracene  
 Concen: 4.507 ng  
 RT: 21.471 min Scan# 3100  
 Delta R.T. -0.006 min  
 Lab File: BM034349.D  
 Acq: 23 Mar 2022 21:21

Tgt Ion:228 Resp: 215851  
 Ion Ratio Lower Upper  
 228 100  
 226 27.6 21.6 32.4  
 229 22.5 15.8 23.6

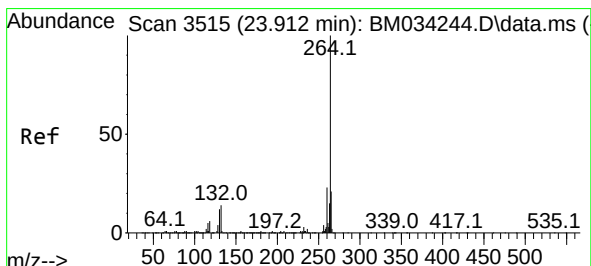
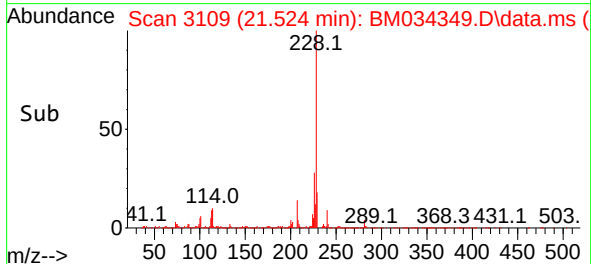
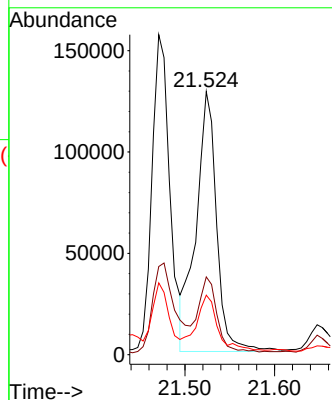
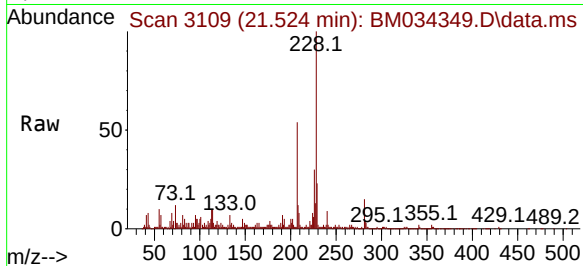




#83  
Chrysene  
Concen: 4.206 ng  
RT: 21.524 min Scan# 3111  
Delta R.T. -0.012 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

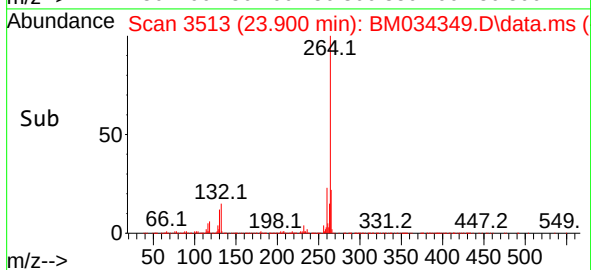
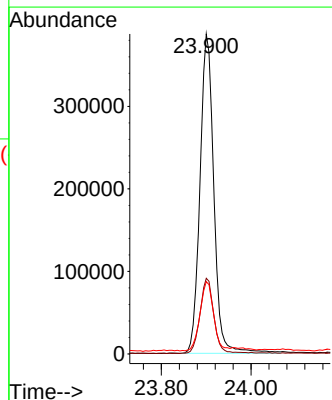
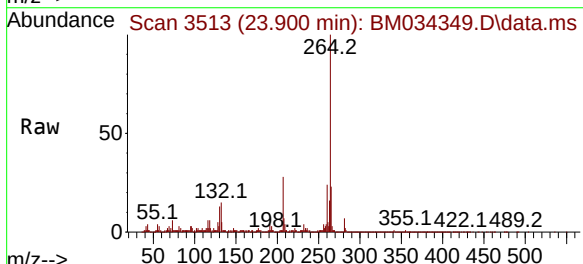
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

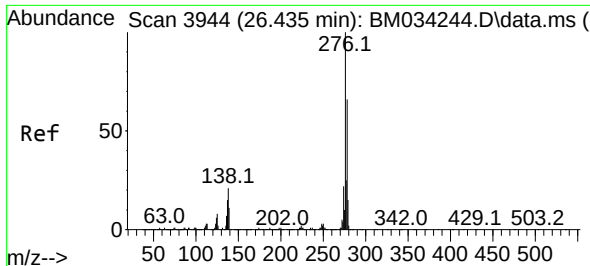
Tgt Ion:228 Resp: 205719  
Ion Ratio Lower Upper  
228 100  
226 29.6 23.8 35.6  
229 22.6 15.6 23.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.900 min Scan# 3513  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion:264 Resp: 831491  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.6 28.0  
265 22.6 17.6 26.4

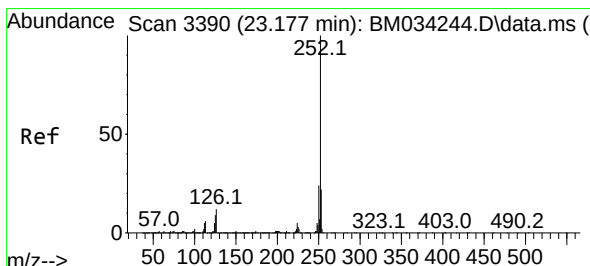
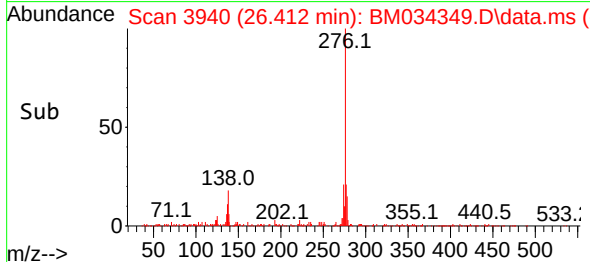
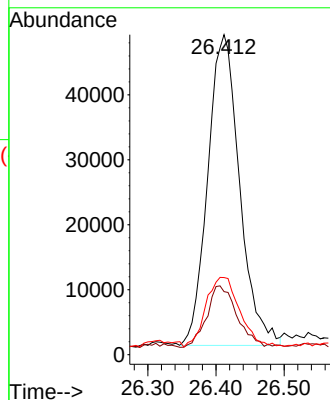
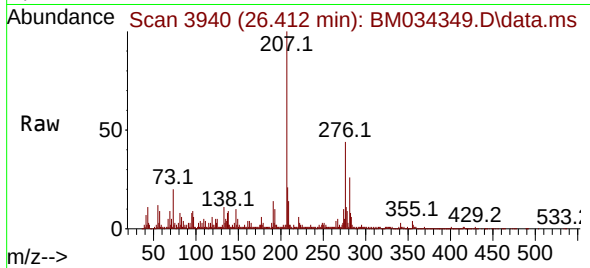




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.906 ng  
 RT: 26.412 min Scan# 3940  
 Delta R.T. -0.012 min  
 Lab File: BM034349.D  
 Acq: 23 Mar 2022 21:21

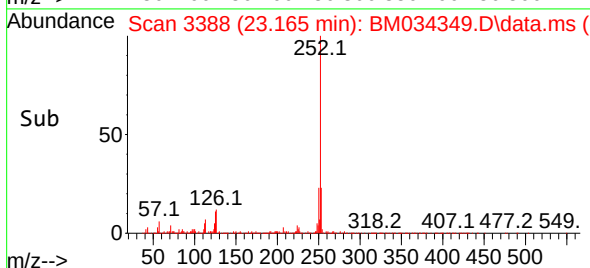
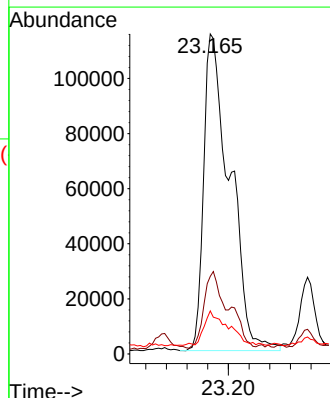
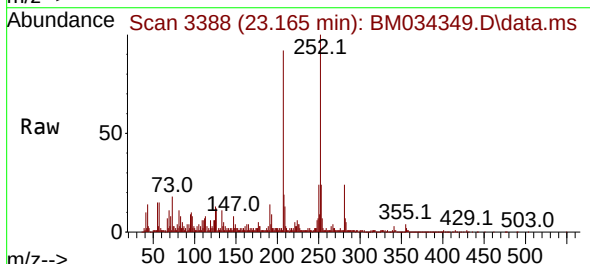
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C-3-2-3

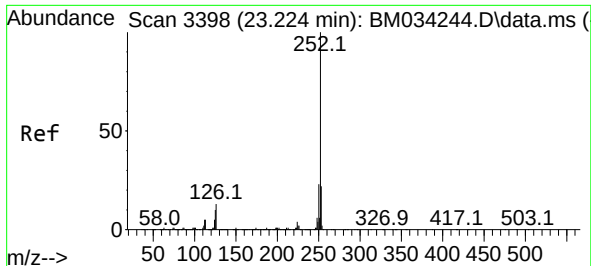
Tgt Ion:276 Resp: 155437  
 Ion Ratio Lower Upper  
 276 100  
 138 19.2 16.6 25.0  
 277 23.8 19.8 29.6



#88  
 Benzo(b)fluoranthene  
 Concen: 8.123 ng  
 RT: 23.165 min Scan# 3388  
 Delta R.T. -0.006 min  
 Lab File: BM034349.D  
 Acq: 23 Mar 2022 21:21

Tgt Ion:252 Resp: 403898  
 Ion Ratio Lower Upper  
 252 100  
 253 24.3 17.8 26.8  
 125 13.5 7.2 10.8#

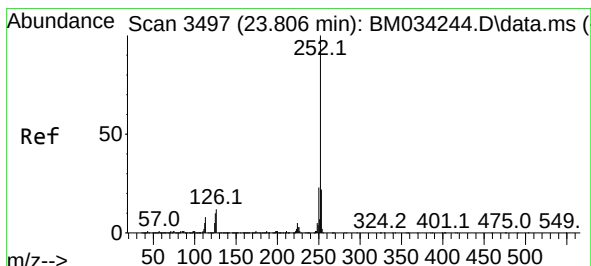
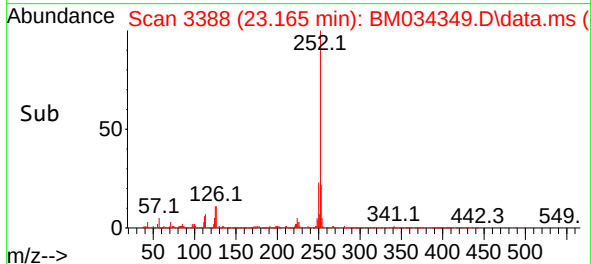
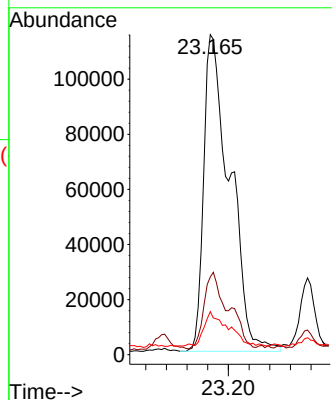
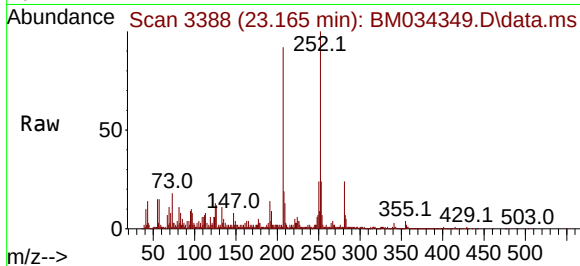




#89  
Benzo(k)fluoranthene  
Concen: 7.668 ng  
RT: 23.165 min Scan# 31  
Delta R.T. -0.059 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

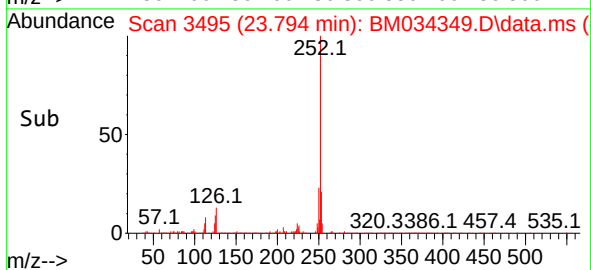
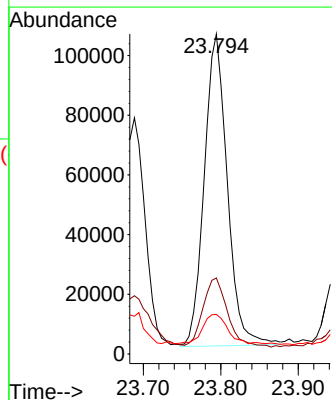
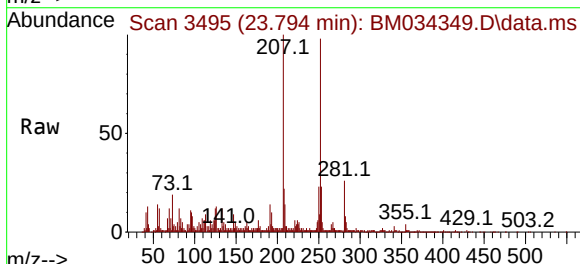
Instrument :  
BNA\_M  
ClientSampleId :  
C-3-2-3

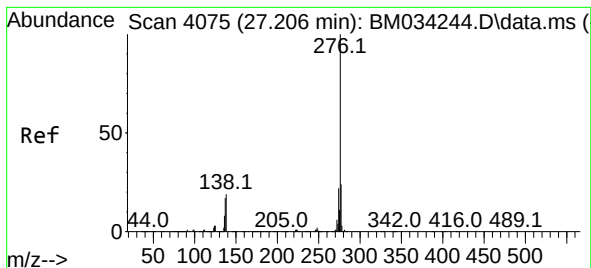
Tgt Ion:252 Resp: 403898  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.6 26.4  
125 13.5 7.5 11.3#



#90  
Benzo(a)pyrene  
Concen: 5.124 ng  
RT: 23.794 min Scan# 3495  
Delta R.T. -0.006 min  
Lab File: BM034349.D  
Acq: 23 Mar 2022 21:21

Tgt Ion:252 Resp: 215975  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.5 26.3  
125 12.3 7.8 11.6#





#92

Benzo(g,h,i)perylene

Concen: 3.674 ng

RT: 27.182 min Scan# 40

Delta R.T. -0.018 min

Lab File: BM034349.D

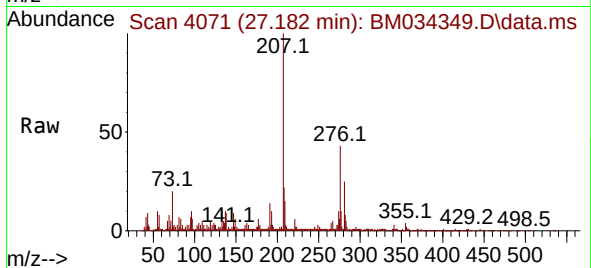
Acq: 23 Mar 2022 21:21

Instrument :

BNA\_M

ClientSampleId :

C-3-2-3



Tgt Ion:276 Resp: 164927

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 20.6 15.6 23.4

