

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032322\  
 Data File : BM034353.D  
 Acq On : 23 Mar 2022 23:45  
 Operator : CG/JU  
 Sample : N1958-07 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C-7-6-7

Quant Time: Mar 24 02:44:09 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

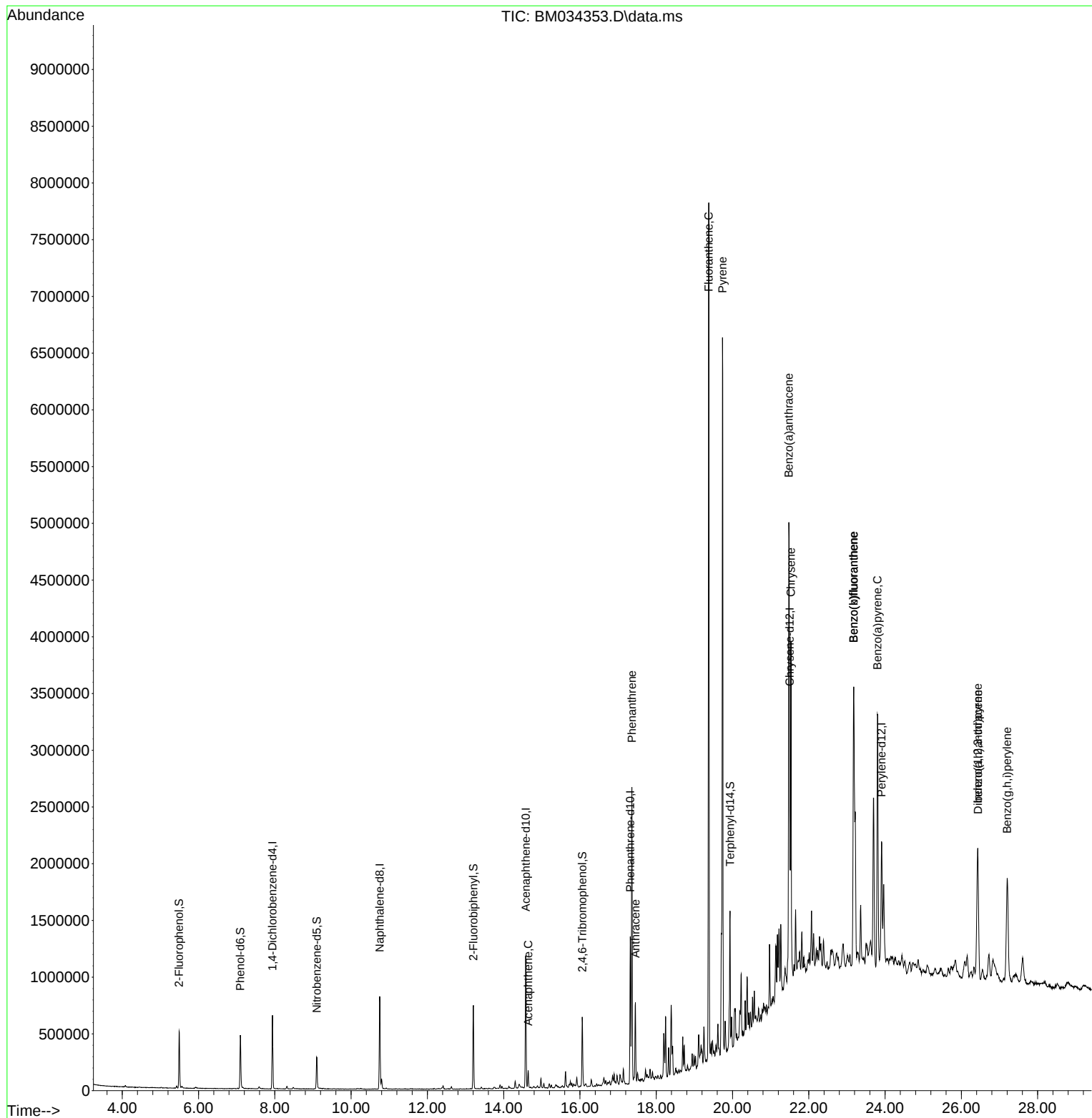
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.937  | 152  | 170101   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.748 | 136  | 662012   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.578 | 164  | 384255   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.319 | 188  | 737675   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.495 | 240  | 723992   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.906 | 264  | 831025   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.490  | 112  | 211750   | 22.332 | ng    | 0.00     |
| 7) Phenol-d6                | 7.096  | 99   | 265733   | 19.574 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.101  | 82   | 177135   | 13.027 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.060 | 330  | 97818    | 18.886 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.207 | 172  | 382089   | 13.588 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.936 | 244  | 539789   | 12.955 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 52) Acenaphthene            | 14.642 | 154  | 53159    | 2.252  | ng    | 100      |
| 71) Phenanthrene            | 17.360 | 178  | 1496778  | 36.232 | ng    | 100      |
| 72) Anthracene              | 17.454 | 178  | 430082   | 10.696 | ng    | 99       |
| 75) Fluoranthene            | 19.377 | 202  | 4156894  | 89.760 | ng    | 98       |
| 78) Pyrene                  | 19.736 | 202  | 3782155  | 74.146 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.477 | 228  | 1845539  | 40.388 | ng    | 98       |
| 83) Chrysene                | 21.530 | 228  | 1608806  | 34.477 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.430 | 276  | 1215086  | 22.729 | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 23.177 | 252  | 2301868  | 46.321 | ng    | 98       |
| 89) Benzo(k)fluoranthene    | 23.177 | 252  | 2301868  | 43.728 | ng    | 98       |
| 90) Benzo(a)pyrene          | 23.801 | 252  | 1782848  | 42.321 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene  | 26.436 | 278  | 291780   | 6.731  | ng    | # 85     |
| 92) Benzo(g,h,i)perylene    | 27.200 | 276  | 1234820  | 27.522 | ng    | 99       |
| -----                       |        |      |          |        |       |          |

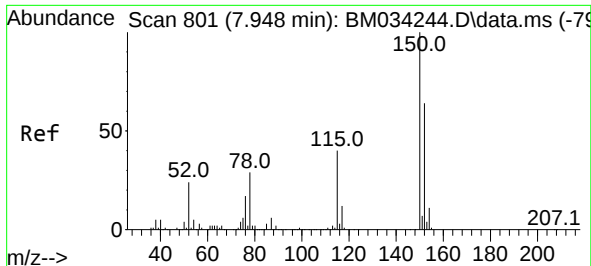
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032322\  
Data File : BM034353.D  
Acq On : 23 Mar 2022 23:45  
Operator : CG/JU  
Sample : N1958-07 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

Quant Time: Mar 24 02:44:09 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

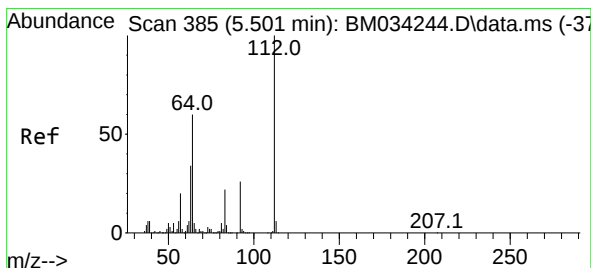
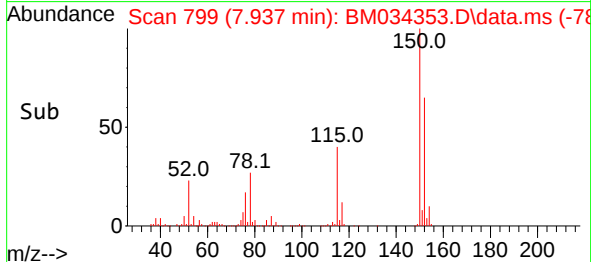
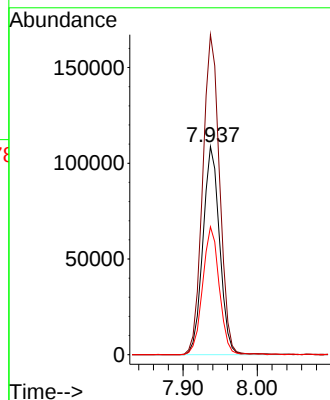
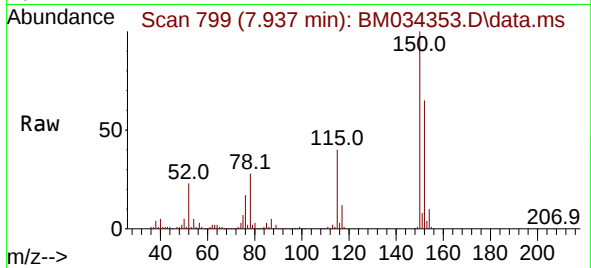




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.937 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

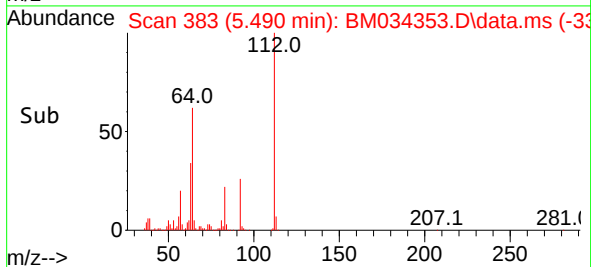
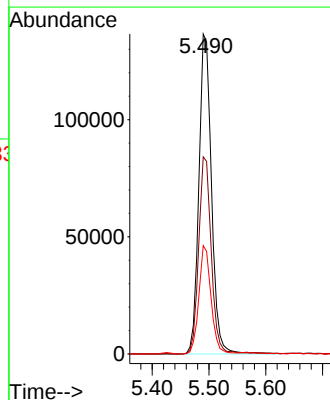
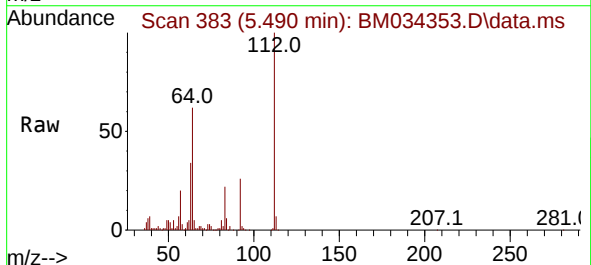
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

Tgt Ion:152 Resp: 170101  
Ion Ratio Lower Upper  
152 100  
150 153.7 125.4 188.2  
115 61.4 50.1 75.1



#5  
2-Fluorophenol  
Concen: 22.332 ng  
RT: 5.490 min Scan# 383  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:112 Resp: 211750  
Ion Ratio Lower Upper  
112 100  
64 61.6 47.9 71.9  
63 33.9 27.1 40.7

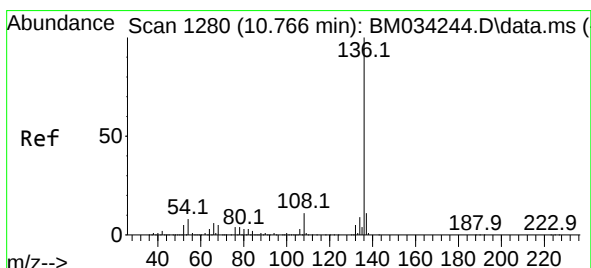
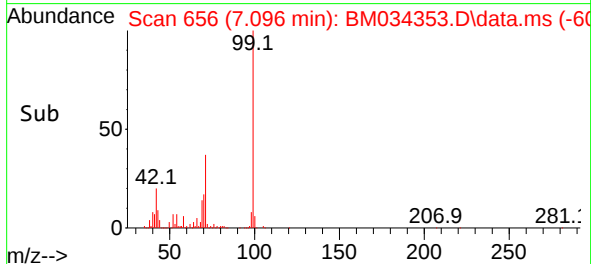
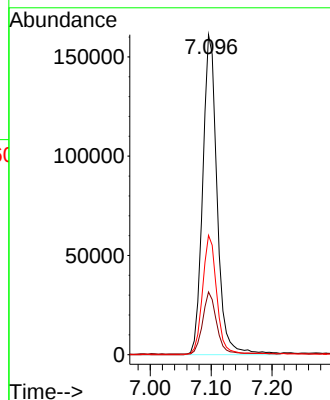
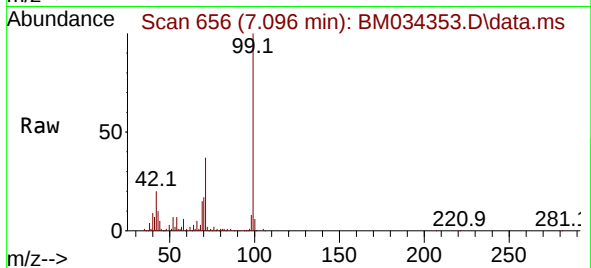




#7  
Phenol-d6  
Concen: 19.574 ng  
RT: 7.096 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

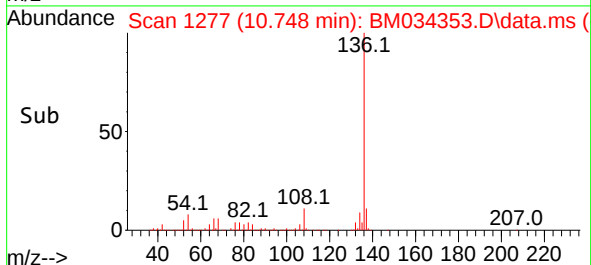
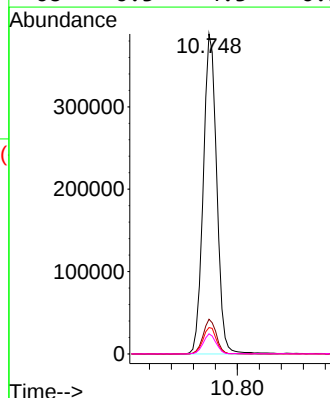
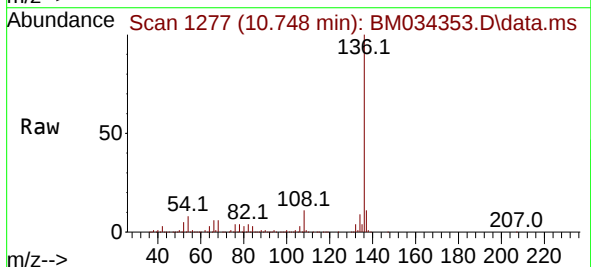
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

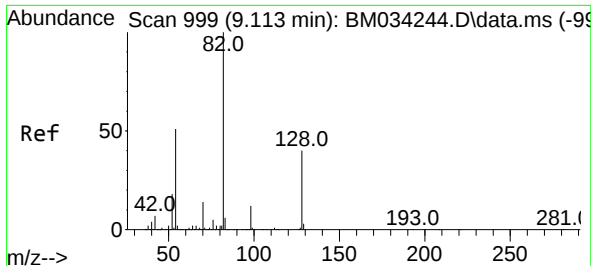
Tgt Ion: 99 Resp: 265733  
Ion Ratio Lower Upper  
99 100  
42 19.6 15.6 23.4  
71 37.3 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.748 min Scan# 1277  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion: 136 Resp: 662012  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 8.3 6.2 9.4  
68 6.3 4.3 6.5

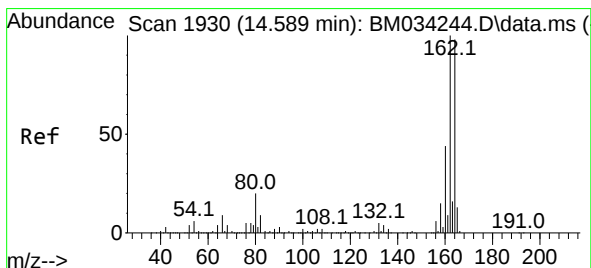
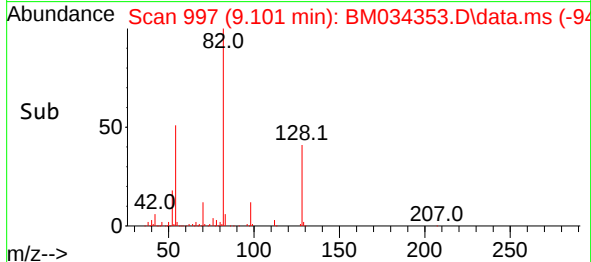
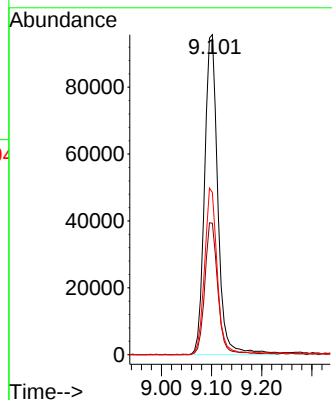
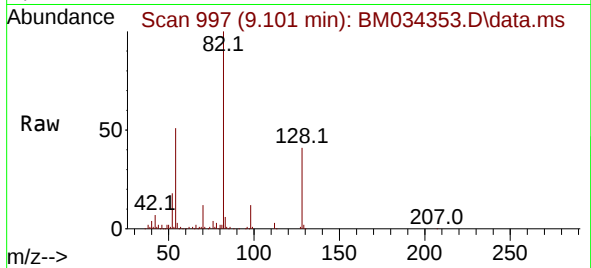




#23  
Nitrobenzene-d5  
Concen: 13.027 ng  
RT: 9.101 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

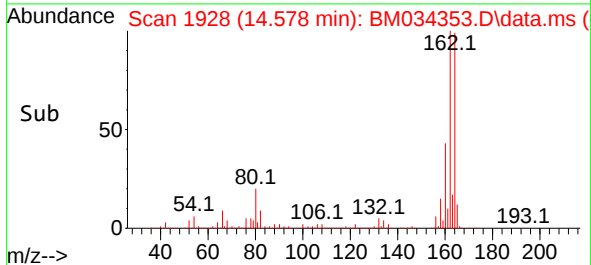
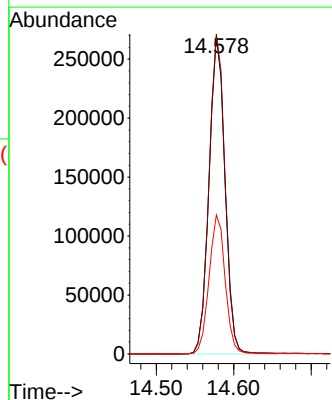
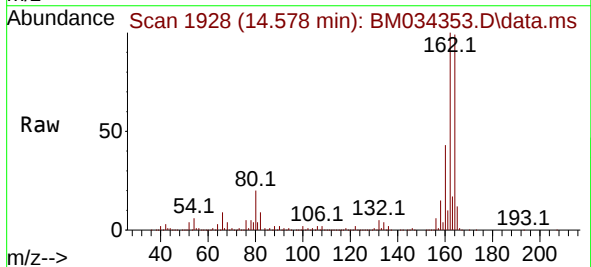
Instrument :  
BNA\_M  
ClientSampleId :  
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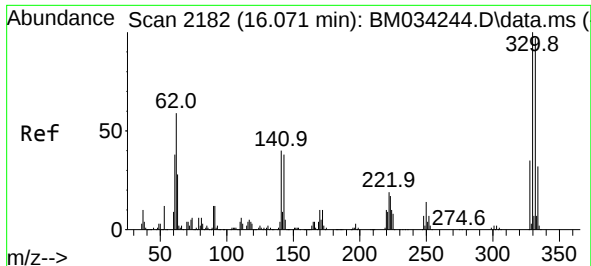
Tgt Ion: 82 Resp: 177135  
Ion Ratio Lower Upper  
82 100  
128 41.1 31.9 47.9  
54 50.7 40.6 61.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.578 min Scan# 1928  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion: 164 Resp: 384255  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.6 122.4  
160 43.8 35.6 53.4

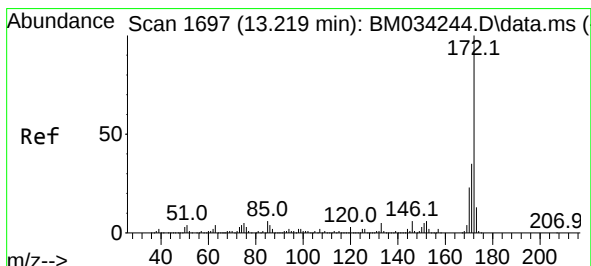
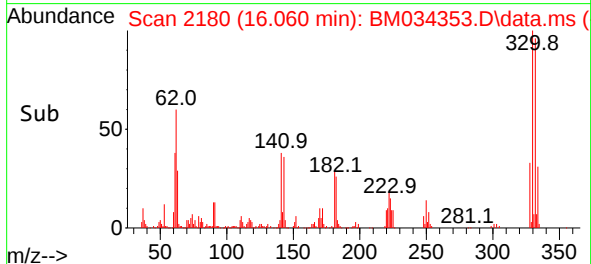
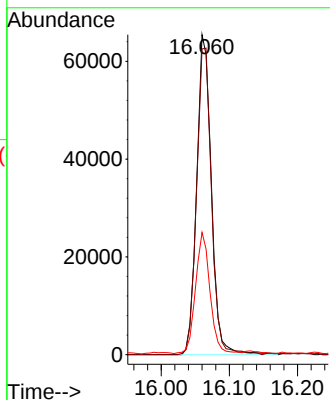
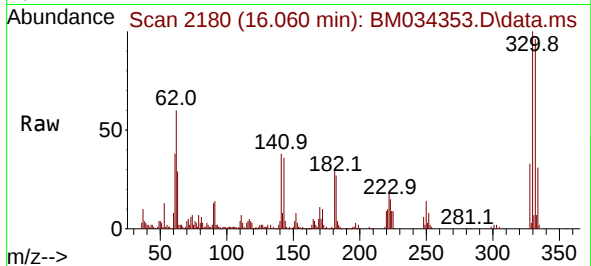




#42  
2,4,6-Tribromophenol  
Concen: 18.886 ng  
RT: 16.060 min Scan# 2182  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

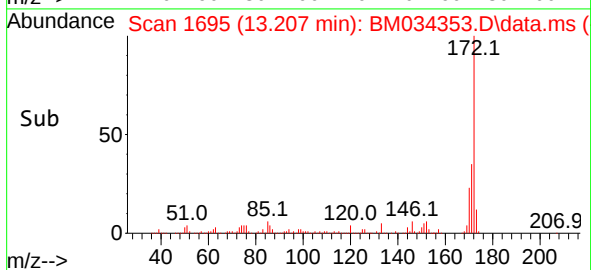
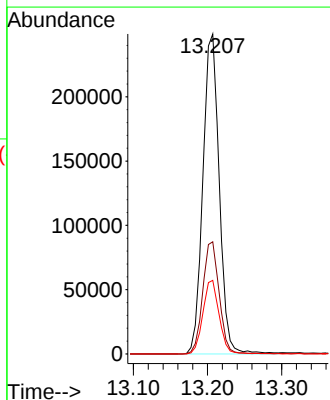
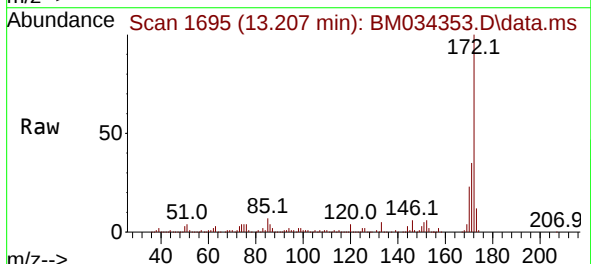
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ClientSampleId :  
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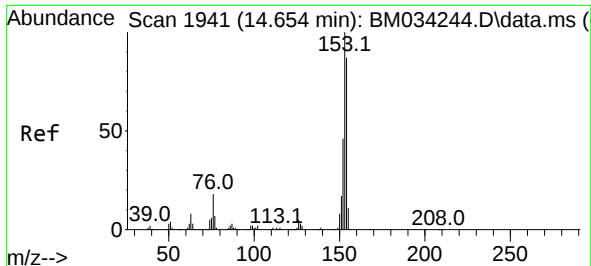
Tgt Ion:330 Resp: 97818  
Ion Ratio Lower Upper  
330 100  
332 97.2 78.2 117.4  
141 37.1 30.6 45.8



#45  
2-Fluorobiphenyl  
Concen: 13.588 ng  
RT: 13.207 min Scan# 1695  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:172 Resp: 382089  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.0 42.0  
170 23.0 18.6 28.0

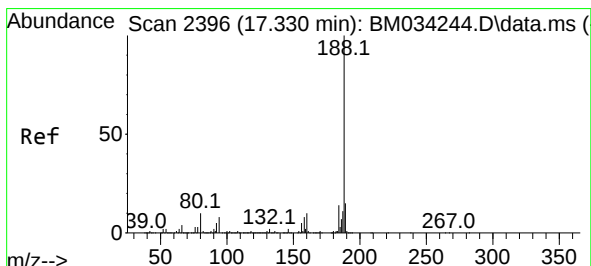
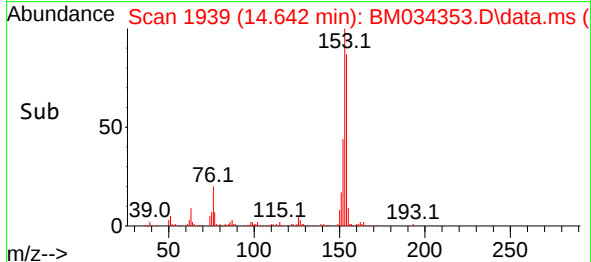
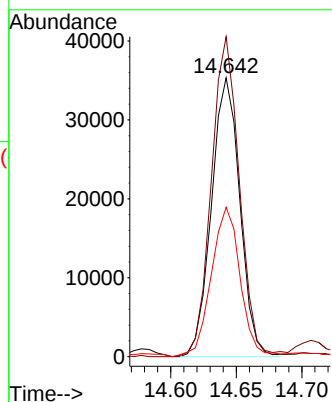
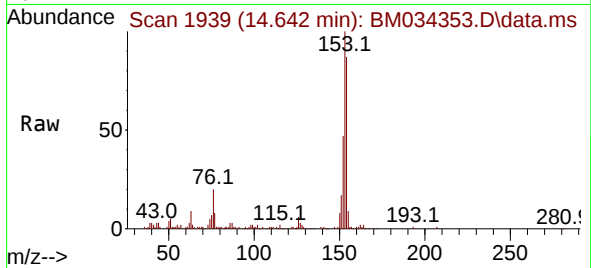




#52  
Acenaphthene  
Concen: 2.252 ng  
RT: 14.642 min Scan# 1941  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

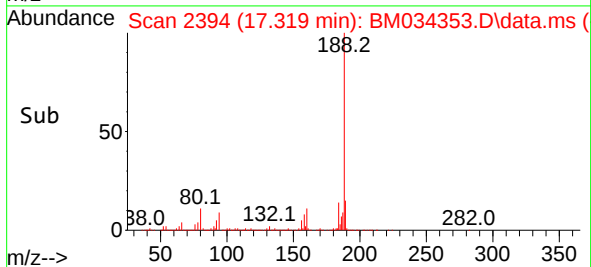
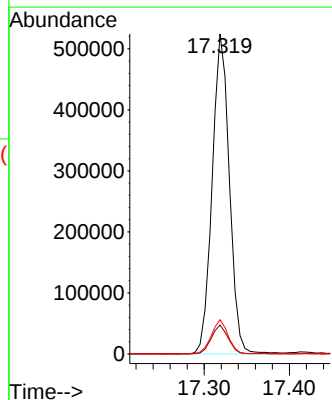
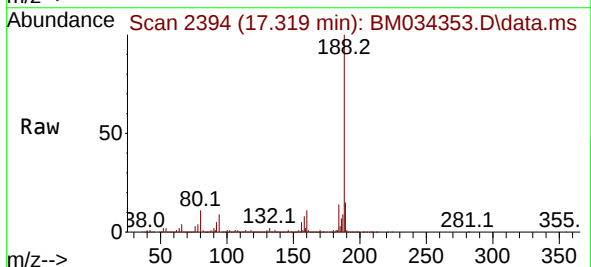
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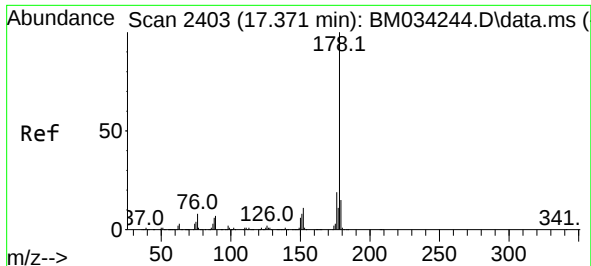
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Ion Ratio Lower Upper  
154 100  
153 114.7 91.8 137.8  
152 53.6 42.6 64.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.319 min Scan# 2394  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:188 Resp: 737675  
Ion Ratio Lower Upper  
188 100  
94 9.1 6.6 9.8  
80 10.7 7.8 11.8

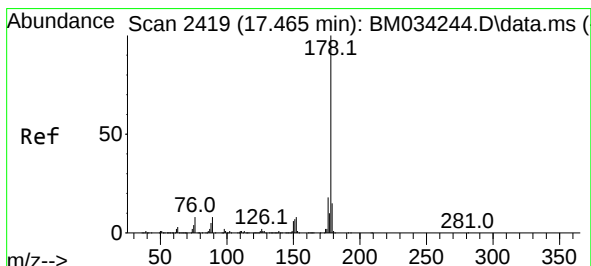
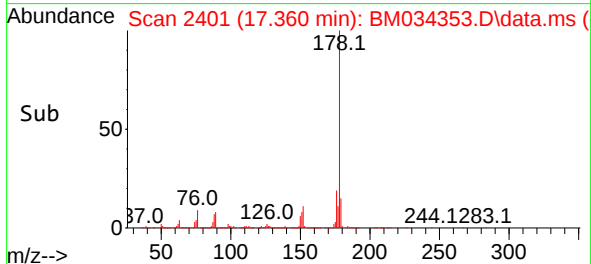
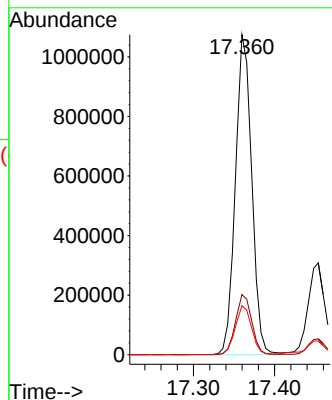
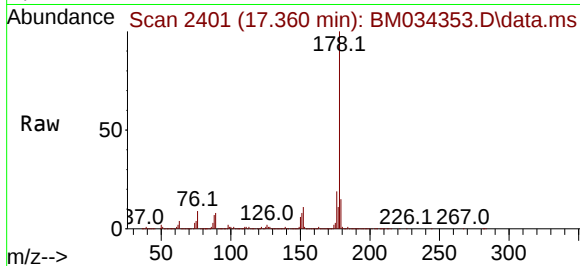




#71  
Phenanthrene  
Concen: 36.232 ng  
RT: 17.360 min Scan# 2403  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

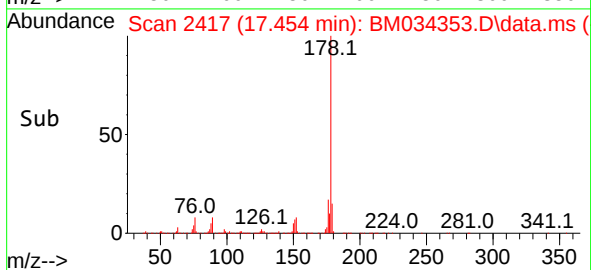
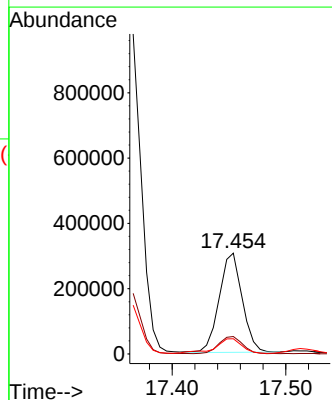
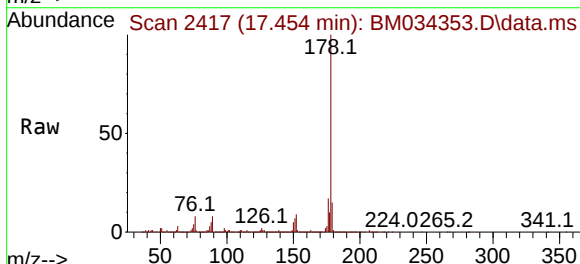
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BNA\_M  
ClientSampleId :  
C-7-6-7

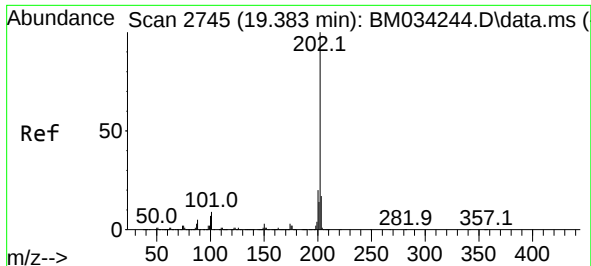
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Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.3 12.2 18.4



#72  
Anthracene  
Concen: 10.696 ng  
RT: 17.454 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:178 Resp: 430082  
Ion Ratio Lower Upper  
178 100  
176 17.2 14.6 22.0  
179 15.0 12.2 18.2

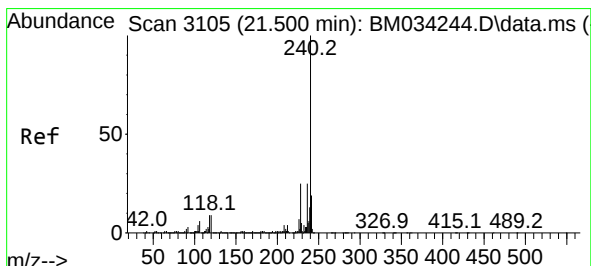
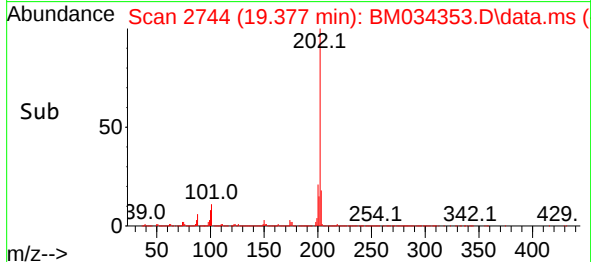
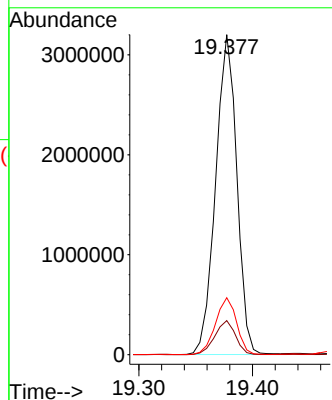
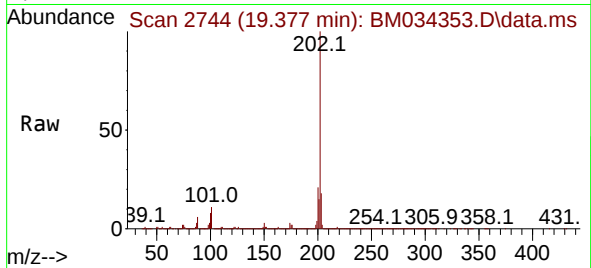




#75  
Fluoranthene  
Concen: 89.760 ng  
RT: 19.377 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

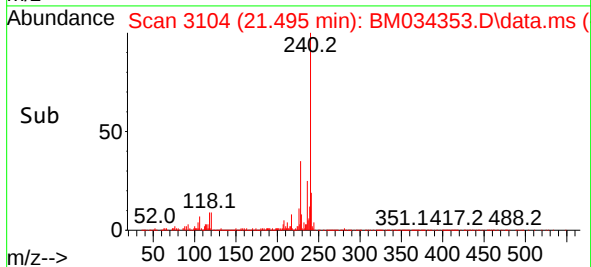
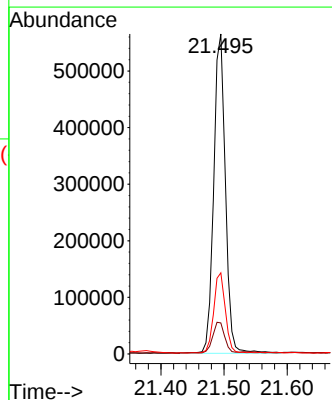
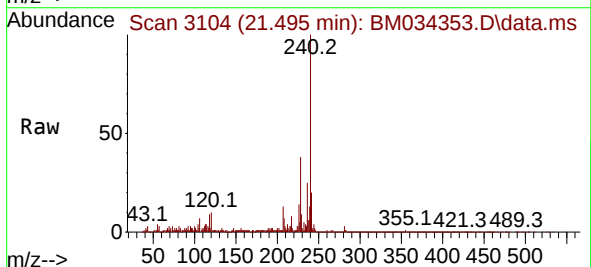
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

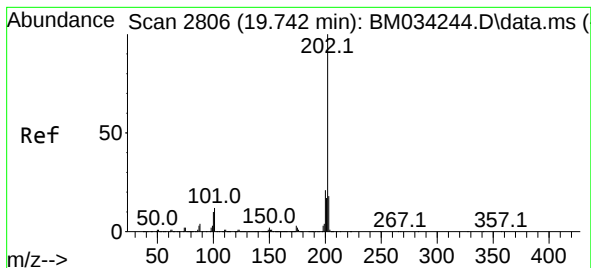
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Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 29.4  
203 17.8 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.495 min Scan# 3104  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:240 Resp: 723992  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.3 10.9  
236 25.4 20.2 30.2





#78

Pyrene

Concen: 74.146 ng

RT: 19.736 min Scan# 2805

Delta R.T. 0.000 min

Lab File: BM034353.D

Acq: 23 Mar 2022 23:45

Instrument :

BNA\_M

ClientSampleId :

C-7-6-7

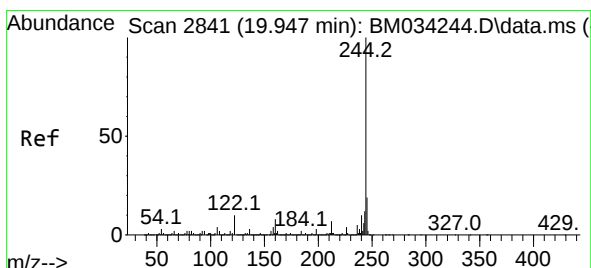
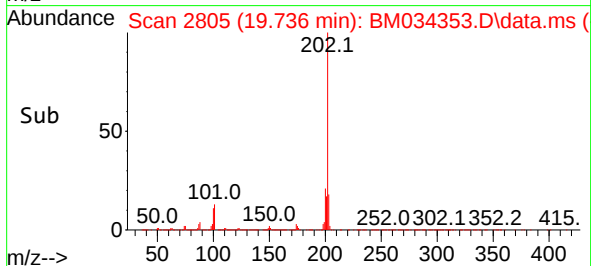
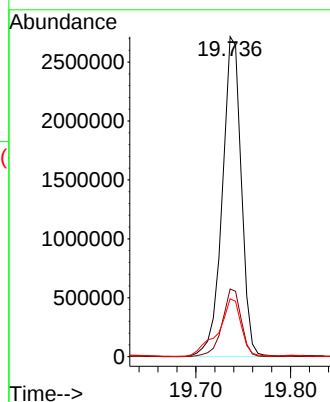
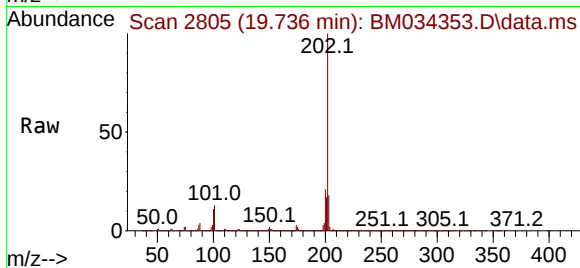
Tgt Ion:202 Resp: 3782155

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 12.955 ng

RT: 19.936 min Scan# 2839

Delta R.T. 0.000 min

Lab File: BM034353.D

Acq: 23 Mar 2022 23:45

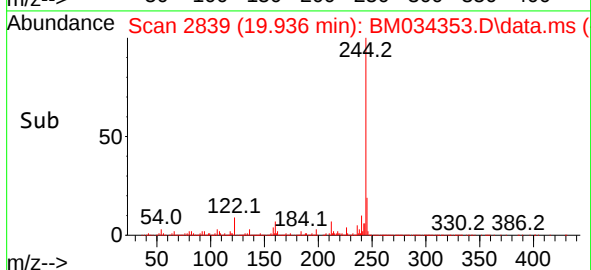
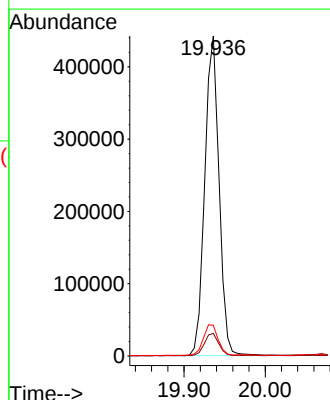
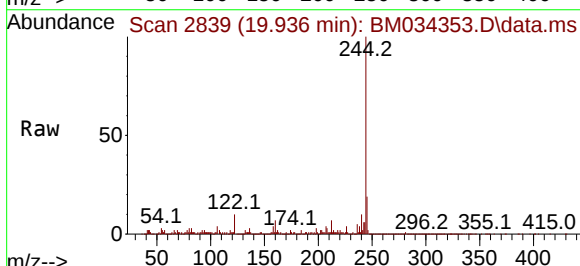
Tgt Ion:244 Resp: 539789

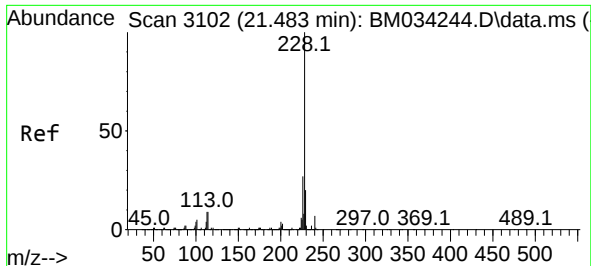
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 9.6 7.8 11.8

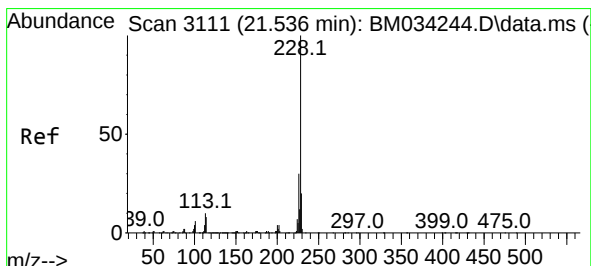
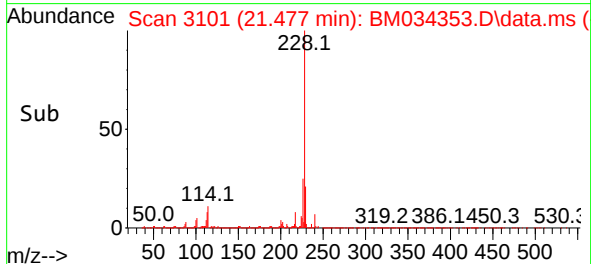
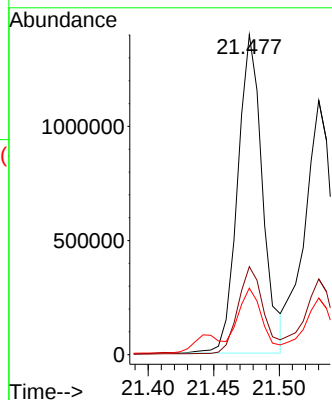
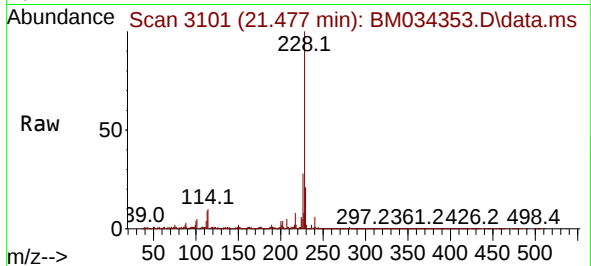




#81  
Benzo(a)anthracene  
Concen: 40.388 ng  
RT: 21.477 min Scan# 3101  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

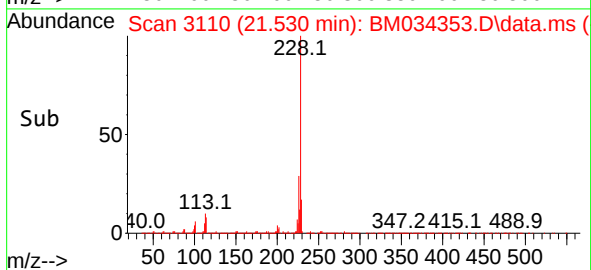
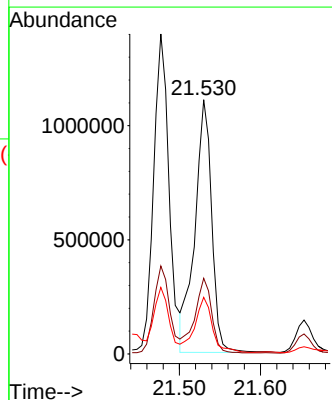
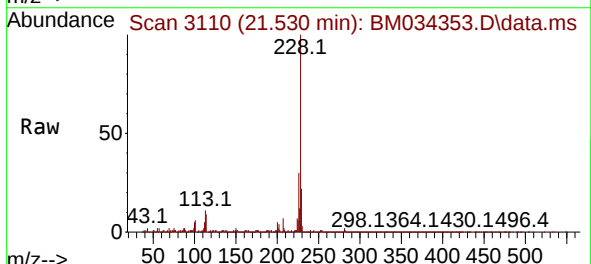
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

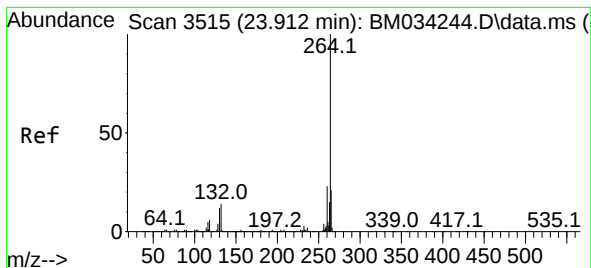
Tgt Ion:228 Resp: 1845539  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.6 32.4  
229 20.8 15.8 23.6



#83  
Chrysene  
Concen: 34.477 ng  
RT: 21.530 min Scan# 3110  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:228 Resp: 1608806  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.8 35.6  
229 22.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.906 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM034353.D

Acq: 23 Mar 2022 23:45

Instrument :

BNA\_M

ClientSampleId :

C-7-6-7

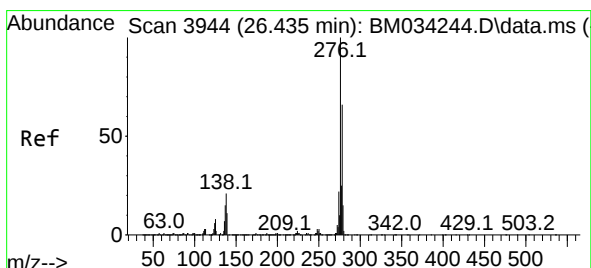
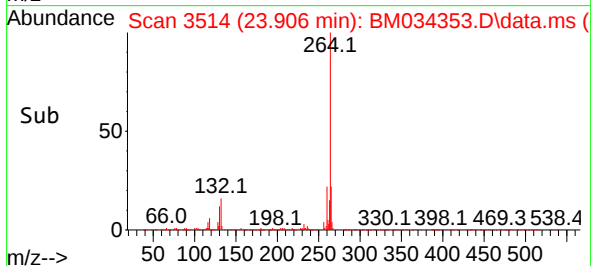
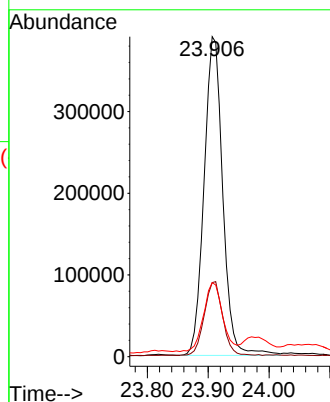
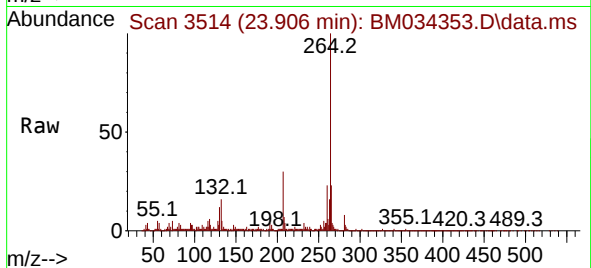
Tgt Ion:264 Resp: 831025

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 23.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 22.729 ng

RT: 26.430 min Scan# 3943

Delta R.T. 0.006 min

Lab File: BM034353.D

Acq: 23 Mar 2022 23:45

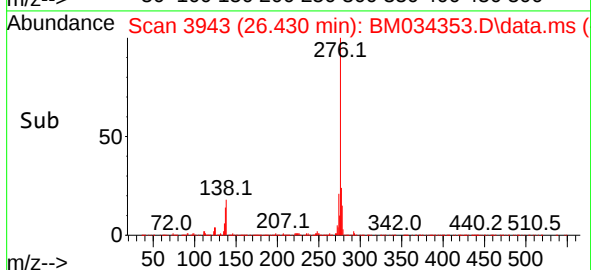
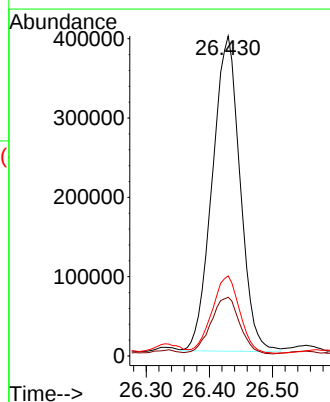
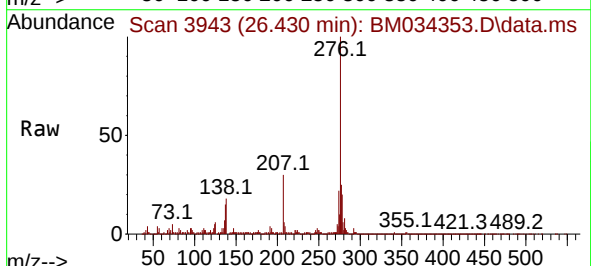
Tgt Ion:276 Resp: 1215086

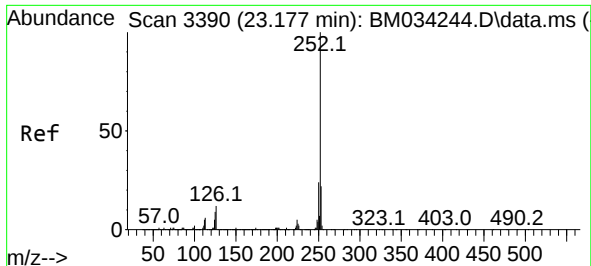
Ion Ratio Lower Upper

276 100

138 18.7 16.6 25.0

277 24.4 19.8 29.6

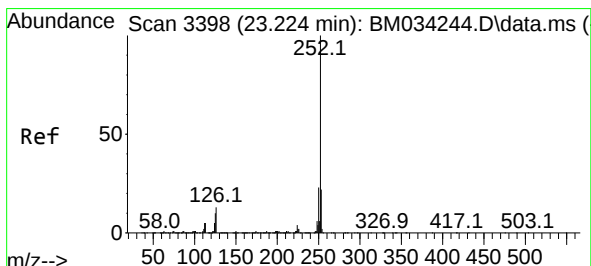
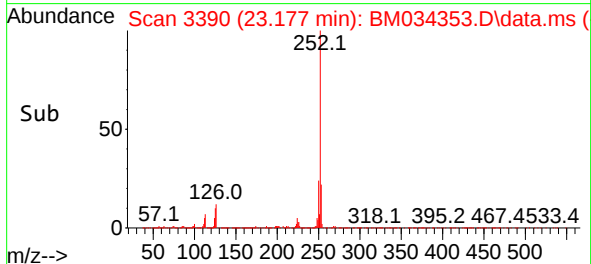
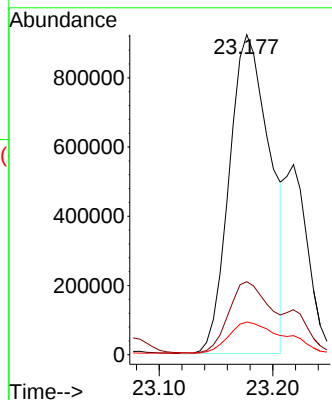
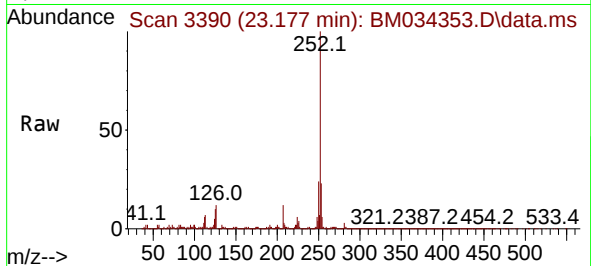




#88  
Benzo(b)fluoranthene  
Concen: 46.321 ng  
RT: 23.177 min Scan# 3390  
Delta R.T. 0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

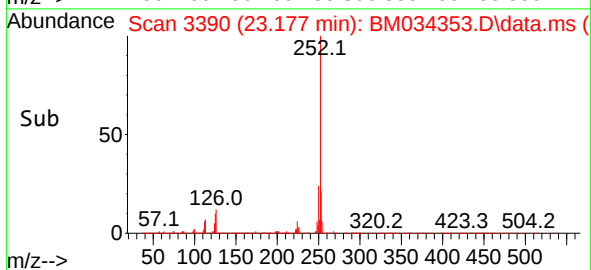
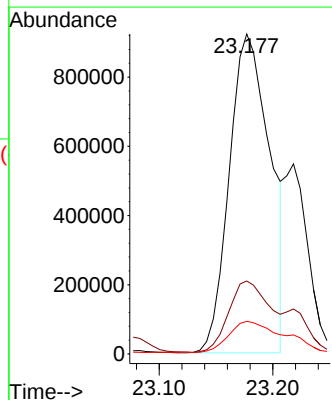
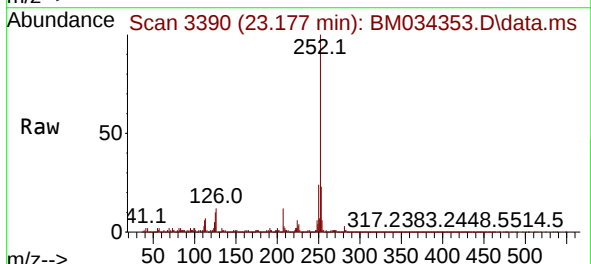
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

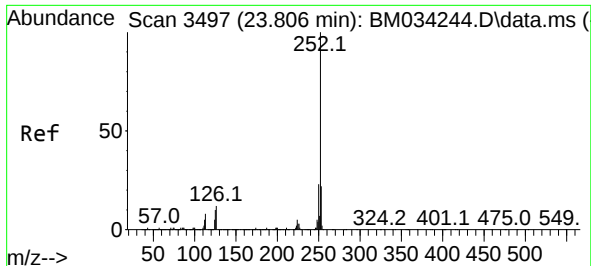
Tgt Ion:252 Resp: 2301868  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.8  
125 10.2 7.2 10.8



#89  
Benzo(k)fluoranthene  
Concen: 43.728 ng  
RT: 23.177 min Scan# 3390  
Delta R.T. -0.047 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:252 Resp: 2301868  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.6 26.4  
125 10.2 7.5 11.3

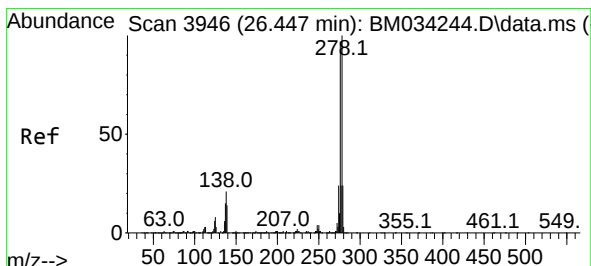
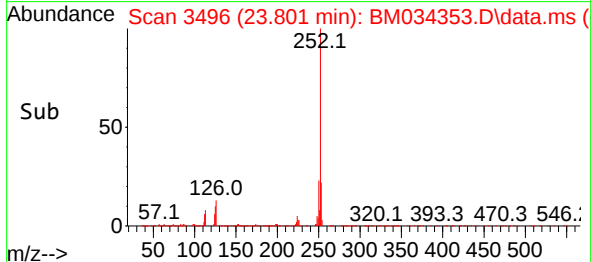
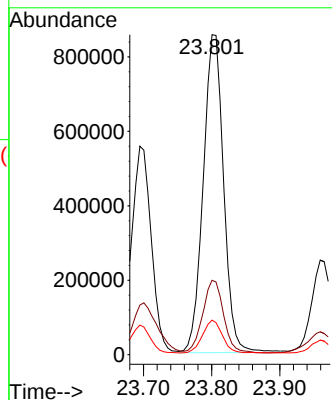
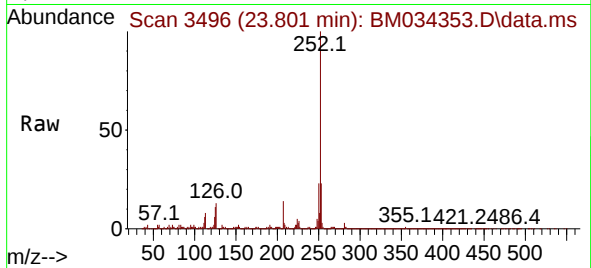




#90  
Benzo(a)pyrene  
Concen: 42.321 ng  
RT: 23.801 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

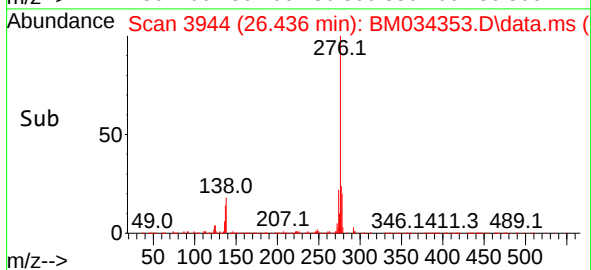
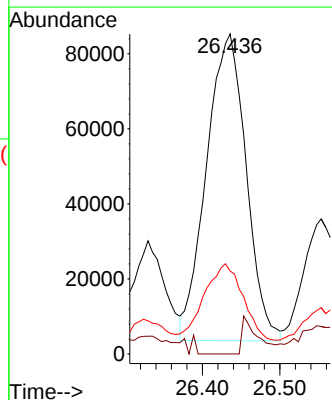
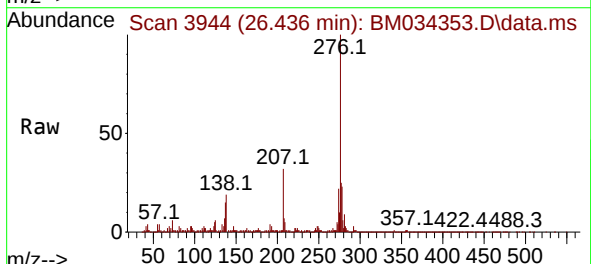
Instrument :  
BNA\_M  
ClientSampleId :  
C-7-6-7

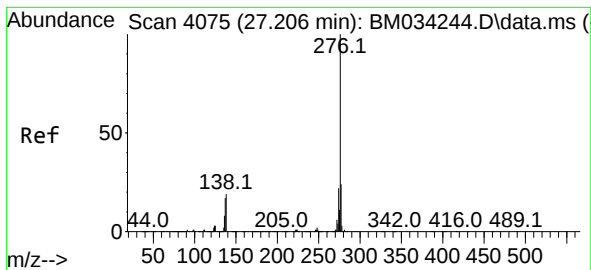
Tgt Ion:252 Resp: 1782848  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.5 26.3  
125 10.8 7.8 11.6



#91  
Dibenzo(a,h)anthracene  
Concen: 6.731 ng  
RT: 26.436 min Scan# 3944  
Delta R.T. -0.006 min  
Lab File: BM034353.D  
Acq: 23 Mar 2022 23:45

Tgt Ion:278 Resp: 291780  
Ion Ratio Lower Upper  
278 100  
139 0.0 11.2 16.8#  
279 25.9 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 27.522 ng

RT: 27.200 min Scan# 4074

Delta R.T. 0.000 min

Lab File: BM034353.D

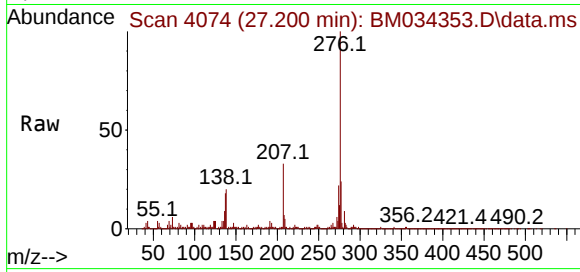
Acq: 23 Mar 2022 23:45

Instrument :

BNA\_M

ClientSampleId :

C-7-6-7



Tgt Ion:276 Resp: 1234820

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 20.2 15.6 23.4

