

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041123\  
 Data File : BM039397.D  
 Acq On : 11 Apr 2023 17:21  
 Operator : CG/JU  
 Sample : 02262-11  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JPP-3A-040723

Quant Time: Apr 12 01:39:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 11 16:05:42 2023  
 Response via : Initial Calibration

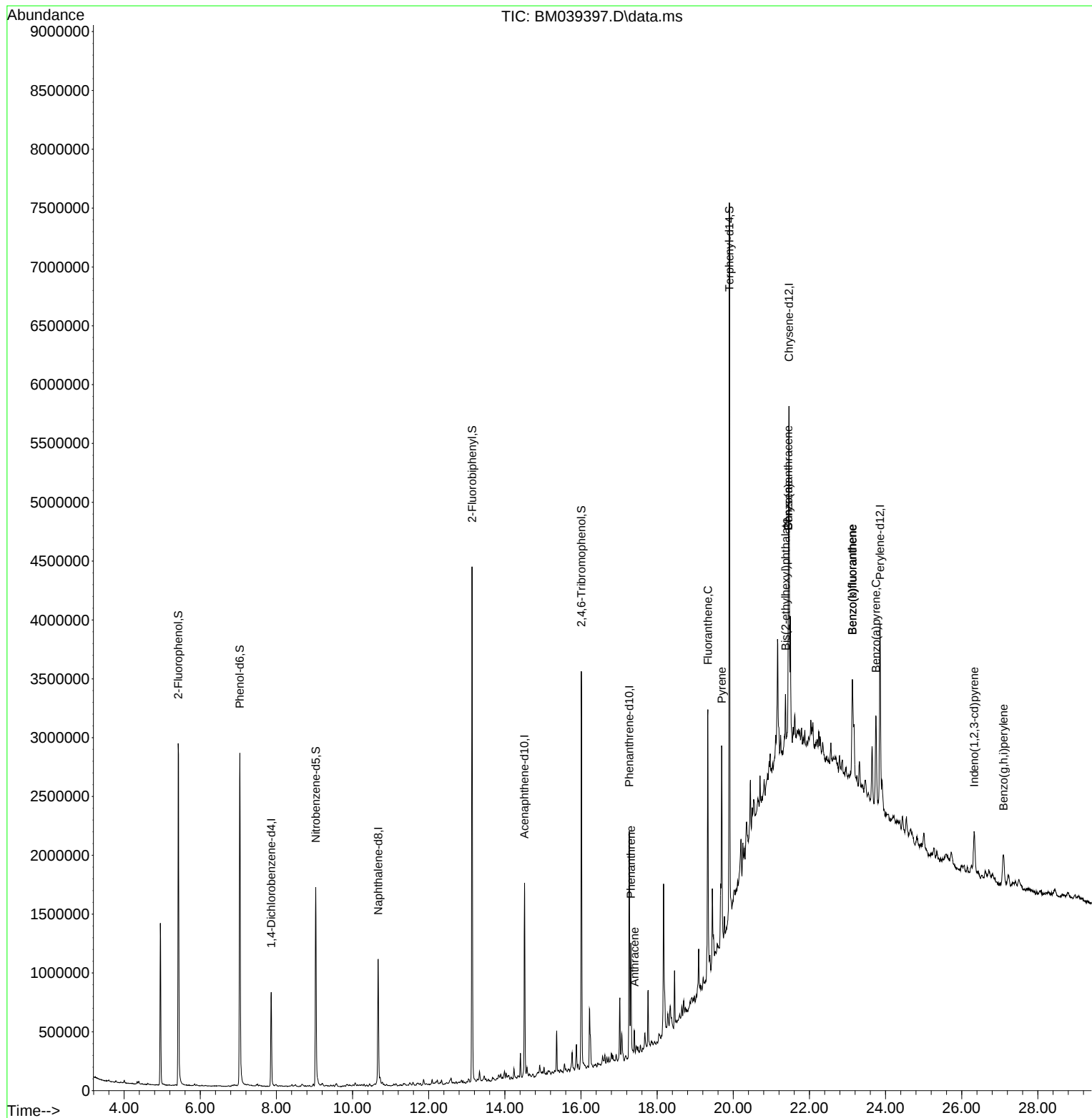
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.863  | 152  | 231435   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.675 | 136  | 950356   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.516 | 164  | 569002   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.268 | 188  | 1149111  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.462 | 240  | 1079511  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.856 | 264  | 1214134  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1368033  | 89.057 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.040  | 99   | 1815443  | 91.372 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.034  | 82   | 1057369  | 54.075 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.010 | 330  | 616630   | 85.371 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.139 | 172  | 2255169  | 53.700 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.898 | 244  | 2980842  | 51.016 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 17.310 | 178  | 564741   | 8.973  | ng    | 99       |
| 72) Anthracene                | 17.404 | 178  | 133468   | 2.080  | ng    | 99       |
| 75) Fluoranthene              | 19.333 | 202  | 1108875  | 15.457 | ng    | 99       |
| 78) Pyrene                    | 19.698 | 202  | 1074345  | 13.980 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.445 | 228  | 632587   | 8.309  | ng    | 97       |
| 83) Chrysene                  | 21.445 | 228  | 632587   | 8.607  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149  | 156470   | 3.009  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 390244   | 4.362  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 23.127 | 252  | 1061022  | 14.282 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 23.127 | 252  | 1061022  | 14.021 | ng    | # 93     |
| 90) Benzo(a)pyrene            | 23.750 | 252  | 586321   | 8.034  | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 27.097 | 276  | 382595   | 5.179  | ng    | 98       |
| -----                         |        |      |          |        |       |          |

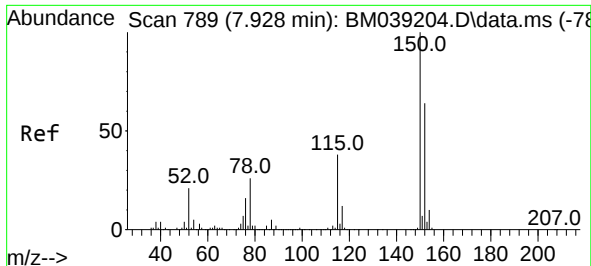
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 12 01:39:11 2023  
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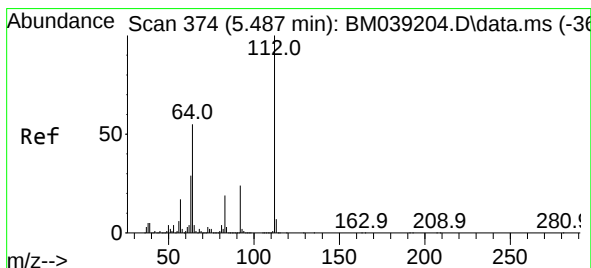
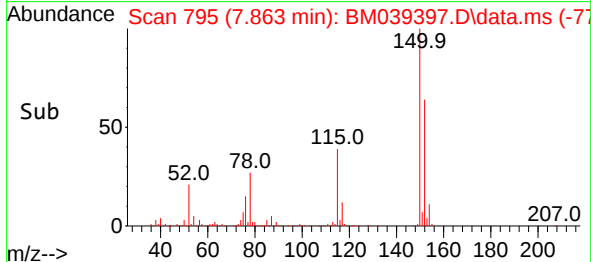
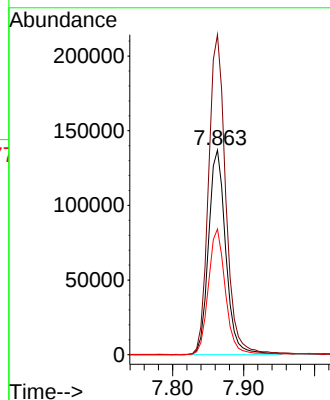
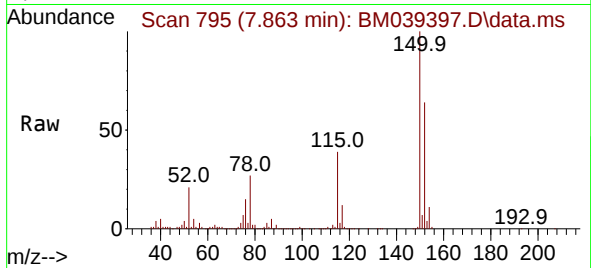




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.863 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

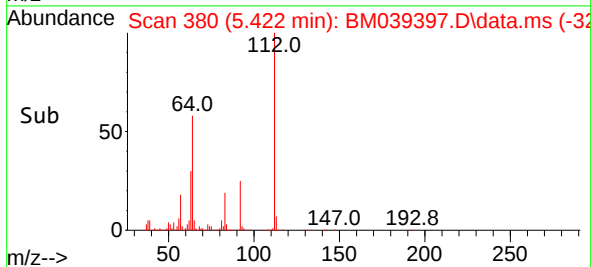
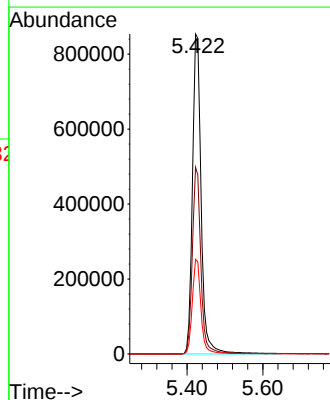
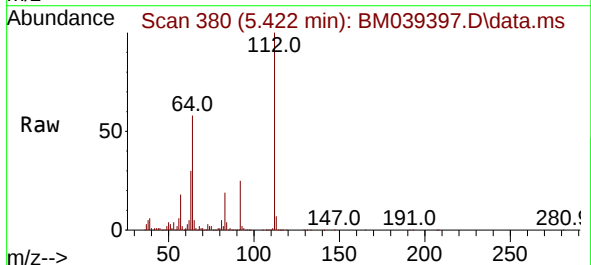
Instrument :  
BNA\_M  
ClientSampleId :  
JPP-3A-040723

Tgt Ion:152 Resp: 231435  
Ion Ratio Lower Upper  
152 100  
150 156.3 125.5 188.3  
115 61.4 48.1 72.1



#5  
2-Fluorophenol  
Concen: 89.057 ng  
RT: 5.422 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion:112 Resp: 1368033  
Ion Ratio Lower Upper  
112 100  
64 58.3 44.3 66.5  
63 29.6 23.0 34.6

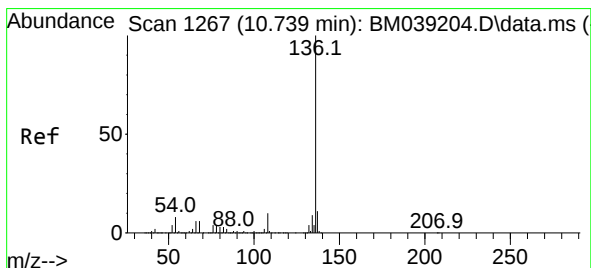
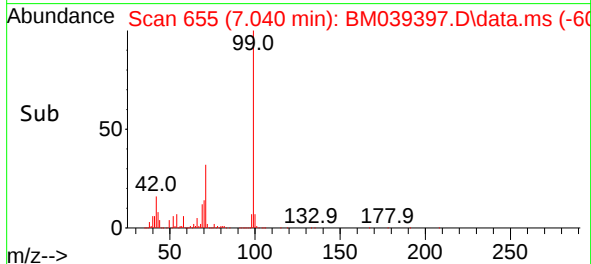
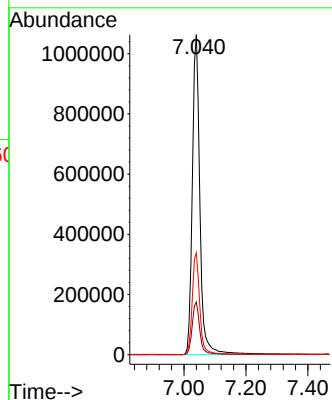
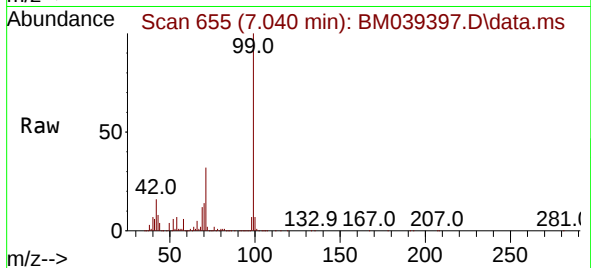




#7  
Phenol-d6  
Concen: 91.372 ng  
RT: 7.040 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

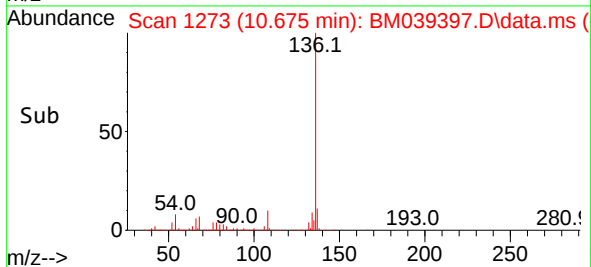
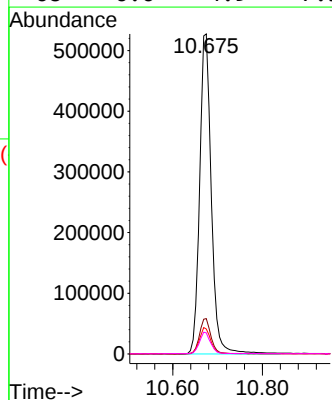
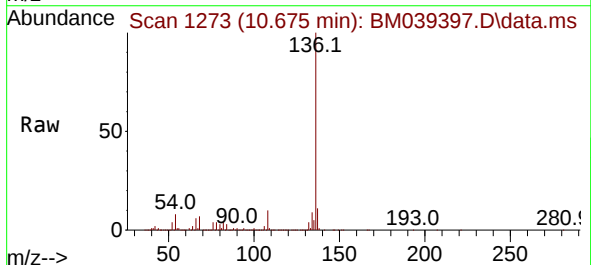
Instrument :  
BNA\_M  
ClientSampleId :  
JPP-3A-040723

Tgt Ion: 99 Resp: 1815443  
Ion Ratio Lower Upper  
99 100  
42 16.4 13.0 19.6  
71 31.8 25.5 38.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.675 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion: 136 Resp: 950356  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.8 6.2 9.4  
68 6.6 4.9 7.3

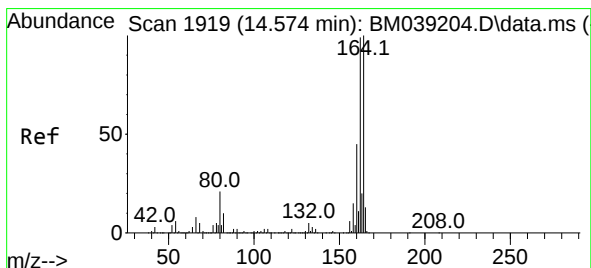
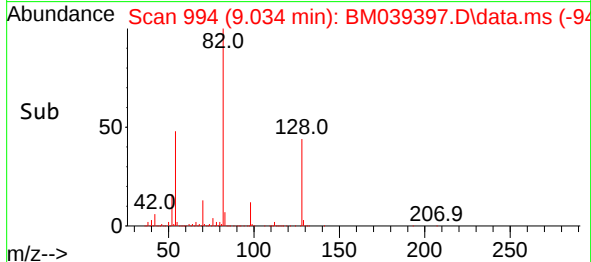
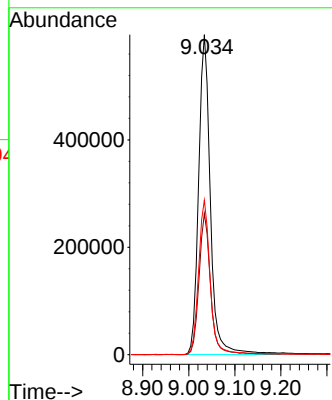
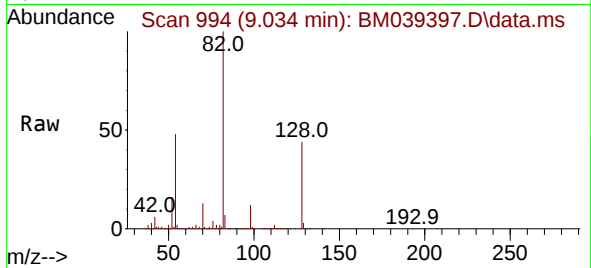




#23  
Nitrobenzene-d5  
Concen: 54.075 ng  
RT: 9.034 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

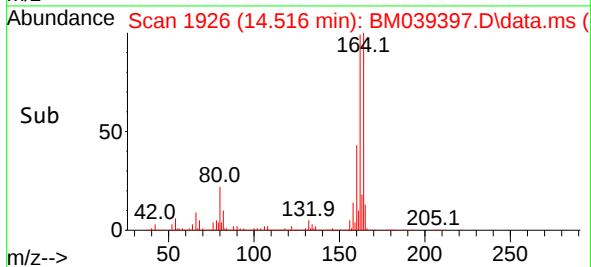
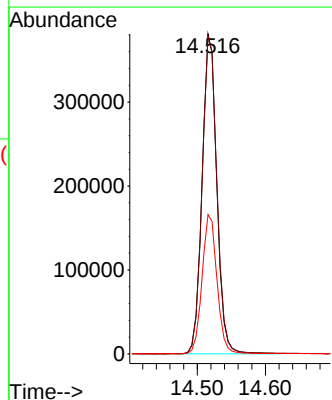
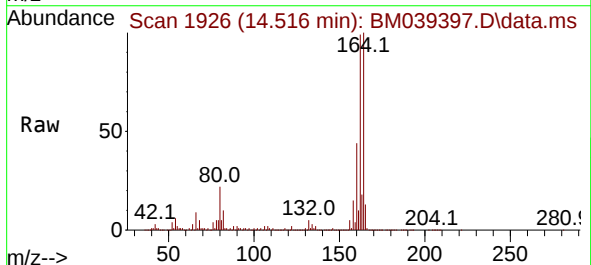
Instrument :  
BNA\_M  
ClientSampleId :  
JPP-3A-040723

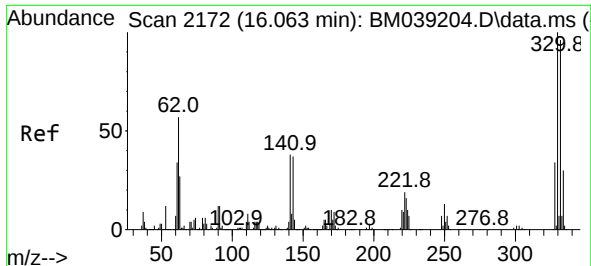
Tgt Ion: 82 Resp: 1057369  
Ion Ratio Lower Upper  
82 100  
128 44.1 35.1 52.7  
54 48.3 38.5 57.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.516 min Scan# 1926  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion: 164 Resp: 569002  
Ion Ratio Lower Upper  
164 100  
162 99.4 79.1 118.7  
160 43.5 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 85.371 ng

RT: 16.010 min Scan# 2172

Delta R.T. -0.006 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA\_M

ClientSampleId :

JPP-3A-040723

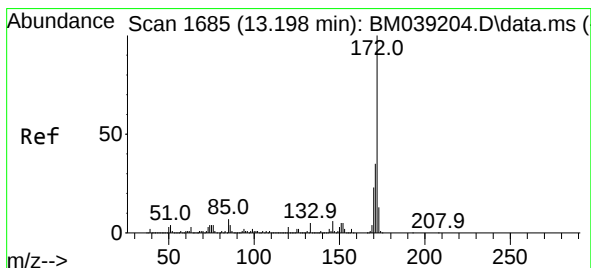
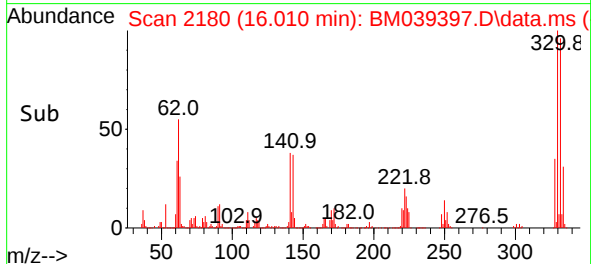
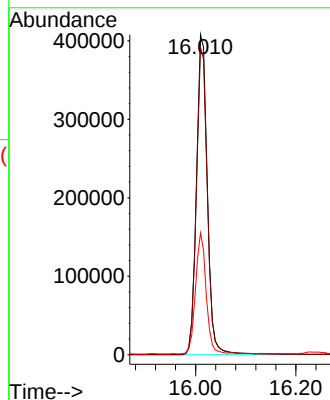
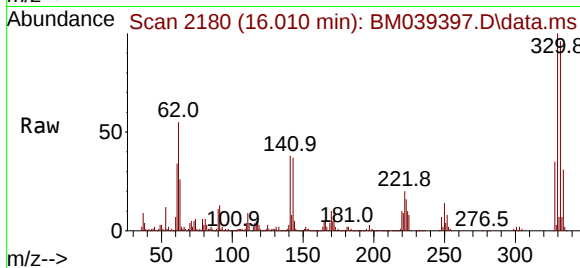
Tgt Ion:330 Resp: 616630

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 36.5 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 53.700 ng

RT: 13.139 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

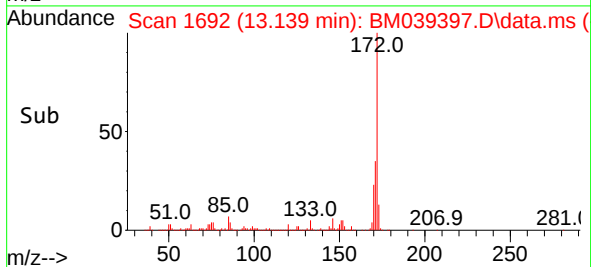
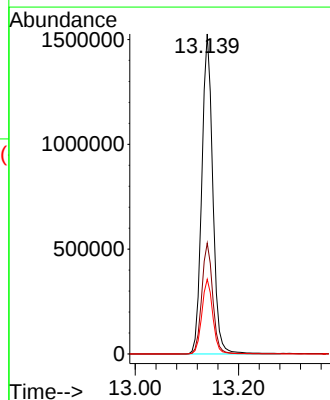
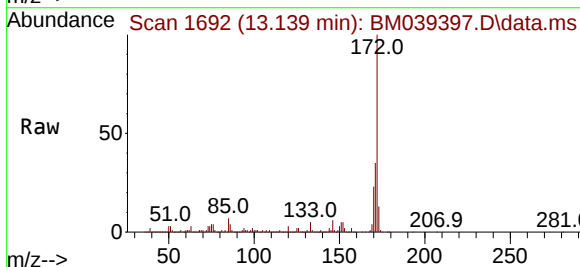
Tgt Ion:172 Resp: 2255169

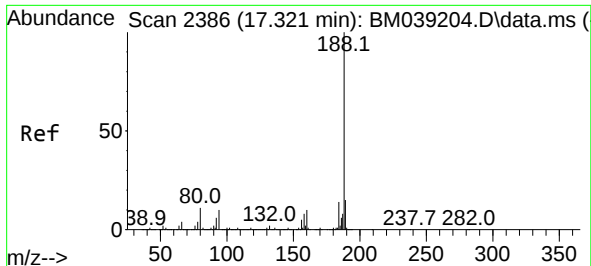
Ion Ratio Lower Upper

172 100

171 34.7 28.0 42.0

170 23.3 18.7 28.1

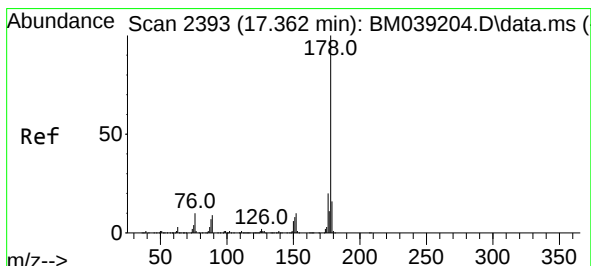
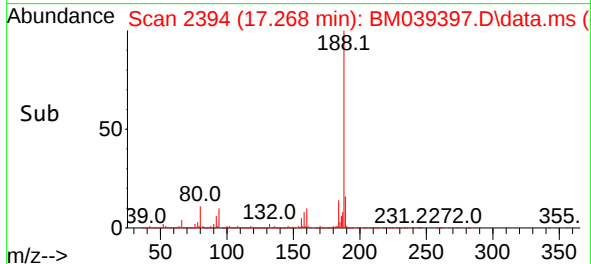
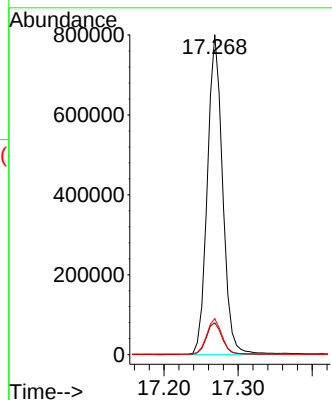
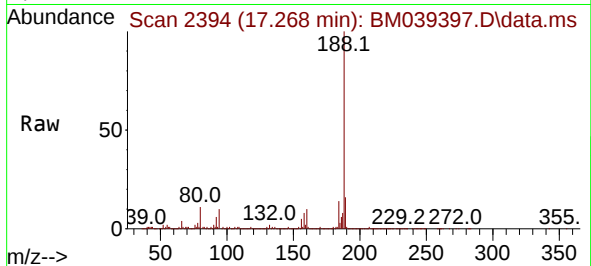




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.268 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

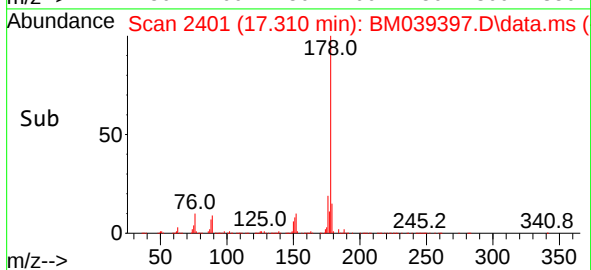
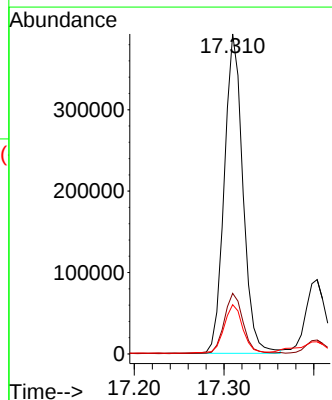
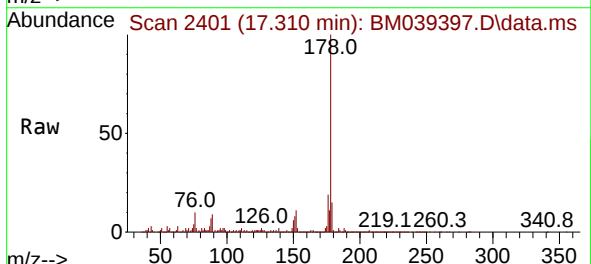
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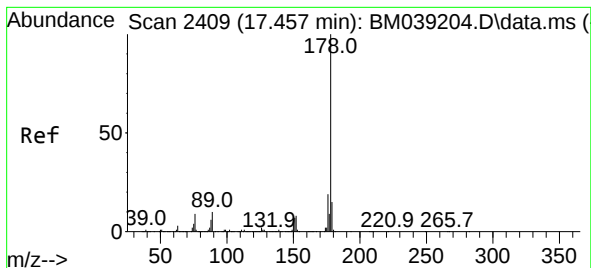
Tgt Ion:188 Resp: 1149111  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.2 12.4  
80 11.2 8.9 13.3



#71  
Phenanthrene  
Concen: 8.973 ng  
RT: 17.310 min Scan# 2401  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion:178 Resp: 564741  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.7 23.5  
179 15.4 12.4 18.6





#72

Anthracene

Concen: 2.080 ng

RT: 17.404 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA\_M

ClientSampleId :

JPP-3A-040723

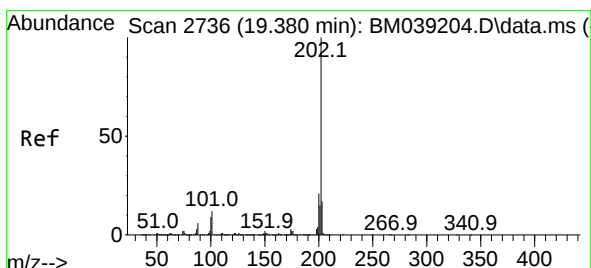
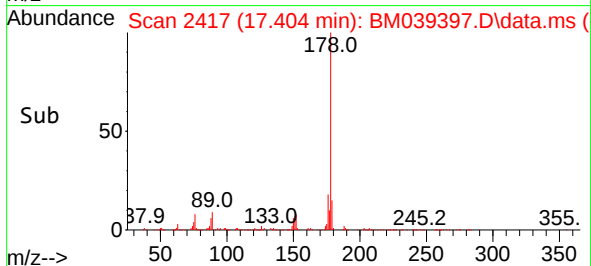
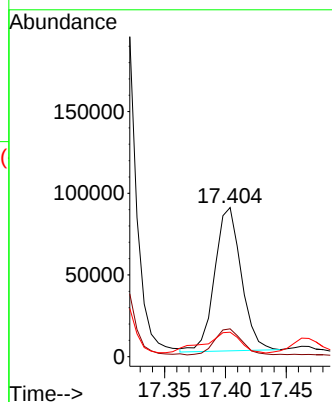
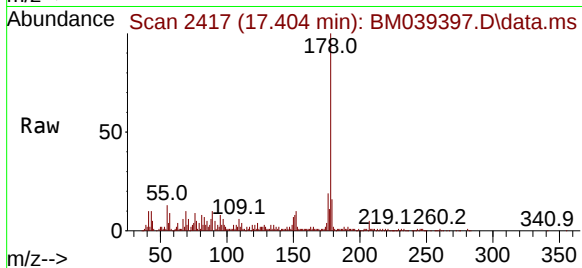
Tgt Ion:178 Resp: 133468

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 16.4 12.2 18.2



#75

Fluoranthene

Concen: 15.457 ng

RT: 19.333 min Scan# 2745

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

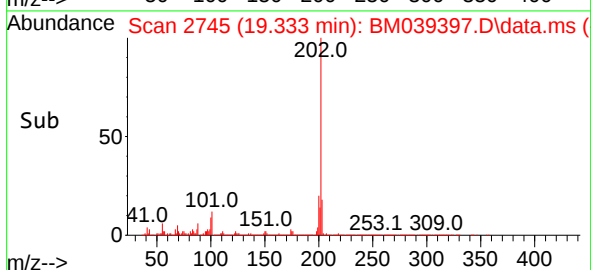
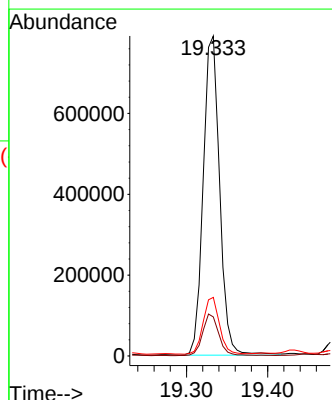
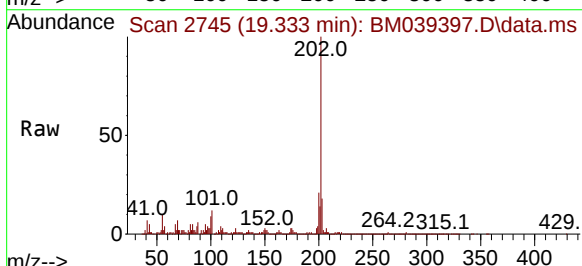
Tgt Ion:202 Resp: 1108875

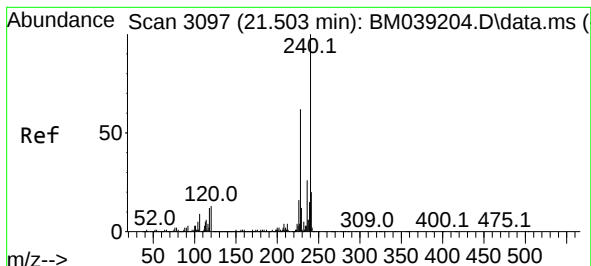
Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.5

203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

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BNA\_M

ClientSampleId :

JPP-3A-040723

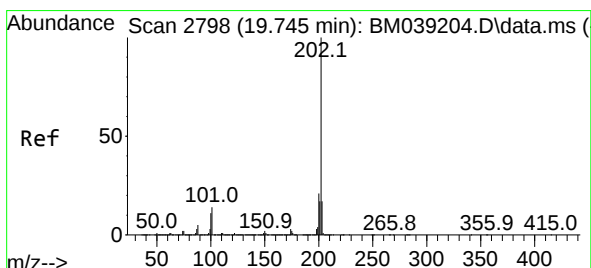
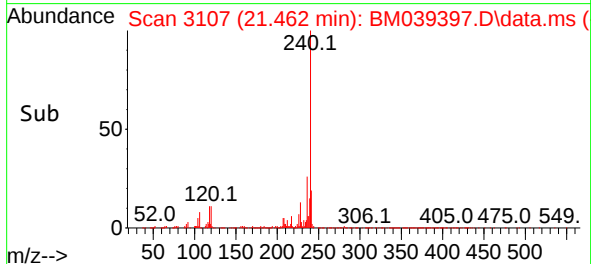
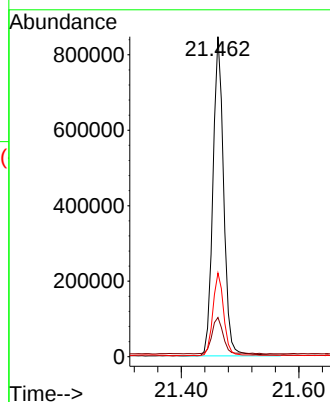
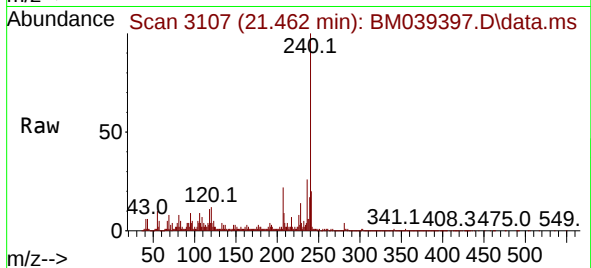
Tgt Ion:240 Resp: 1079511

Ion Ratio Lower Upper

240 100

120 12.2 10.2 15.2

236 26.1 20.9 31.3



#78

Pyrene

Concen: 13.980 ng

RT: 19.698 min Scan# 2807

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

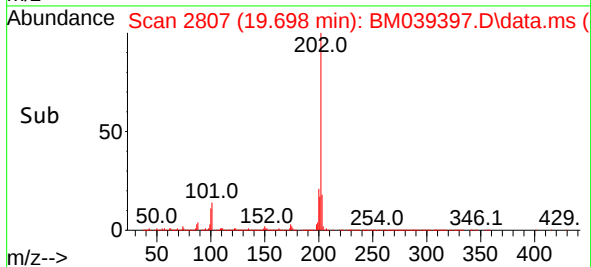
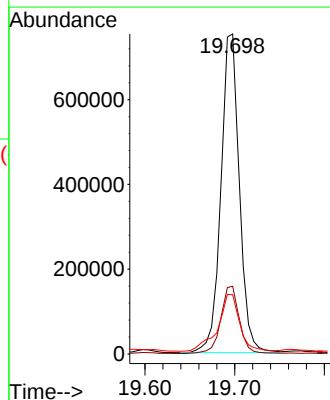
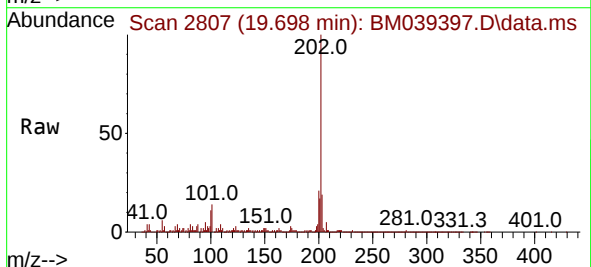
Tgt Ion:202 Resp: 1074345

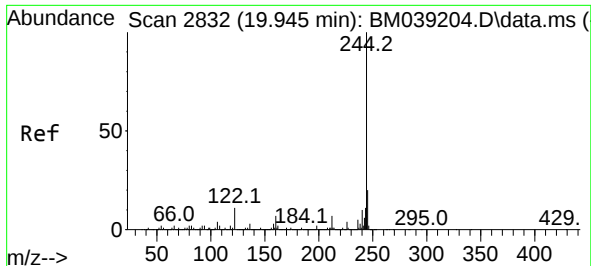
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.5 13.9 20.9

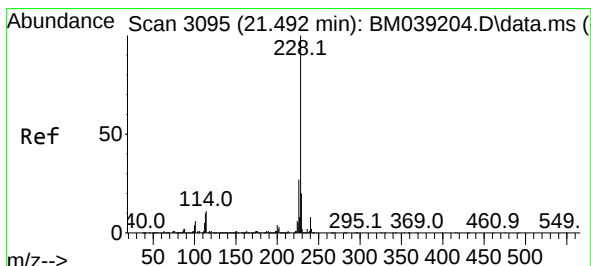
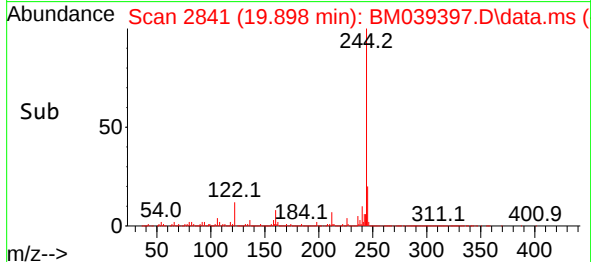
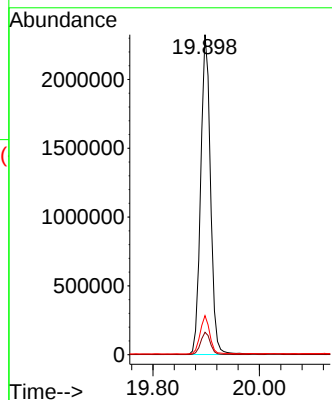
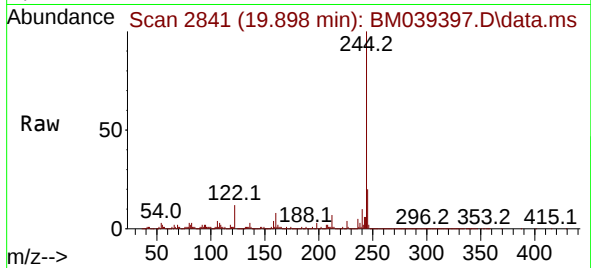




#79  
 Terphenyl-d14  
 Concen: 51.016 ng  
 RT: 19.898 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM039397.D  
 Acq: 11 Apr 2023 17:21

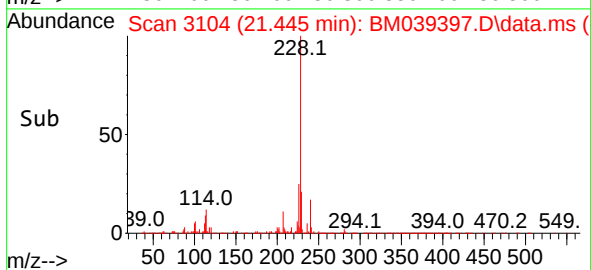
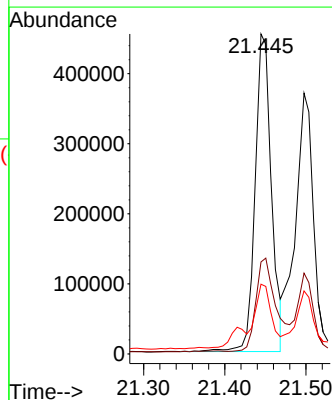
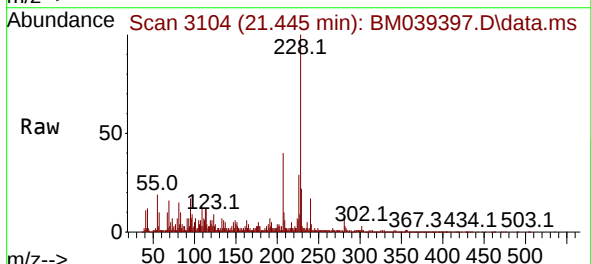
Instrument :  
 BNA\_M  
 ClientSampleId :  
 JPP-3A-040723

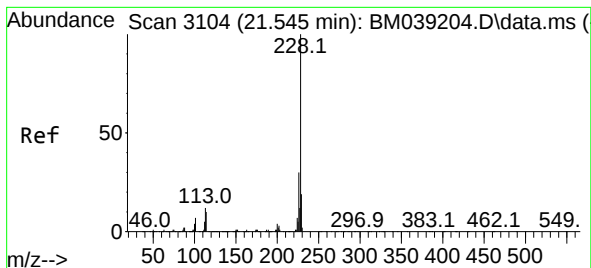
Tgt Ion:244 Resp: 2980842  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 12.2 9.1 13.7



#81  
 Benzo(a)anthracene  
 Concen: 8.309 ng  
 RT: 21.445 min Scan# 3104  
 Delta R.T. 0.000 min  
 Lab File: BM039397.D  
 Acq: 11 Apr 2023 17:21

Tgt Ion:228 Resp: 632587  
 Ion Ratio Lower Upper  
 228 100  
 226 28.7 21.9 32.9  
 229 21.8 15.8 23.6





#83

Chrysene

Concen: 8.607 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.059 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA\_M

ClientSampleId :

JPP-3A-040723

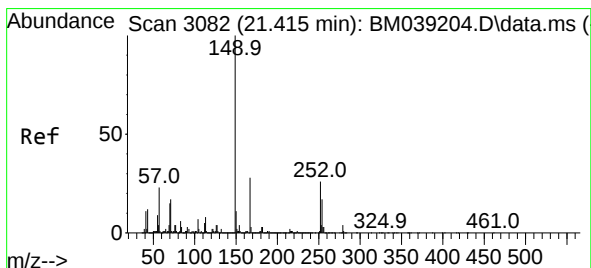
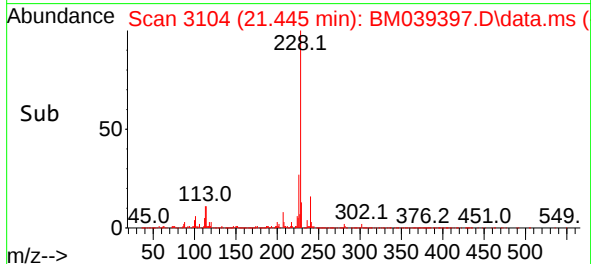
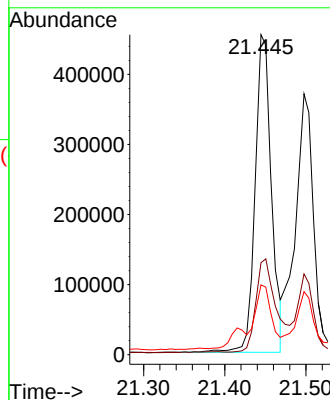
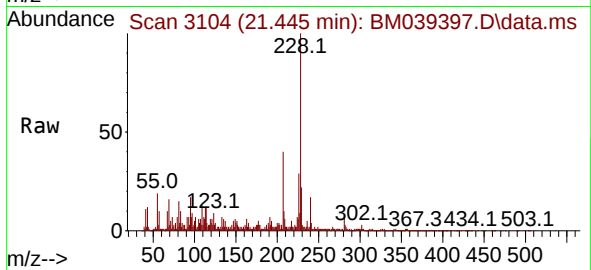
Tgt Ion:228 Resp: 632587

Ion Ratio Lower Upper

228 100

226 28.7 24.1 36.1

229 21.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.009 ng

RT: 21.374 min Scan# 3092

Delta R.T. 0.000 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

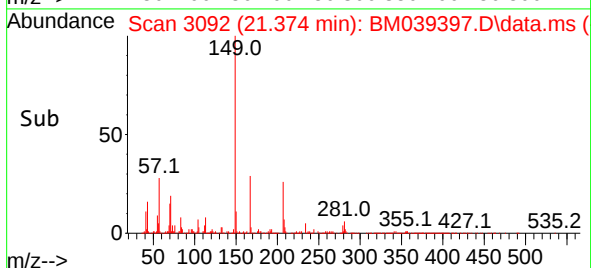
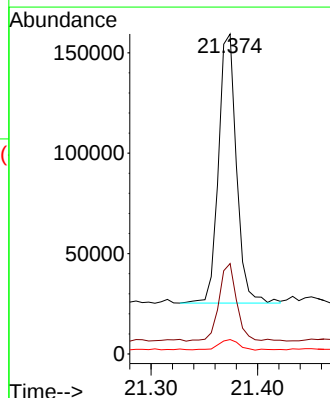
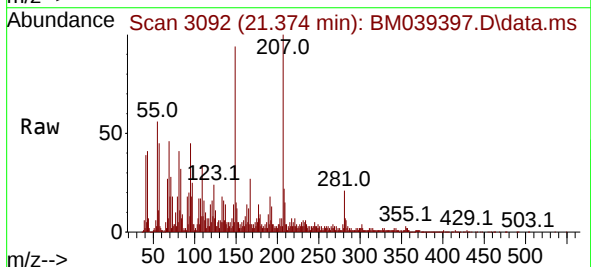
Tgt Ion:149 Resp: 156470

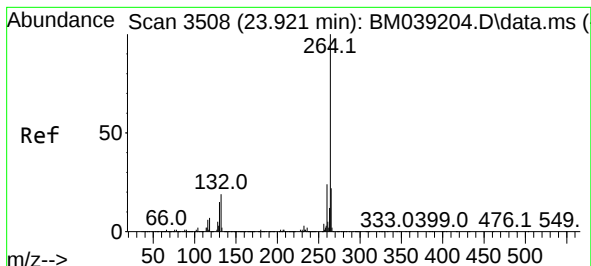
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.5 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

Instrument :

BNA\_M

ClientSampleId :

JPP-3A-040723

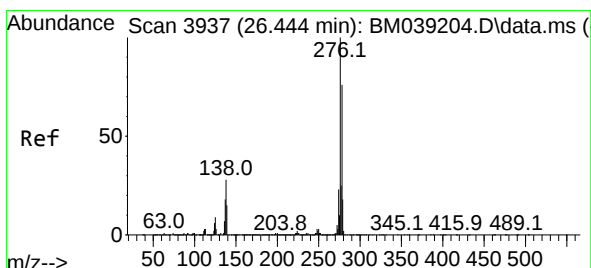
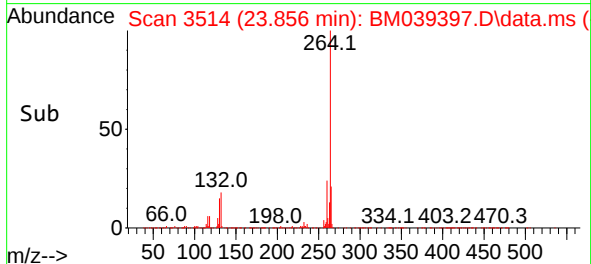
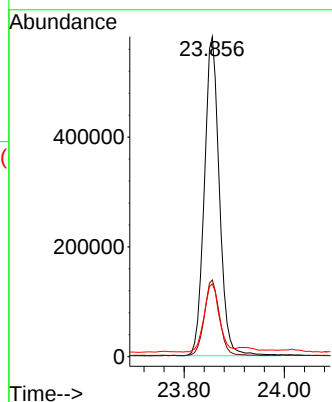
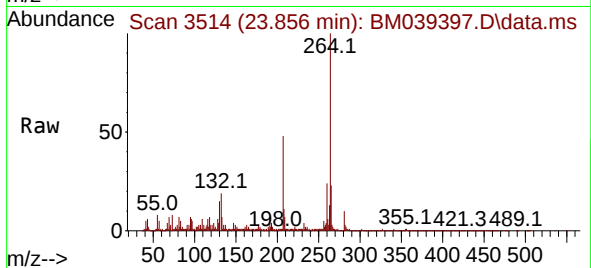
Tgt Ion:264 Resp: 1214134

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.7 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.362 ng

RT: 26.327 min Scan# 3934

Delta R.T. -0.012 min

Lab File: BM039397.D

Acq: 11 Apr 2023 17:21

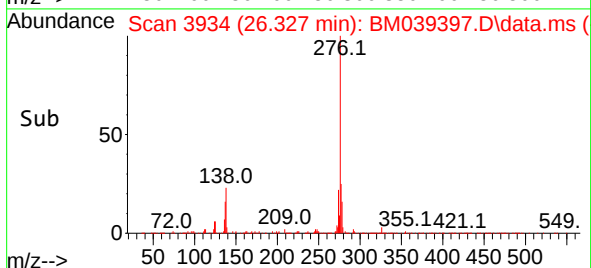
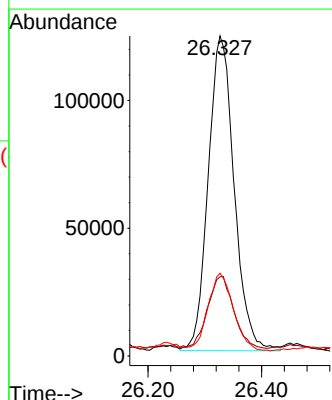
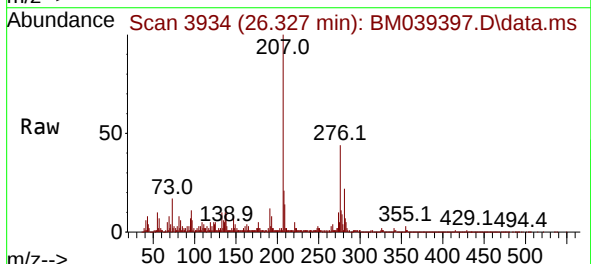
Tgt Ion:276 Resp: 390244

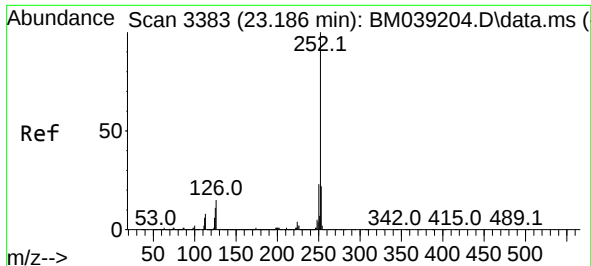
Ion Ratio Lower Upper

276 100

138 23.7 22.2 33.2

277 24.5 20.2 30.2

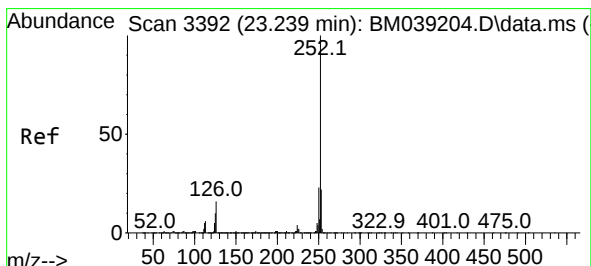
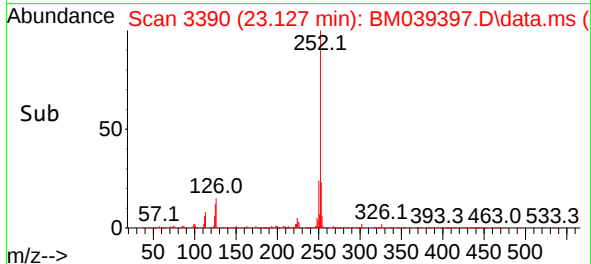
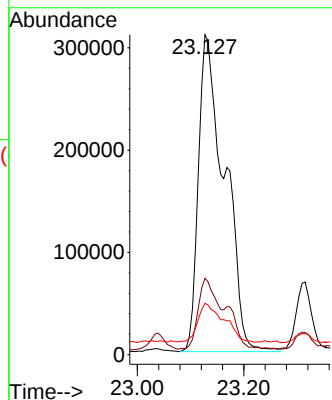
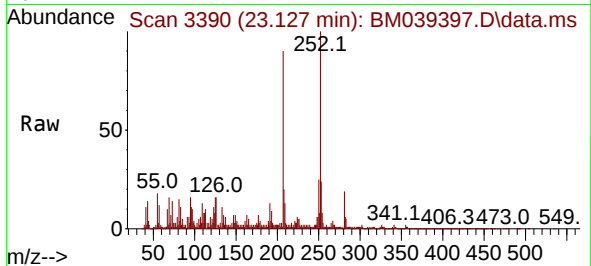




#88  
Benzo(b)fluoranthene  
Concen: 14.282 ng  
RT: 23.127 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

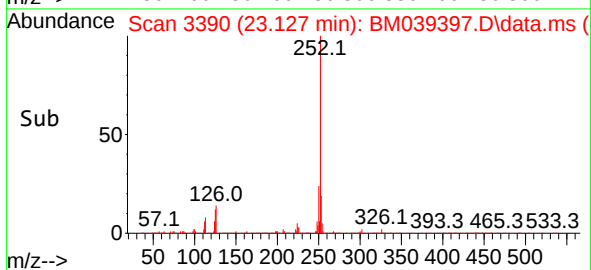
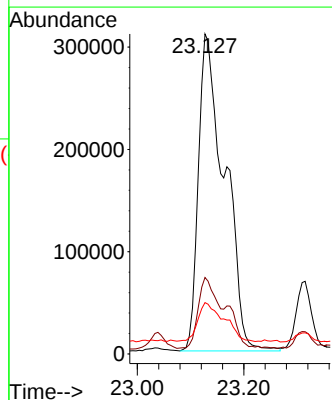
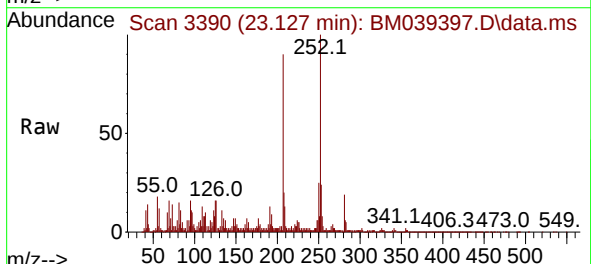
Instrument :  
BNA\_M  
ClientSampleId :  
JPP-3A-040723

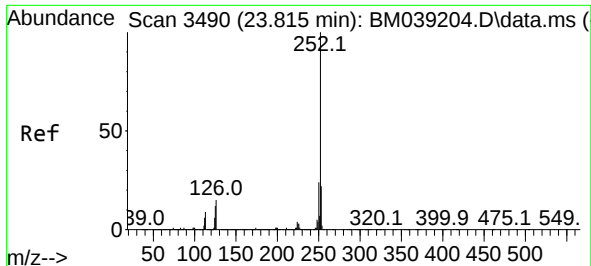
Tgt Ion:252 Resp: 1061022  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.6 26.4  
125 16.1 9.0 13.6#



#89  
Benzo(k)fluoranthene  
Concen: 14.021 ng  
RT: 23.127 min Scan# 3390  
Delta R.T. -0.047 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion:252 Resp: 1061022  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.8 26.8  
125 16.1 8.5 12.7#

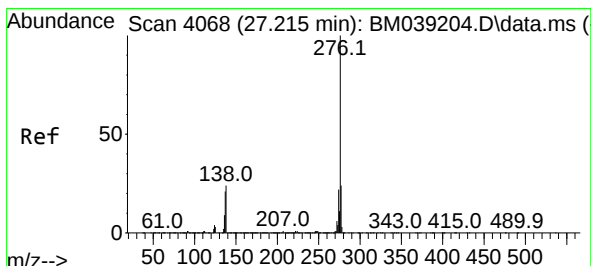
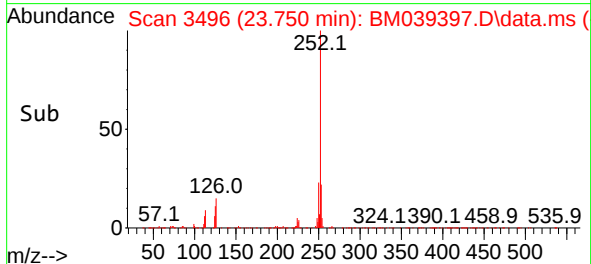
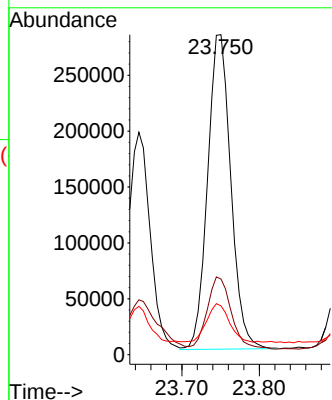
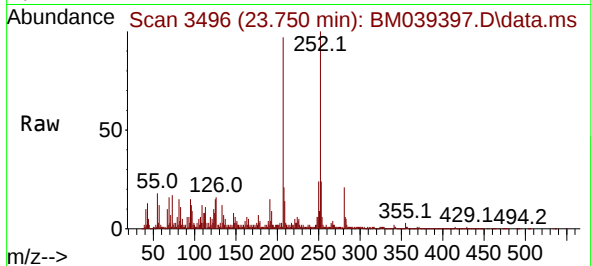




#90  
Benzo(a)pyrene  
Concen: 8.034 ng  
RT: 23.750 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Instrument :  
BNA\_M  
ClientSampleId :  
JPP-3A-040723

Tgt Ion:252 Resp: 586321  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.6 26.4  
125 15.3 9.8 14.6#



#92  
Benzo(g,h,i)perylene  
Concen: 5.179 ng  
RT: 27.097 min Scan# 4065  
Delta R.T. -0.006 min  
Lab File: BM039397.D  
Acq: 11 Apr 2023 17:21

Tgt Ion:276 Resp: 382595  
Ion Ratio Lower Upper  
276 100  
277 25.7 19.1 28.7  
138 24.9 19.5 29.3

