

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM073123\  
 Data File : BM041213.D  
 Acq On : 01 Aug 2023 06:57  
 Operator : MA/JU  
 Sample : 03645-02  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-04-(1-5)

Quant Time: Aug 01 07:40:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 31 16:29:28 2023  
 Response via : Initial Calibration

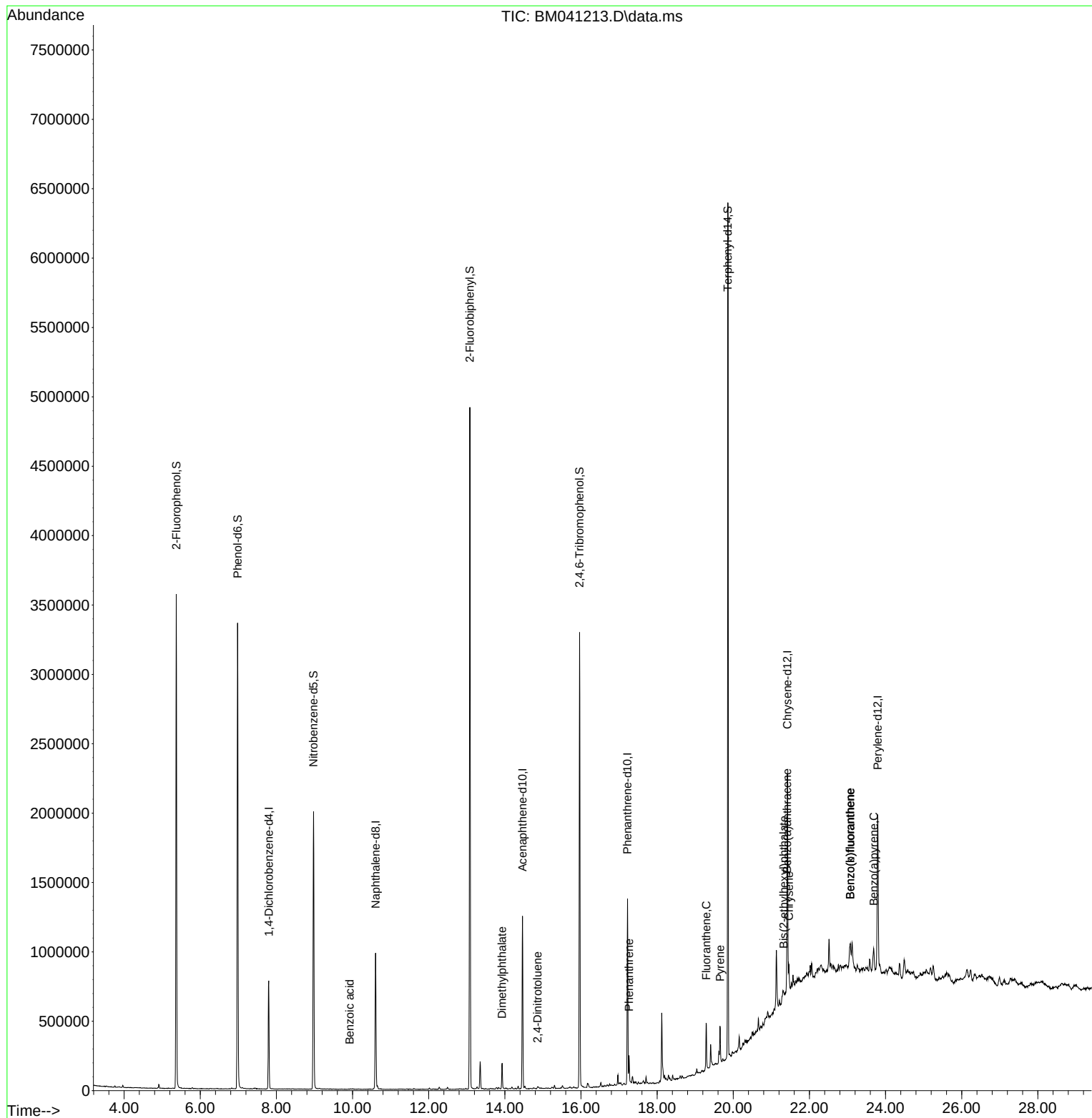
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 202788   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.604 | 136  | 769056   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 403610   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.221 | 188  | 737278   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.421 | 240  | 670377   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.791 | 264  | 818608   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1415104  | 104.296 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.981  | 99   | 1824256  | 103.724 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.975  | 82   | 1135475  | 68.662  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.962 | 330  | 580470   | 101.679 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.080 | 172  | 2330458  | 72.940  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.856 | 244  | 2878893  | 77.646  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 32) Benzoic acid              | 9.928  | 122  | 58       | 7.161   | ng    | # 1      |
| 50) Dimethylphthalate         | 13.927 | 163  | 107672   | 3.546   | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 119      | 2.683   | ng    | # 33     |
| 71) Phenanthrene              | 17.262 | 178  | 108259   | 2.643   | ng    | 99       |
| 75) Fluoranthene              | 19.292 | 202  | 184010   | 3.998   | ng    | 99       |
| 78) Pyrene                    | 19.650 | 202  | 157259   | 3.354   | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.409 | 228  | 104530   | 2.300   | ng    | 97       |
| 83) Chrysene                  | 21.462 | 228  | 94888    | 2.159   | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 7785     | 2.810   | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.074 | 252  | 147465   | 3.032   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 23.074 | 252  | 147465   | 2.964   | ng    | # 91     |
| 90) Benzo(a)pyrene            | 23.691 | 252  | 99068    | 2.120   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

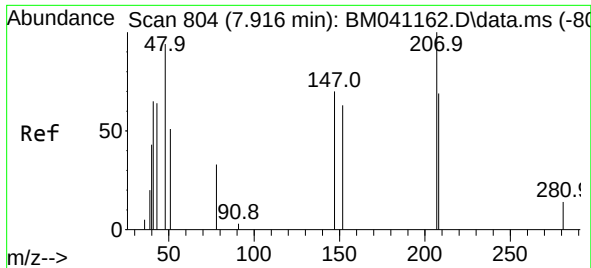
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM073123\  
Data File : BM041213.D  
Acq On : 01 Aug 2023 06:57  
Operator : MA/JU  
Sample : 03645-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

Quant Time: Aug 01 07:40:53 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 31 16:29:28 2023  
Response via : Initial Calibration

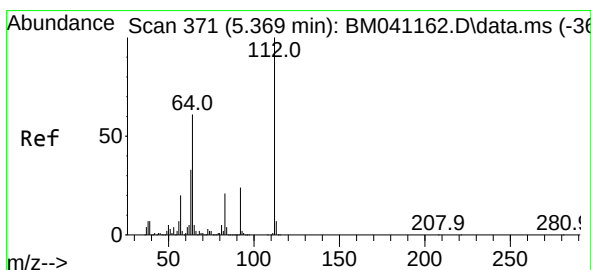
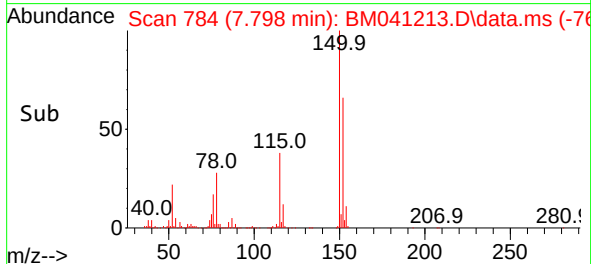
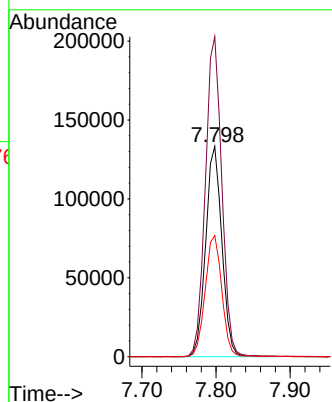
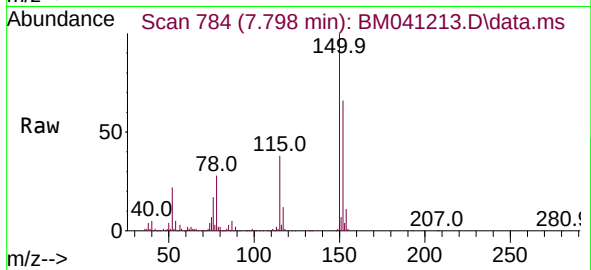




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.798 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

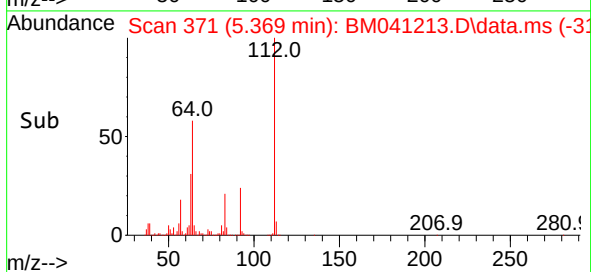
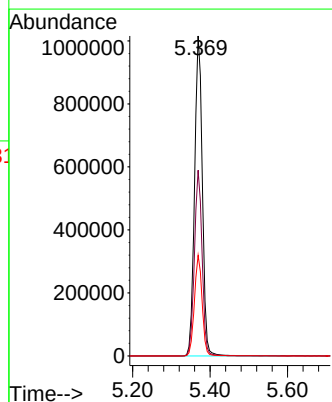
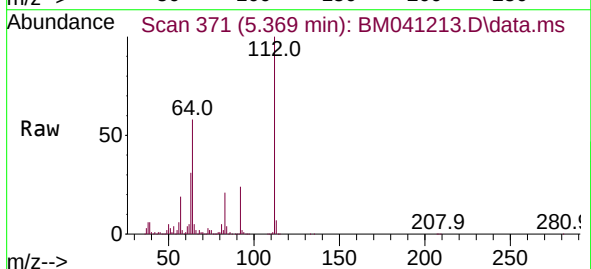
Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

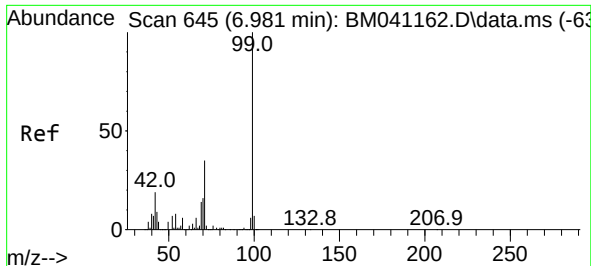
Tgt Ion:152 Resp: 202788  
Ion Ratio Lower Upper  
152 100  
150 152.2 125.5 188.3  
115 57.6 48.0 72.0



#5  
2-Fluorophenol  
Concen: 104.296 ng  
RT: 5.369 min Scan# 371  
Delta R.T. 0.006 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion:112 Resp: 1415104  
Ion Ratio Lower Upper  
112 100  
64 58.1 48.5 72.7  
63 31.5 26.5 39.7



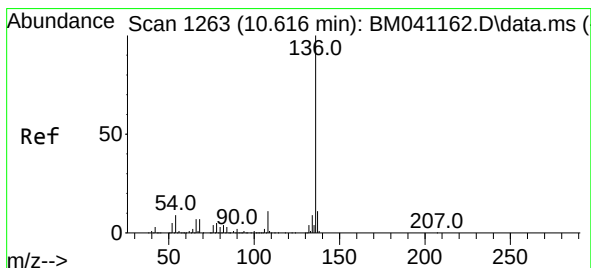
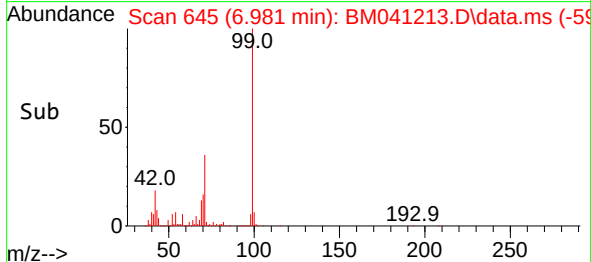
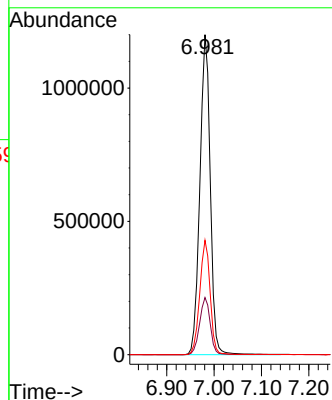
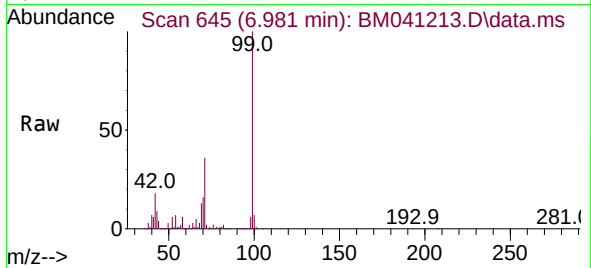


#7  
Phenol-d6  
Concen: 103.724 ng  
RT: 6.981 min Scan# 645  
Delta R.T. 0.006 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

Tgt Ion: 99 Resp: 1824256

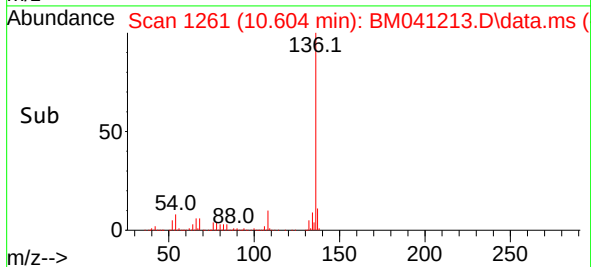
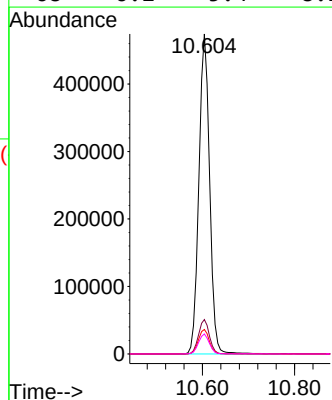
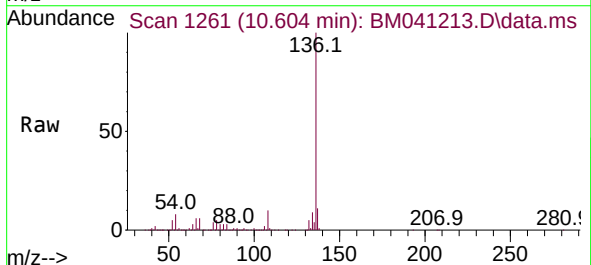
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 15.4  | 23.0  |
| 71  | 35.8  | 28.2  | 42.4  |

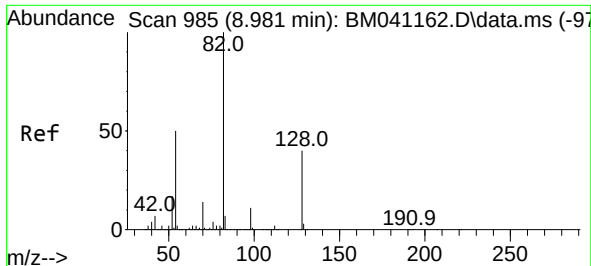


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.604 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion: 136 Resp: 769056

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.8   | 13.2  |
| 54  | 7.7   | 6.9   | 10.3  |
| 68  | 6.2   | 5.4   | 8.2   |

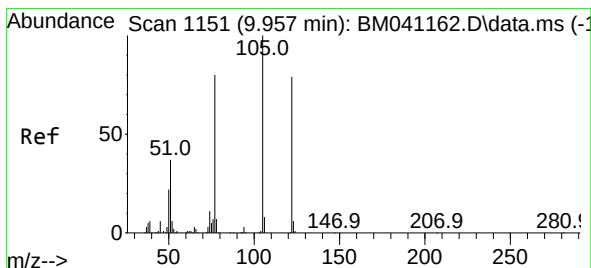
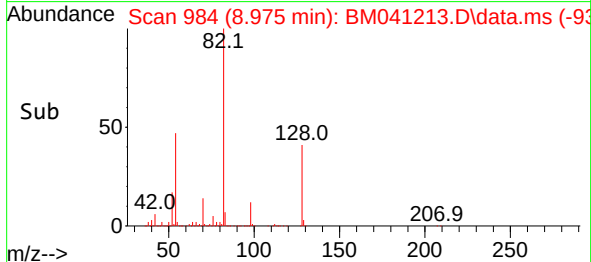
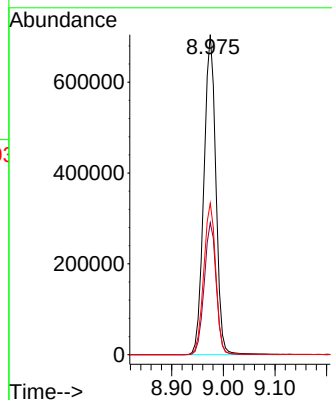
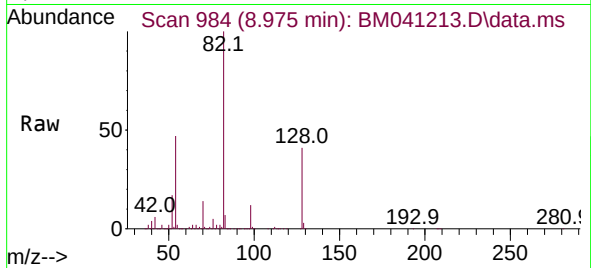




#23  
Nitrobenzene-d5  
Concen: 68.662 ng  
RT: 8.975 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

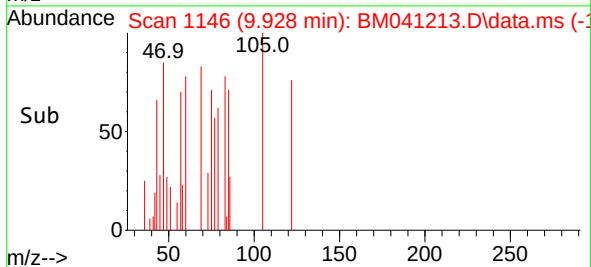
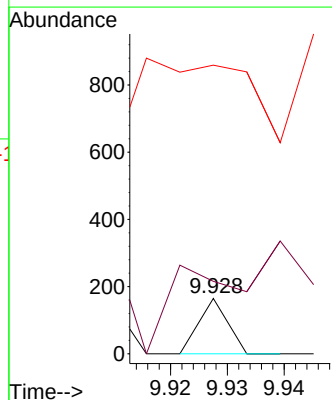
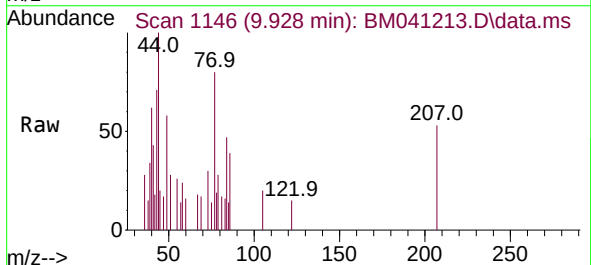
Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

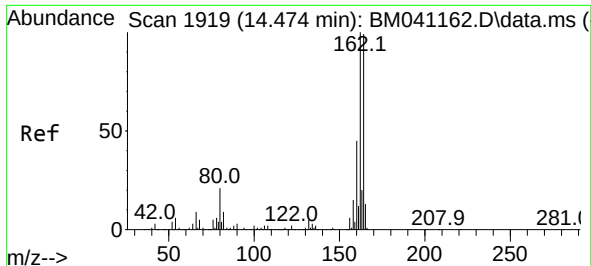
Tgt Ion: 82 Resp: 1135475  
Ion Ratio Lower Upper  
82 100  
128 41.2 31.8 47.6  
54 47.4 40.1 60.1



#32  
Benzoic acid  
Concen: 7.161 ng  
RT: 9.928 min Scan# 1146  
Delta R.T. -0.018 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion: 122 Resp: 58  
Ion Ratio Lower Upper  
122 100  
105 130.9 104.0 144.0  
77 520.6 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

Instrument :

BNA\_M

ClientSampleId :

SB-04-(1-5)

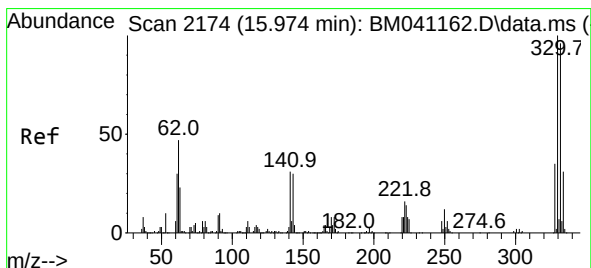
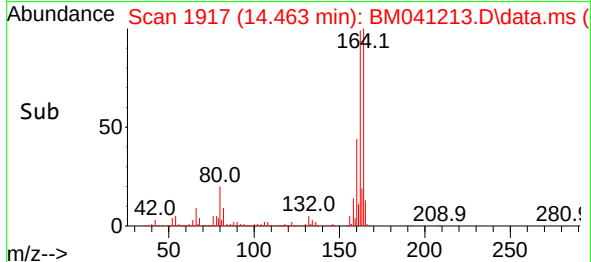
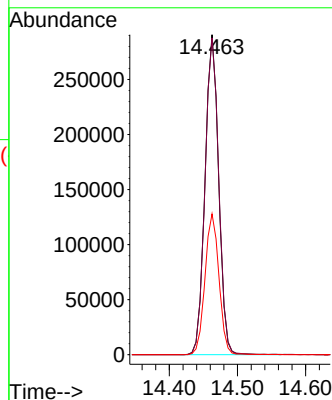
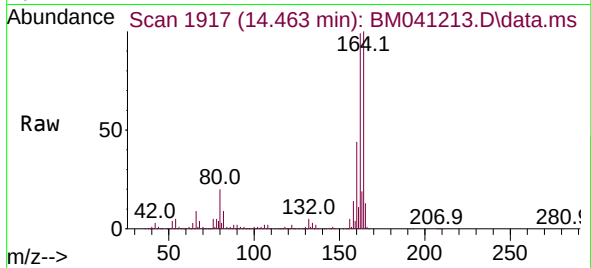
Tgt Ion:164 Resp: 403610

Ion Ratio Lower Upper

164 100

162 99.0 80.4 120.6

160 44.0 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 101.679 ng

RT: 15.962 min Scan# 2172

Delta R.T. -0.000 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

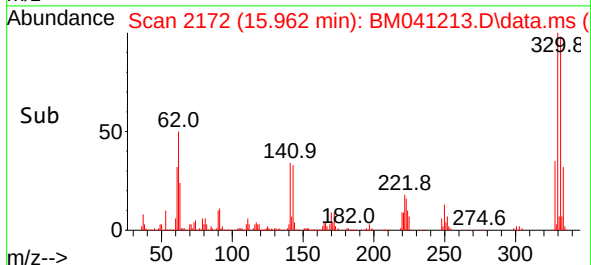
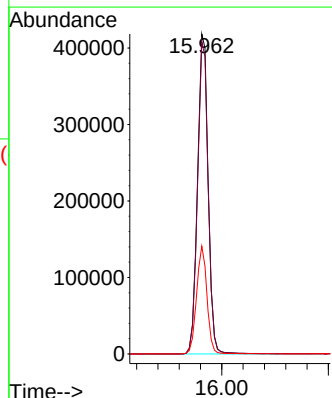
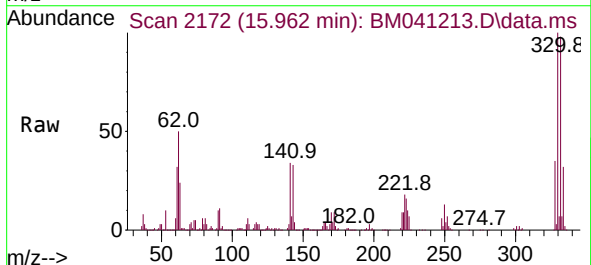
Tgt Ion:330 Resp: 580470

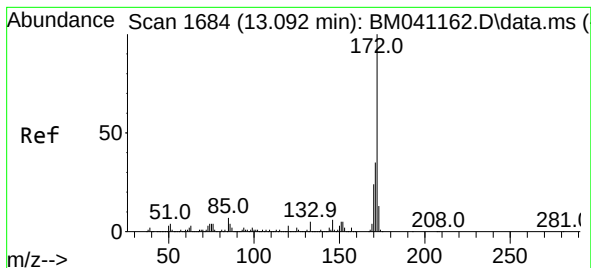
Ion Ratio Lower Upper

330 100

332 97.3 77.7 116.5

141 33.1 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 72.940 ng

RT: 13.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

Instrument :

BNA\_M

ClientSampleId :

SB-04-(1-5)

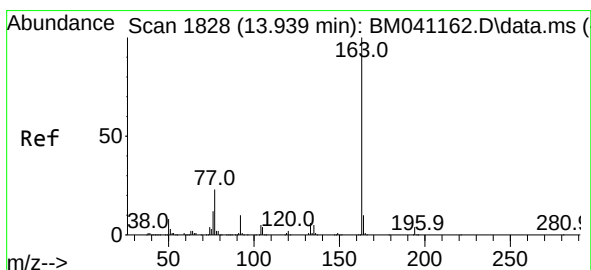
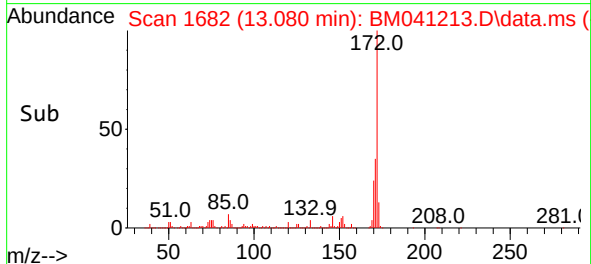
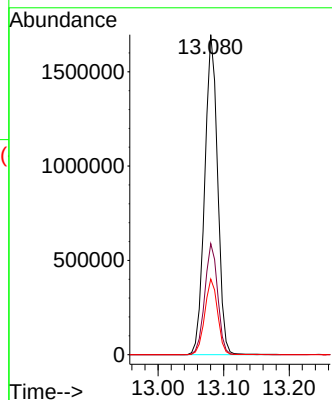
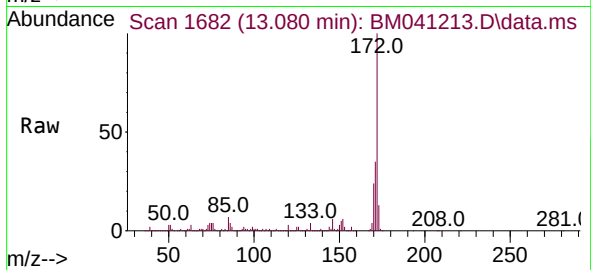
Tgt Ion:172 Resp: 2330458

Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.6 18.9 28.3



#50

Dimethylphthalate

Concen: 3.546 ng

RT: 13.927 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

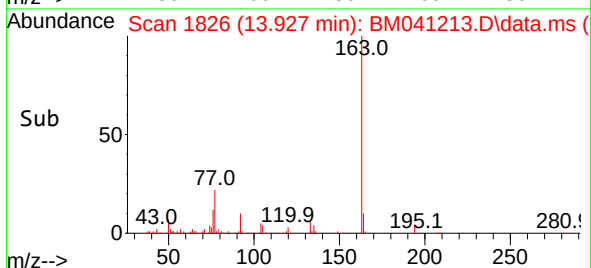
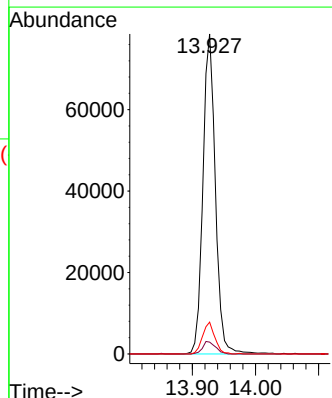
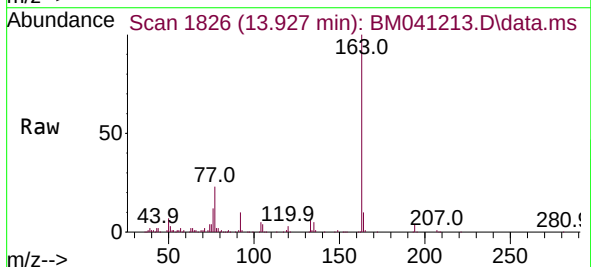
Tgt Ion:163 Resp: 107672

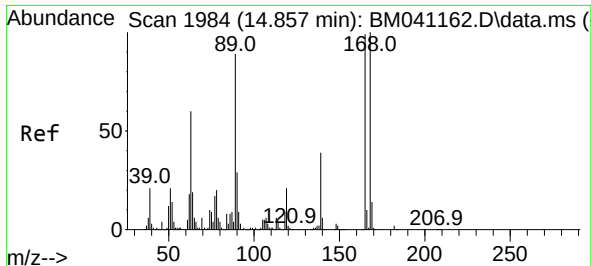
Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

164 10.0 8.3 12.5

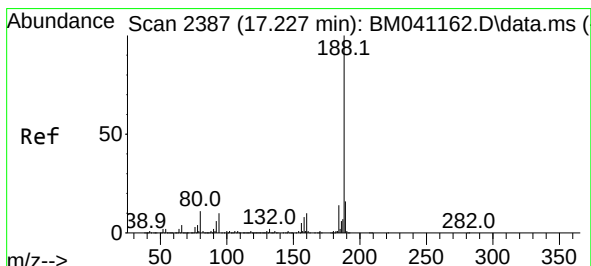
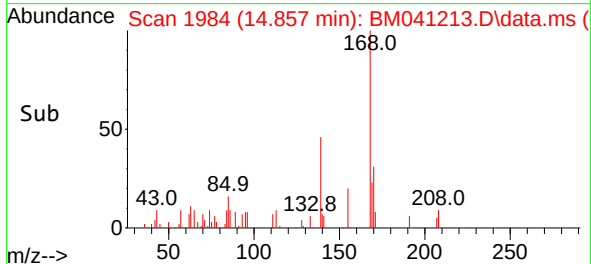
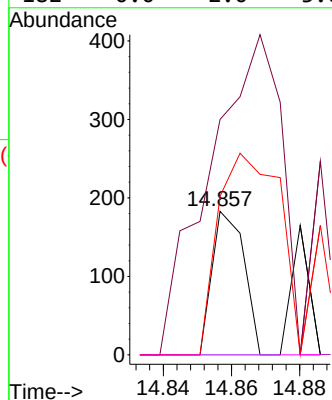
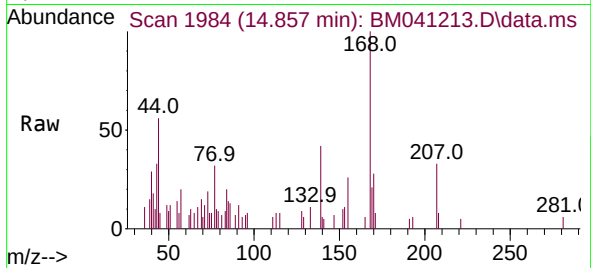




#57  
2,4-Dinitrotoluene  
Concen: 2.683 ng  
RT: 14.857 min Scan# 1984  
Delta R.T. 0.006 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

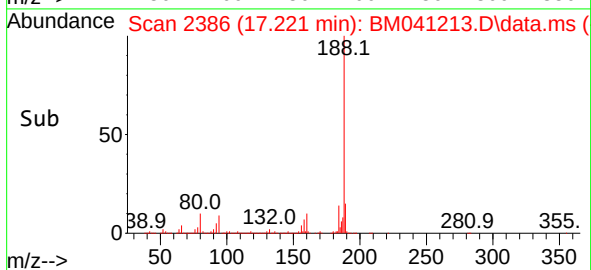
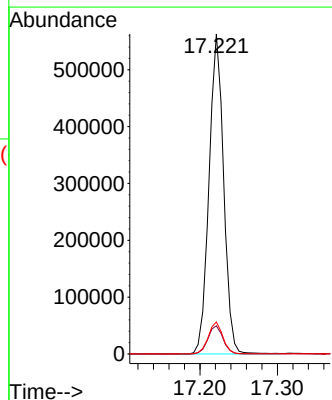
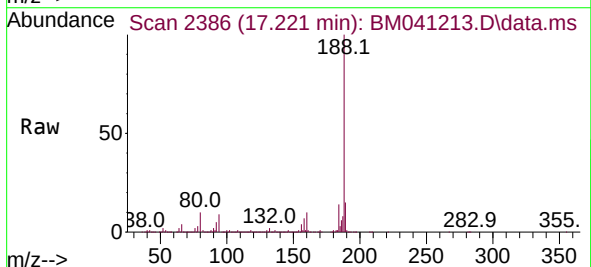
Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

Tgt Ion:165 Resp: 119  
Ion Ratio Lower Upper  
165 100  
63 163.9 48.3 72.5#  
89 110.4 71.8 107.8#  
182 0.0 2.0 3.0#

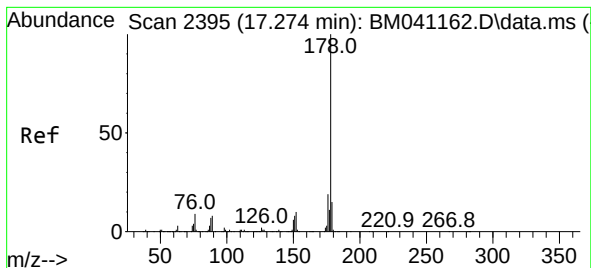


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.221 min Scan# 2386  
Delta R.T. -0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion:188 Resp: 737278  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.2 12.2  
80 10.0 8.6 13.0







#71

Phenanthrene

Concen: 2.643 ng

RT: 17.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

Instrument :

BNA\_M

ClientSampleId :

SB-04-(1-5)

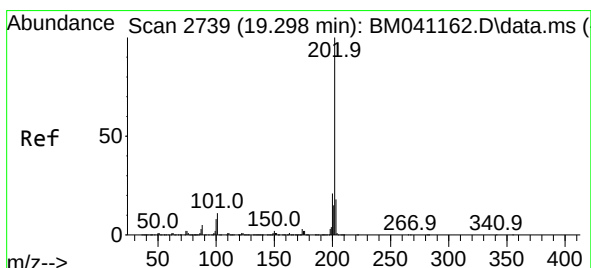
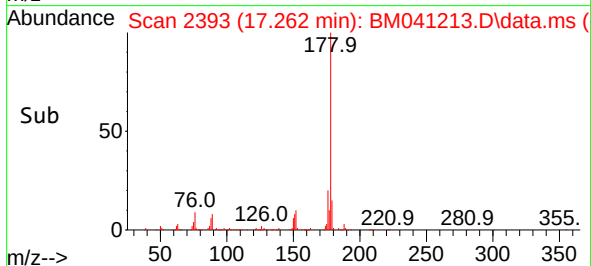
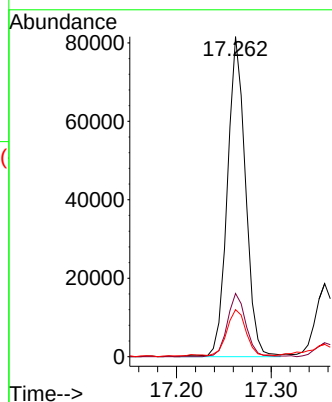
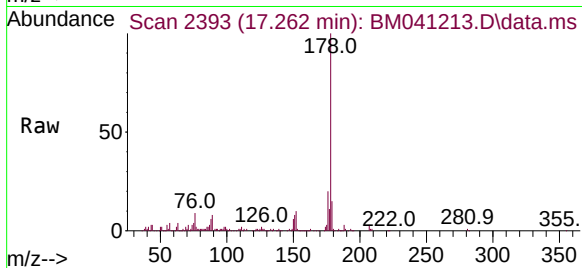
Tgt Ion:178 Resp: 108259

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 14.7 12.1 18.1



#75

Fluoranthene

Concen: 3.998 ng

RT: 19.292 min Scan# 2738

Delta R.T. -0.000 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

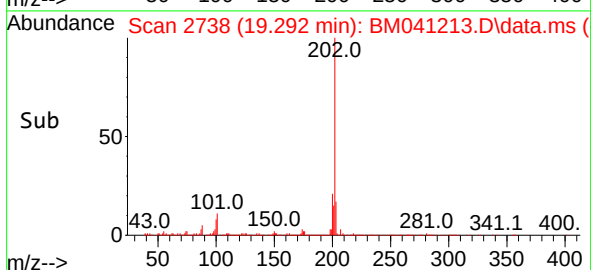
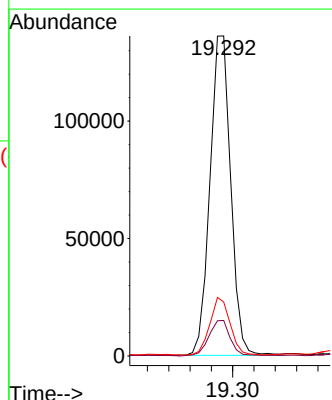
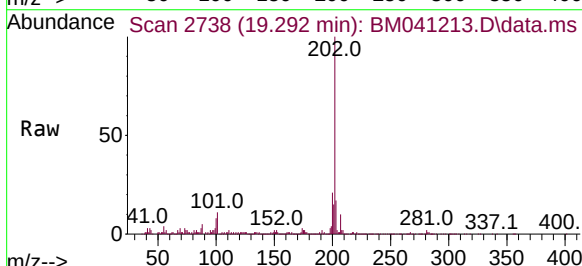
Tgt Ion:202 Resp: 184010

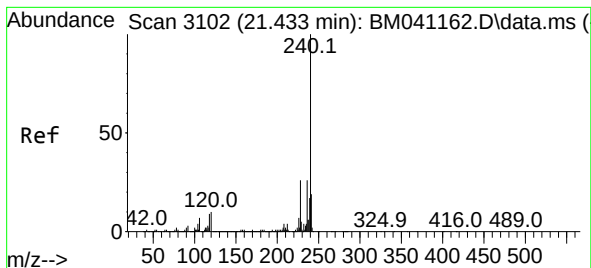
Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.8

203 16.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

Instrument :

BNA\_M

ClientSampleId :

SB-04-(1-5)

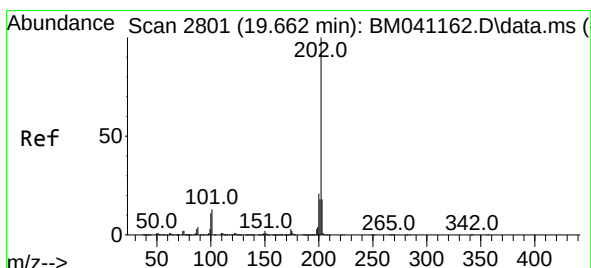
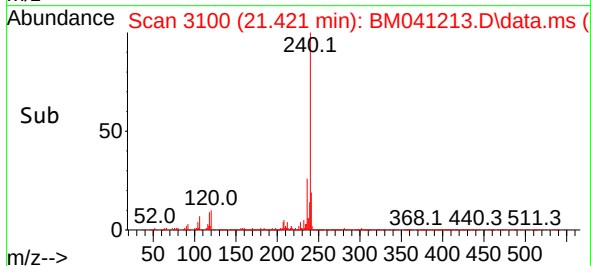
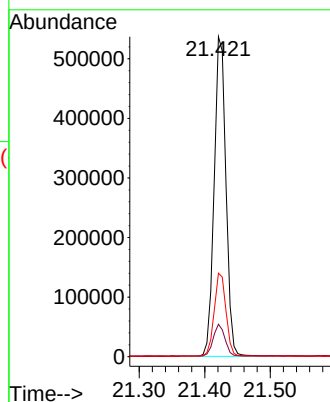
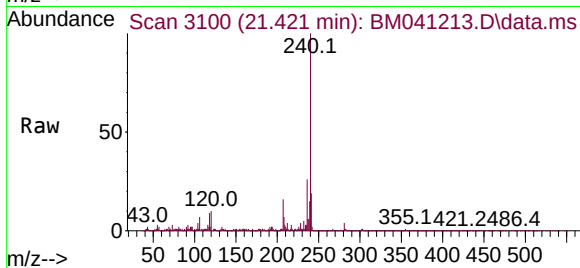
Tgt Ion:240 Resp: 670377

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

236 26.1 20.6 30.8



#78

Pyrene

Concen: 3.354 ng

RT: 19.650 min Scan# 2799

Delta R.T. -0.006 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

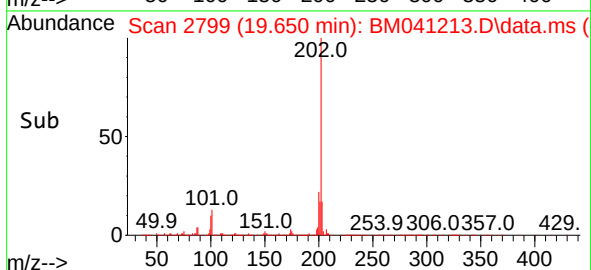
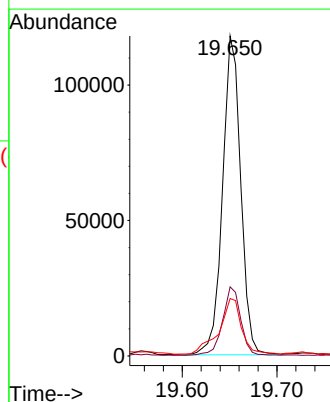
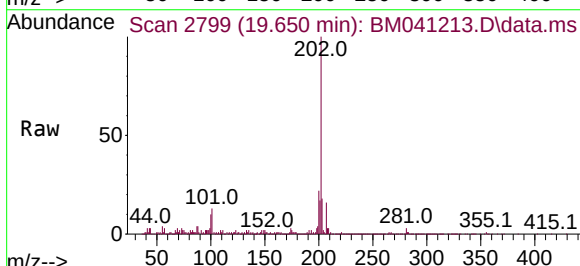
Tgt Ion:202 Resp: 157259

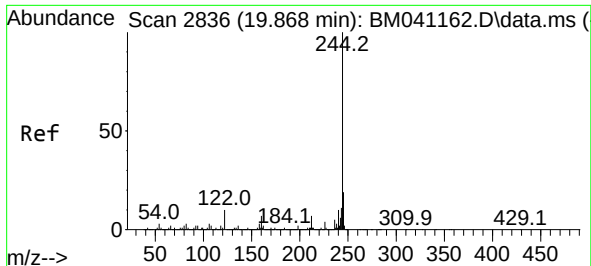
Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 17.9 14.1 21.1

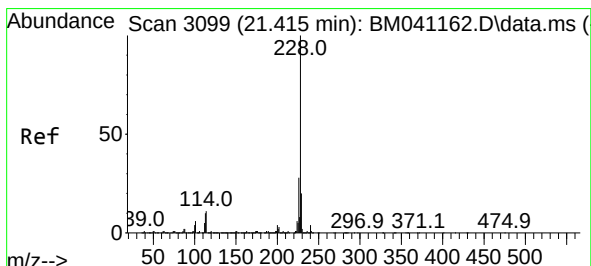
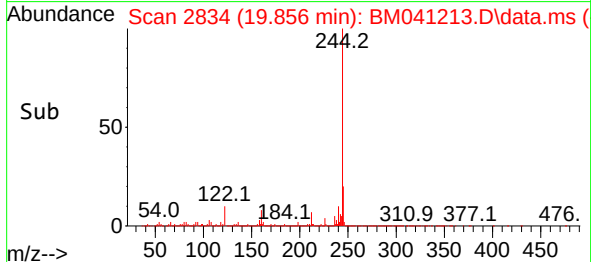
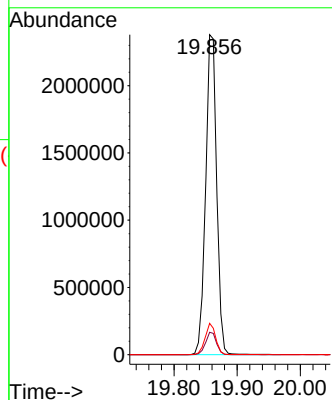
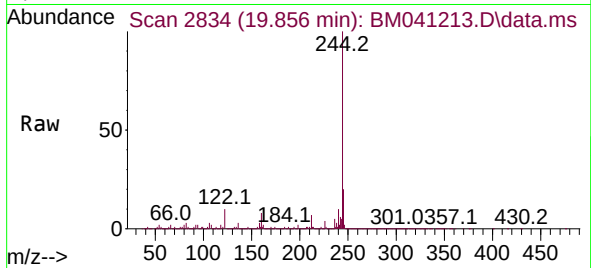




#79  
 Terphenyl-d14  
 Concen: 77.646 ng  
 RT: 19.856 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM041213.D  
 Acq: 01 Aug 2023 06:57

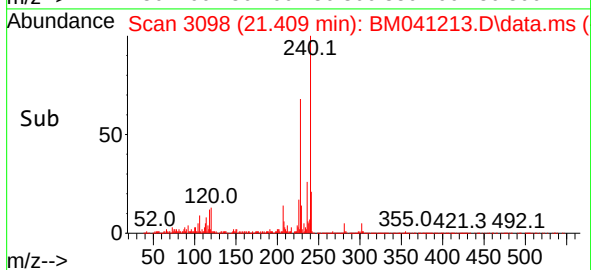
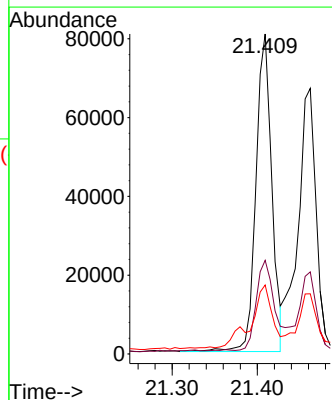
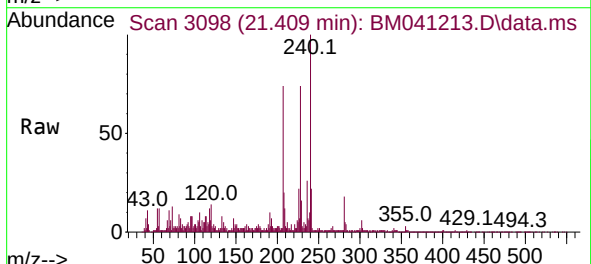
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-04-(1-5)

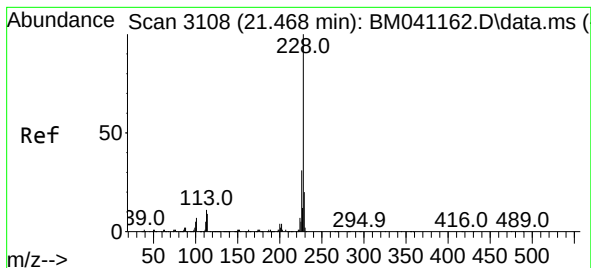
Tgt Ion:244 Resp: 2878893  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 9.8 7.8 11.6



#81  
 Benzo(a)anthracene  
 Concen: 2.300 ng  
 RT: 21.409 min Scan# 3098  
 Delta R.T. -0.000 min  
 Lab File: BM041213.D  
 Acq: 01 Aug 2023 06:57

Tgt Ion:228 Resp: 104530  
 Ion Ratio Lower Upper  
 228 100  
 226 29.3 22.4 33.6  
 229 21.6 15.8 23.8





#83

Chrysene

Concen: 2.159 ng

RT: 21.462 min Scan# 3108

Delta R.T. -0.000 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

Instrument :

BNA\_M

ClientSampleId :

SB-04-(1-5)

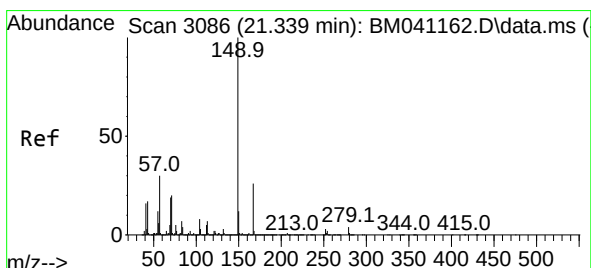
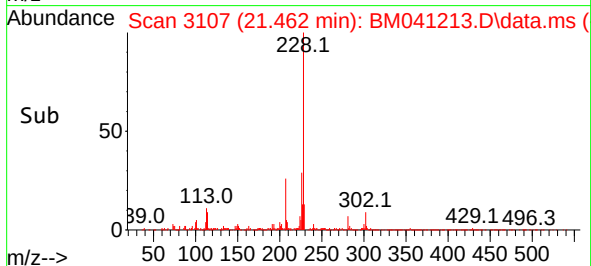
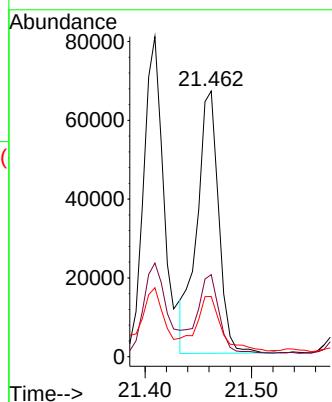
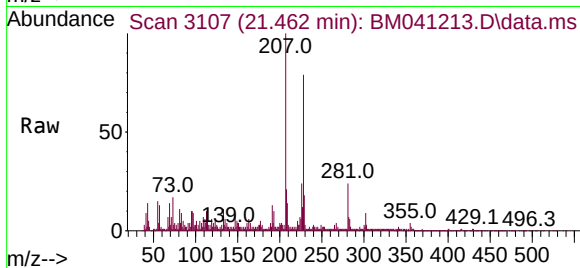
Tgt Ion:228 Resp: 94888

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 22.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.810 ng

RT: 21.327 min Scan# 3084

Delta R.T. -0.012 min

Lab File: BM041213.D

Acq: 01 Aug 2023 06:57

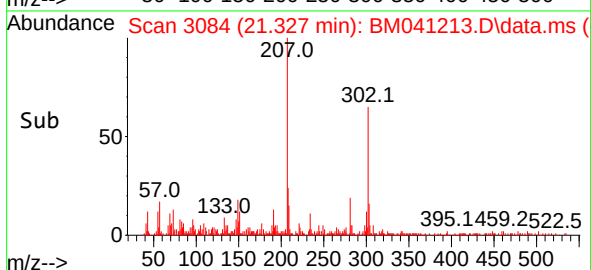
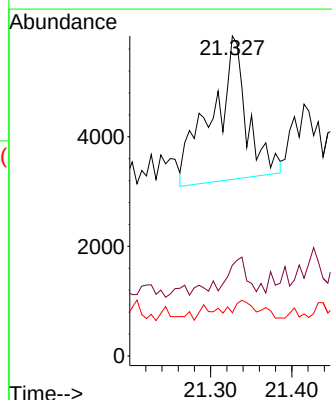
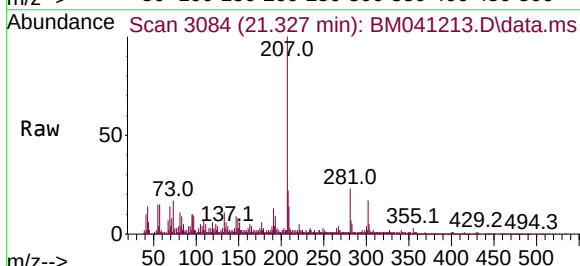
Tgt Ion:149 Resp: 7785

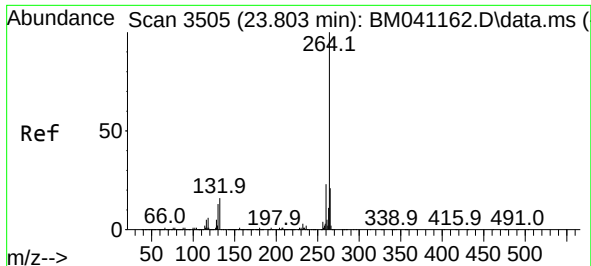
Ion Ratio Lower Upper

149 100

167 28.4 21.0 31.6

279 13.5 3.1 4.7#

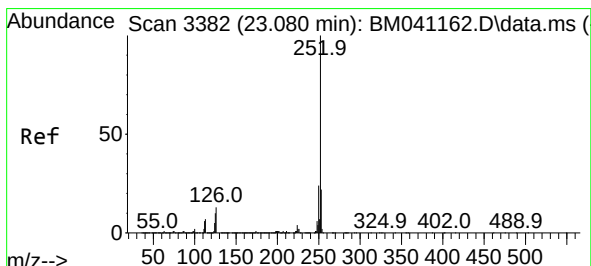
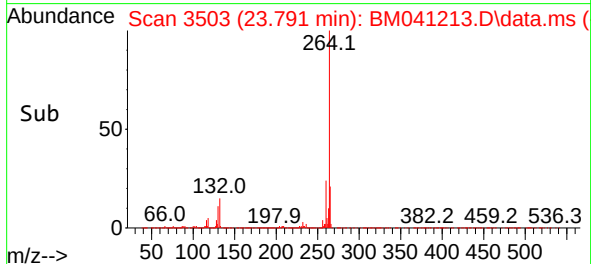
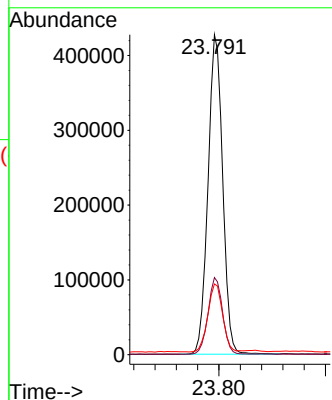
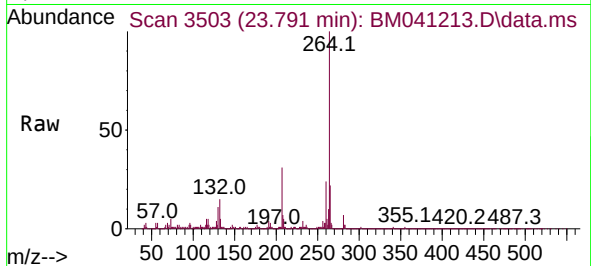




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.791 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

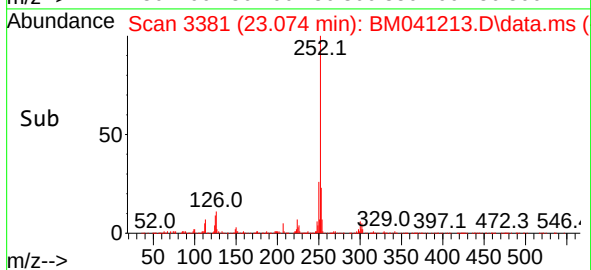
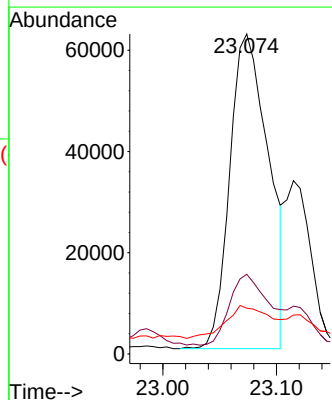
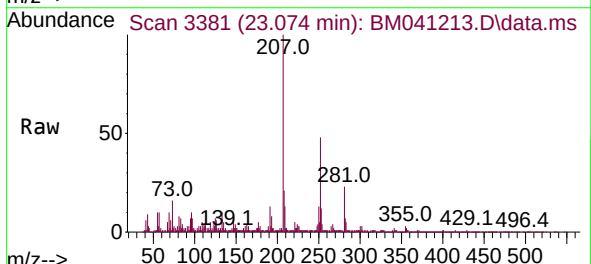
Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

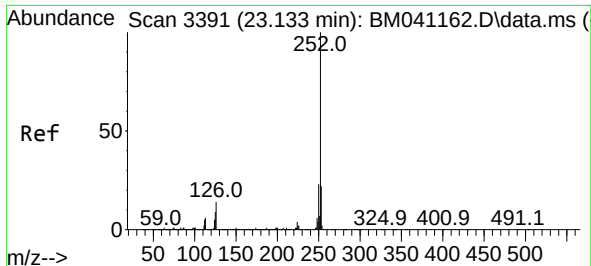
Tgt Ion:264 Resp: 818608  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.5 27.7  
265 22.1 17.4 26.0



#88  
Benzo(b)fluoranthene  
Concen: 3.032 ng  
RT: 23.074 min Scan# 3381  
Delta R.T. -0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion:252 Resp: 147465  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.7 26.5  
125 14.3 8.2 12.4#

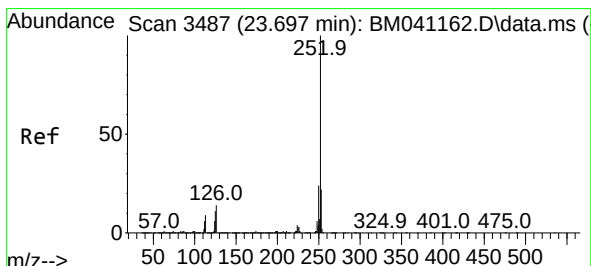
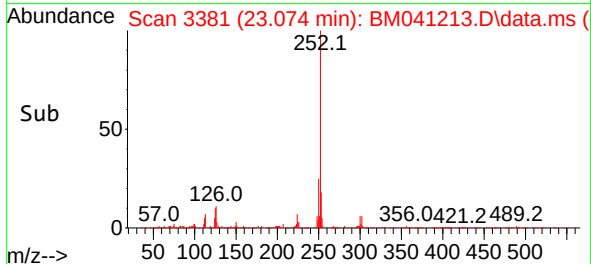
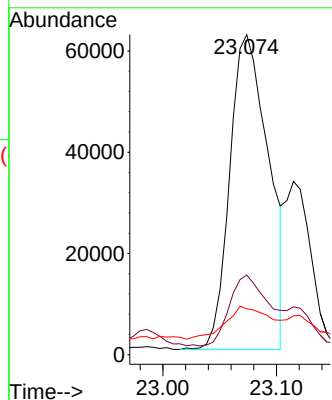
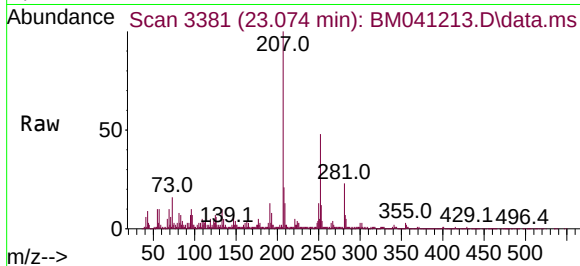




#89  
Benzo(k)fluoranthene  
Concen: 2.964 ng  
RT: 23.074 min Scan# 31  
Delta R.T. -0.047 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Instrument :  
BNA\_M  
ClientSampleId :  
SB-04-(1-5)

Tgt Ion:252 Resp: 147465  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.4 26.0  
125 14.3 7.6 11.4#



#90  
Benzo(a)pyrene  
Concen: 2.120 ng  
RT: 23.691 min Scan# 3486  
Delta R.T. -0.000 min  
Lab File: BM041213.D  
Acq: 01 Aug 2023 06:57

Tgt Ion:252 Resp: 99068  
Ion Ratio Lower Upper  
252 100  
253 25.0 17.3 25.9  
125 14.7 9.0 13.4#

