

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080724\  
 Data File : BM047071.D  
 Acq On : 08 Aug 2024 01:25  
 Operator : RC/JU  
 Sample : SST0.282  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.2002

Quant Time: Aug 08 05:40:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM080724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 08 05:39:24 2024  
 Response via : Initial Calibration

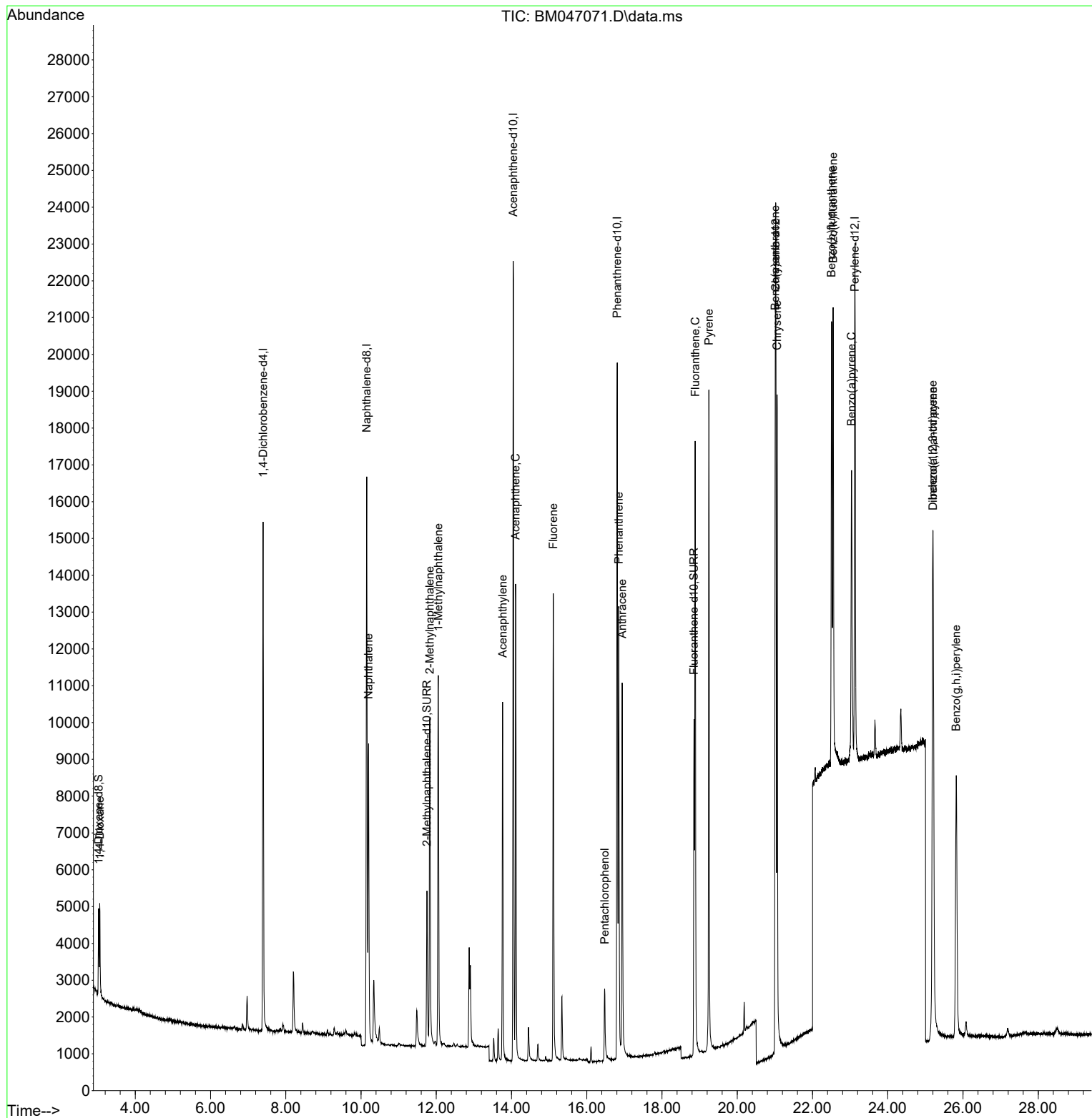
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.397  | 152  | 7122     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.151 | 136  | 21555    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.045 | 164  | 12338    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.809 | 188  | 23880    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.024 | 240  | 18530    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.125 | 264  | 17562    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.026  | 96   | 1435     | 0.288 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.751 | 152  | 6301     | 0.184 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.850 | 212  | 10646    | 0.176 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.055  | 88   | 1676     | 0.294 | ng/ul# | 88       |
| 5) Naphthalene              | 10.201 | 128  | 11230    | 0.206 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.828 | 142  | 7246     | 0.193 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.054 | 142  | 7556     | 0.195 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.763 | 152  | 11254    | 0.199 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.110 | 153  | 7682     | 0.200 | ng/ul  | 98       |
| 12) Fluorene                | 15.109 | 166  | 8820     | 0.184 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.475 | 266  | 1704     | 0.158 | ng/ul  | 95       |
| 15) Phenanthrene            | 16.851 | 178  | 13748    | 0.200 | ng/ul  | 99       |
| 16) Anthracene              | 16.940 | 178  | 12055    | 0.189 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.882 | 202  | 15026    | 0.185 | ng/ul  | 99       |
| 20) Pyrene                  | 19.245 | 202  | 15874    | 0.189 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.010 | 228  | 13845    | 0.179 | ng/ul  | 99       |
| 22) Chrysene                | 21.059 | 228  | 15212    | 0.194 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.505 | 252  | 14453    | 0.187 | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 22.549 | 252  | 15064    | 0.194 | ng/ul# | 87       |
| 26) Benzo(a)pyrene          | 23.038 | 252  | 11375    | 0.206 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.196 | 276  | 16976    | 0.199 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.206 | 278  | 13227    | 0.212 | ng/ul  | 93       |
| 29) Benzo(g,h,i)perylene    | 25.820 | 276  | 14163    | 0.189 | ng/ul  | 96       |

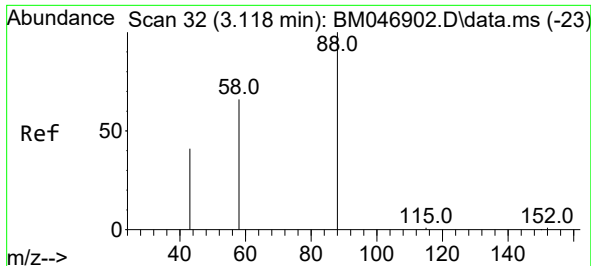
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080724\  
Data File : BM047071.D  
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Sample : SST0.282  
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ALS Vial : 52 Sample Multiplier: 1

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Quant Time: Aug 08 05:40:24 2024  
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QLast Update : Thu Aug 08 05:39:24 2024  
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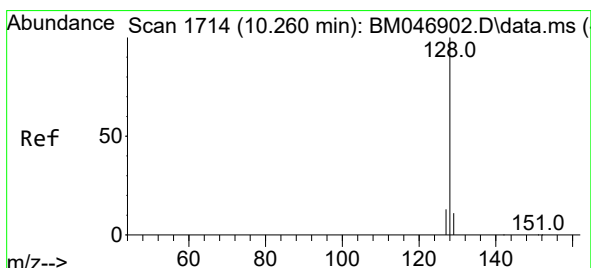
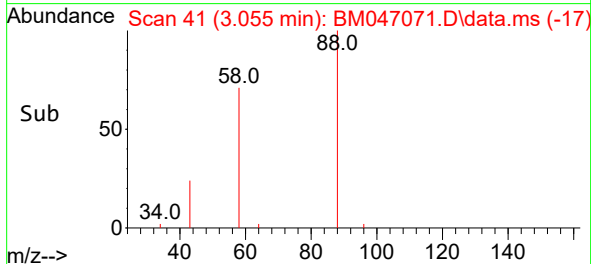
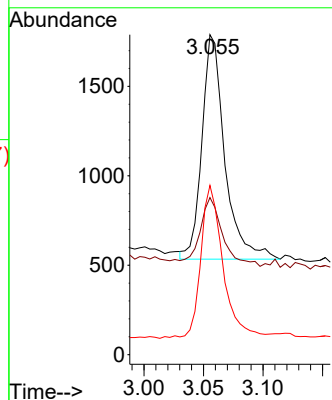
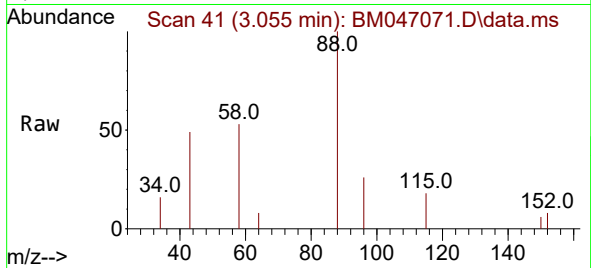




#2  
1,4-Dioxane  
Concen: 0.294 ng/ul  
RT: 3.055 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

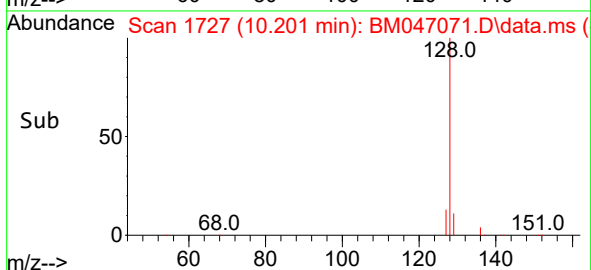
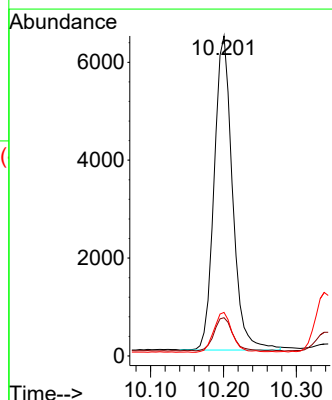
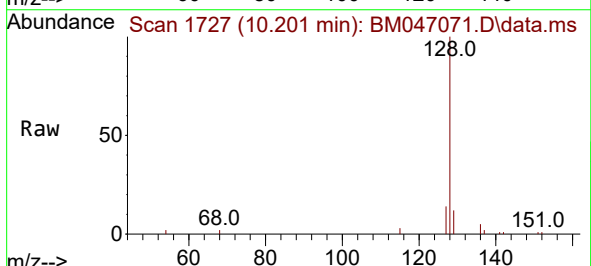
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

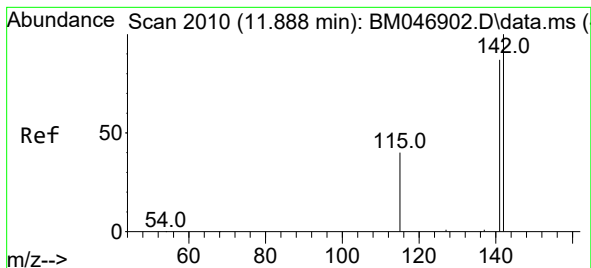
Tgt Ion: 88 Resp: 1676  
Ion Ratio Lower Upper  
88 100  
43 49.1 32.0 48.0#  
58 52.9 48.1 72.1



#5  
Naphthalene  
Concen: 0.206 ng/ul  
RT: 10.201 min Scan# 1727  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion: 128 Resp: 11230  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.9 13.3  
127 13.6 10.6 15.8

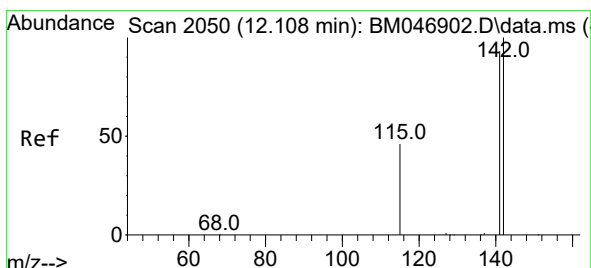
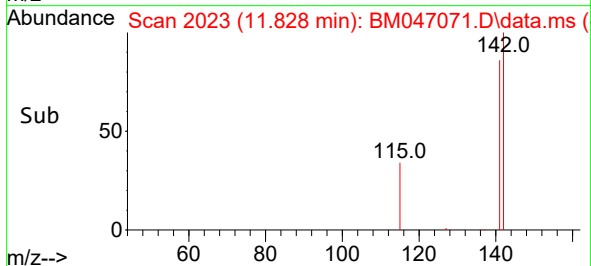
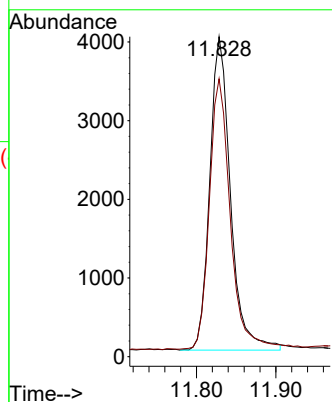
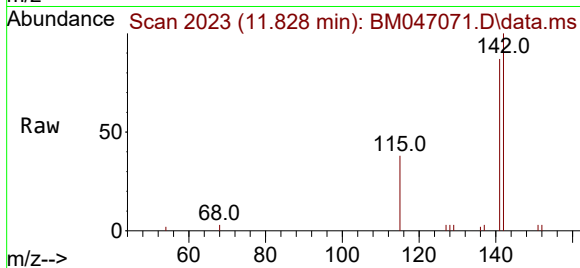




#7  
2-Methylnaphthalene  
Concen: 0.193 ng/ul  
RT: 11.828 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

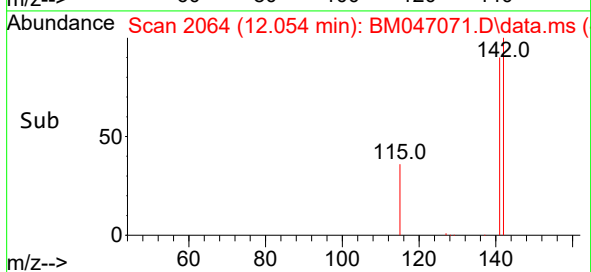
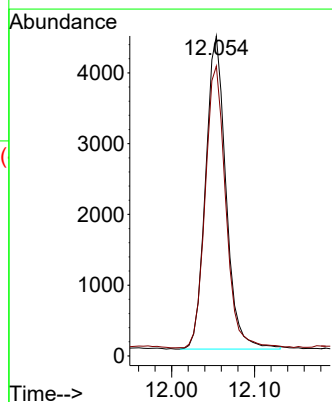
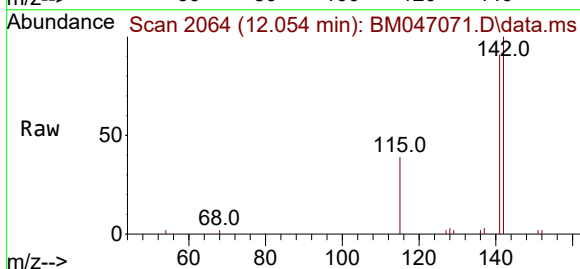
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

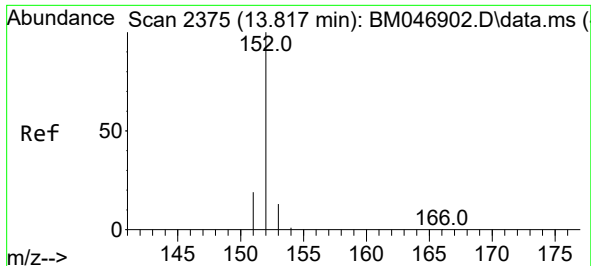
Tgt Ion:142 Resp: 7246  
Ion Ratio Lower Upper  
142 100  
141 86.7 70.0 105.0



#8  
1-Methylnaphthalene  
Concen: 0.195 ng/ul  
RT: 12.054 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion:142 Resp: 7556  
Ion Ratio Lower Upper  
142 100  
141 90.4 72.6 109.0

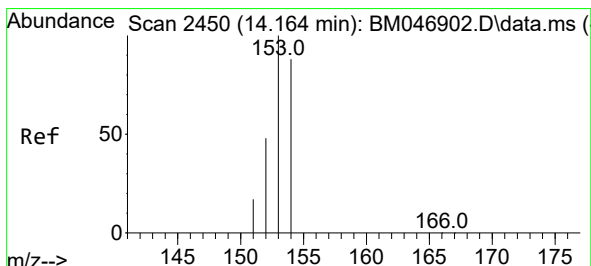
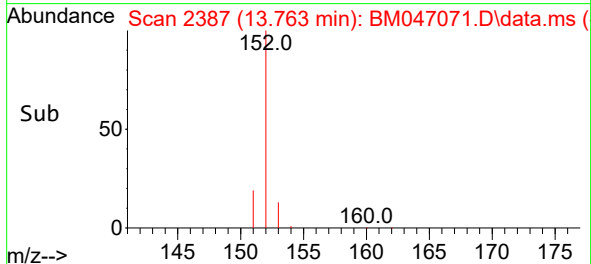
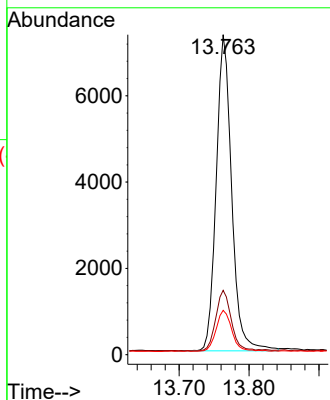
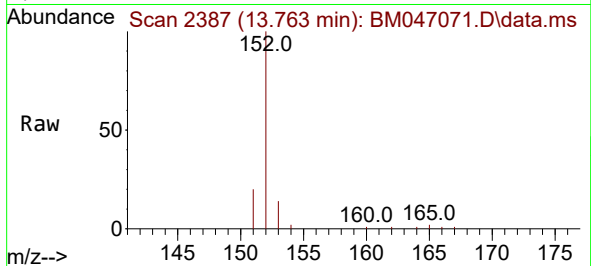




#10  
Acenaphthylene  
Concen: 0.199 ng/ul  
RT: 13.763 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

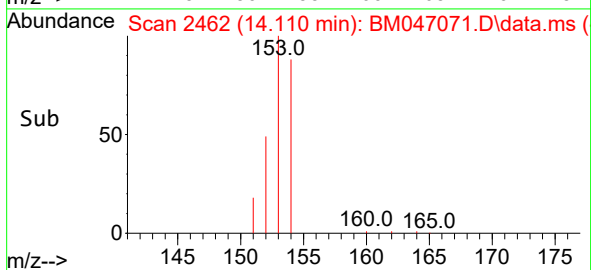
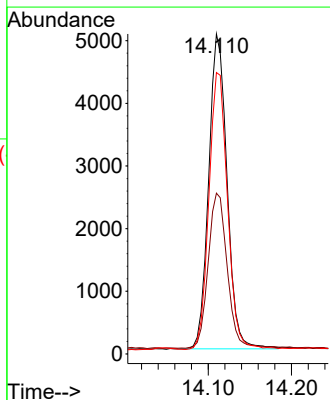
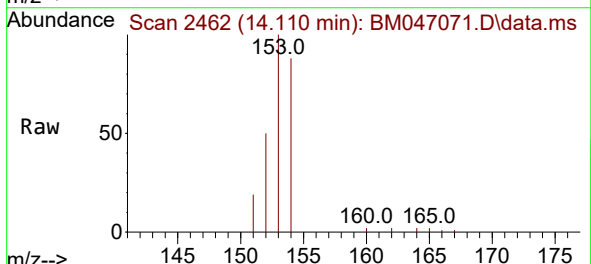
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

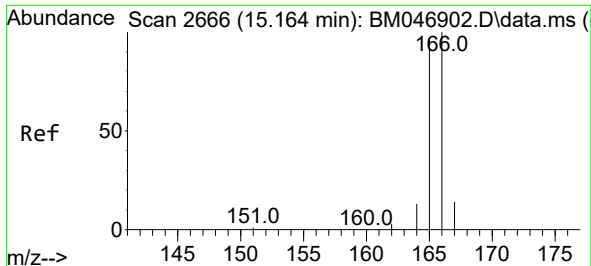
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 11254     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 20.1  | 15.8 23.6 |
| 153         | 13.8  | 10.8 16.2 |



#11  
Acenaphthene  
Concen: 0.200 ng/ul  
RT: 14.110 min Scan# 2462  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 7682       |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 50.2  | 41.6 62.4  |
| 154         | 87.9  | 71.1 106.7 |

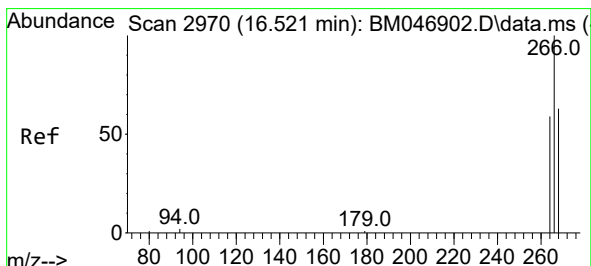
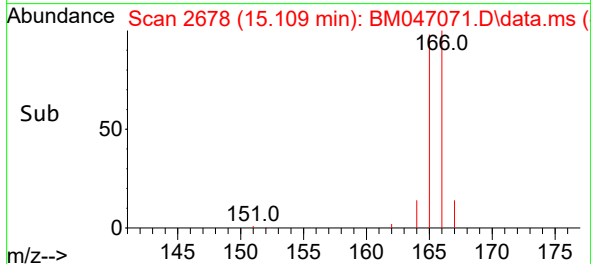
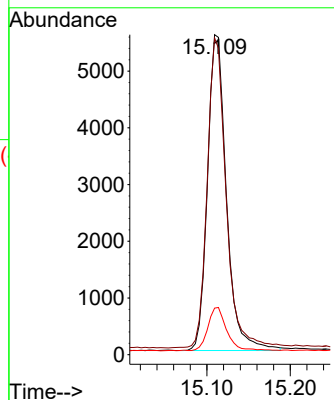
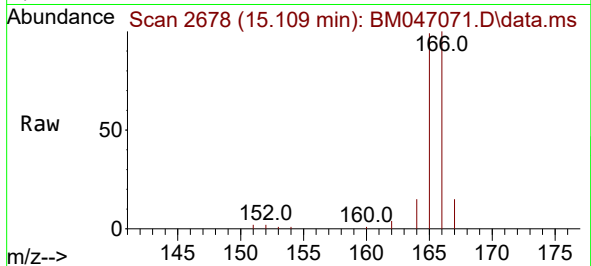




#12  
Fluorene  
Concen: 0.184 ng/ul  
RT: 15.109 min Scan# 2  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

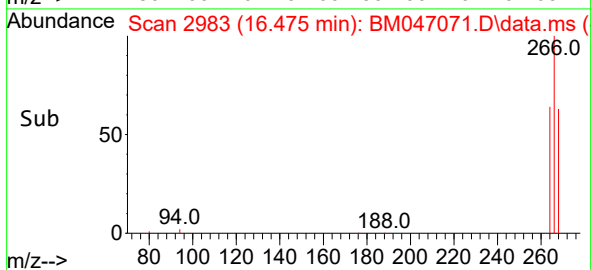
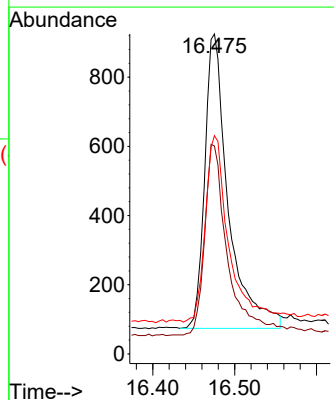
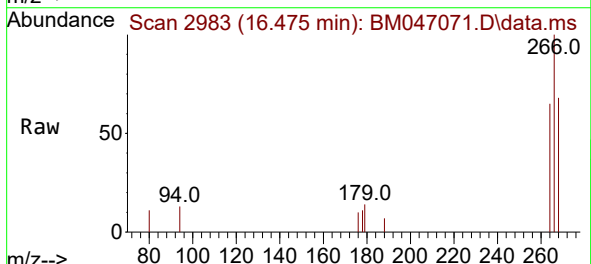
Instrument :  
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ClientSampleId :  
SSTD0.2002

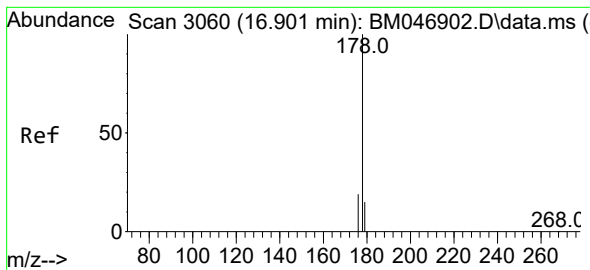
Tgt Ion:166 Resp: 8820  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.2 117.2  
167 14.5 10.7 16.1



#14  
Pentachlorophenol  
Concen: 0.158 ng/ul  
RT: 16.475 min Scan# 2983  
Delta R.T. 0.004 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion:266 Resp: 1704  
Ion Ratio Lower Upper  
266 100  
264 62.9 47.2 70.8  
268 63.7 48.2 72.4





#15

Phenanthrene

Concen: 0.200 ng/ul

RT: 16.851 min Scan# 3060

Delta R.T. 0.004 min

Lab File: BM047071.D

Acq: 08 Aug 2024 01:25

Instrument :

BNA\_M

ClientSampleId :

SSTD0.2002

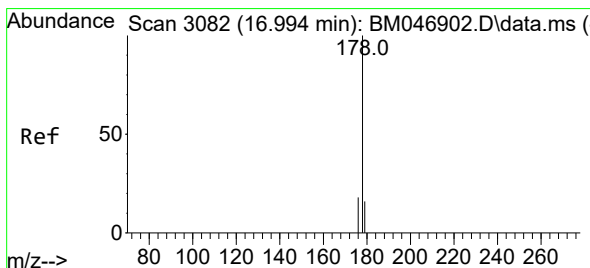
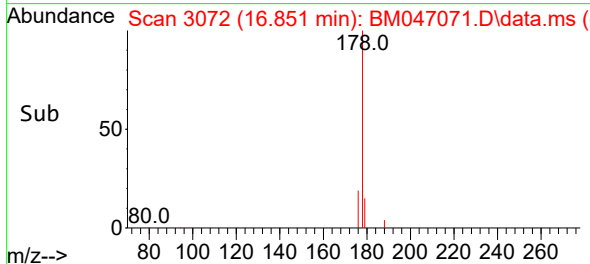
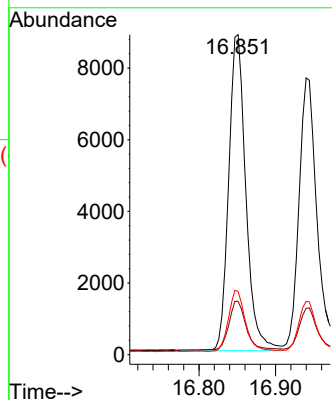
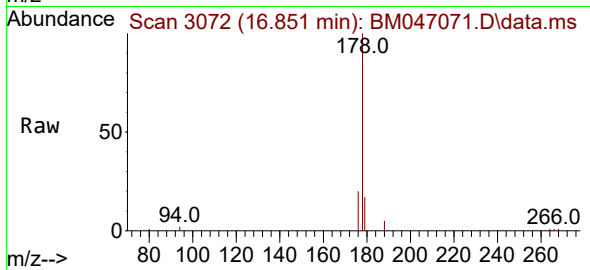
Tgt Ion:178 Resp: 13748

Ion Ratio Lower Upper

178 100

179 16.6 12.7 19.1

176 19.7 15.7 23.5



#16

Anthracene

Concen: 0.189 ng/ul

RT: 16.940 min Scan# 3093

Delta R.T. 0.000 min

Lab File: BM047071.D

Acq: 08 Aug 2024 01:25

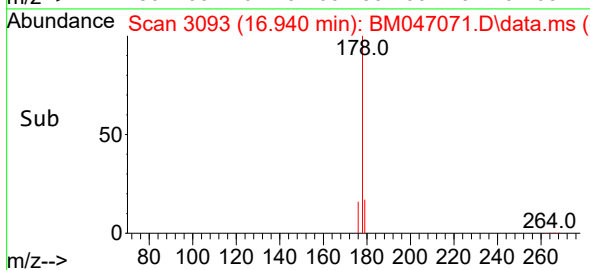
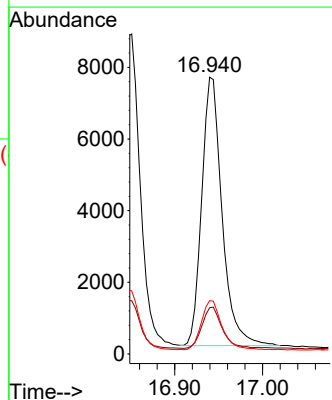
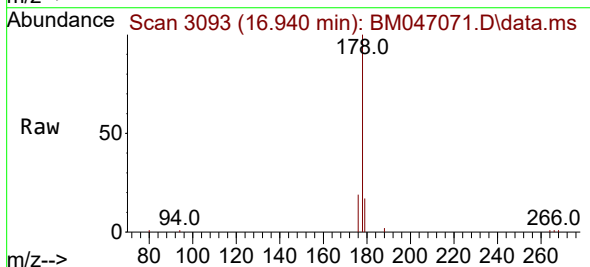
Tgt Ion:178 Resp: 12055

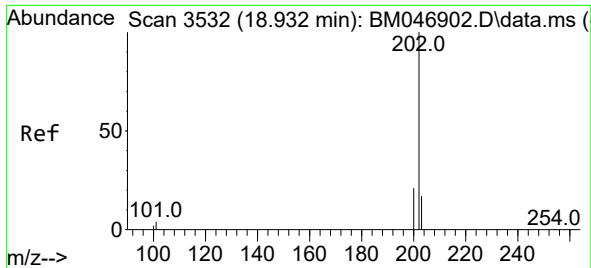
Ion Ratio Lower Upper

178 100

179 16.7 12.7 19.1

176 19.2 15.2 22.8

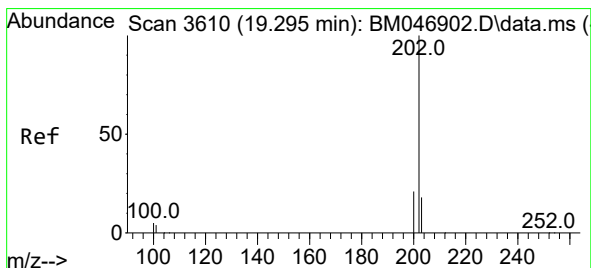
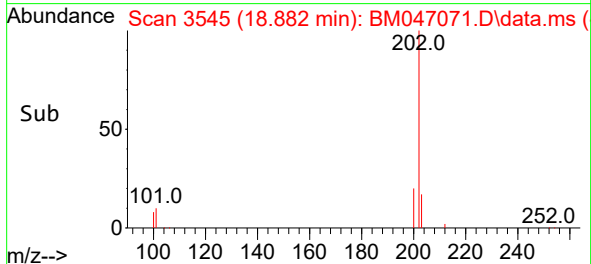
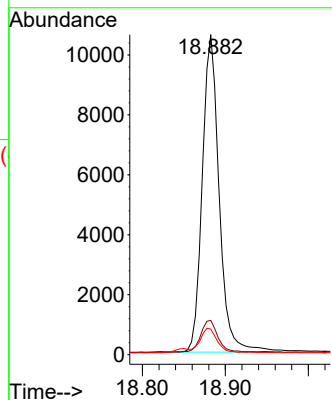
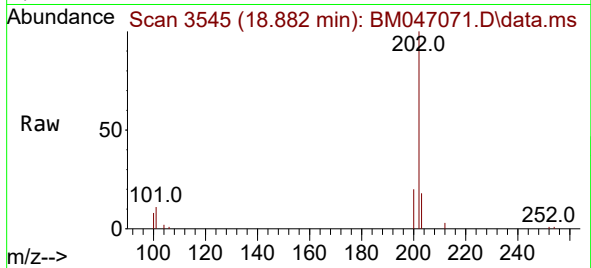




#19  
Fluoranthene  
Concen: 0.185 ng/ul  
RT: 18.882 min Scan# 3545  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

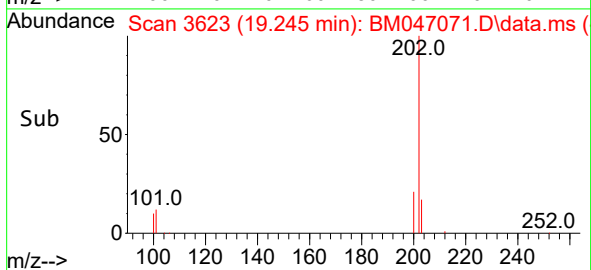
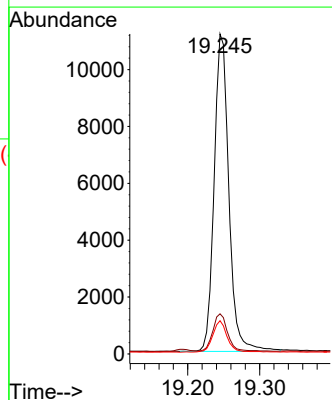
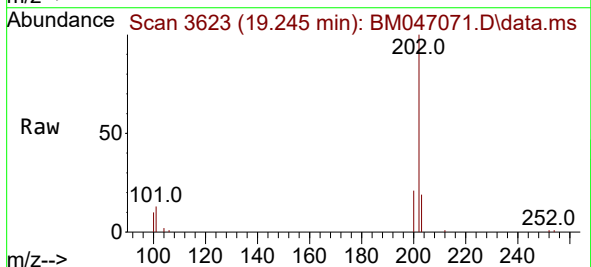
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

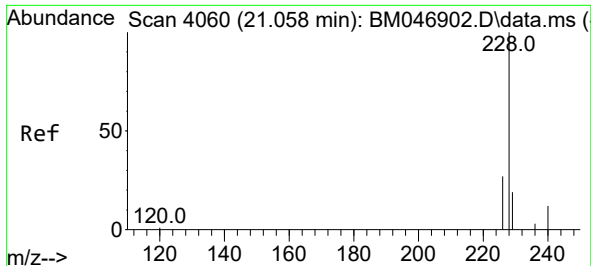
Tgt Ion:202 Resp: 15026  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.2 12.2  
100 8.0 6.0 9.0



#20  
Pyrene  
Concen: 0.189 ng/ul  
RT: 19.245 min Scan# 3623  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

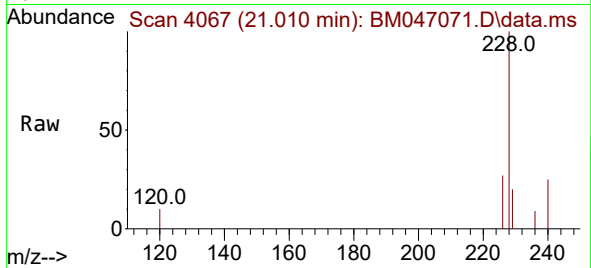
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Ion Ratio Lower Upper  
202 100  
101 12.6 9.8 14.8  
100 10.4 8.0 12.0



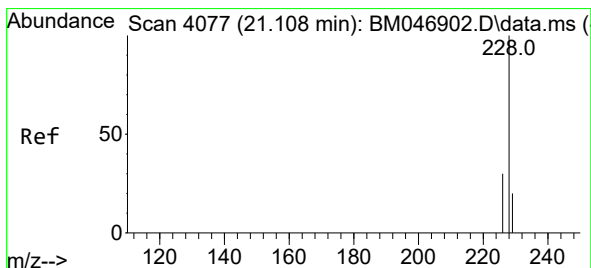
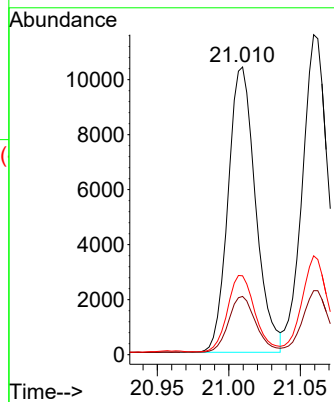
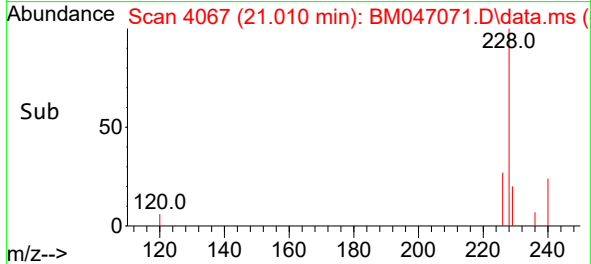


#21  
Benzo(a)anthracene  
Concen: 0.179 ng/ul  
RT: 21.010 min Scan# 4067  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

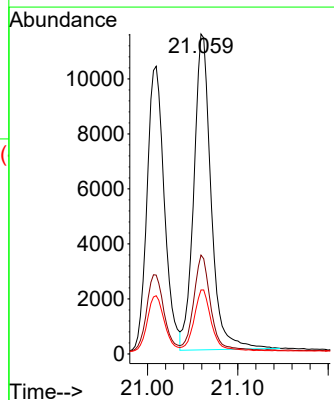
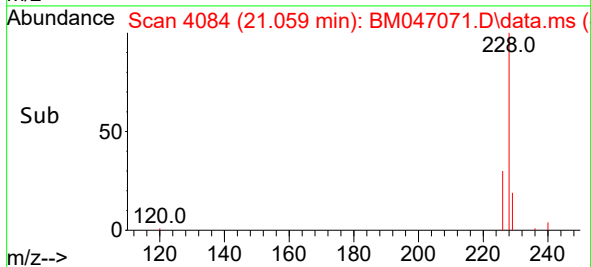
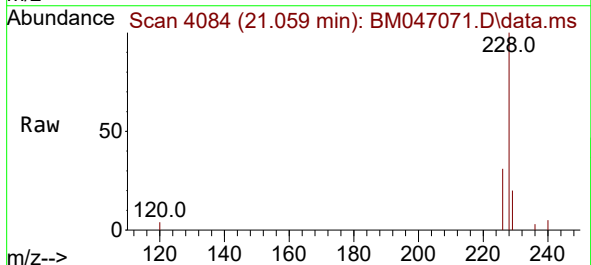


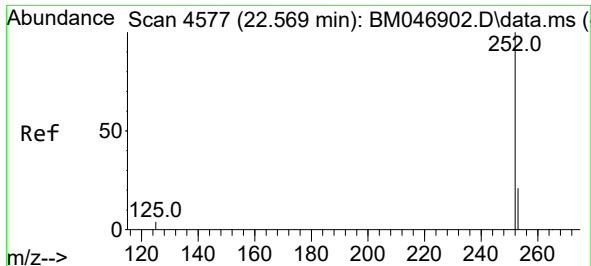
Tgt Ion:228 Resp: 13845  
Ion Ratio Lower Upper  
228 100  
229 20.2 15.9 23.9  
226 27.4 22.1 33.1



#22  
Chrysene  
Concen: 0.194 ng/ul  
RT: 21.059 min Scan# 4084  
Delta R.T. -0.003 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

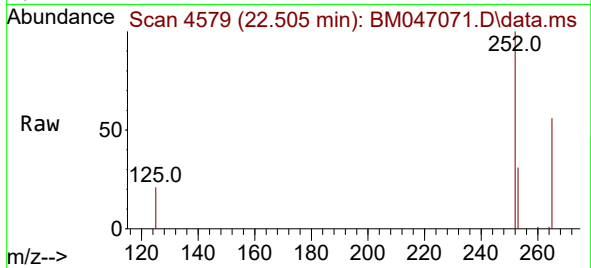
Tgt Ion:228 Resp: 15212  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.9 35.9  
229 20.0 15.7 23.5



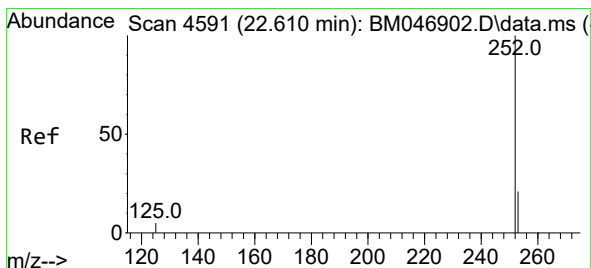
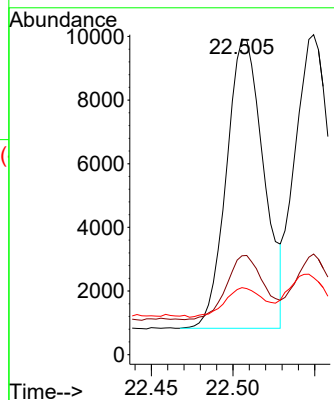


#24  
Benzo(b)fluoranthene  
Concen: 0.187 ng/ul  
RT: 22.505 min Scan# 4579  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

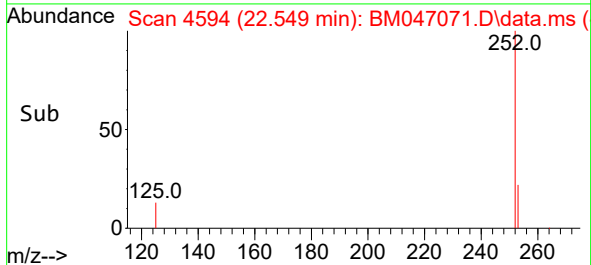
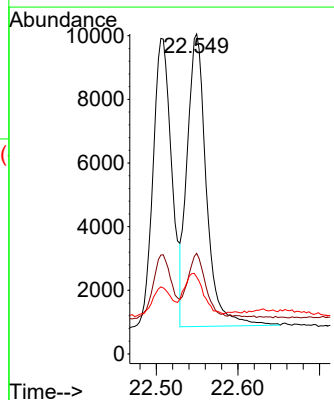
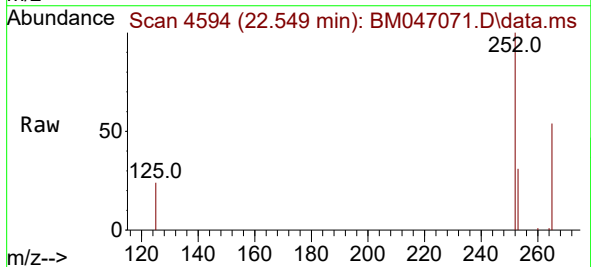


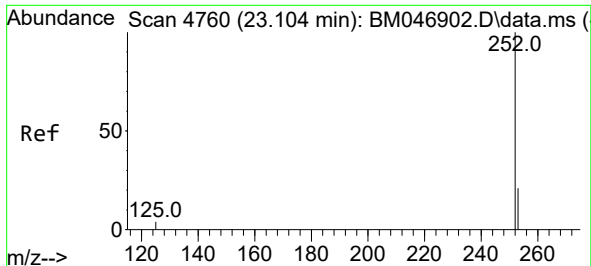
Tgt Ion:252 Resp: 14453  
Ion Ratio Lower Upper  
252 100  
253 31.3 0.0 53.4  
125 21.3 0.0 32.0



#25  
Benzo(k)fluoranthene  
Concen: 0.194 ng/ul  
RT: 22.549 min Scan# 4594  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion:252 Resp: 15064  
Ion Ratio Lower Upper  
252 100  
253 31.5 21.1 31.7  
125 24.1 13.2 19.8#

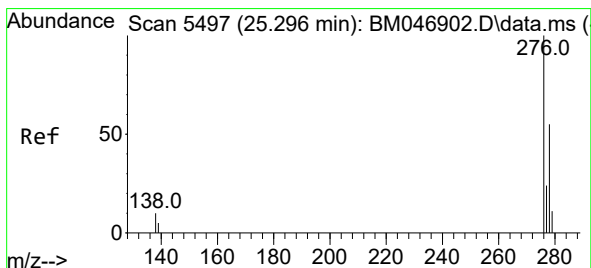
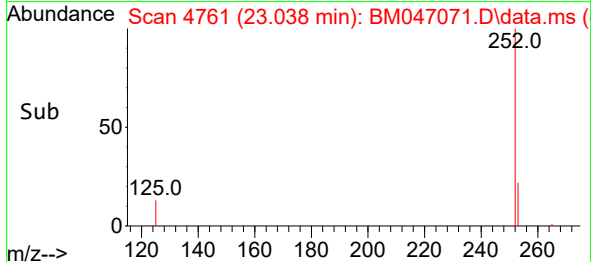
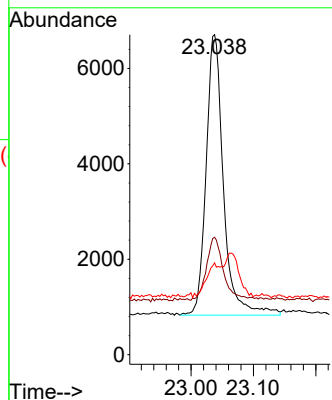
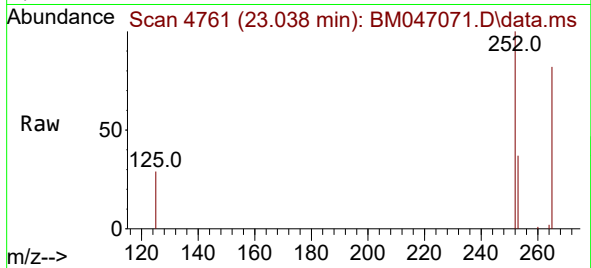




#26  
Benzo(a)pyrene  
Concen: 0.206 ng/ul  
RT: 23.038 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

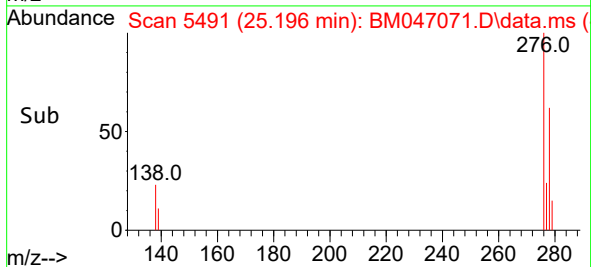
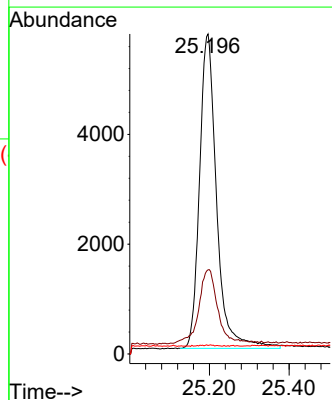
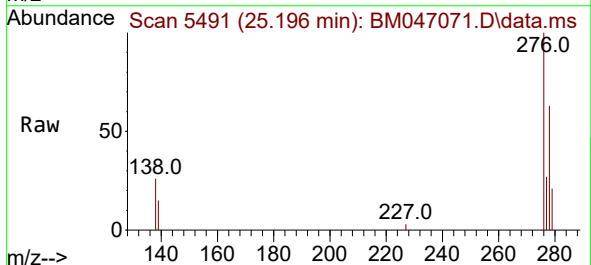
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

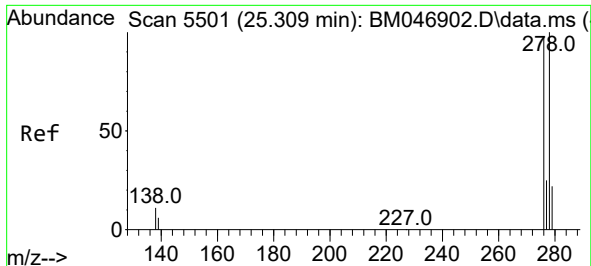
Tgt Ion:252 Resp: 11375  
Ion Ratio Lower Upper  
252 100  
253 36.7 23.6 35.4#  
125 28.7 15.8 23.6#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.199 ng/ul  
RT: 25.196 min Scan# 5491  
Delta R.T. 0.004 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion:276 Resp: 16976  
Ion Ratio Lower Upper  
276 100  
138 26.1 20.1 30.1  
227 0.0 0.2 0.2#

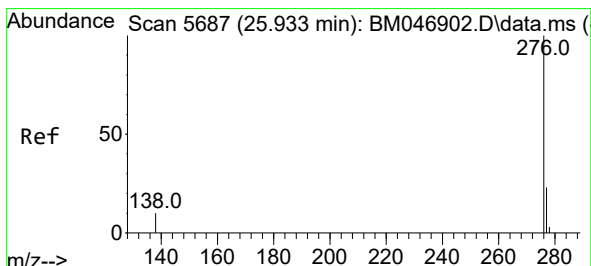
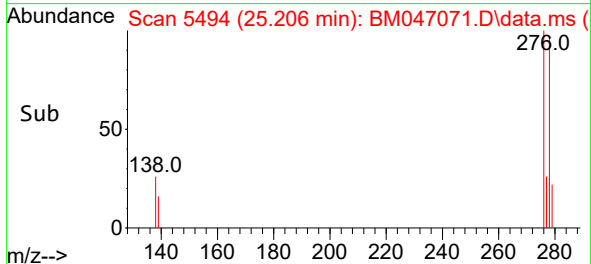
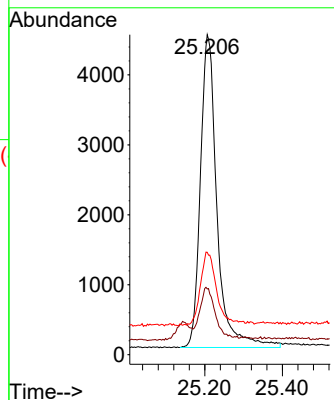
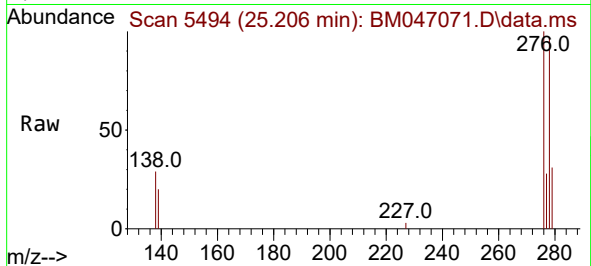




#28  
Dibenzo(a,h)anthracene  
Concen: 0.212 ng/ul  
RT: 25.206 min Scan# 5494  
Delta R.T. -0.003 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2002

Tgt Ion:278 Resp: 13227  
Ion Ratio Lower Upper  
278 100  
139 20.6 14.6 21.8  
279 32.0 22.1 33.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.189 ng/ul  
RT: 25.820 min Scan# 5677  
Delta R.T. 0.000 min  
Lab File: BM047071.D  
Acq: 08 Aug 2024 01:25

Tgt Ion:276 Resp: 14163  
Ion Ratio Lower Upper  
276 100  
138 24.9 18.7 28.1  
277 27.3 19.6 29.4

