

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031524\  
 Data File : BG060675.D  
 Acq On : 15 Mar 2024 22:54  
 Operator : MA/JU  
 Sample : P1767-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-031424

Quant Time: Mar 15 23:43:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 00:45:22 2024  
 Response via : Initial Calibration

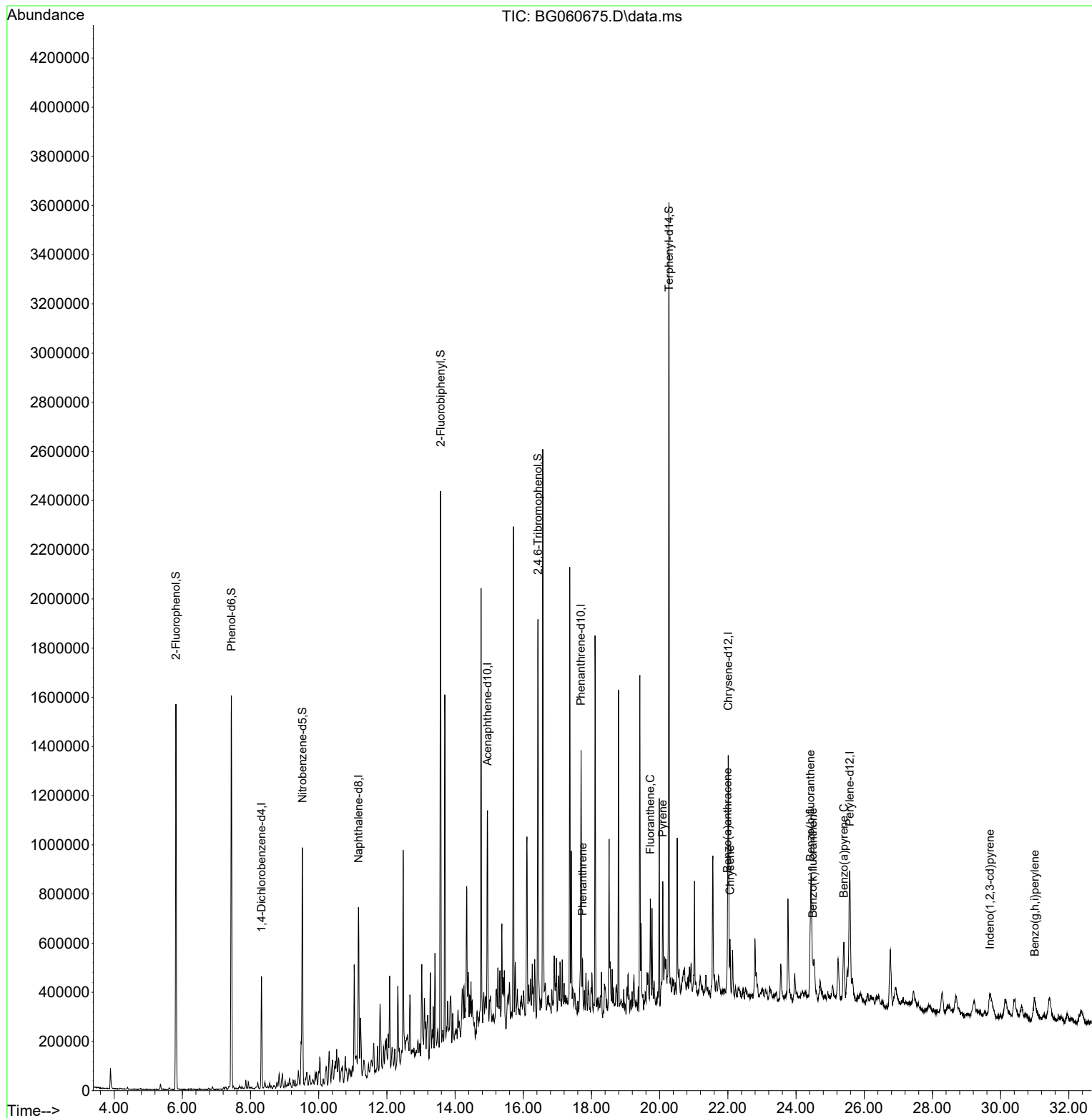
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.323  | 152  | 120569   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.166 | 136  | 530293   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.950 | 164  | 314732   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.694 | 188  | 605220   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 22.013 | 240  | 572659   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 25.573 | 264  | 700526   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.814  | 112  | 661873   | 86.296 | ng    | 0.00     |
| 7) Phenol-d6                | 7.441  | 99   | 907525   | 81.568 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.521  | 82   | 559201   | 54.881 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.431 | 330  | 303776   | 83.293 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.575 | 172  | 1194290  | 51.305 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.273 | 244  | 1583721  | 49.989 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.741 | 178  | 96571    | 2.962  | ng    | 97       |
| 75) Fluoranthene            | 19.727 | 202  | 256651   | 7.117  | ng    | 99       |
| 78) Pyrene                  | 20.091 | 202  | 284374   | 7.116  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.989 | 228  | 167365   | 4.245  | ng    | # 94     |
| 83) Chrysene                | 22.065 | 228  | 191184   | 4.994  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 29.692 | 276  | 222805   | 4.663  | ng    | # 68     |
| 88) Benzo(b)fluoranthene    | 24.422 | 252  | 367582   | 9.538  | ng    | # 96     |
| 89) Benzo(k)fluoranthene    | 24.492 | 252  | 117335m  | 2.898  | ng    |          |
| 90) Benzo(a)pyrene          | 25.403 | 252  | 251187   | 6.648  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 31.002 | 276  | 222926   | 5.676  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

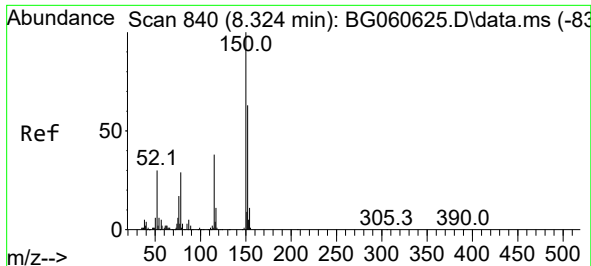
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031524\  
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Instrument :  
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QLast Update : Thu Mar 14 00:45:22 2024  
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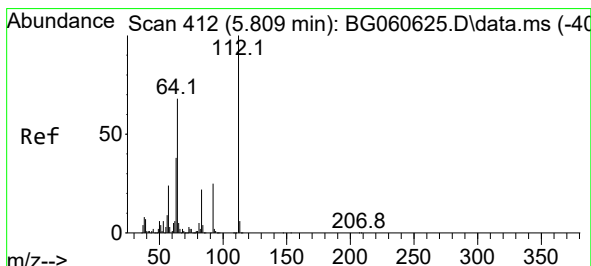
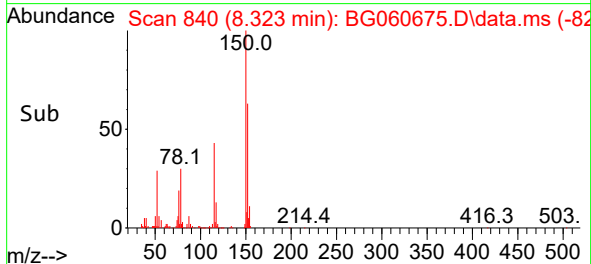
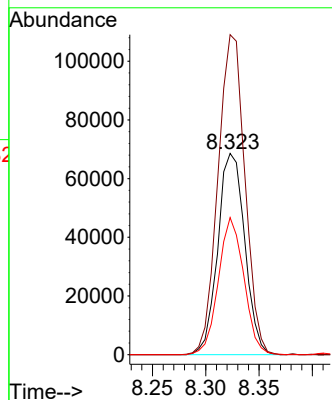
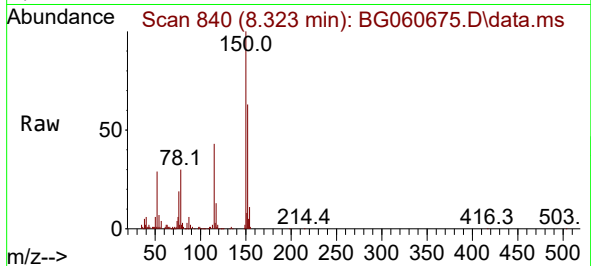




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.323 min Scan# 84  
 Delta R.T. -0.001 min  
 Lab File: BG060675.D  
 Acq: 15 Mar 2024 22:54

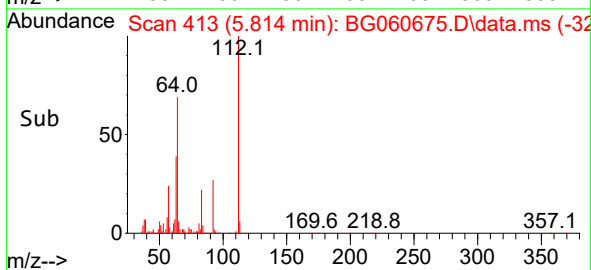
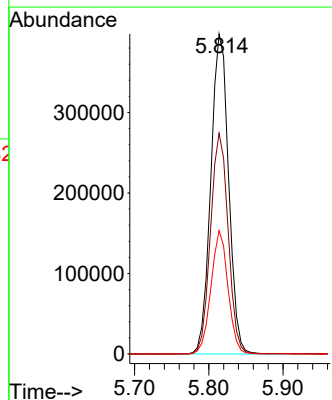
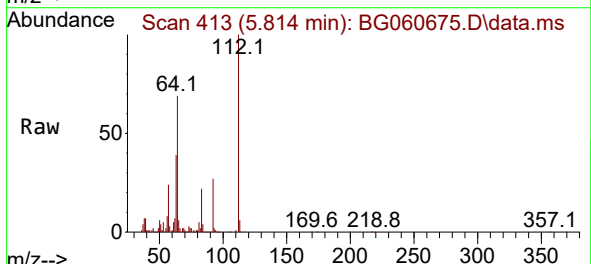
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-031424

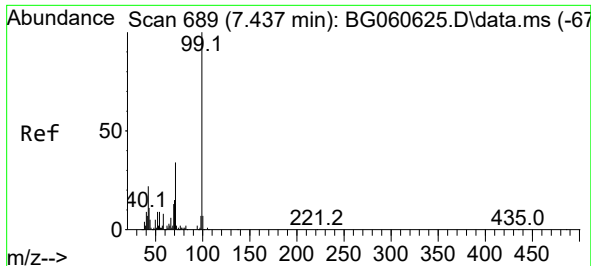
Tgt Ion:152 Resp: 120569  
 Ion Ratio Lower Upper  
 152 100  
 150 159.0 126.6 190.0  
 115 68.1 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 86.296 ng  
 RT: 5.814 min Scan# 413  
 Delta R.T. 0.005 min  
 Lab File: BG060675.D  
 Acq: 15 Mar 2024 22:54

Tgt Ion:112 Resp: 661873  
 Ion Ratio Lower Upper  
 112 100  
 64 69.0 54.1 81.1  
 63 38.6 30.3 45.5

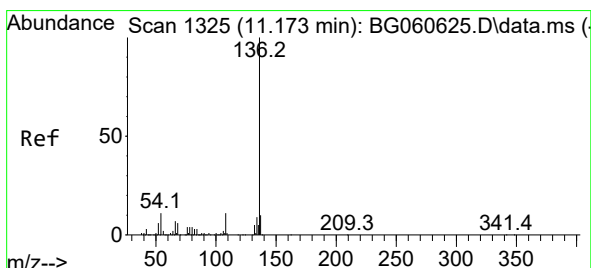
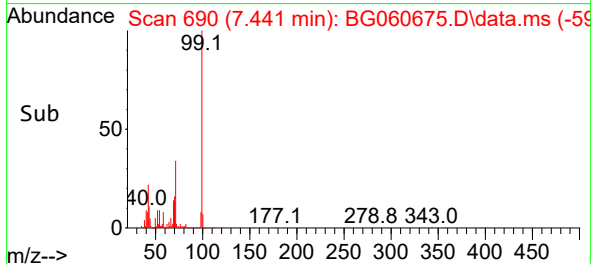
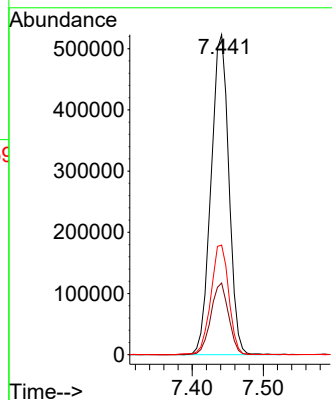
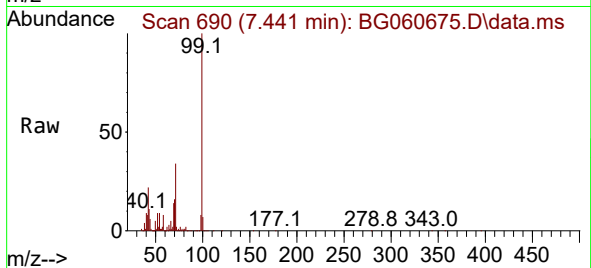




#7  
Phenol-d6  
Concen: 81.568 ng  
RT: 7.441 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

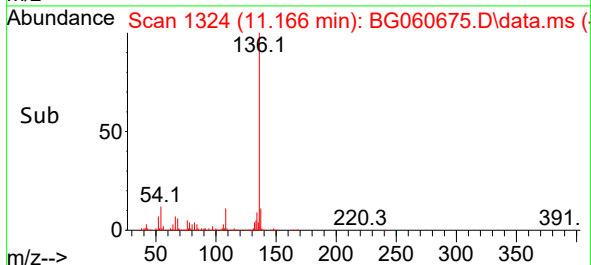
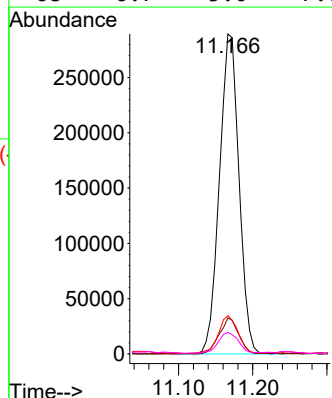
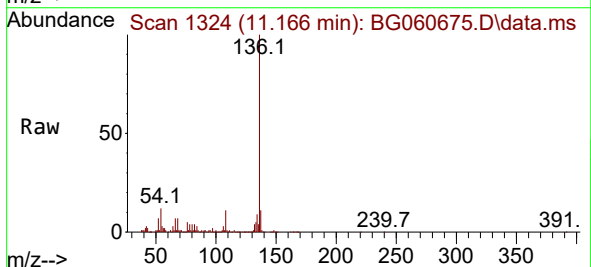
Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-031424

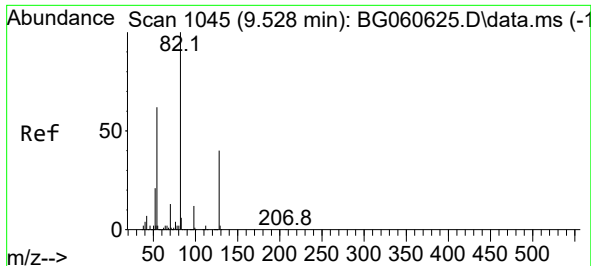
Tgt Ion: 99 Resp: 907525  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.5 26.3  
71 34.3 27.4 41.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.166 min Scan# 1324  
Delta R.T. -0.007 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

Tgt Ion: 136 Resp: 530293  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.4 12.6  
54 12.0 8.5 12.7  
68 6.7 5.0 7.6

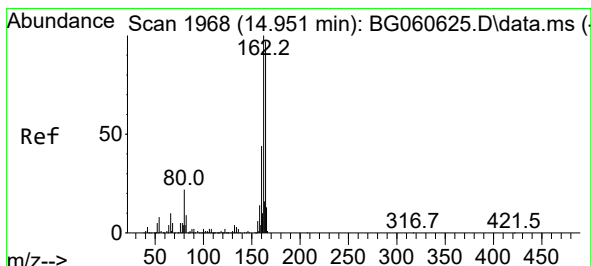
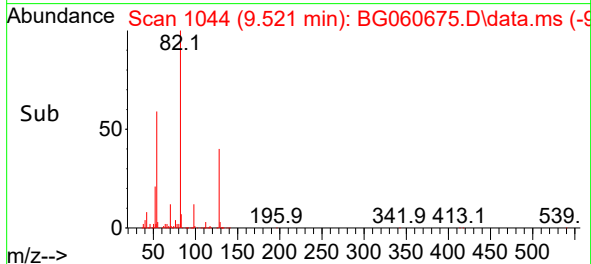
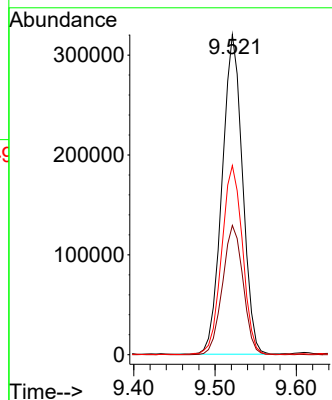
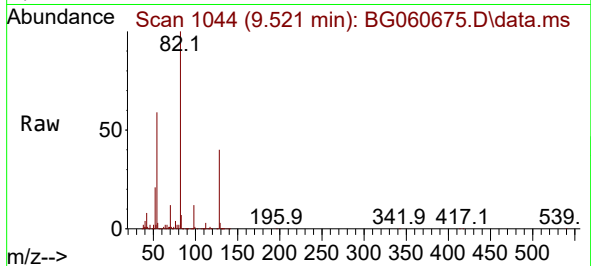




#23  
Nitrobenzene-d5  
Concen: 54.881 ng  
RT: 9.521 min Scan# 1044  
Delta R.T. -0.007 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

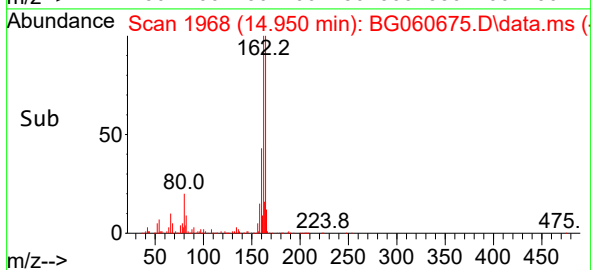
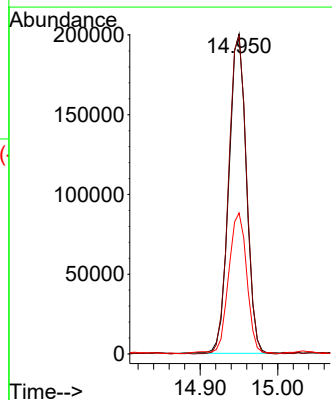
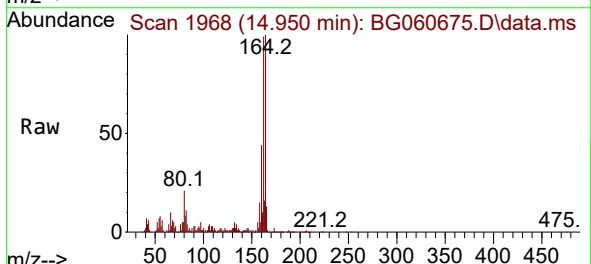
Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-031424

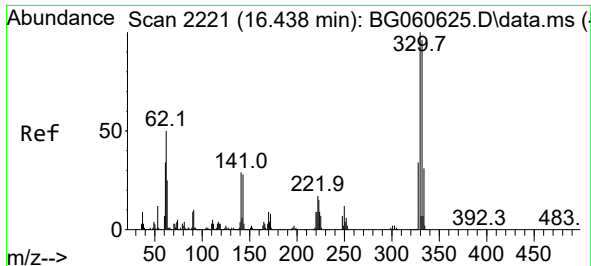
Tgt Ion: 82 Resp: 559201  
Ion Ratio Lower Upper  
82 100  
128 40.4 31.6 47.4  
54 59.1 49.3 73.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.950 min Scan# 1968  
Delta R.T. -0.001 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

Tgt Ion: 164 Resp: 314732  
Ion Ratio Lower Upper  
164 100  
162 99.4 82.5 123.7  
160 44.1 36.4 54.6

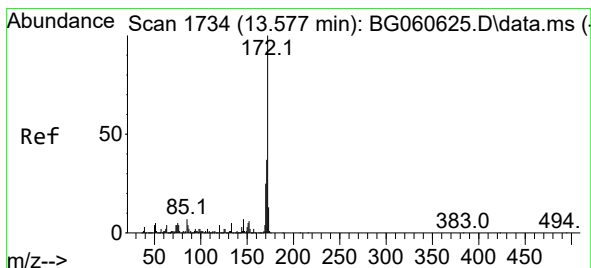
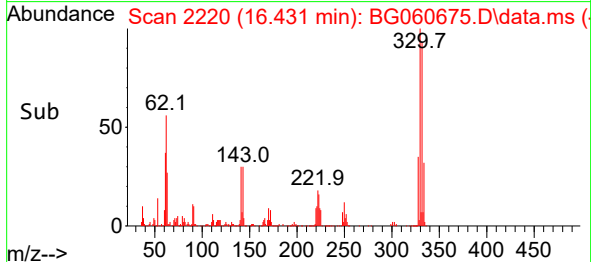
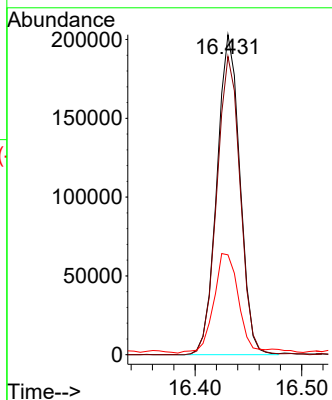
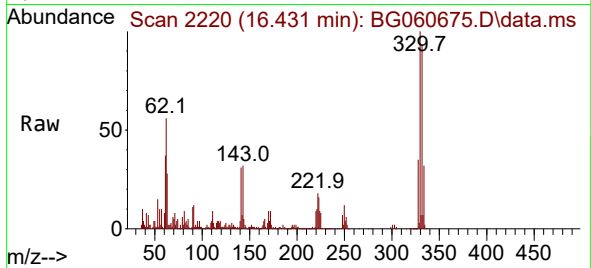




#42  
2,4,6-Tribromophenol  
Concen: 83.293 ng  
RT: 16.431 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

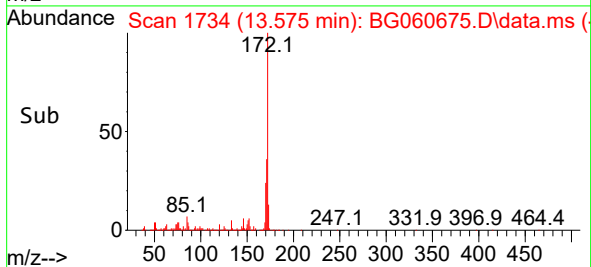
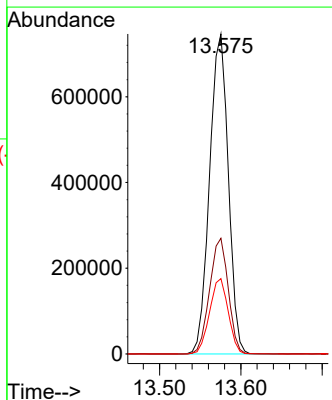
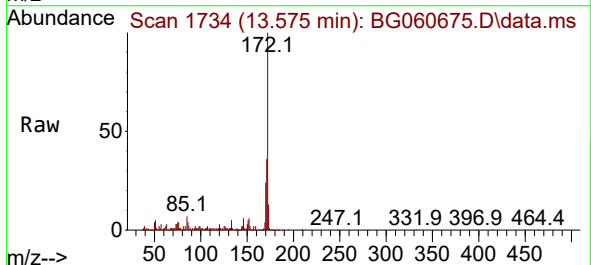
Instrument :  
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ClientSampleId :  
NB-07-031424

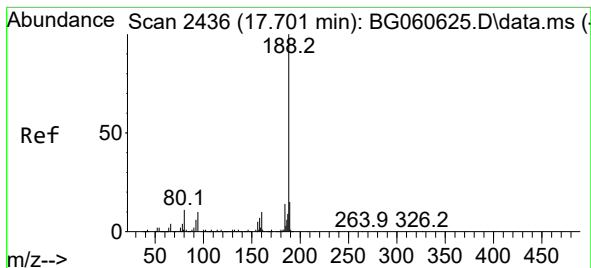
Tgt Ion:330 Resp: 303776  
Ion Ratio Lower Upper  
330 100  
332 94.9 77.8 116.8  
141 34.5 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 51.305 ng  
RT: 13.575 min Scan# 1734  
Delta R.T. -0.001 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

Tgt Ion:172 Resp: 1194290  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.9 44.9  
170 23.6 19.8 29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.694 min Scan# 2435

Delta R.T. -0.007 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Instrument :

BNA\_G

ClientSampleId :

NB-07-031424

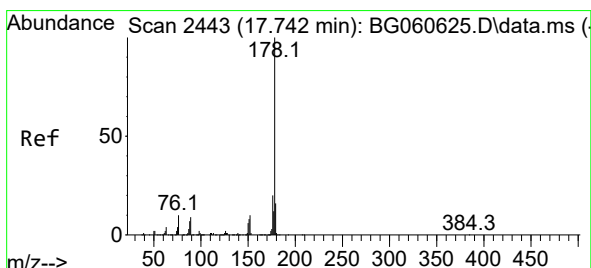
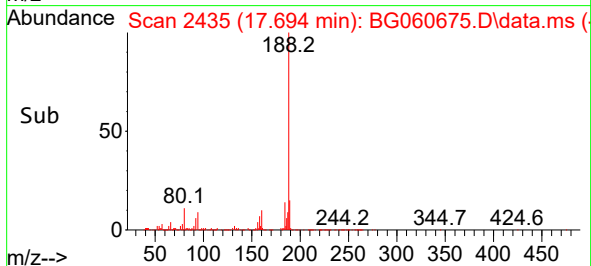
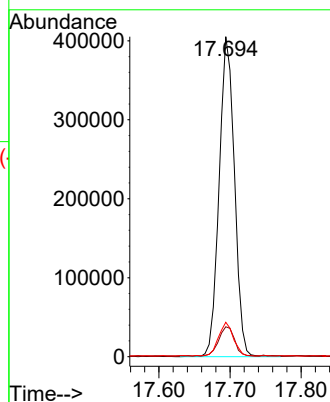
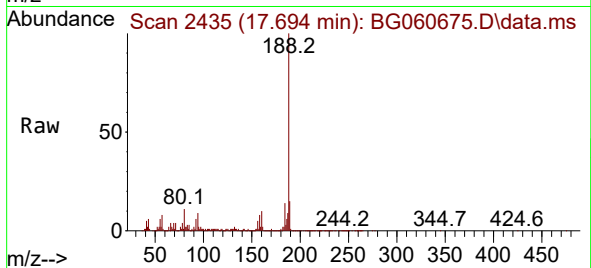
Tgt Ion:188 Resp: 605220

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.8 8.6 13.0



#71

Phenanthrene

Concen: 2.962 ng

RT: 17.741 min Scan# 2443

Delta R.T. -0.001 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

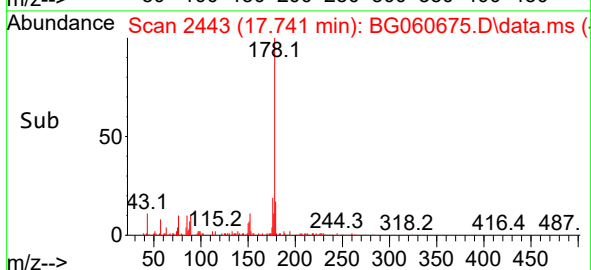
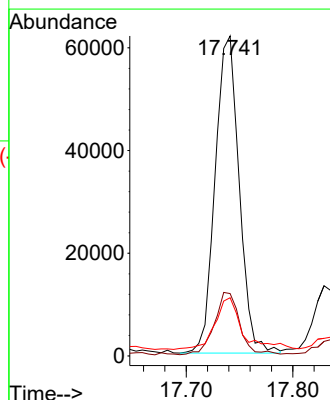
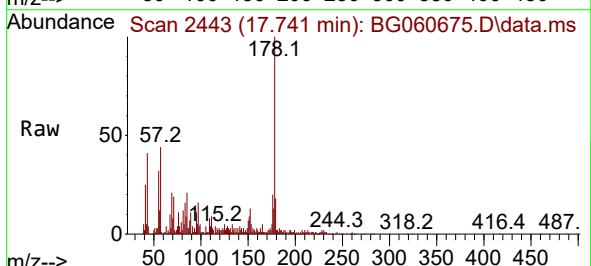
Tgt Ion:178 Resp: 96571

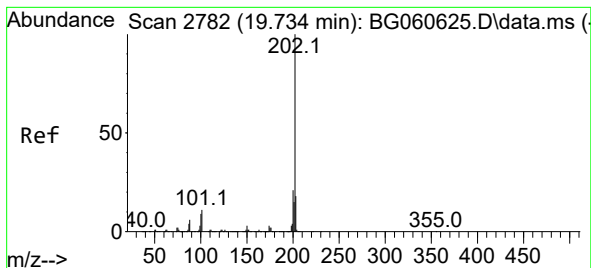
Ion Ratio Lower Upper

178 100

176 19.5 16.1 24.1

179 18.2 12.9 19.3





#75

Fluoranthene

Concen: 7.117 ng

RT: 19.727 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Instrument :

BNA\_G

ClientSampleId :

NB-07-031424

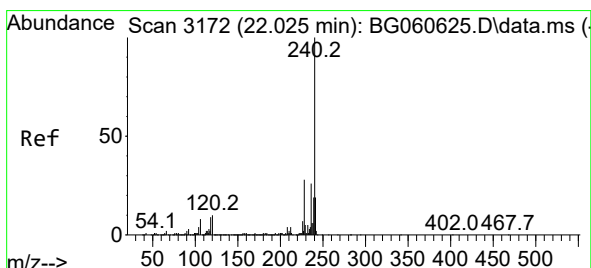
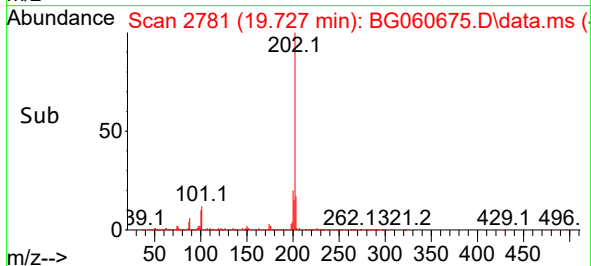
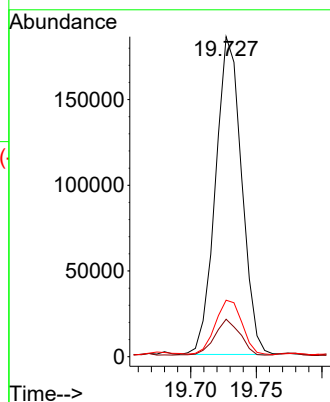
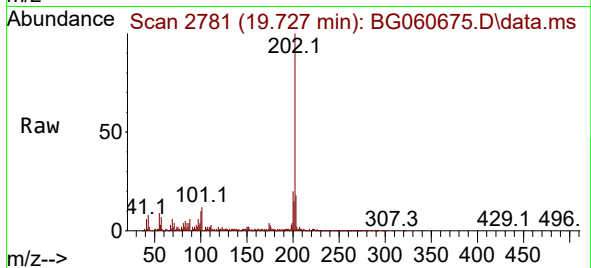
Tgt Ion:202 Resp: 256651

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

203 17.6 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 3170

Delta R.T. -0.013 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

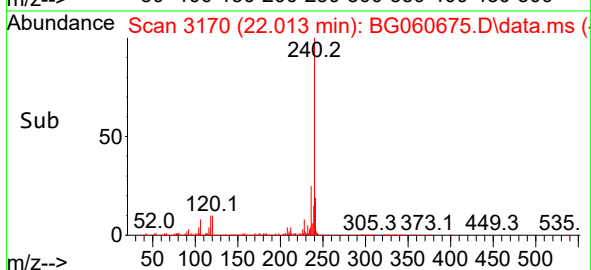
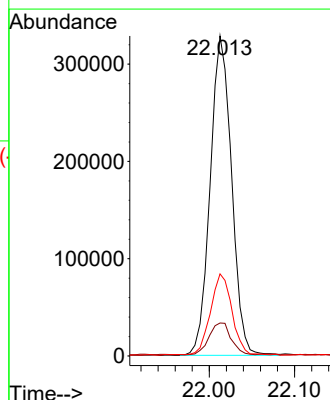
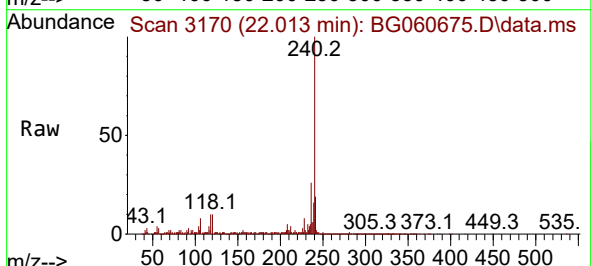
Tgt Ion:240 Resp: 572659

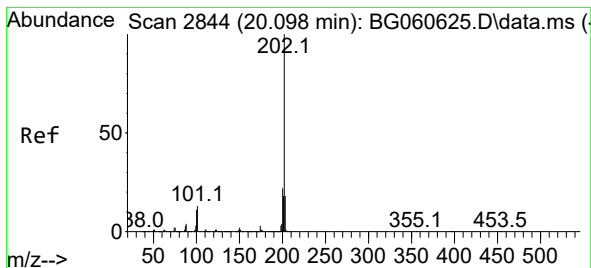
Ion Ratio Lower Upper

240 100

120 10.3 7.8 11.8

236 25.7 20.6 31.0





#78

Pyrene

Concen: 7.116 ng

RT: 20.091 min Scan# 2843

Delta R.T. -0.007 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Instrument :

BNA\_G

ClientSampleId :

NB-07-031424

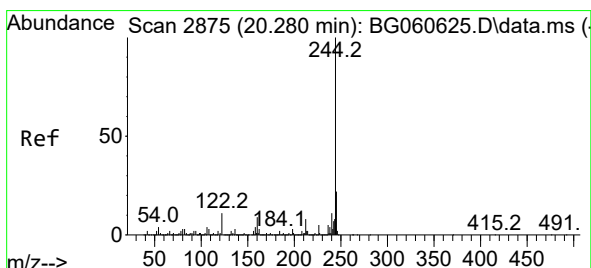
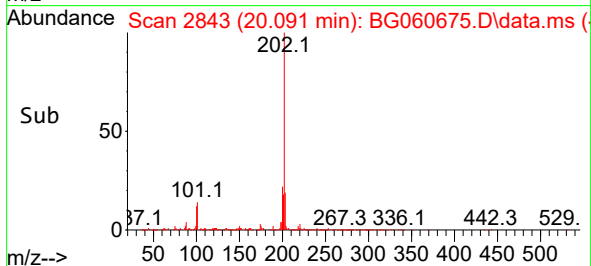
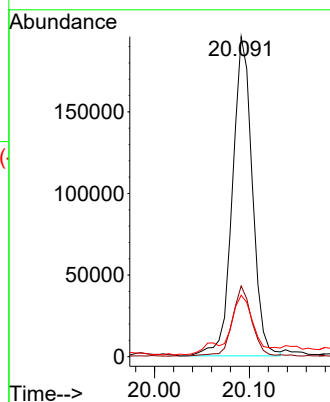
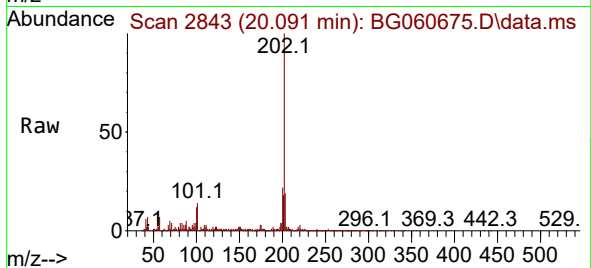
Tgt Ion:202 Resp: 284374

Ion Ratio Lower Upper

202 100

200 22.1 17.9 26.9

203 19.2 14.3 21.5



#79

Terphenyl-d14

Concen: 49.989 ng

RT: 20.273 min Scan# 2874

Delta R.T. -0.007 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

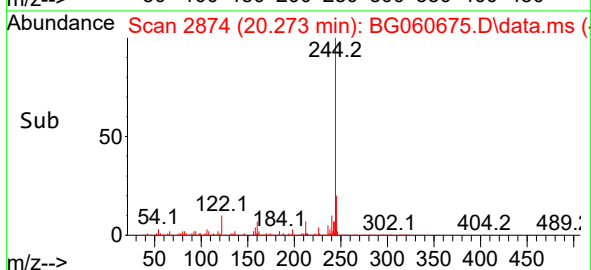
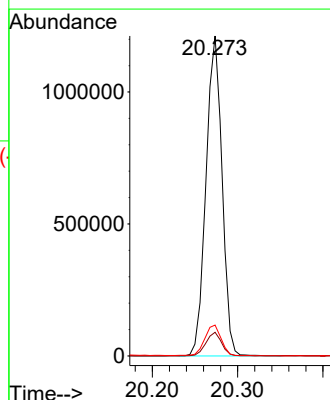
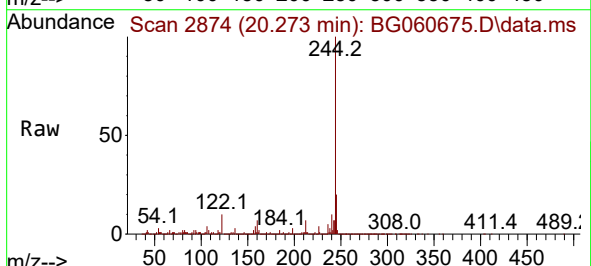
Tgt Ion:244 Resp: 1583721

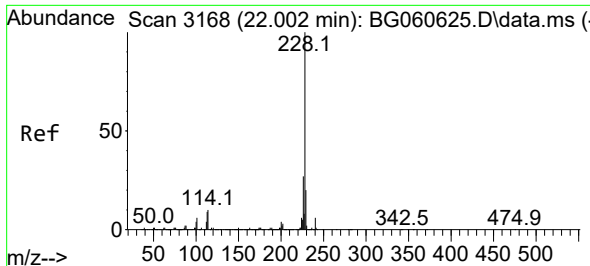
Ion Ratio Lower Upper

244 100

212 7.4 6.6 9.8

122 9.6 8.5 12.7

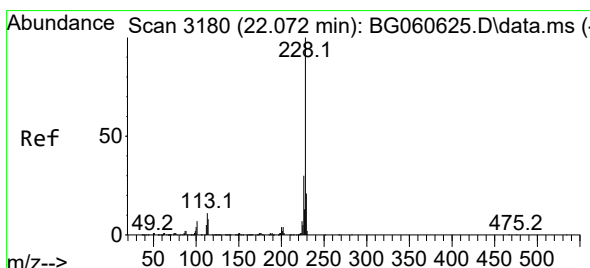
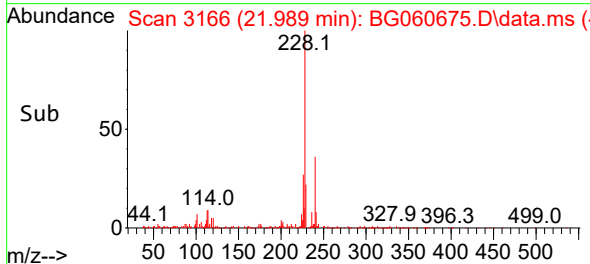
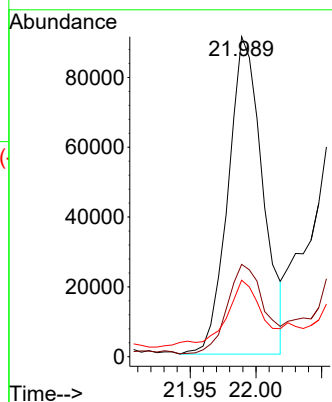
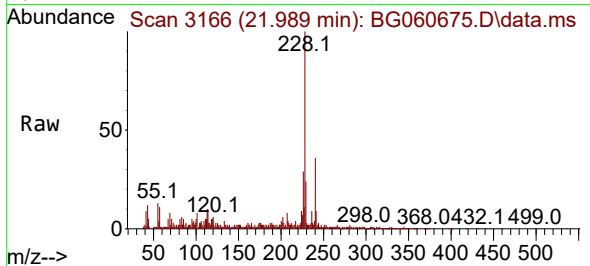




#81  
Benzo(a)anthracene  
Concen: 4.245 ng  
RT: 21.989 min Scan# 3166  
Delta R.T. -0.013 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

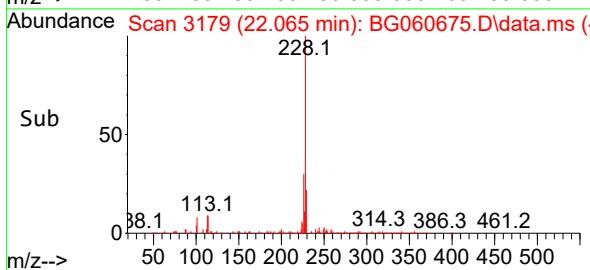
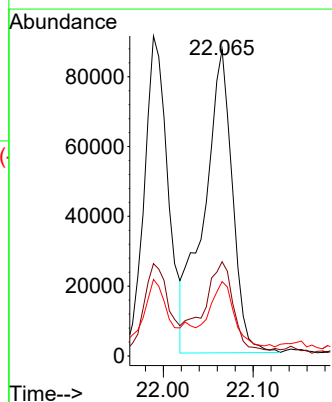
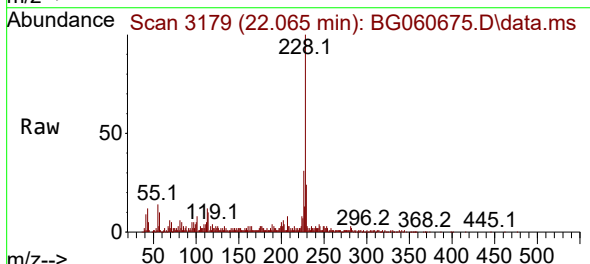
Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-031424

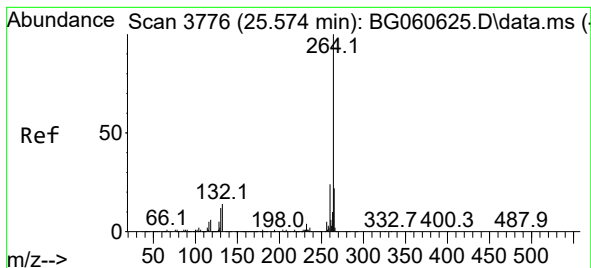
Tgt Ion:228 Resp: 167365  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.8 32.8  
229 23.9 15.8 23.6#



#83  
Chrysene  
Concen: 4.994 ng  
RT: 22.065 min Scan# 3179  
Delta R.T. -0.007 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

Tgt Ion:228 Resp: 191184  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.2 36.2  
229 24.3 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.573 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Instrument :

BNA\_G

ClientSampleId :

NB-07-031424

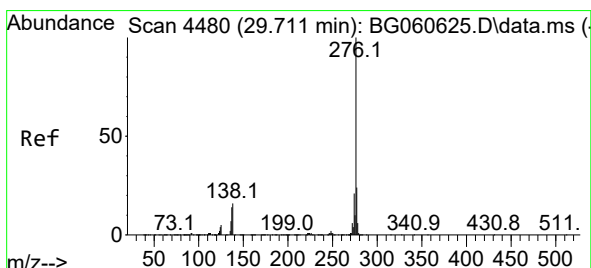
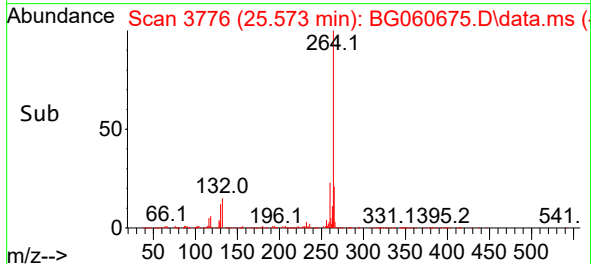
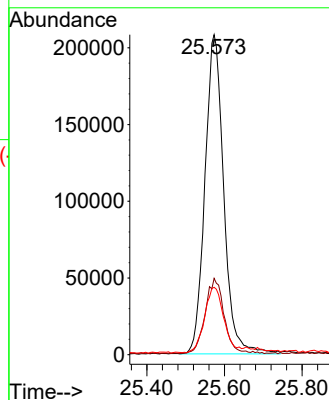
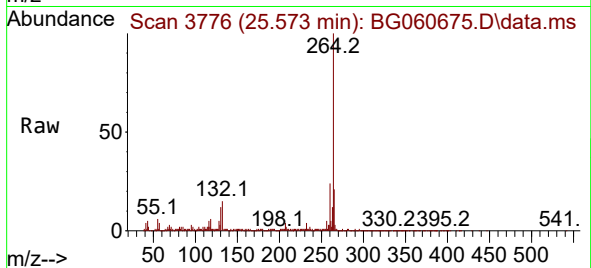
Tgt Ion:264 Resp: 700526

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.1 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.663 ng

RT: 29.692 min Scan# 4477

Delta R.T. -0.019 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

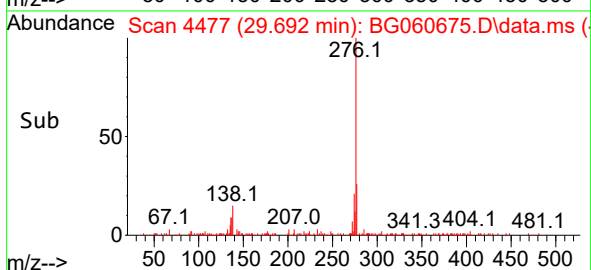
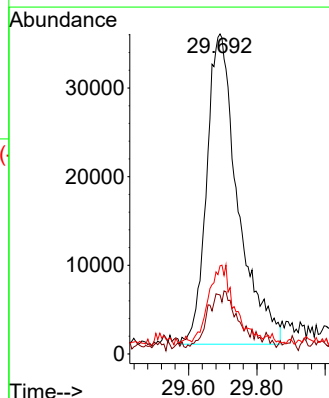
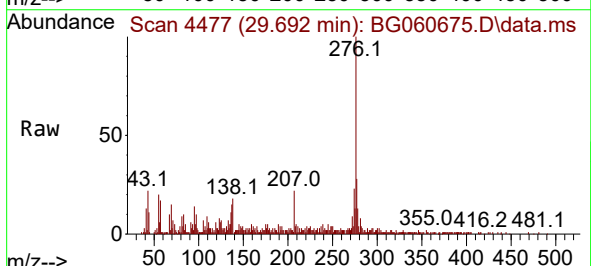
Tgt Ion:276 Resp: 222805

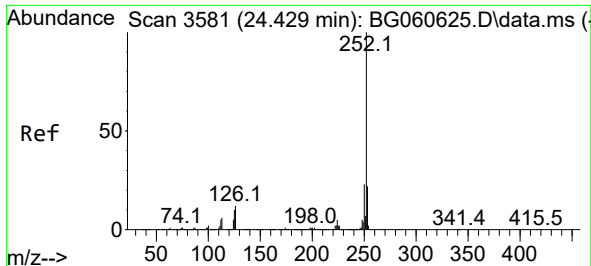
Ion Ratio Lower Upper

276 100

138 8.4 6.6 10.0

277 0.0 16.7 25.1#

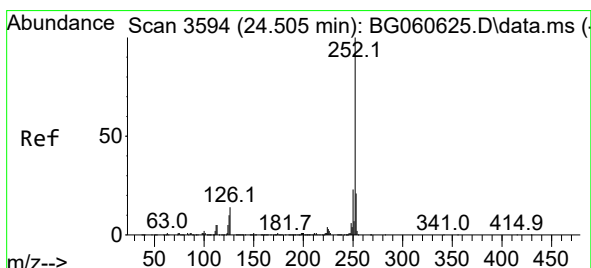
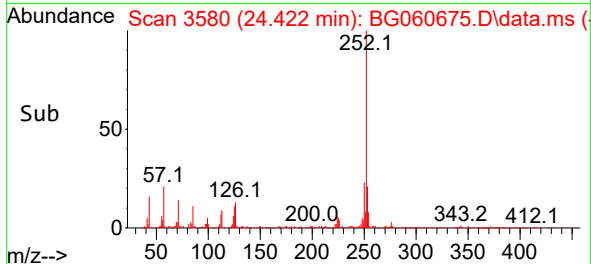
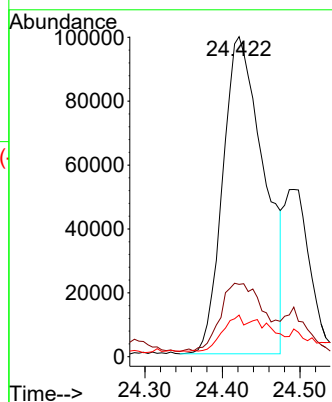
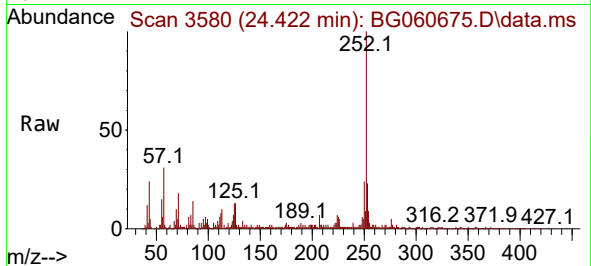




#88  
Benzo(b)fluoranthene  
Concen: 9.538 ng  
RT: 24.422 min Scan# 3581  
Delta R.T. -0.007 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

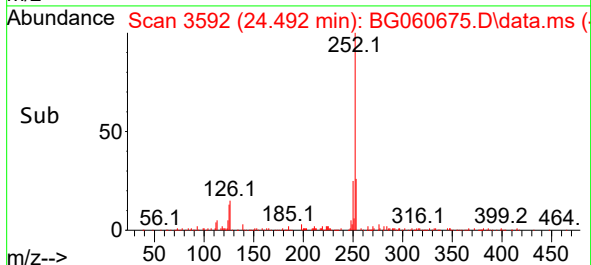
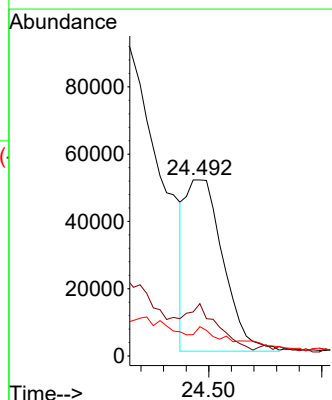
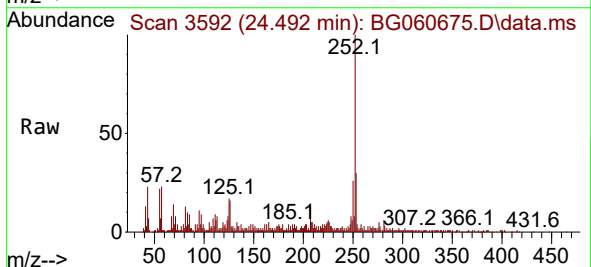
Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-031424

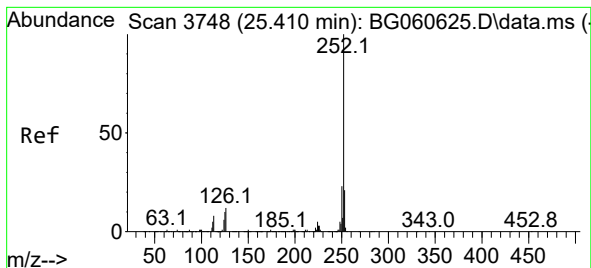
Tgt Ion:252 Resp: 367582  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.6 26.4  
125 13.0 7.8 11.6#



#89  
Benzo(k)fluoranthene  
Concen: 2.898 ng m  
RT: 24.492 min Scan# 3592  
Delta R.T. -0.013 min  
Lab File: BG060675.D  
Acq: 15 Mar 2024 22:54

Tgt Ion:252 Resp: 117335  
Ion Ratio Lower Upper  
252 100  
253 29.7 17.1 25.7#  
125 16.6 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 6.648 ng

RT: 25.403 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Instrument :

BNA\_G

ClientSampleId :

NB-07-031424

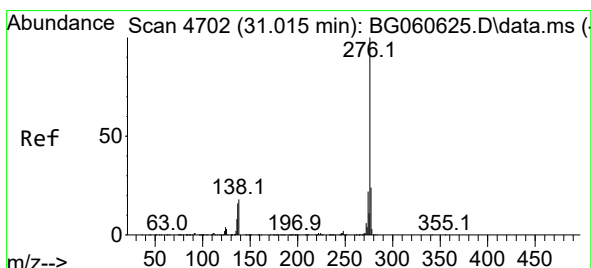
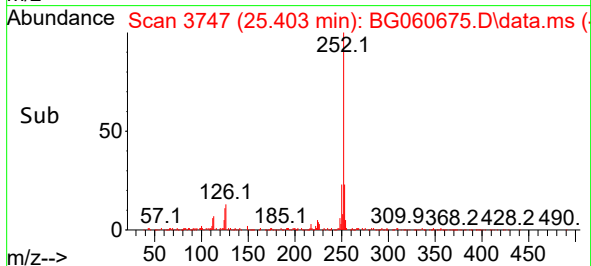
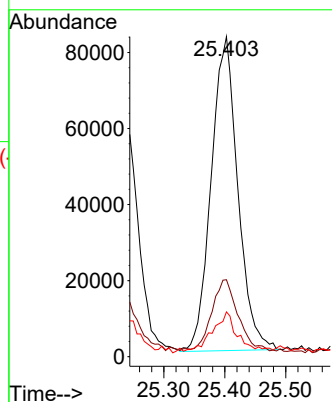
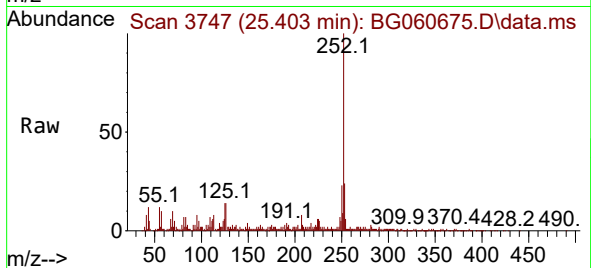
Tgt Ion:252 Resp: 251187

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 14.0 8.2 12.2#



#92

Benzo(g,h,i)perylene

Concen: 5.676 ng

RT: 31.002 min Scan# 4700

Delta R.T. -0.013 min

Lab File: BG060675.D

Acq: 15 Mar 2024 22:54

Tgt Ion:276 Resp: 222926

Ion Ratio Lower Upper

276 100

277 22.1 19.0 28.4

138 19.2 14.4 21.6

