

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011924\  
 Data File : BG060373.D  
 Acq On : 19 Jan 2024 17:41  
 Operator : MA/JU  
 Sample : P1183-01 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-305-0-2

Quant Time: Jan 20 06:33:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

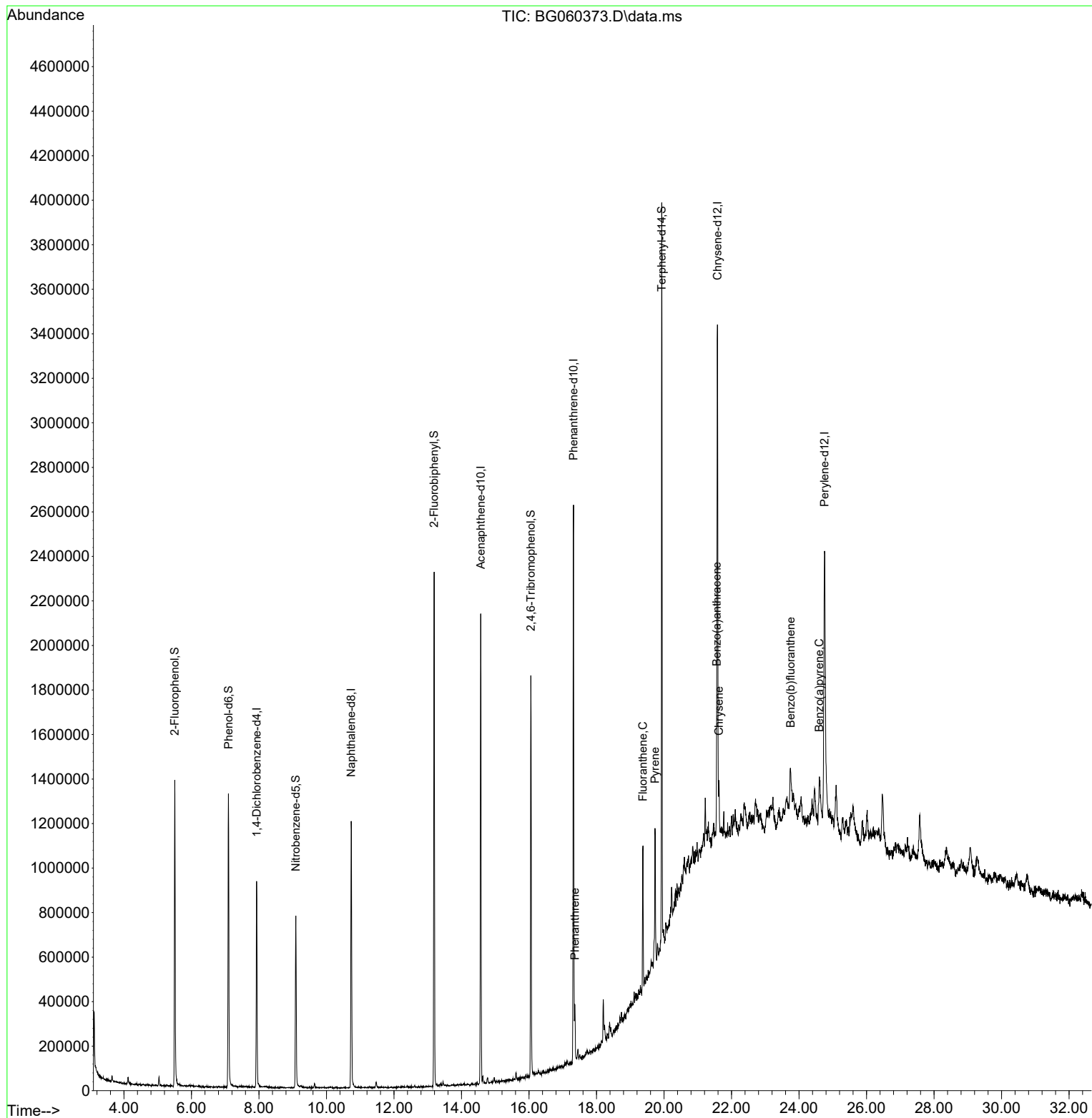
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.929  | 152  | 287422   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.731 | 136  | 1086801  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.568 | 164  | 775212   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.318 | 188  | 1708419  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.583 | 240  | 1408122  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.756 | 264  | 1582856  | 20.000 | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.502  | 112  | 717065   | 41.034 | ng    | 0.00     |
| 7) Phenol-d6                | 7.094  | 99   | 943942   | 36.479 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.092  | 82   | 546684   | 23.753 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.054 | 330  | 411930   | 36.116 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.187 | 172  | 1321483  | 23.700 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.932 | 244  | 1693331  | 21.336 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.359 | 178  | 169064   | 2.047  | ng    | 93       |
| 75) Fluoranthene            | 19.374 | 202  | 424240   | 4.277  | ng    | 88       |
| 78) Pyrene                  | 19.733 | 202  | 392364   | 4.363  | ng    | # 86     |
| 81) Benzo(a)anthracene      | 21.560 | 228  | 205694   | 2.360  | ng    | 96       |
| 83) Chrysene                | 21.624 | 228  | 200393   | 2.337  | ng    | # 91     |
| 88) Benzo(b)fluoranthene    | 23.751 | 252  | 248636   | 2.659  | ng    | # 95     |
| 90) Benzo(a)pyrene          | 24.603 | 252  | 187310   | 2.217  | ng    | # 79     |
| -----                       |        |      |          |        |       |          |

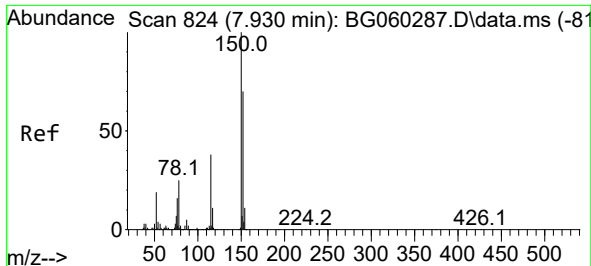
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011924\  
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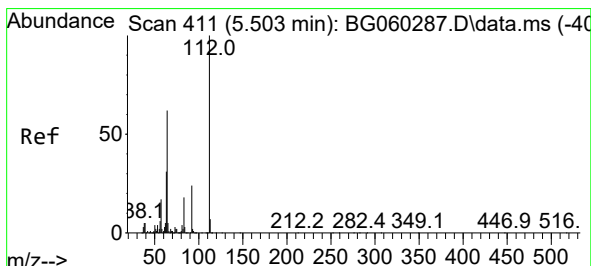
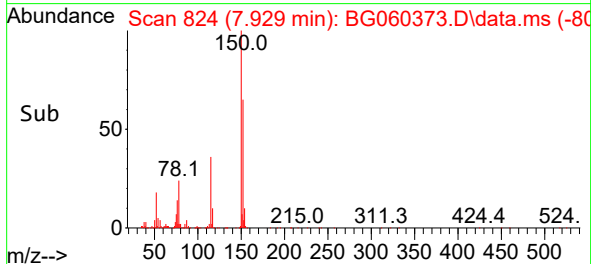
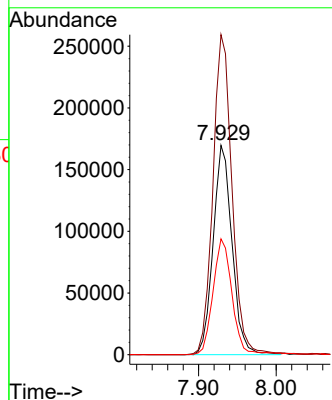
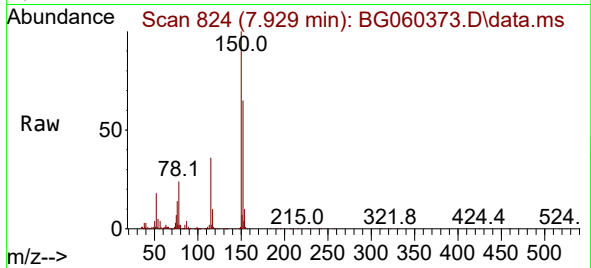




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.929 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

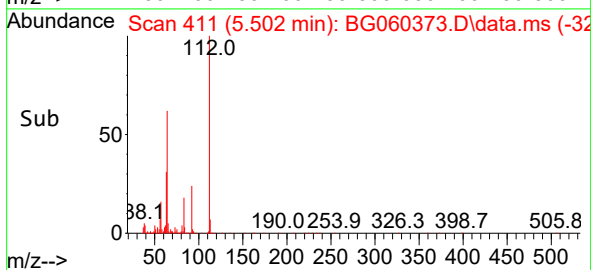
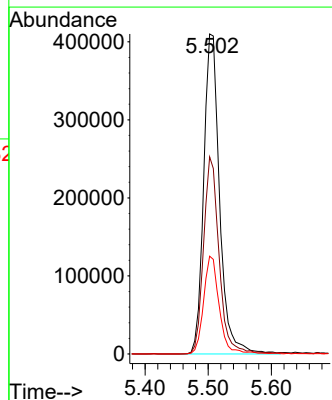
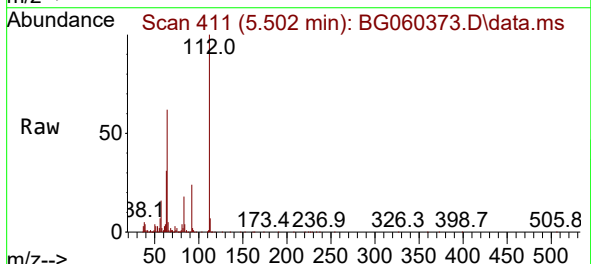
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BNA\_G  
ClientSampleId :  
MR-305-0-2

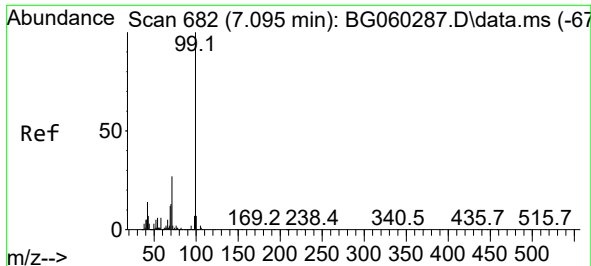
Tgt Ion:152 Resp: 287422  
Ion Ratio Lower Upper  
152 100  
150 152.9 114.5 171.7  
115 55.4 43.0 64.6



#5  
2-Fluorophenol  
Concen: 41.034 ng  
RT: 5.502 min Scan# 411  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

Tgt Ion:112 Resp: 717065  
Ion Ratio Lower Upper  
112 100  
64 61.6 49.8 74.6  
63 30.5 24.4 36.6

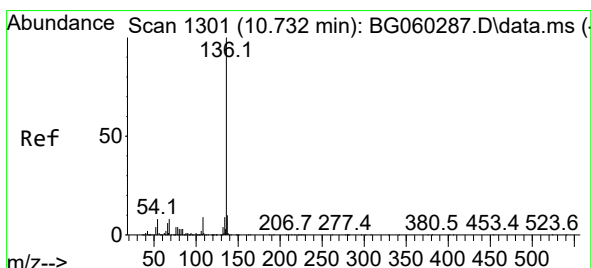
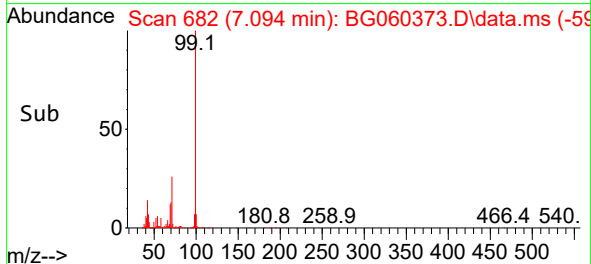
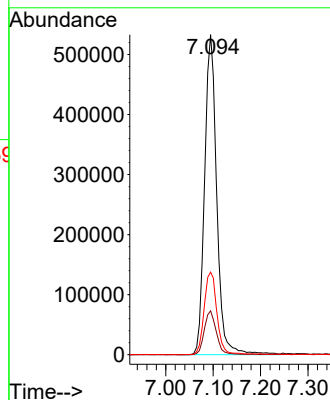
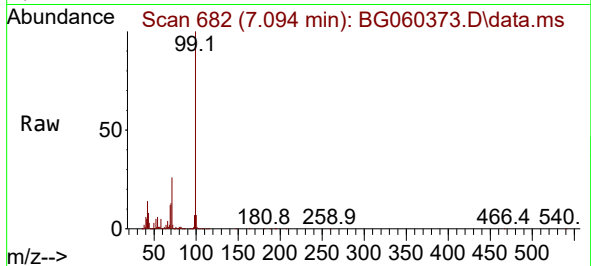




#7  
Phenol-d6  
Concen: 36.479 ng  
RT: 7.094 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

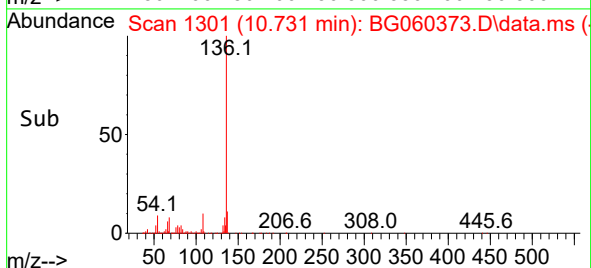
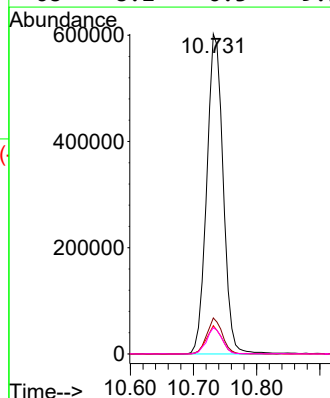
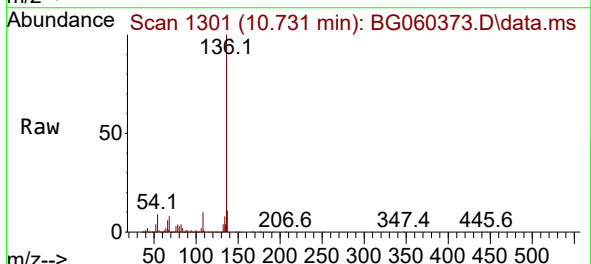
Instrument :  
BNA\_G  
ClientSampleId :  
MR-305-0-2

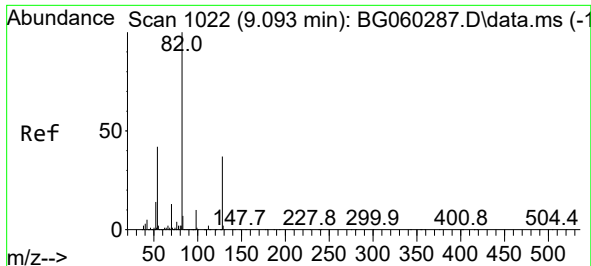
Tgt Ion: 99 Resp: 943942  
Ion Ratio Lower Upper  
99 100  
42 13.7 10.9 16.3  
71 25.8 21.5 32.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.731 min Scan# 1301  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

Tgt Ion:136 Resp: 1086801  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.2 12.4  
54 8.9 6.2 9.2  
68 8.2 6.3 9.5

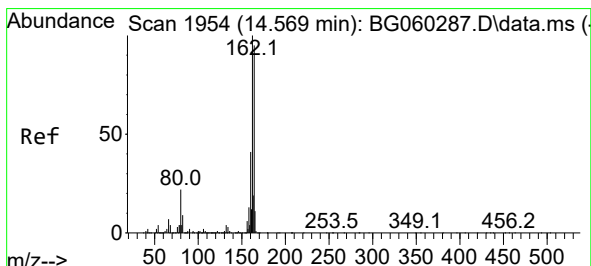
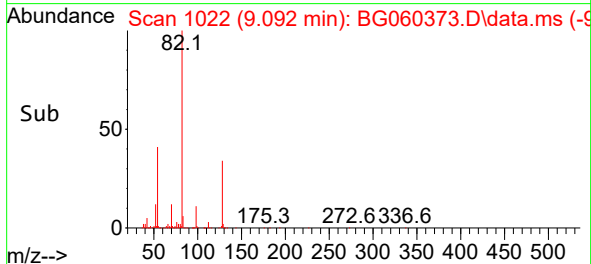
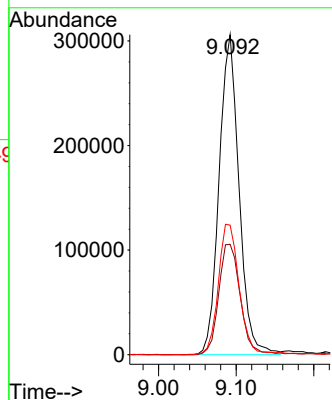
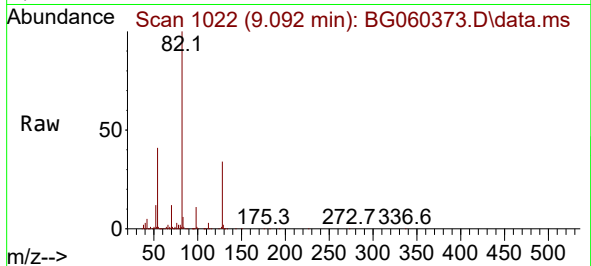




#23  
 Nitrobenzene-d5  
 Concen: 23.753 ng  
 RT: 9.092 min Scan# 1022  
 Delta R.T. -0.001 min  
 Lab File: BG060373.D  
 Acq: 19 Jan 2024 17:41

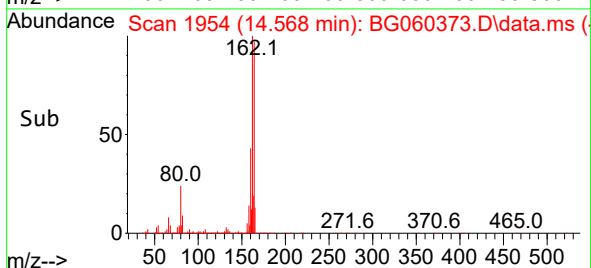
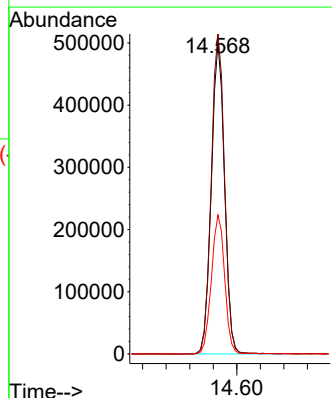
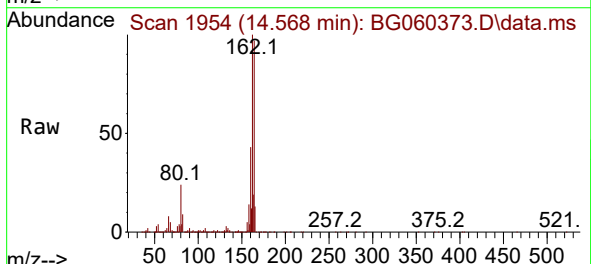
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-305-0-2

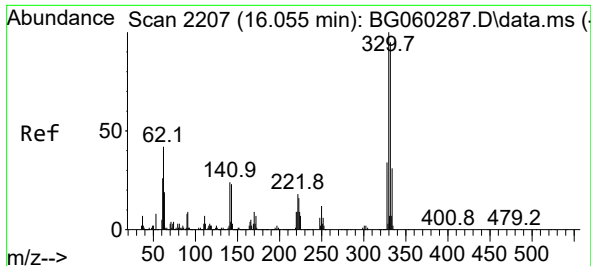
Tgt Ion: 82 Resp: 546684  
 Ion Ratio Lower Upper  
 82 100  
 128 34.5 29.6 44.4  
 54 40.5 33.6 50.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.568 min Scan# 1954  
 Delta R.T. -0.001 min  
 Lab File: BG060373.D  
 Acq: 19 Jan 2024 17:41

Tgt Ion:164 Resp: 775212  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 84.4 126.6  
 160 44.6 34.6 52.0

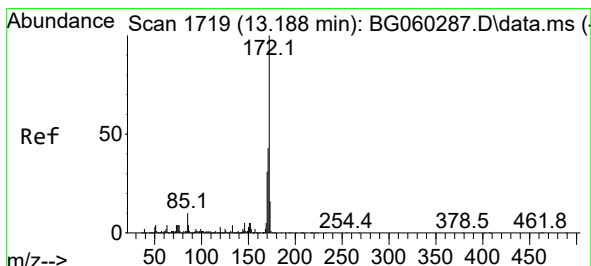
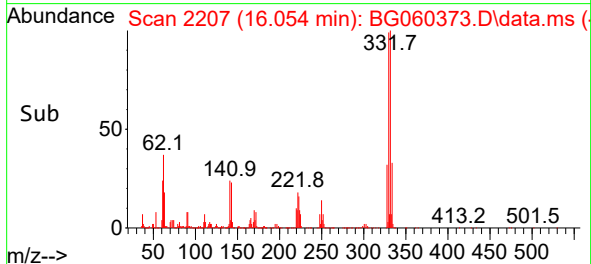
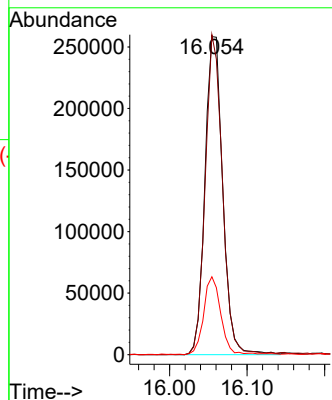
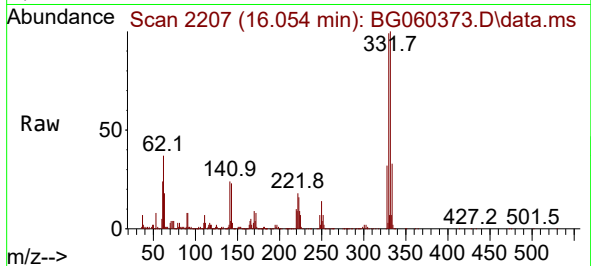




#42  
2,4,6-Tribromophenol  
Concen: 36.116 ng  
RT: 16.054 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

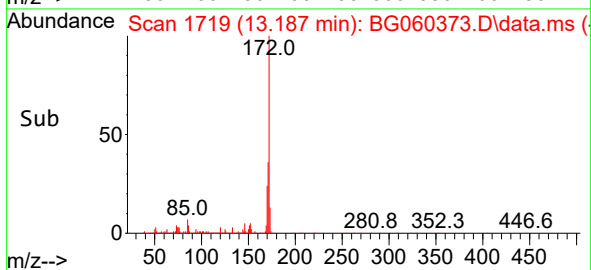
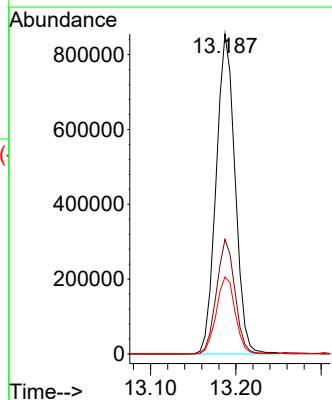
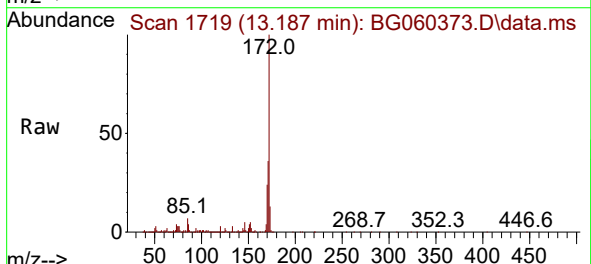
Instrument :  
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ClientSampleId :  
MR-305-0-2

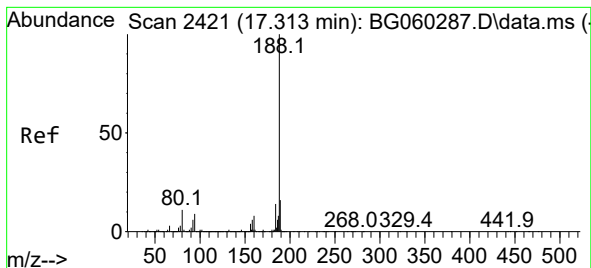
Tgt Ion:330 Resp: 411930  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.7 115.1  
141 23.3 18.6 28.0



#45  
2-Fluorobiphenyl  
Concen: 23.700 ng  
RT: 13.187 min Scan# 1719  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

Tgt Ion:172 Resp: 1321483  
Ion Ratio Lower Upper  
172 100  
171 35.8 34.6 51.8  
170 24.0 24.4 36.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 2422

Delta R.T. 0.005 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

Instrument :

BNA\_G

ClientSampleId :

MR-305-0-2

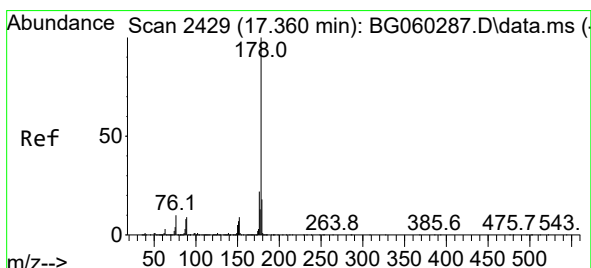
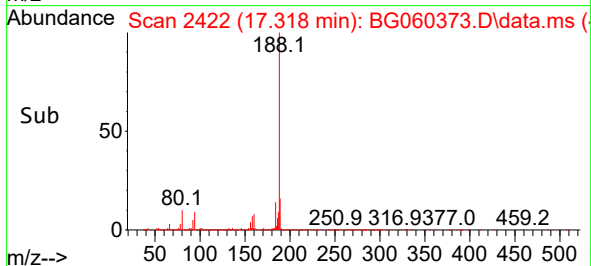
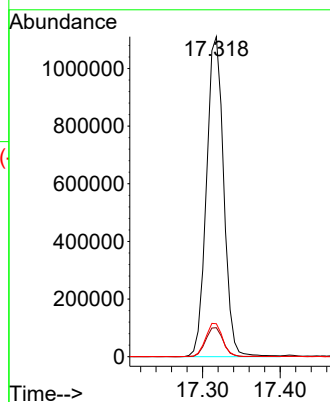
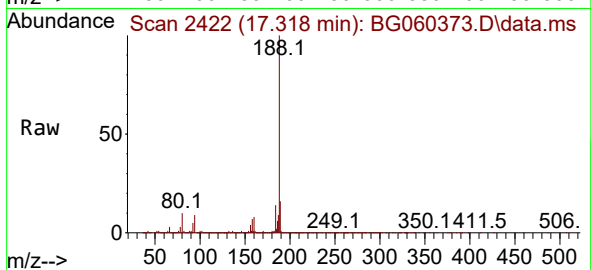
Tgt Ion:188 Resp: 1708419

Ion Ratio Lower Upper

188 100

94 9.0 7.1 10.7

80 10.3 8.5 12.7



#71

Phenanthrene

Concen: 2.047 ng

RT: 17.359 min Scan# 2429

Delta R.T. -0.001 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

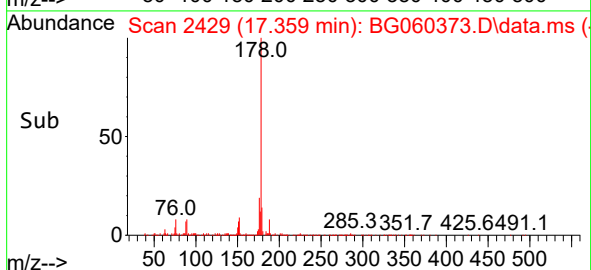
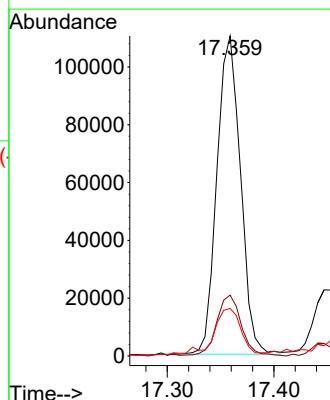
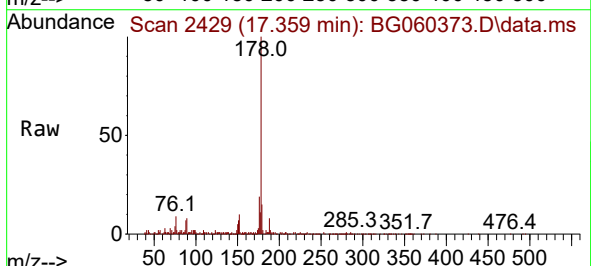
Tgt Ion:178 Resp: 169064

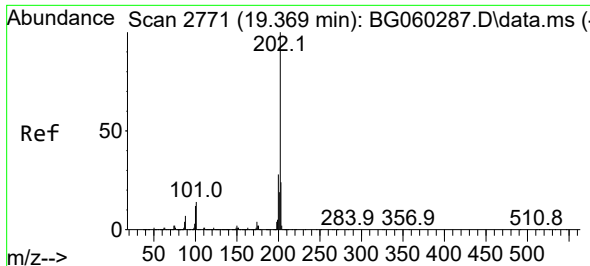
Ion Ratio Lower Upper

178 100

176 19.0 17.4 26.2

179 14.8 14.7 22.1

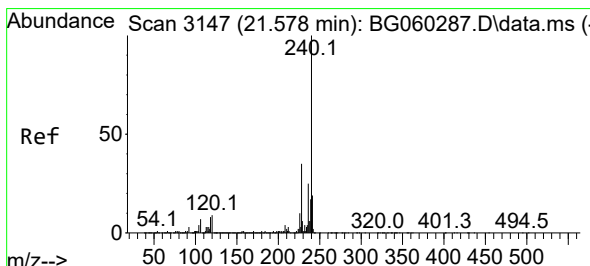
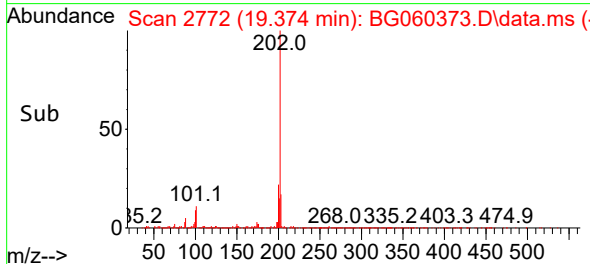
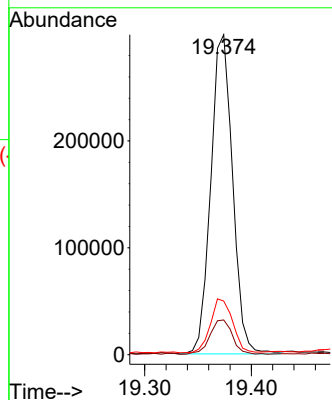
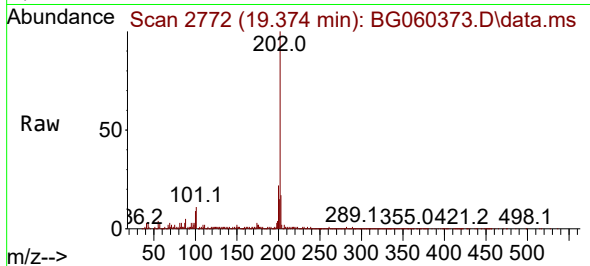




#75  
Fluoranthene  
Concen: 4.277 ng  
RT: 19.374 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

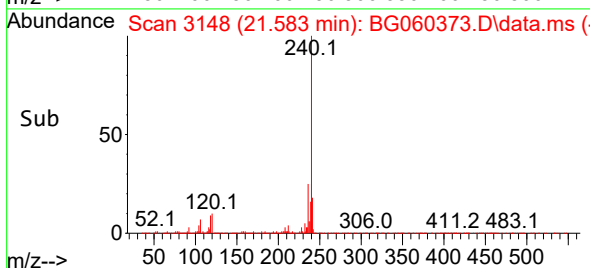
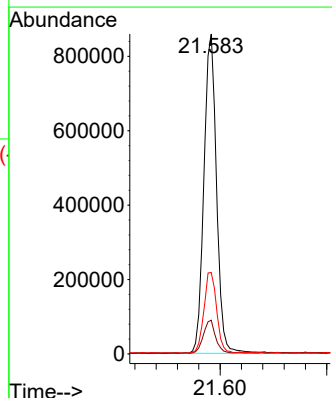
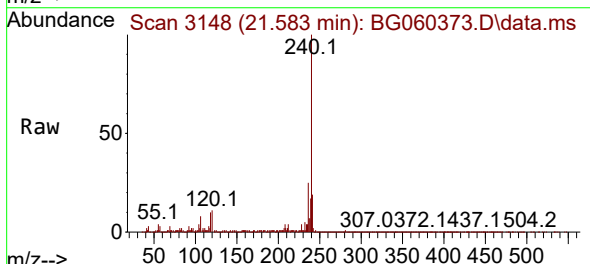
Instrument :  
BNA\_G  
ClientSampleId :  
MR-305-0-2

Tgt Ion:202 Resp: 424240  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 34.4  
203 16.8 4.0 44.0

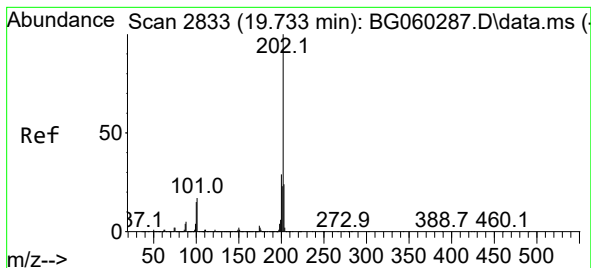


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.583 min Scan# 3148  
Delta R.T. 0.005 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

Tgt Ion:240 Resp: 1408122  
Ion Ratio Lower Upper  
240 100  
120 10.6 7.3 10.9  
236 25.5 20.3 30.5







#78

Pyrene

Concen: 4.363 ng

RT: 19.733 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

Instrument :

BNA\_G

ClientSampleId :

MR-305-0-2

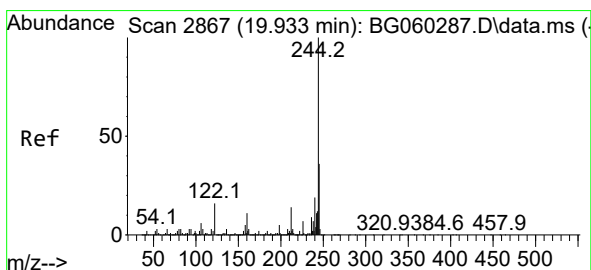
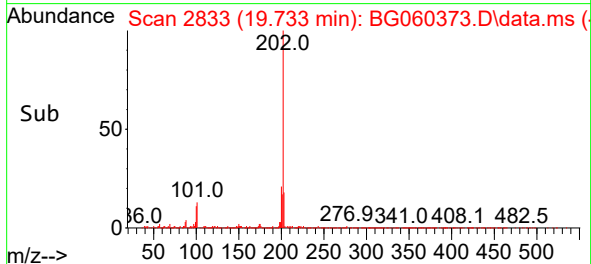
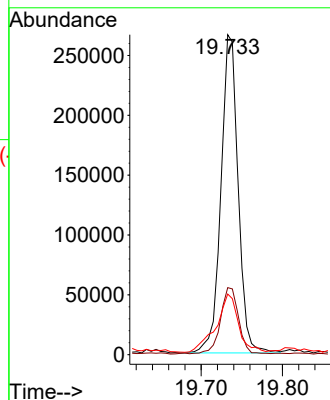
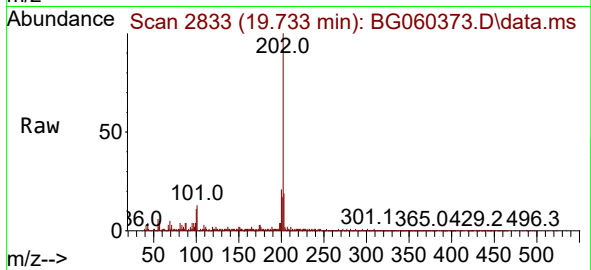
Tgt Ion:202 Resp: 392364

Ion Ratio Lower Upper

202 100

200 20.9 23.5 35.3#

203 18.9 19.6 29.4#



#79

Terphenyl-d14

Concen: 21.336 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

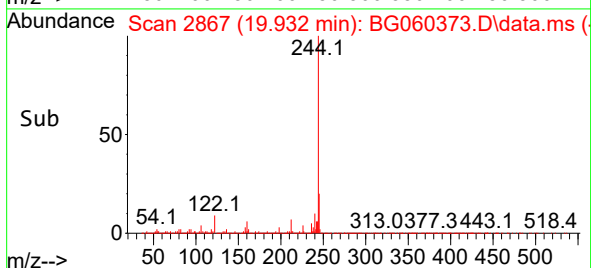
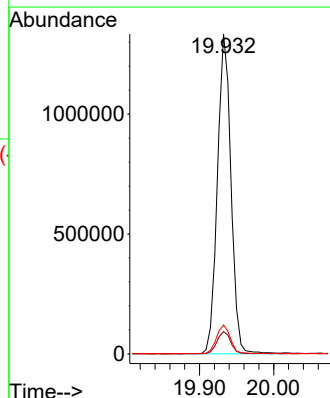
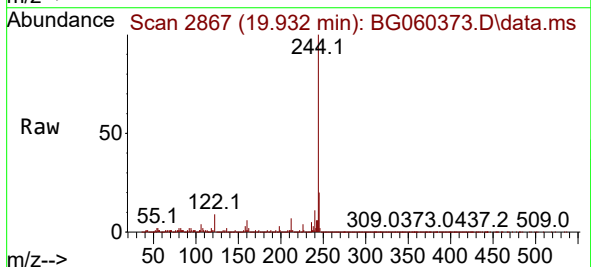
Tgt Ion:244 Resp: 1693331

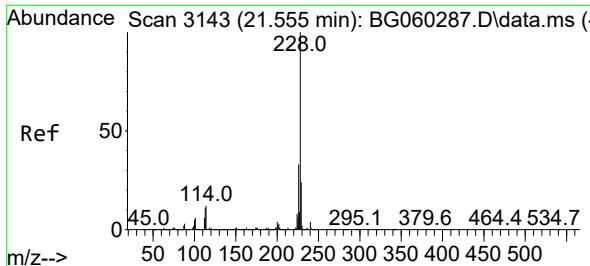
Ion Ratio Lower Upper

244 100

212 7.0 10.9 16.3#

122 9.1 12.6 18.8#

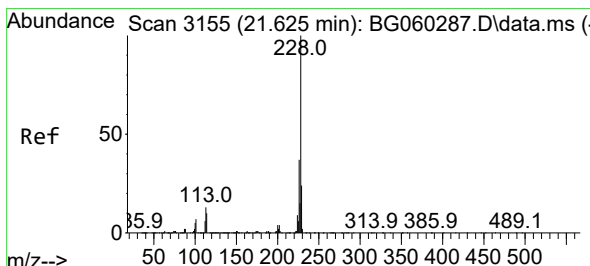
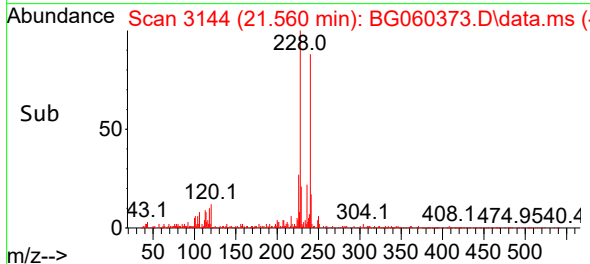
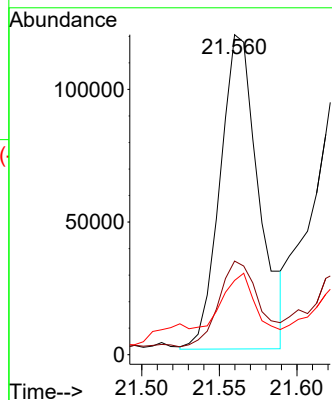
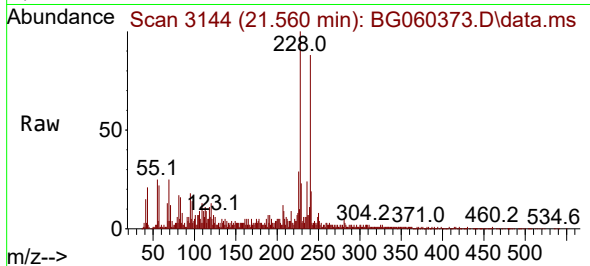




#81  
Benzo(a)anthracene  
Concen: 2.360 ng  
RT: 21.560 min Scan# 3144  
Delta R.T. 0.005 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

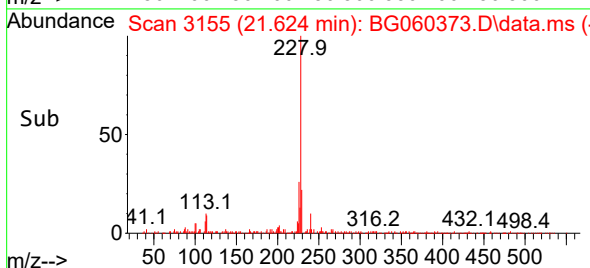
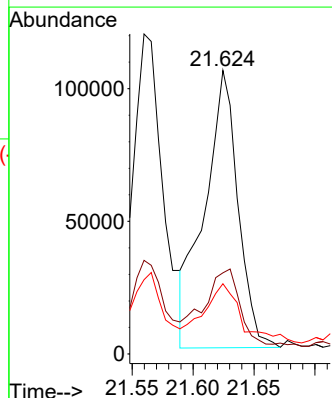
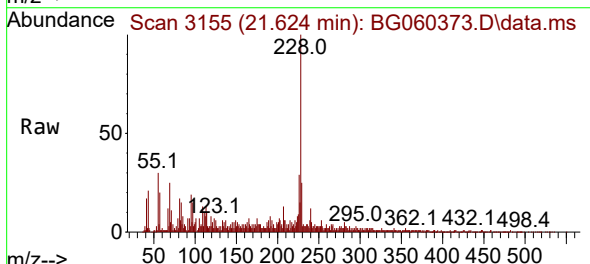
Instrument :  
BNA\_G  
ClientSampleId :  
MR-305-0-2

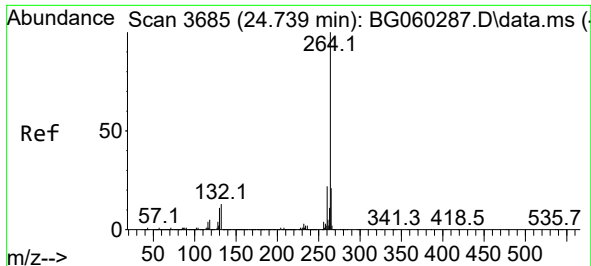
Tgt Ion:228 Resp: 205694  
Ion Ratio Lower Upper  
228 100  
226 29.3 26.2 39.2  
229 23.2 19.4 29.2



#83  
Chrysene  
Concen: 2.337 ng  
RT: 21.624 min Scan# 3155  
Delta R.T. -0.001 min  
Lab File: BG060373.D  
Acq: 19 Jan 2024 17:41

Tgt Ion:228 Resp: 200393  
Ion Ratio Lower Upper  
228 100  
226 28.6 29.4 44.2#  
229 24.8 19.2 28.8

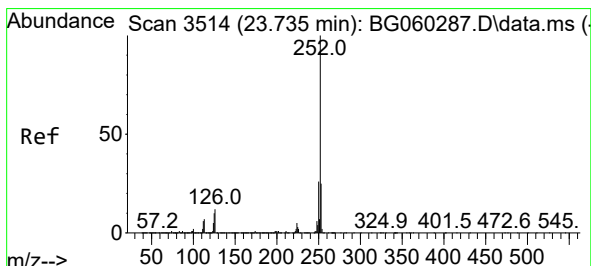
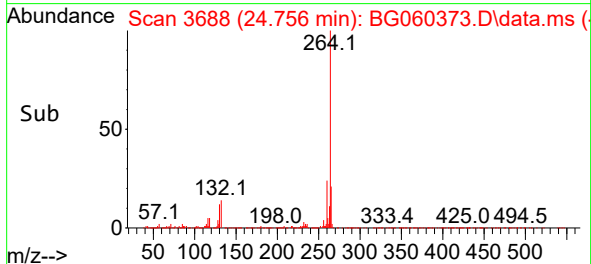
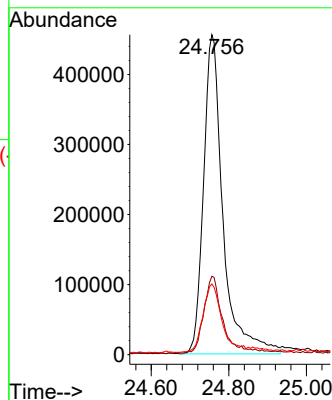
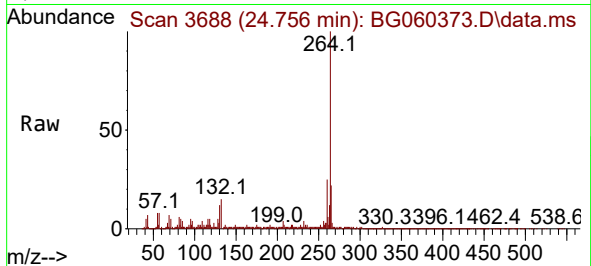




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.756 min Scan# 30  
 Delta R.T. 0.017 min  
 Lab File: BG060373.D  
 Acq: 19 Jan 2024 17:41

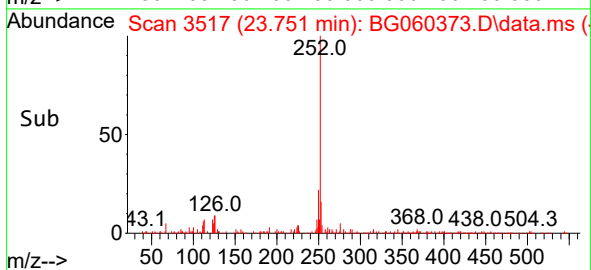
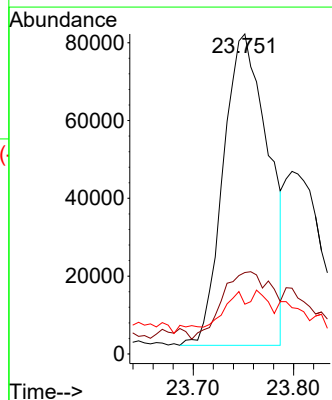
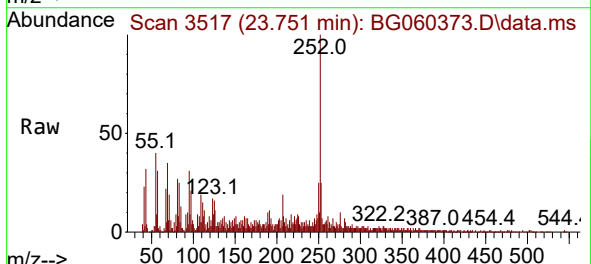
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-305-0-2

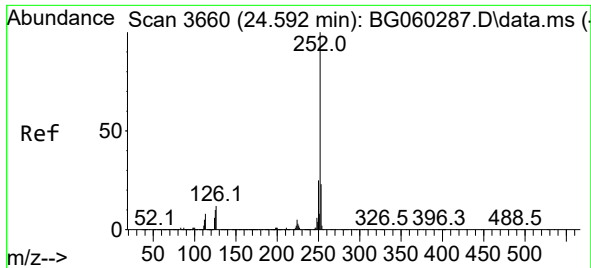
Tgt Ion:264 Resp: 1582856  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 17.8 26.6  
 265 22.1 16.8 25.2



#88  
 Benzo(b)fluoranthene  
 Concen: 2.659 ng  
 RT: 23.751 min Scan# 3517  
 Delta R.T. 0.017 min  
 Lab File: BG060373.D  
 Acq: 19 Jan 2024 17:41

Tgt Ion:252 Resp: 248636  
 Ion Ratio Lower Upper  
 252 100  
 253 25.5 20.0 30.0  
 125 15.5 8.1 12.1#





#90  
 Benzo(a)pyrene  
 Concen: 2.217 ng  
 RT: 24.603 min Scan# 30  
 Delta R.T. 0.011 min  
 Lab File: BG060373.D  
 Acq: 19 Jan 2024 17:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-305-0-2

Tgt Ion:252 Resp: 187310  
 Ion Ratio Lower Upper  
 252 100  
 253 30.5 18.1 27.1#  
 125 21.2 8.1 12.1#

