

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112822\  
 Data File : BG055813.D  
 Acq On : 28 Nov 2022 20:31  
 Operator : CG/JU  
 Sample : N5752-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-7S

Quant Time: Nov 29 02:14:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 29 02:02:15 2022  
 Response via : Initial Calibration

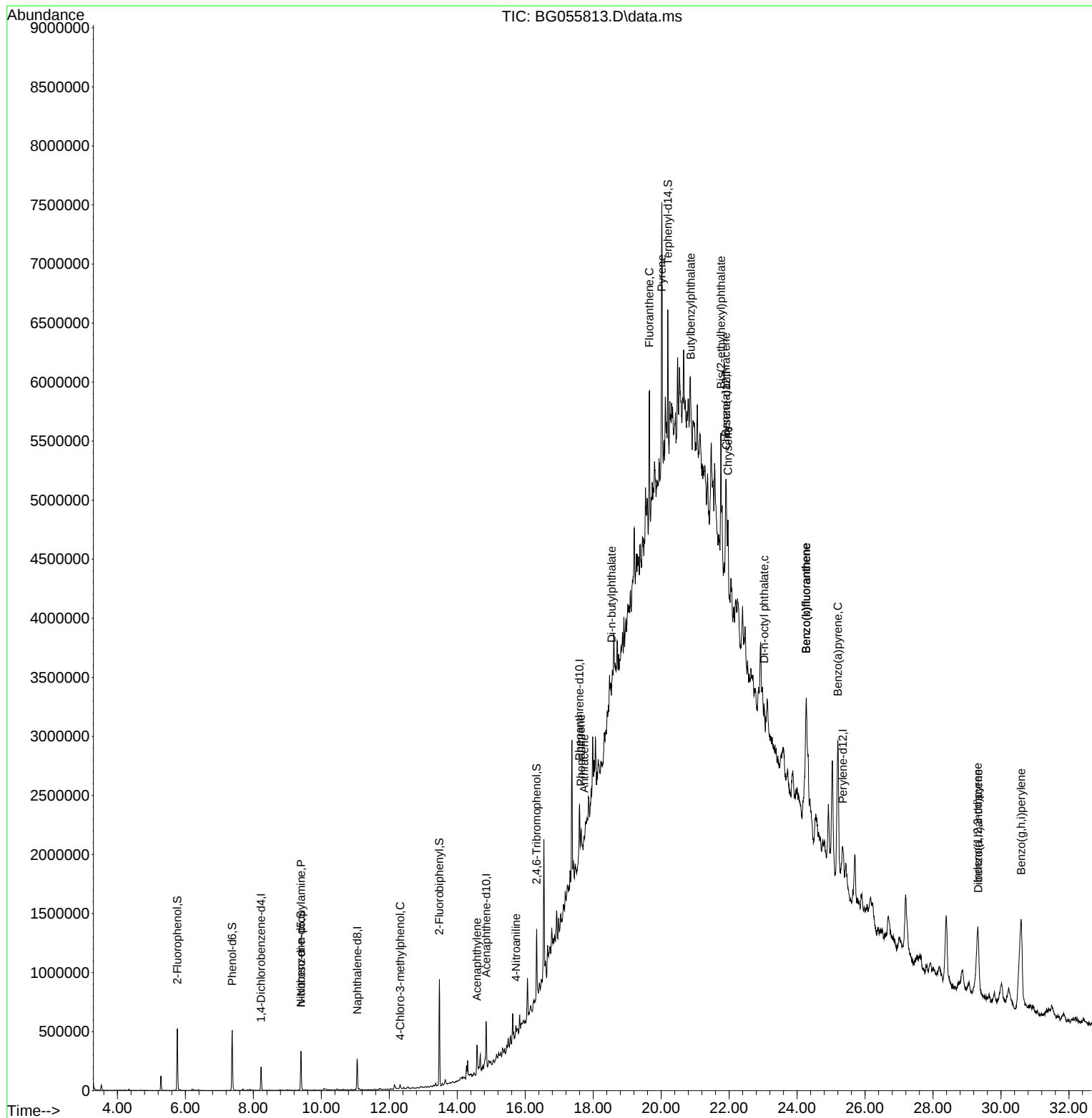
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.229  | 152  | 57173    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.055 | 136  | 222706   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.850 | 164  | 136092   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.600 | 188  | 249233   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.919 | 240  | 212651   | 20.000  | ng    | # 0.03   |
| 86) Perylene-d12              | 25.350 | 264  | 247112   | 20.000  | ng    | # 0.06   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.761  | 112  | 235772   | 74.539  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.377  | 99   | 296688   | 70.463  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.398  | 82   | 200138   | 47.499  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.337 | 330  | 125370   | 65.421  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.476 | 172  | 456968   | 50.304  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.197 | 244  | 527251   | 49.592  | ng    | 0.02     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.404  | 70   | 28101    | 8.686   | ng    | # 74     |
| 36) 4-Chloro-3-methylphenol   | 12.318 | 107  | 14122    | 3.472   | ng    | 96       |
| 49) Acenaphthylene            | 14.580 | 152  | 223143   | 17.579  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.732 | 138  | 8192     | 3.218   | ng    | 85       |
| 71) Phenanthrene              | 17.641 | 178  | 90849    | 6.755   | ng    | # 84     |
| 72) Anthracene                | 17.735 | 178  | 31169    | 2.385   | ng    | # 51     |
| 74) Di-n-butylphthalate       | 18.546 | 149  | 37880    | 2.597   | ng    | # 50     |
| 75) Fluoranthene              | 19.651 | 202  | 744565   | 45.504  | ng    | 96       |
| 78) Pyrene                    | 20.021 | 202  | 1485939  | 103.234 | ng    | 94       |
| 80) Butylbenzylphthalate      | 20.873 | 149  | 18676    | 3.314   | ng    | # 1      |
| 81) Benzo(a)anthracene        | 21.901 | 228  | 542382   | 37.031  | ng    | # 88     |
| 83) Chrysene                  | 21.966 | 228  | 536359   | 38.467  | ng    | 93       |
| 84) Bis(2-ethylhexyl)phtha... | 21.760 | 149  | 380531   | 46.990  | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 23.035 | 149  | 29172    | 2.105   | ng    | # 50     |
| 87) Indeno(1,2,3-cd)pyrene    | 29.316 | 276  | 1222756  | 60.401  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.269 | 252  | 1862696  | 115.744 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 24.269 | 252  | 1862696  | 116.115 | ng    | # 92     |
| 90) Benzo(a)pyrene            | 25.197 | 252  | 792694   | 57.400  | ng    | # 92     |
| 91) Dibenzo(a,h)anthracene    | 29.333 | 278  | 163093   | 9.859   | ng    | # 87     |
| 92) Benzo(g,h,i)perylene      | 30.591 | 276  | 2208456  | 132.455 | ng    | 100      |

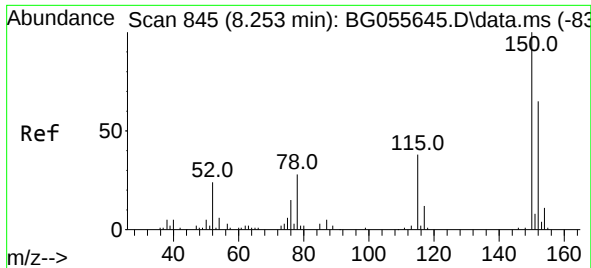
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112822\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 29 02:02:15 2022  
Response via : Initial Calibration

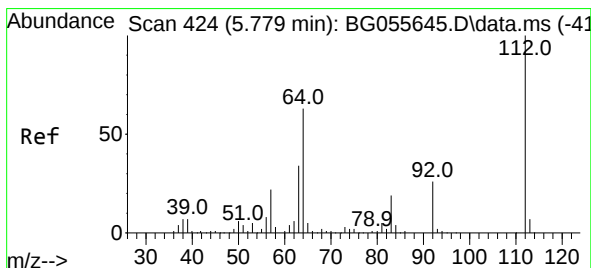
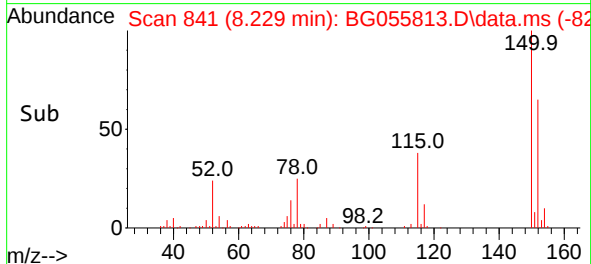
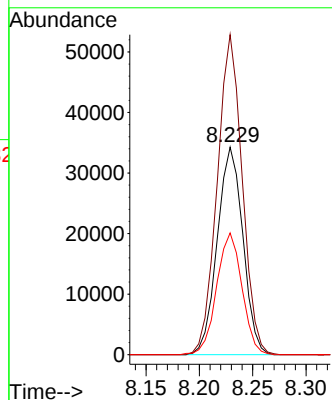
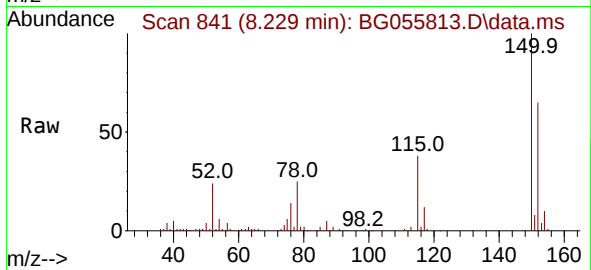




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.229 min Scan# 84  
 Delta R.T. -0.002 min  
 Lab File: BG055813.D  
 Acq: 28 Nov 2022 20:31

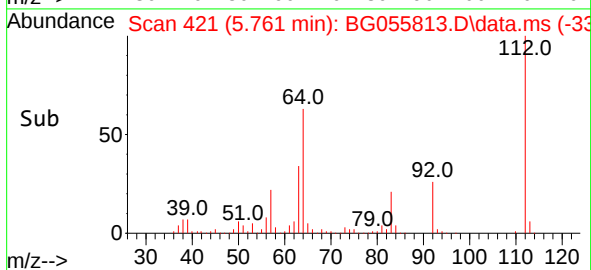
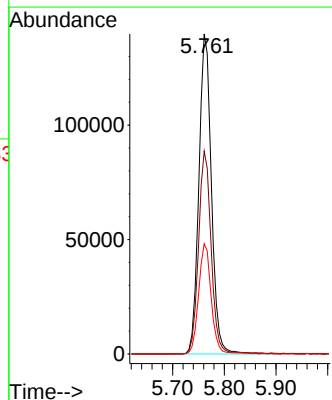
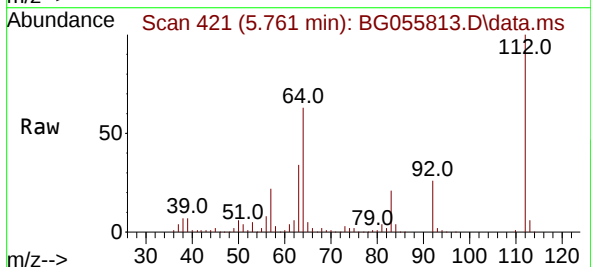
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 BNA\_G  
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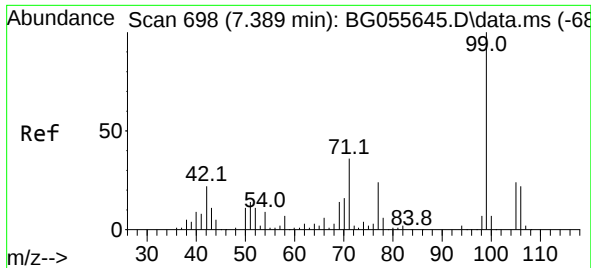
Tgt Ion:152 Resp: 57173  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 123.0 184.6  
 115 58.7 47.0 70.4



#5  
 2-Fluorophenol  
 Concen: 74.539 ng  
 RT: 5.761 min Scan# 421  
 Delta R.T. 0.003 min  
 Lab File: BG055813.D  
 Acq: 28 Nov 2022 20:31

Tgt Ion:112 Resp: 235772  
 Ion Ratio Lower Upper  
 112 100  
 64 63.4 50.6 76.0  
 63 34.5 27.5 41.3

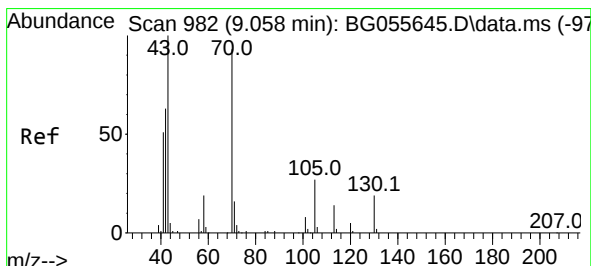
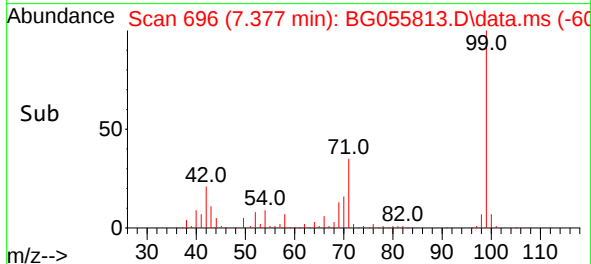
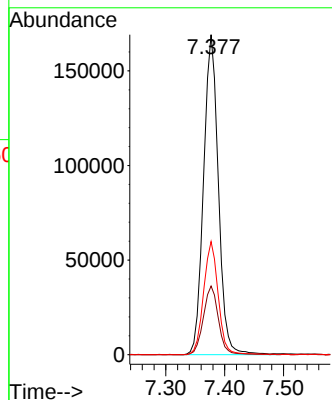
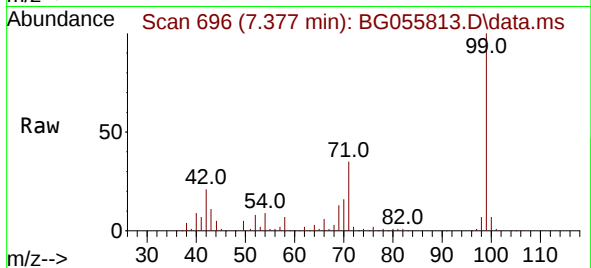




#7  
Phenol-d6  
Concen: 70.463 ng  
RT: 7.377 min Scan# 61  
Delta R.T. -0.002 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

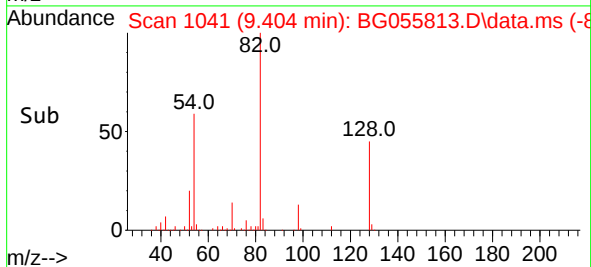
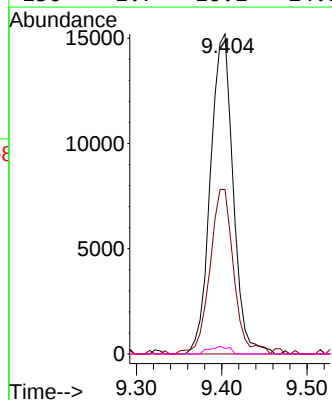
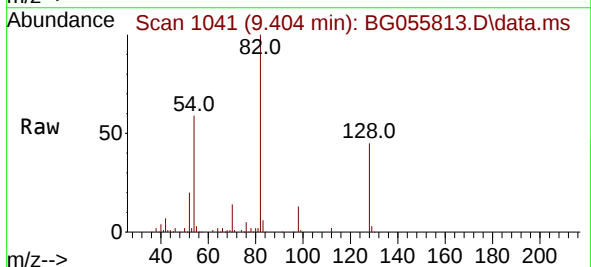
Instrument :  
BNA\_G  
ClientSampleId :  
B-7S

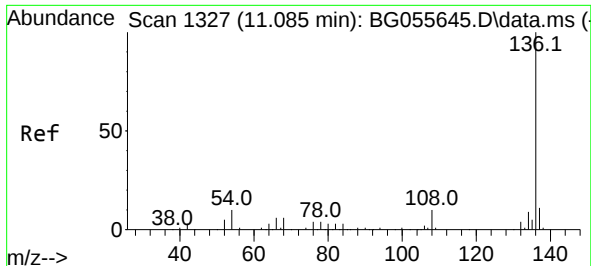
Tgt Ion: 99 Resp: 296688  
Ion Ratio Lower Upper  
99 100  
42 21.5 18.0 27.0  
71 35.3 29.0 43.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.686 ng  
RT: 9.404 min Scan# 1041  
Delta R.T. 0.368 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion: 70 Resp: 28101  
Ion Ratio Lower Upper  
70 100  
42 51.4 55.2 82.8#  
101 0.0 7.1 10.7#  
130 1.7 16.1 24.1#

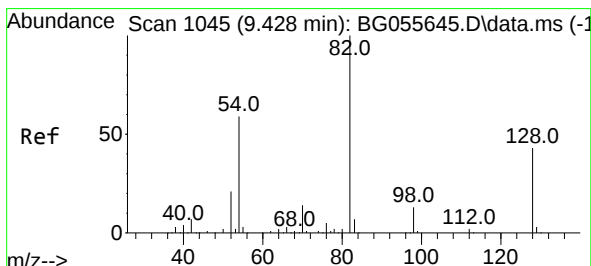
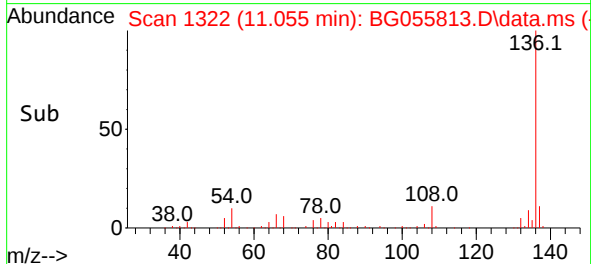
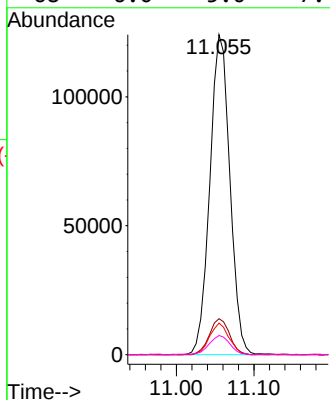
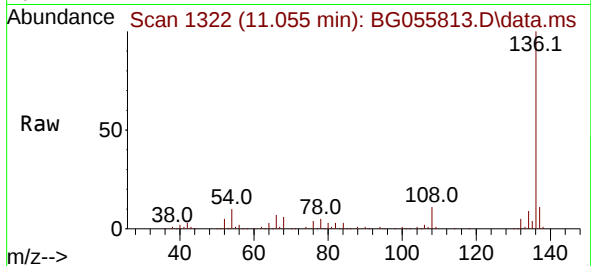




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.055 min Scan# 11  
Delta R.T. -0.008 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

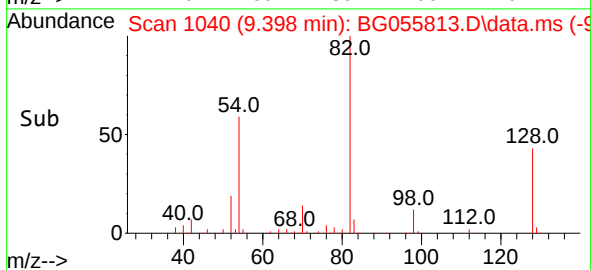
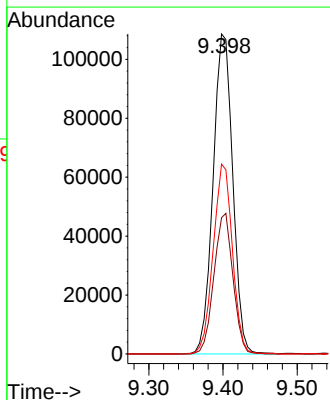
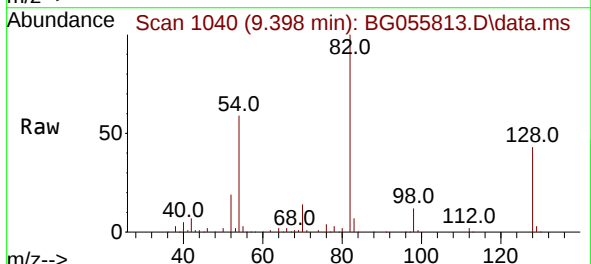
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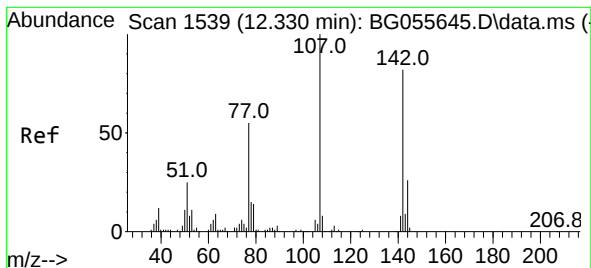
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 222706 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.0   | 13.6   |
| 54       | 9.8   | 7.8   | 11.6   |
| 68       | 6.0   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 47.499 ng  
RT: 9.398 min Scan# 1040  
Delta R.T. -0.008 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 200138 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.6  | 34.1  | 51.1   |
| 54       | 59.3  | 47.3  | 70.9   |

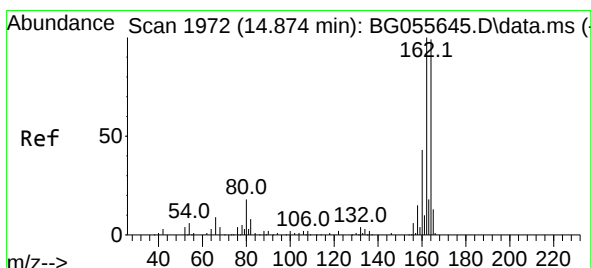
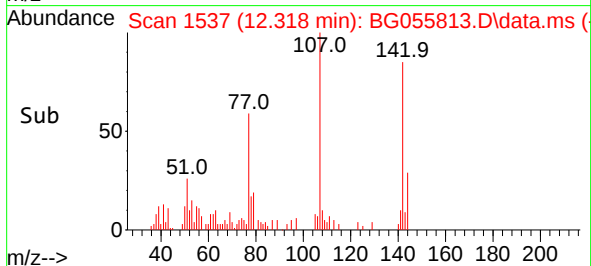
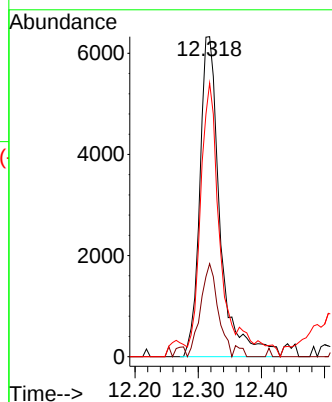
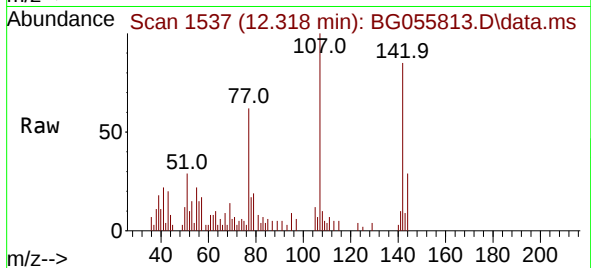




#36  
4-Chloro-3-methylphenol  
Concen: 3.472 ng  
RT: 12.318 min Scan# 1  
Delta R.T. -0.002 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

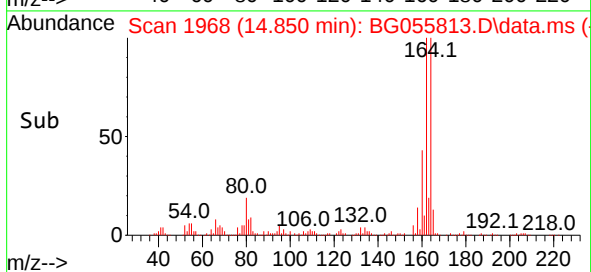
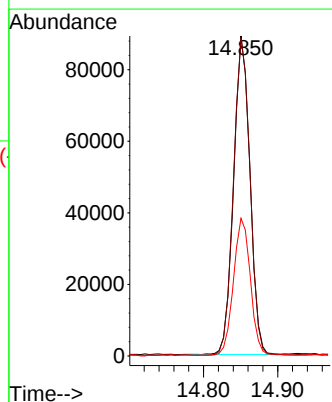
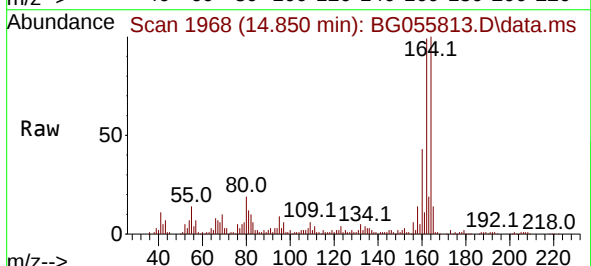
Instrument :  
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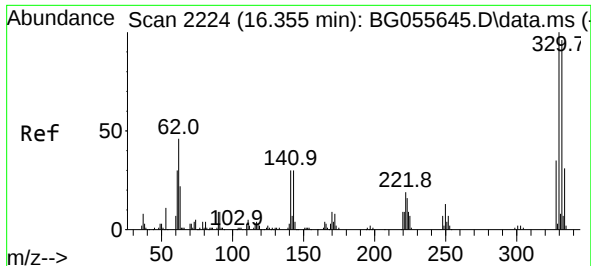
Tgt Ion:107 Resp: 14122  
Ion Ratio Lower Upper  
107 100  
144 29.0 21.0 31.4  
142 85.5 65.9 98.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.850 min Scan# 1968  
Delta R.T. -0.008 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion:164 Resp: 136092  
Ion Ratio Lower Upper  
164 100  
162 99.4 81.1 121.7  
160 43.0 34.8 52.2

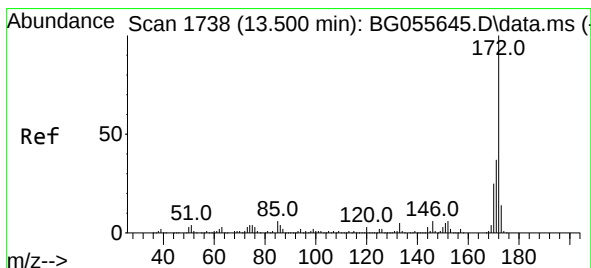
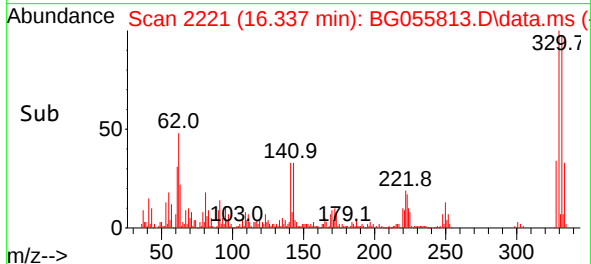
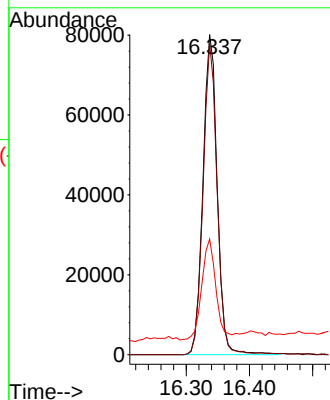
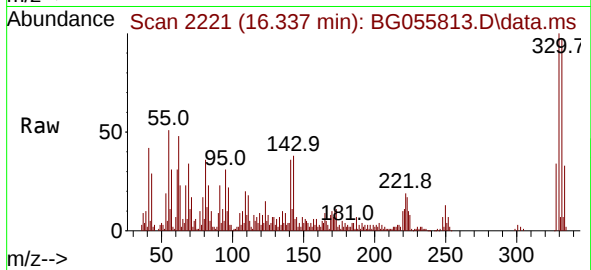




#42  
2,4,6-Tribromophenol  
Concen: 65.421 ng  
RT: 16.337 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

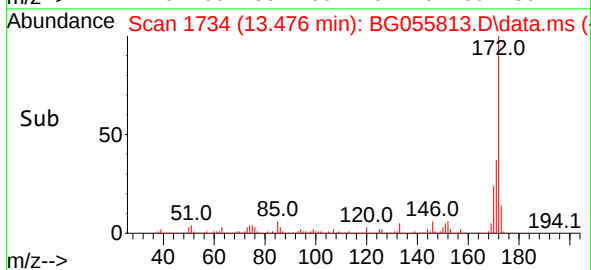
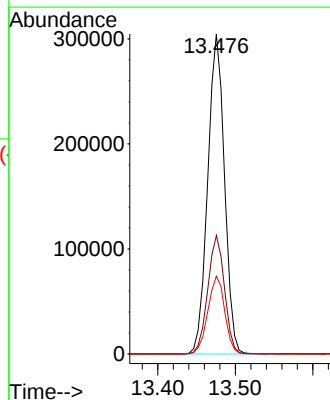
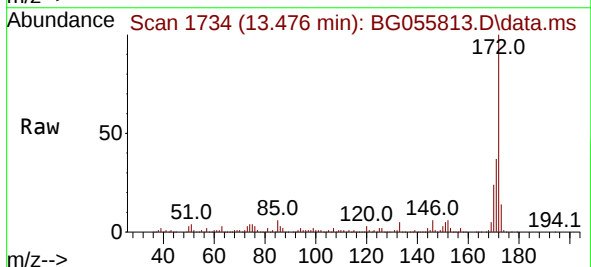
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B-7S

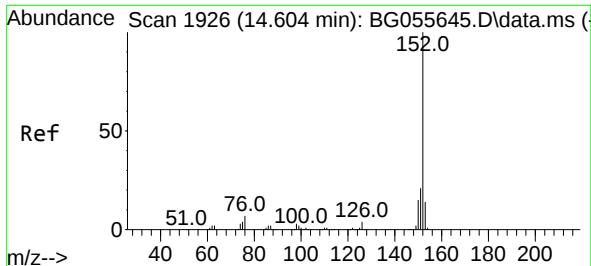
Tgt Ion:330 Resp: 125370  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.8 116.8  
141 30.8 23.9 35.9



#45  
2-Fluorobiphenyl  
Concen: 50.304 ng  
RT: 13.476 min Scan# 1734  
Delta R.T. -0.008 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion:172 Resp: 456968  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.8 44.6  
170 24.4 20.2 30.4

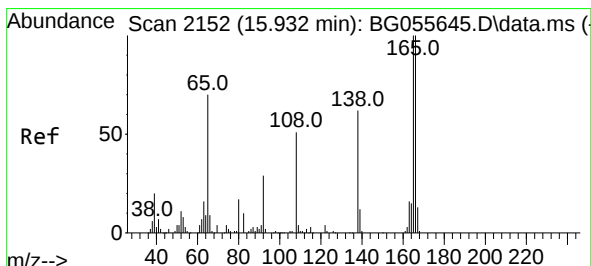
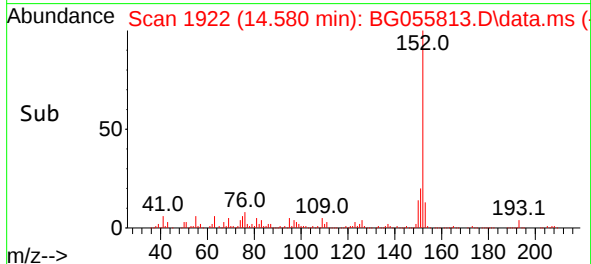
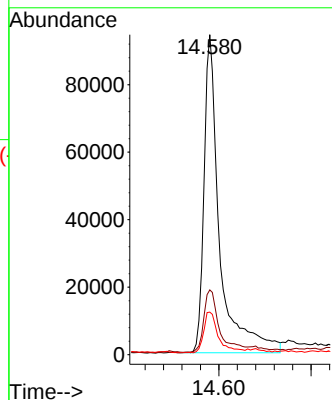
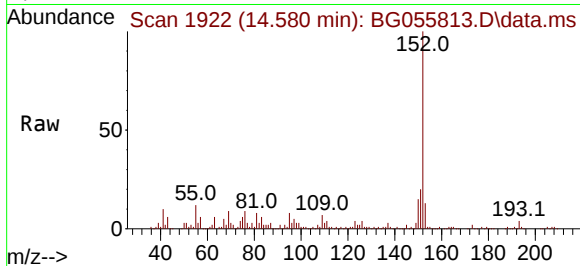




#49  
Acenaphthylene  
Concen: 17.579 ng  
RT: 14.580 min Scan# 1926  
Delta R.T. -0.002 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

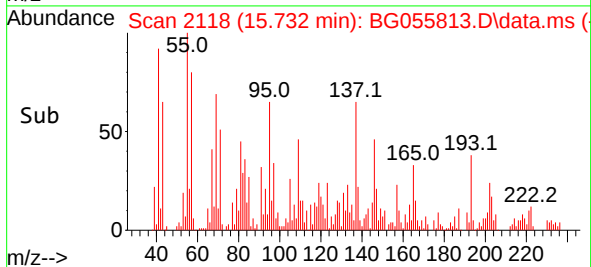
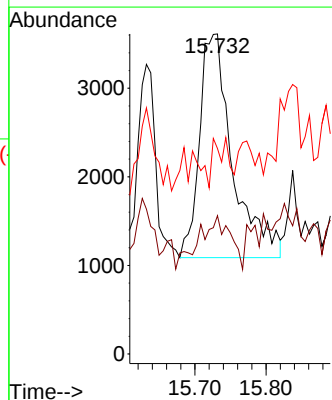
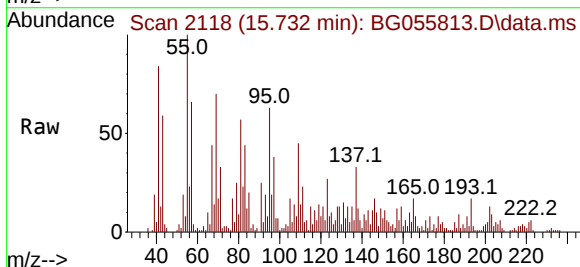
Instrument :  
BNA\_G  
ClientSampleId :  
B-7S

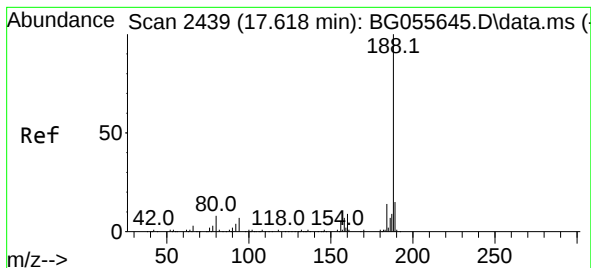
Tgt Ion:152 Resp: 223143  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.4 24.6  
153 13.3 11.0 16.4



#62  
4-Nitroaniline  
Concen: 3.218 ng  
RT: 15.732 min Scan# 2118  
Delta R.T. -0.185 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion:138 Resp: 8192  
Ion Ratio Lower Upper  
138 100  
92 43.2 27.3 67.3  
108 64.2 62.8 102.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.600 min Scan# 2439

Delta R.T. 0.003 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

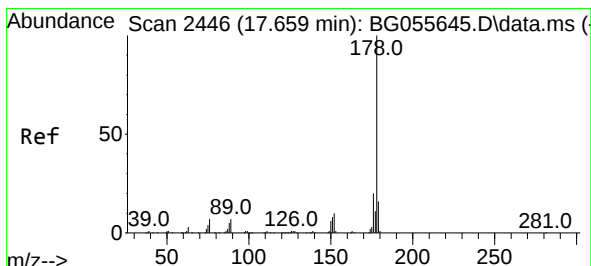
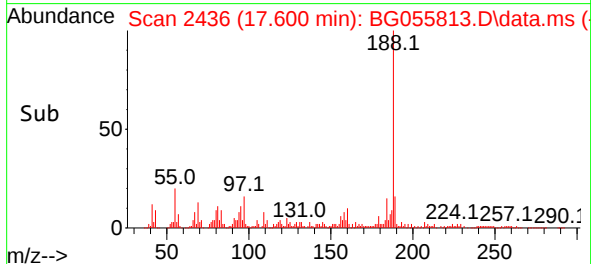
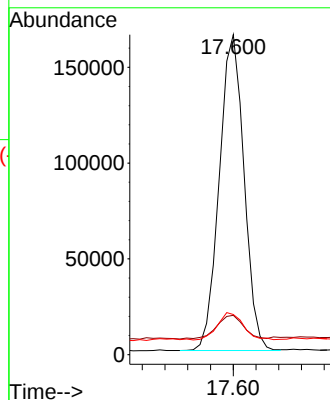
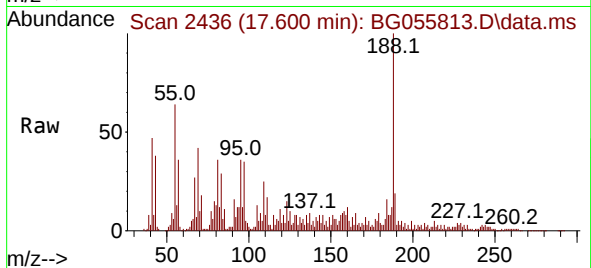
Tgt Ion:188 Resp: 249233

Ion Ratio Lower Upper

188 100

94 12.3 5.4 8.2#

80 12.6 6.6 10.0#



#71

Phenanthrene

Concen: 6.755 ng

RT: 17.641 min Scan# 2443

Delta R.T. -0.002 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

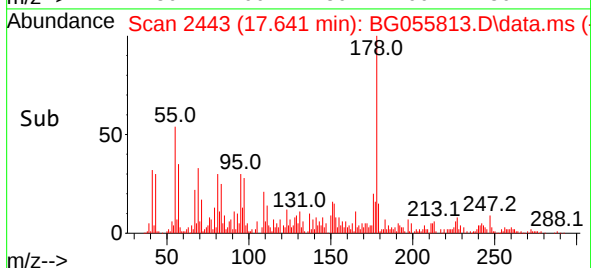
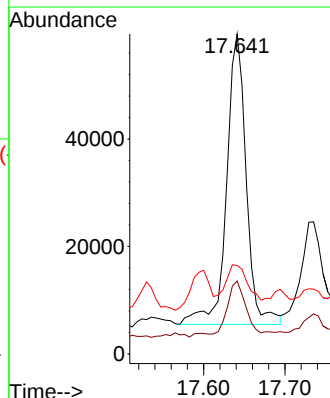
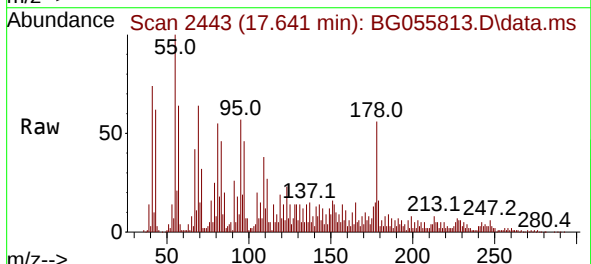
Tgt Ion:178 Resp: 90849

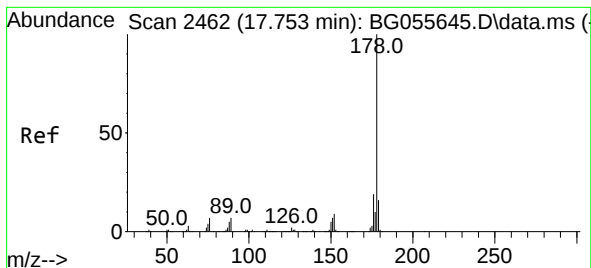
Ion Ratio Lower Upper

178 100

176 22.8 16.0 24.0

179 27.6 12.7 19.1#





#72

Anthracene

Concen: 2.385 ng

RT: 17.735 min Scan# 2462

Delta R.T. 0.003 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

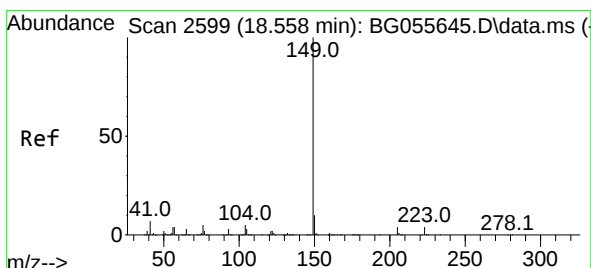
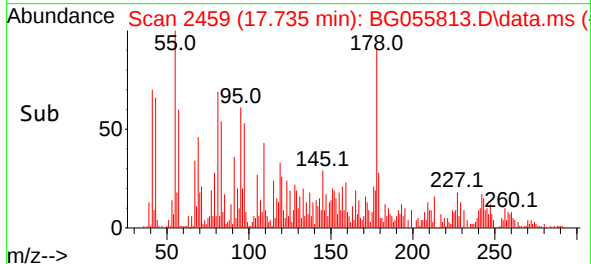
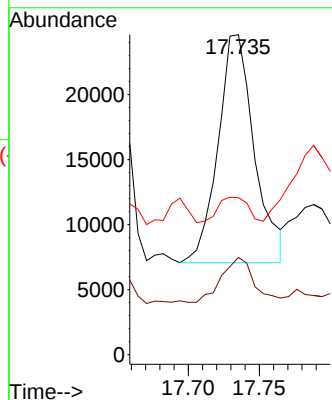
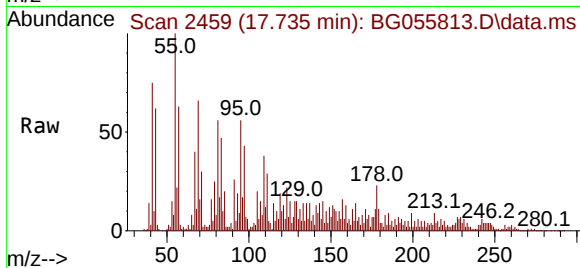
Tgt Ion:178 Resp: 31169

Ion Ratio Lower Upper

178 100

176 30.4 15.5 23.3#

179 49.1 12.5 18.7#



#74

Di-n-butylphthalate

Concen: 2.597 ng

RT: 18.546 min Scan# 2597

Delta R.T. 0.015 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

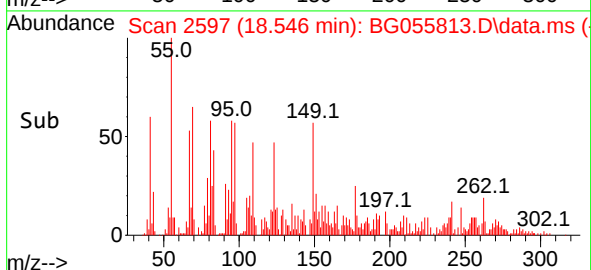
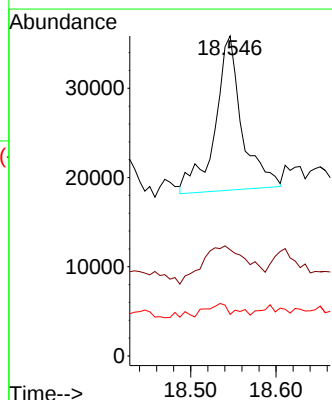
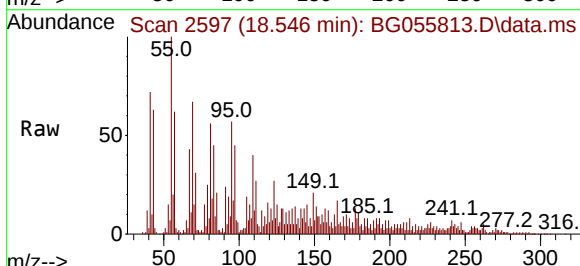
Tgt Ion:149 Resp: 37880

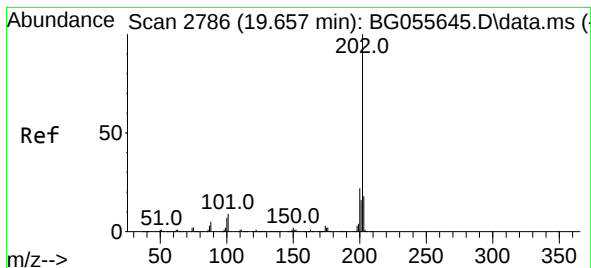
Ion Ratio Lower Upper

149 100

150 33.2 7.8 11.6#

104 13.0 4.0 6.0#





#75

Fluoranthene

Concen: 45.504 ng

RT: 19.651 min Scan# 21

Delta R.T. 0.015 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

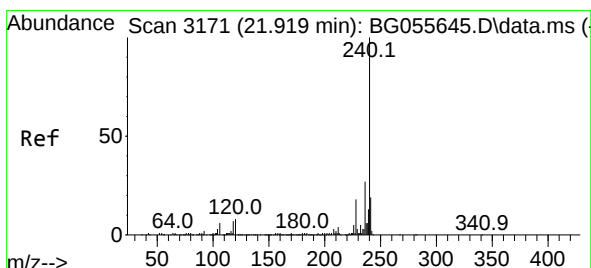
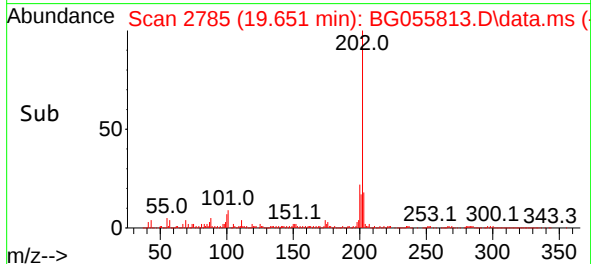
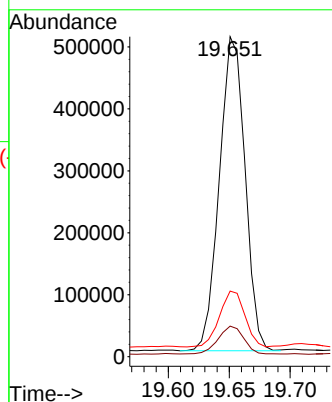
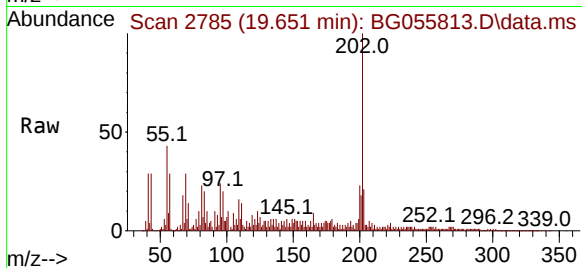
Tgt Ion:202 Resp: 744565

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.8

203 20.5 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.919 min Scan# 3171

Delta R.T. 0.027 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

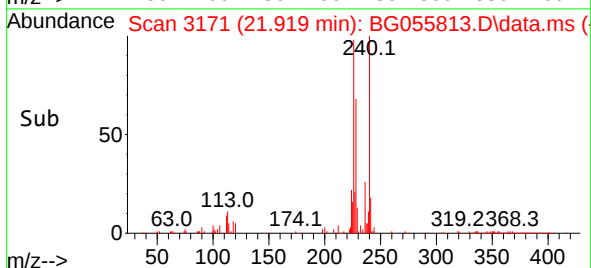
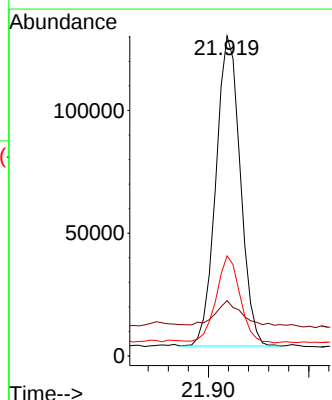
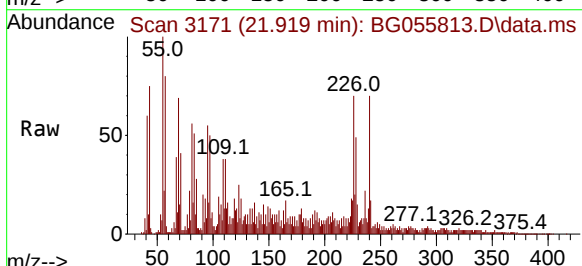
Tgt Ion:240 Resp: 212651

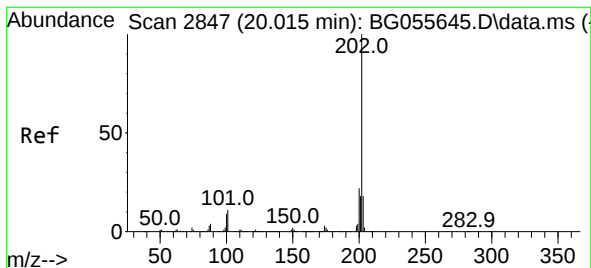
Ion Ratio Lower Upper

240 100

120 17.3 6.3 9.5#

236 31.3 21.9 32.9





#78

Pyrene

Concen: 103.234 ng

RT: 20.021 min Scan# 2

Delta R.T. 0.021 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

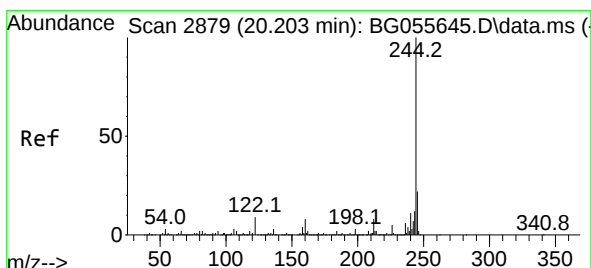
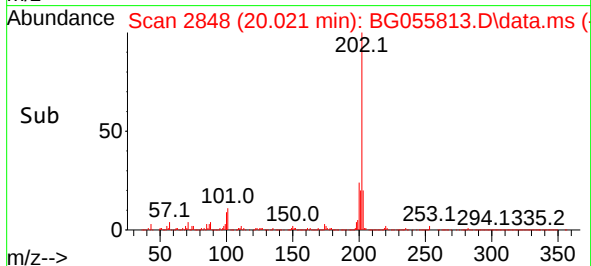
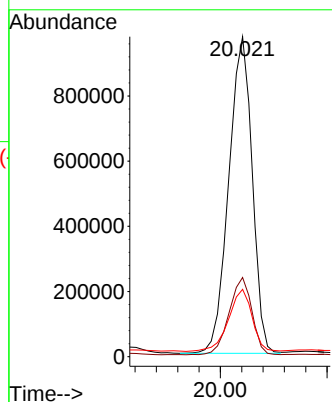
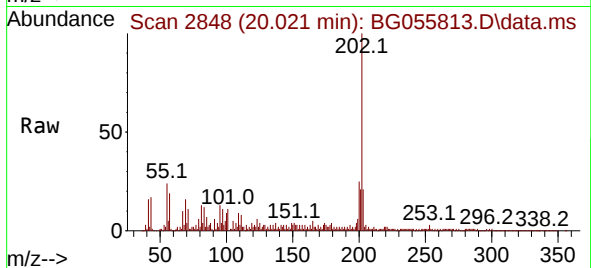
Tgt Ion:202 Resp: 1485939

Ion Ratio Lower Upper

202 100

200 24.8 17.8 26.6

203 21.1 14.4 21.6



#79

Terphenyl-d14

Concen: 49.592 ng

RT: 20.197 min Scan# 2878

Delta R.T. 0.015 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

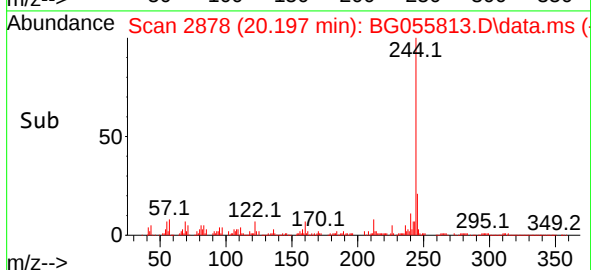
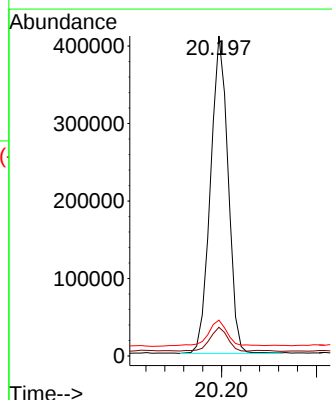
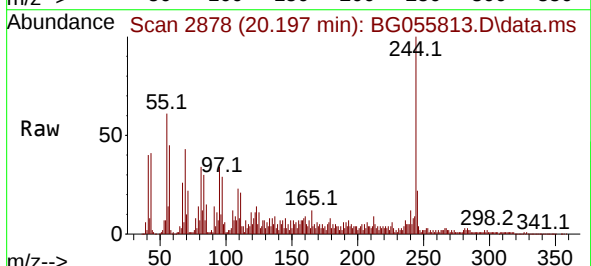
Tgt Ion:244 Resp: 527251

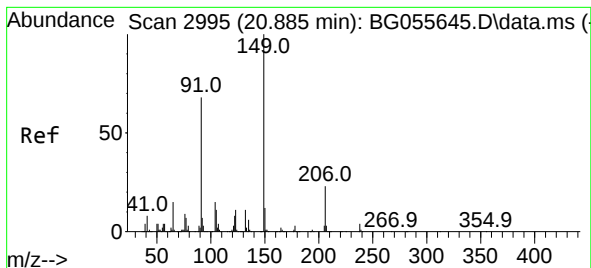
Ion Ratio Lower Upper

244 100

212 8.9 6.3 9.5

122 11.2 6.9 10.3#





#80

Butylbenzylphthalate

Concen: 3.314 ng

RT: 20.873 min Scan# 2995

Delta R.T. 0.009 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

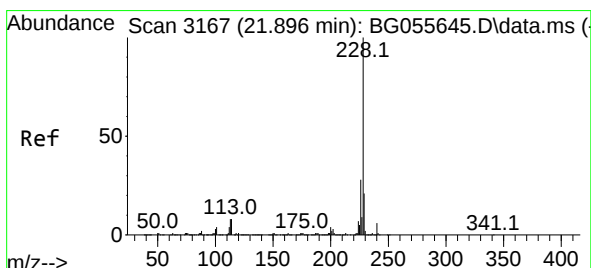
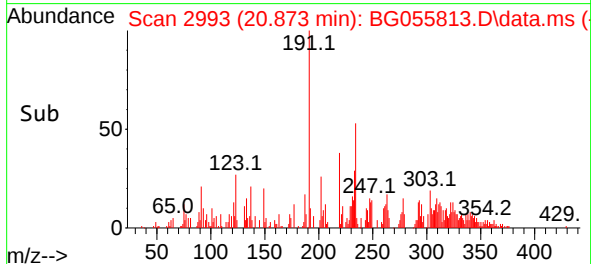
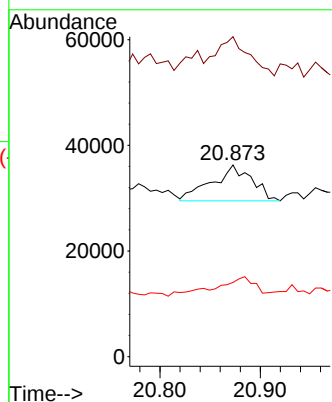
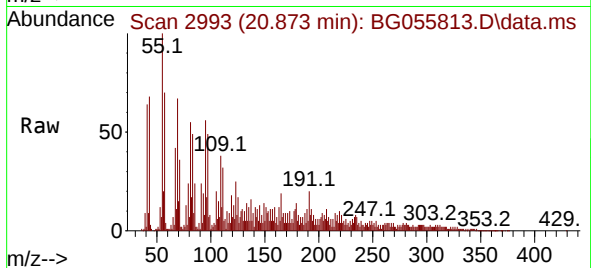
Tgt Ion:149 Resp: 18676

Ion Ratio Lower Upper

149 100

91 167.0 54.6 81.8#

206 38.7 18.3 27.5#



#81

Benzo(a)anthracene

Concen: 37.031 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.027 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

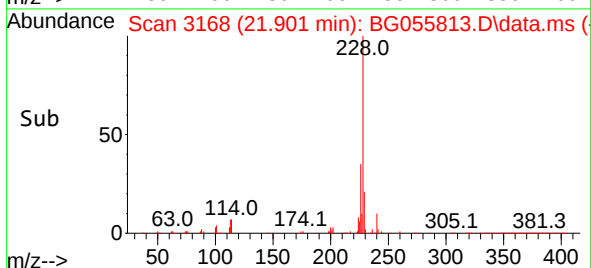
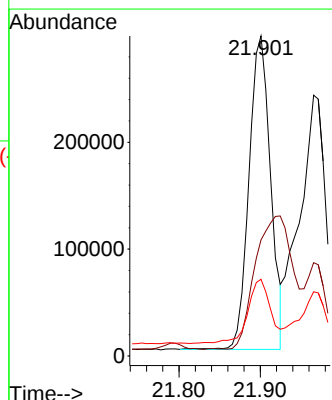
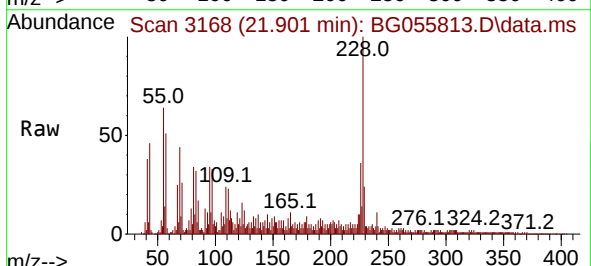
Tgt Ion:228 Resp: 542382

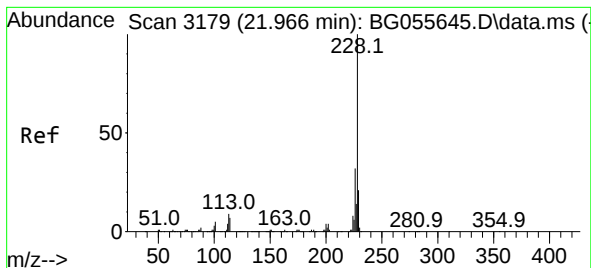
Ion Ratio Lower Upper

228 100

226 36.3 22.7 34.1#

229 24.0 16.5 24.7





#83

Chrysene

Concen: 38.467 ng

RT: 21.966 min Scan# 3179

Delta R.T. 0.021 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

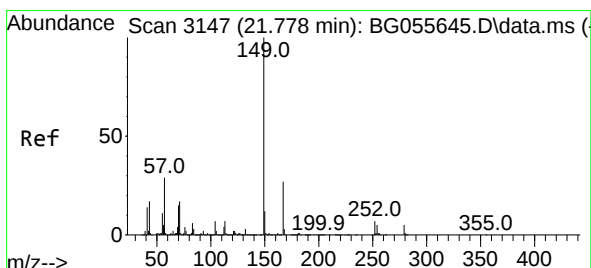
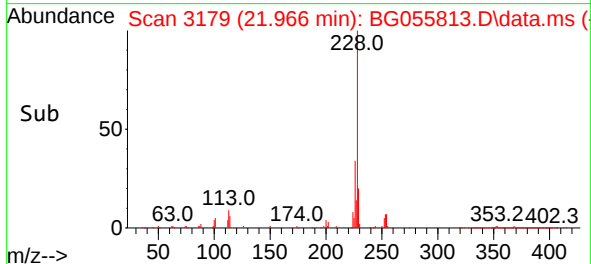
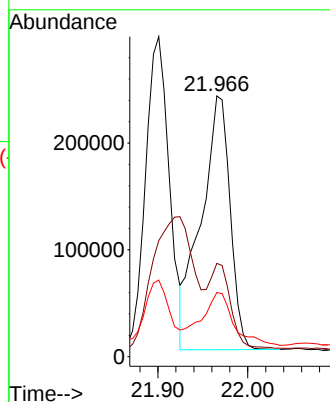
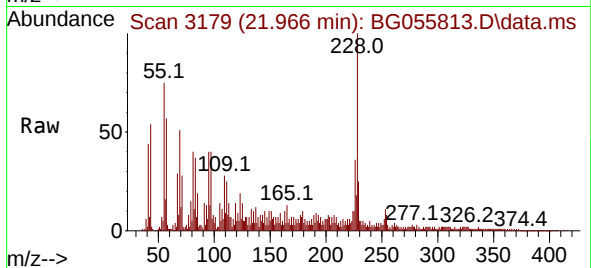
Tgt Ion:228 Resp: 536359

Ion Ratio Lower Upper

228 100

226 35.8 25.4 38.2

229 24.6 17.1 25.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.990 ng

RT: 21.760 min Scan# 3144

Delta R.T. 0.021 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

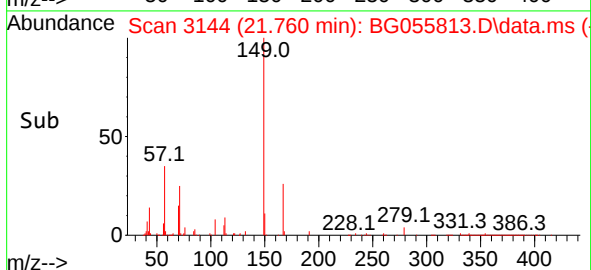
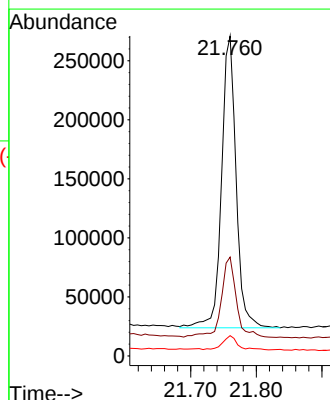
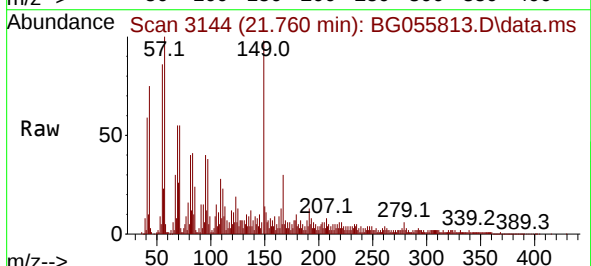
Tgt Ion:149 Resp: 380531

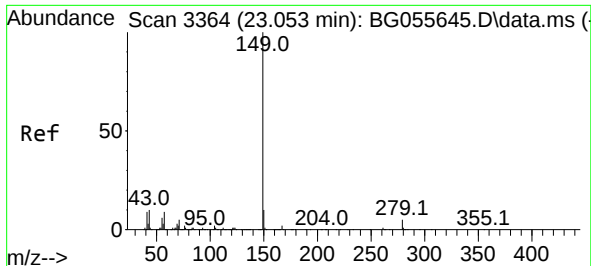
Ion Ratio Lower Upper

149 100

167 30.9 22.0 33.0

279 6.4 3.7 5.5#

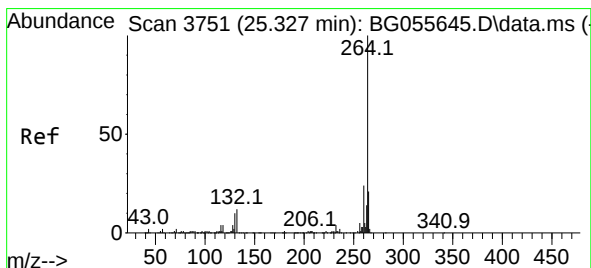
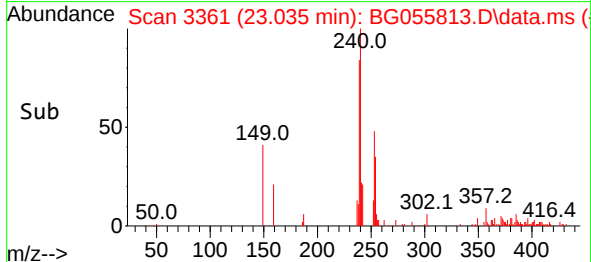
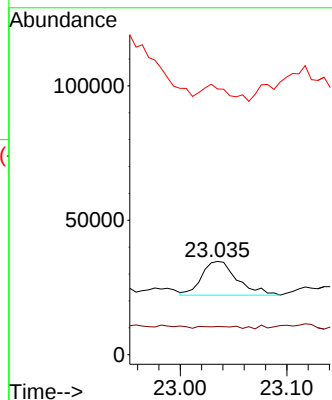
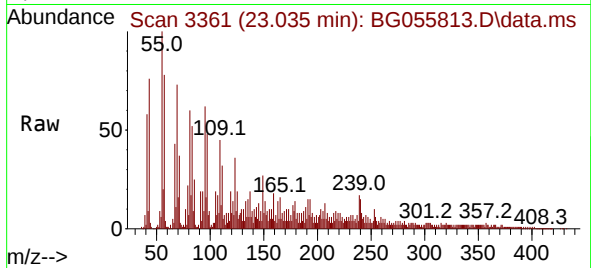




#85  
Di-n-octyl phthalate  
Concen: 2.105 ng  
RT: 23.035 min Scan# 31  
Delta R.T. 0.027 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

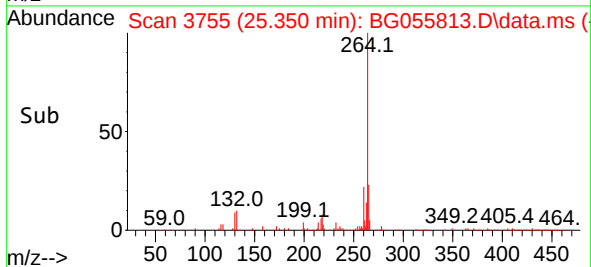
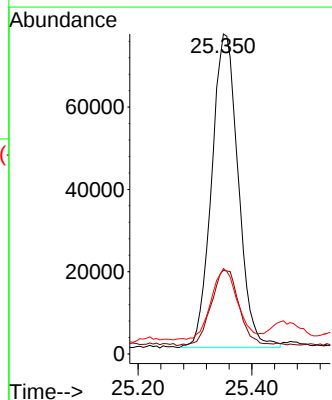
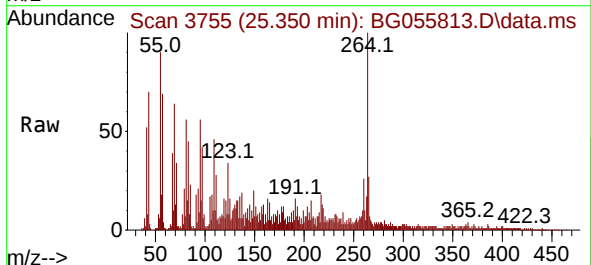
Instrument :  
BNA\_G  
ClientSampleId :  
B-7S

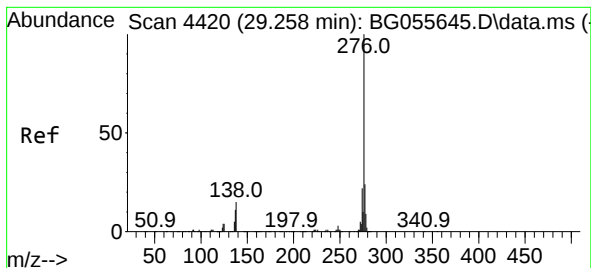
Tgt Ion:149 Resp: 29172  
Ion Ratio Lower Upper  
149 100  
167 2.2 1.3 1.9#  
43 32.2 8.4 12.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.350 min Scan# 3755  
Delta R.T. 0.062 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion:264 Resp: 247112  
Ion Ratio Lower Upper  
264 100  
260 26.2 19.5 29.3  
265 26.7 17.1 25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.401 ng

RT: 29.316 min Scan# 4430

Delta R.T. 0.103 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

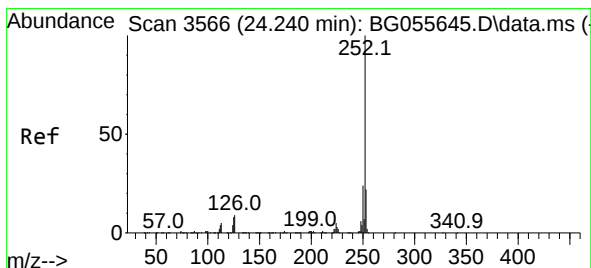
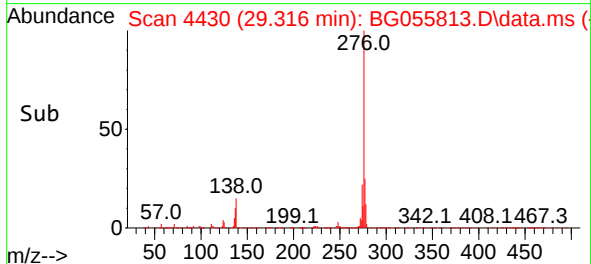
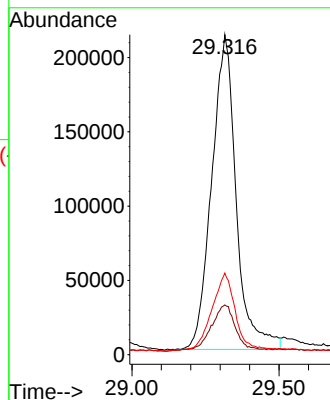
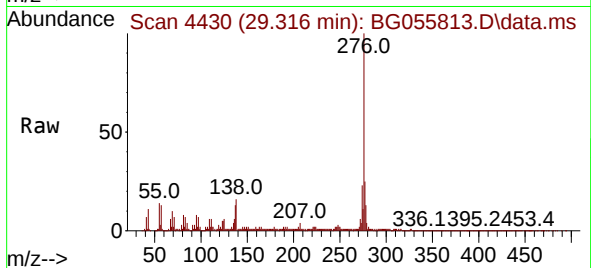
Tgt Ion:276 Resp: 1222756

Ion Ratio Lower Upper

276 100

138 14.4 10.4 15.6

277 24.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 115.744 ng

RT: 24.269 min Scan# 3571

Delta R.T. 0.062 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

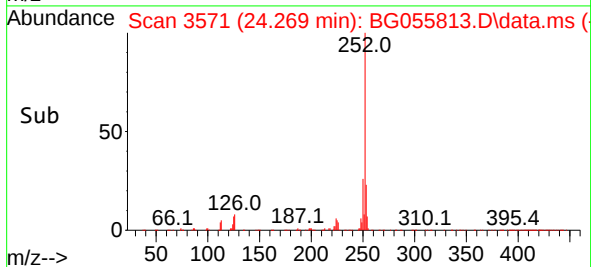
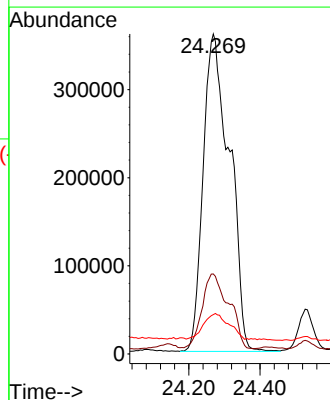
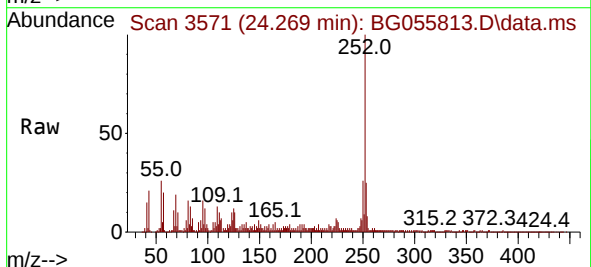
Tgt Ion:252 Resp: 1862696

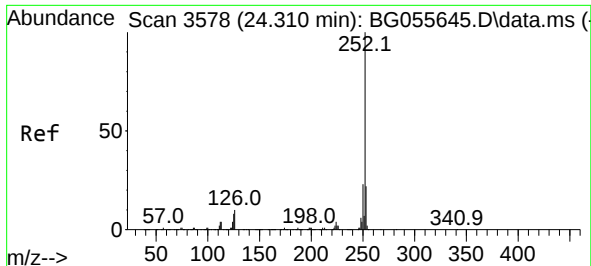
Ion Ratio Lower Upper

252 100

253 25.0 18.0 27.0

125 12.3 6.2 9.2#

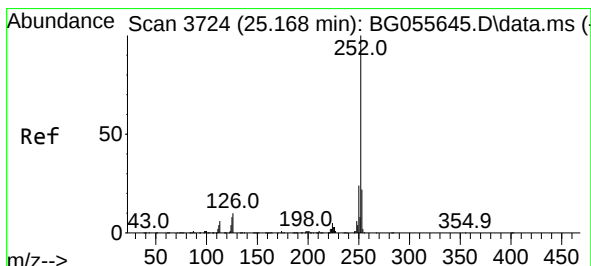
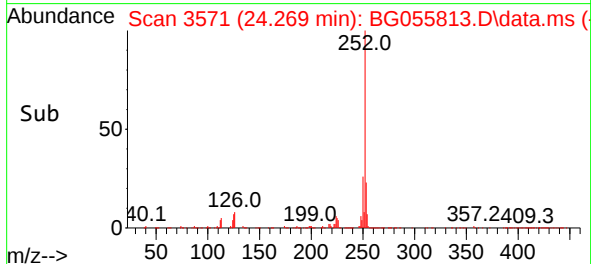
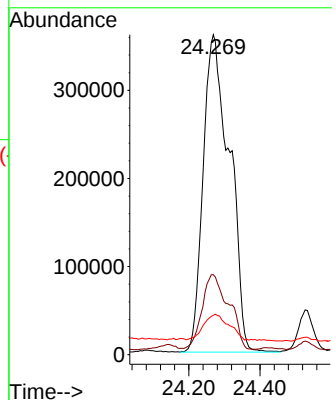
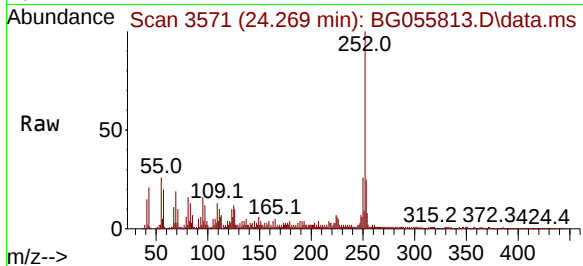




#89  
Benzo(k)fluoranthene  
Concen: 116.115 ng  
RT: 24.269 min Scan# 31  
Delta R.T. -0.008 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

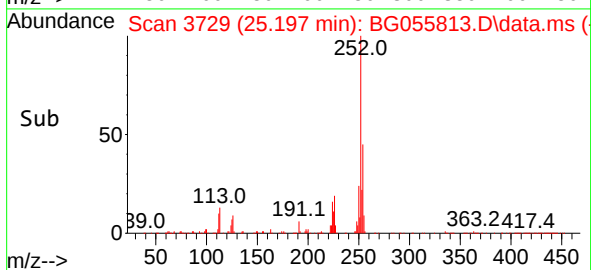
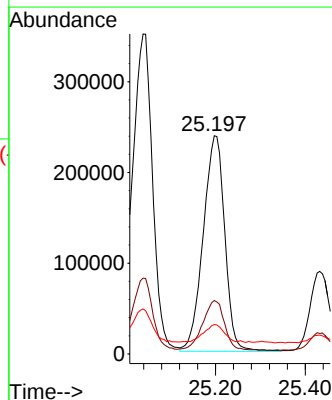
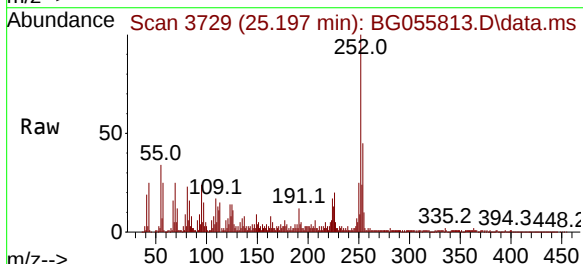
Instrument :  
BNA\_G  
ClientSampleId :  
B-7S

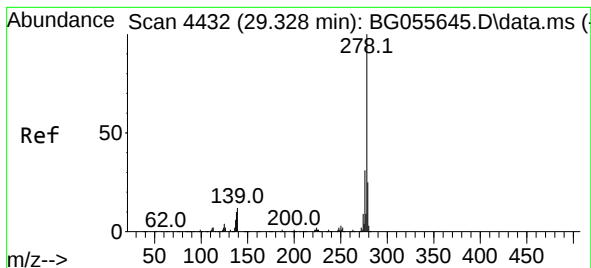
Tgt Ion:252 Resp: 1862696  
Ion Ratio Lower Upper  
252 100  
253 25.0 17.8 26.6  
125 12.3 6.1 9.1#



#90  
Benzo(a)pyrene  
Concen: 57.400 ng  
RT: 25.197 min Scan# 3729  
Delta R.T. 0.068 min  
Lab File: BG055813.D  
Acq: 28 Nov 2022 20:31

Tgt Ion:252 Resp: 792694  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.8 26.6  
125 13.5 6.4 9.6#





#91

Dibenzo(a,h)anthracene

Concen: 9.859 ng

RT: 29.333 min Scan# 4433

Delta R.T. 0.068 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Instrument :

BNA\_G

ClientSampleId :

B-7S

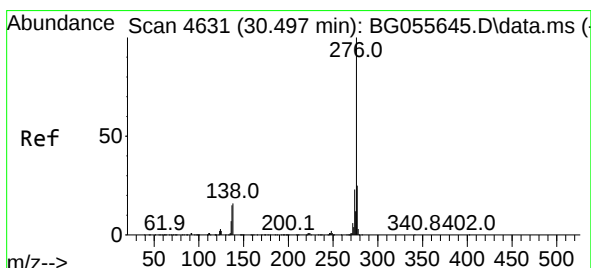
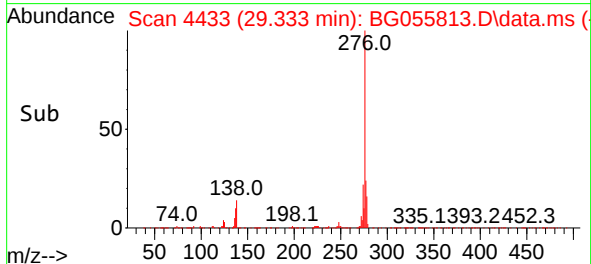
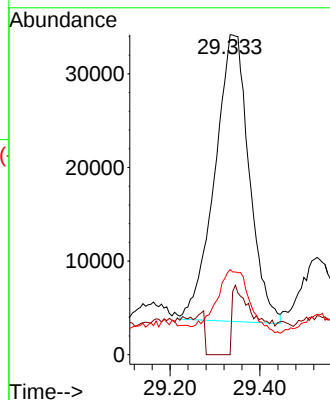
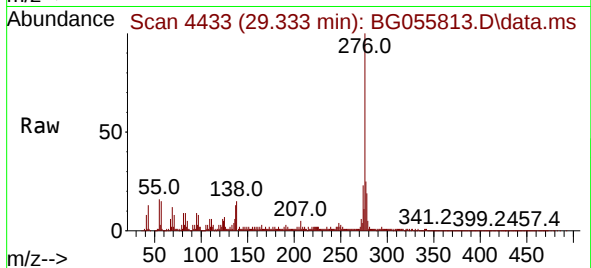
Tgt Ion:278 Resp: 163093

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.8#

279 26.6 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 132.455 ng

RT: 30.591 min Scan# 4647

Delta R.T. 0.156 min

Lab File: BG055813.D

Acq: 28 Nov 2022 20:31

Tgt Ion:276 Resp: 2208456

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 16.2 13.1 19.7

