

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121823\  
 Data File : BP018917.D  
 Acq On : 18 Dec 2023 21:00  
 Operator : MA/JU  
 Sample : 05794-17  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BGRG0

Quant Time: Dec 18 21:43:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 13 23:34:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.828  | 152  | 192388   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.628 | 136  | 688256   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.463 | 164  | 416971   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.216 | 188  | 997260   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.316 | 240  | 1007764  | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 23.686 | 264  | 1294744  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 12068    | 2.138  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 35922    | 2.375  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.004  | 99   | 198633   | 10.288 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.169  | 67   | 116837   | 10.210 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.363  | 132  | 163690   | 10.866 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.546  | 113  | 146212   | 9.358  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.993  | 128  | 74430    | 12.150 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.710  | 143  | 78939    | 12.430 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.251 | 165  | 158763   | 12.225 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.769 | 131  | 119598   | 7.047  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.881 | 166  | 471835   | 12.679 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.157 | 160  | 586273   | 14.307 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.681 | 143  | 41250    | 6.753  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.457 | 176  | 463368   | 14.833 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 200  | 16715    | 2.795  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.316 | 188  | 788397   | 15.038 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 991086   | 12.634 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.533 | 264  | 1100411  | 14.576 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.034  | 94   | 33548    | 1.772  | ng/u1  | 93       |
| 16) Acetophenone              | 8.657  | 105  | 170548   | 7.324  | ng/u1  | 99       |
| 30) Naphthalene               | 10.675 | 128  | 102646   | 2.458  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.287 | 142  | 53038    | 1.793  | ng/u1  | 97       |
| 37) 1-Methylnaphthalene       | 12.504 | 142  | 50884    | 1.703  | ng/u1# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 39431    | 2.606  | ng/u1  | 99       |
| 50) Acenaphthylene            | 14.186 | 152  | 276604   | 6.004  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.528 | 153  | 133983   | 4.398  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.863 | 168  | 188171   | 4.444  | ng/u1  | 96       |
| 61) Fluorene                  | 15.510 | 166  | 245482   | 7.327  | ng/u1  | 99       |
| 69) Hexachlorobenzene         | 16.516 | 284  | 215276   | 15.315 | ng/u1  | 97       |
| 72) Phenanthrene              | 17.257 | 178  | 4454322  | 73.955 | ng/u1  | 100      |
| 74) Anthracene                | 17.351 | 178  | 1085200  | 17.975 | ng/u1  | 100      |
| 77) Carbazole                 | 17.622 | 167  | 411775   | 8.558  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.380 | 202  | 132277   | 1.427  | ng/u1  | 95       |
| 82) Pyrene                    | 19.586 | 202  | 6485060  | 69.326 | ng/u1# | 92       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 3766363  | 46.044 | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 97349    | 2.068  | ng/u1# | 88       |
| 87) Chrysene                  | 21.351 | 228  | 3804459  | 50.506 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 22.968 | 252  | 5304150  | 55.563 | ng/u1  | 96       |
| 91) Benzo(k)fluoranthene      | 22.968 | 252  | 5304150  | 57.425 | ng/u1  | 97       |
| 93) Benzo(a)pyrene            | 23.480 | 252  | 2349566  | 26.936 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.162 | 276  | 2718233  | 26.082 | ng/u1# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.168 | 278  | 744098   | 8.583  | ng/u1  | 93       |

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Operator : MA/JU  
Sample : 05794-17  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

Quant Time: Dec 18 21:43:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 13 23:34:47 2023  
Response via : Initial Calibration

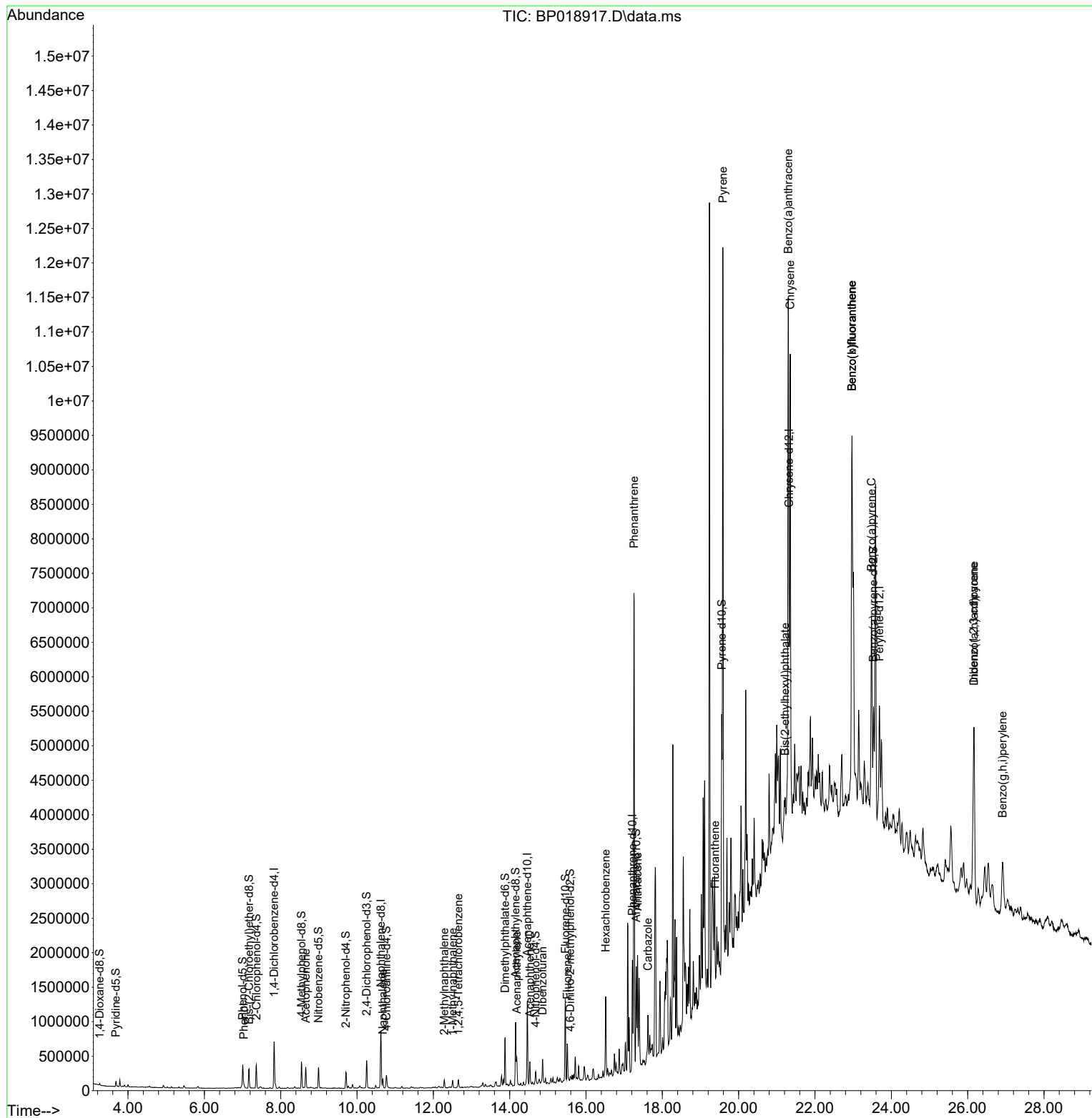
| Compound                 | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------|--------|------|----------|--------|-------|----------|
| 96) Benzo(g,h,i)perylene | 26.915 | 276  | 971130   | 11.579 | ng/ul | 95       |

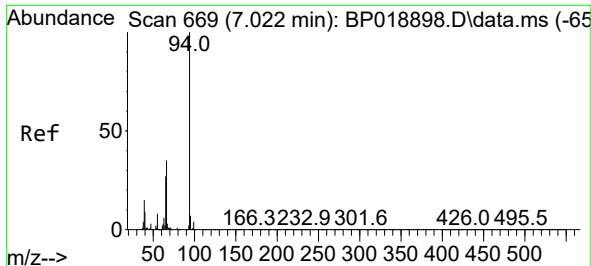
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121823\  
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#8

Phenol

Concen: 1.772 ng/ul

RT: 7.034 min Scan# 6

Delta R.T. 0.006 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

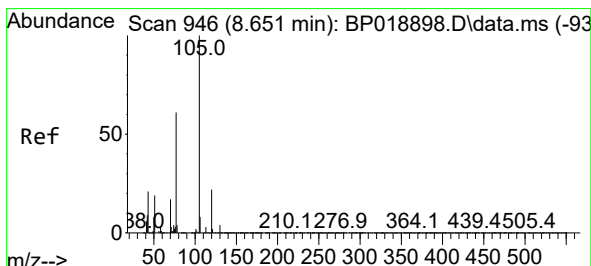
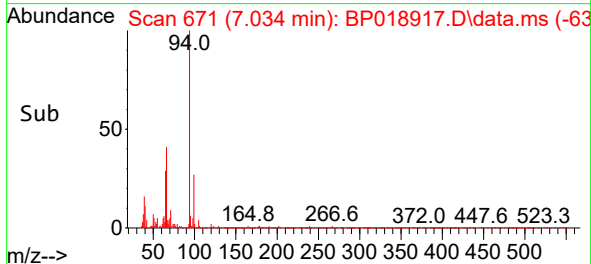
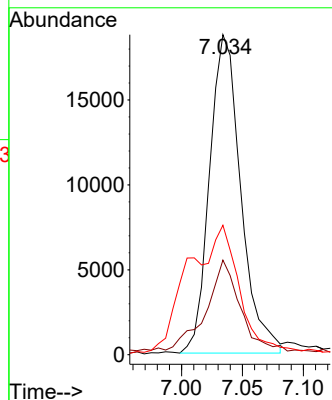
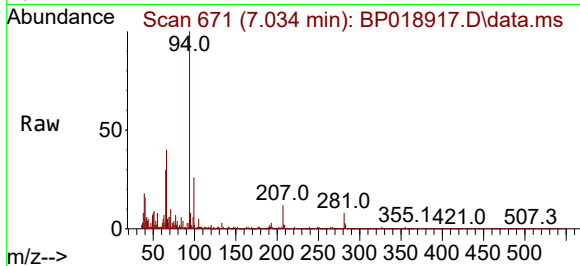
Tgt Ion: 94 Resp: 33548

Ion Ratio Lower Upper

94 100

65 29.6 21.0 31.6

66 40.5 28.6 43.0



#16

Acetophenone

Concen: 7.324 ng/ul

RT: 8.657 min Scan# 947

Delta R.T. -0.000 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

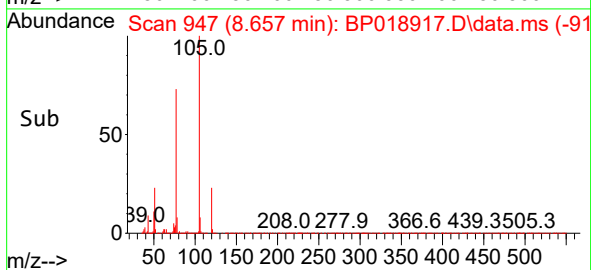
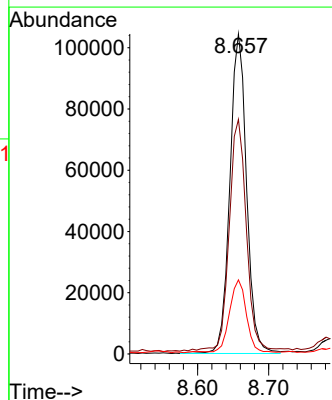
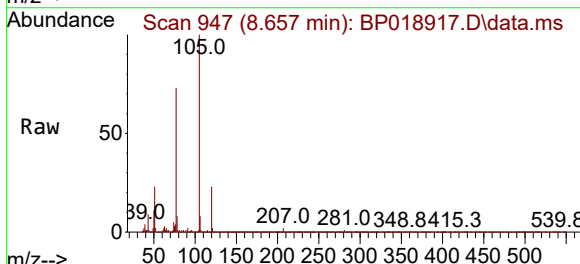
Tgt Ion:105 Resp: 170548

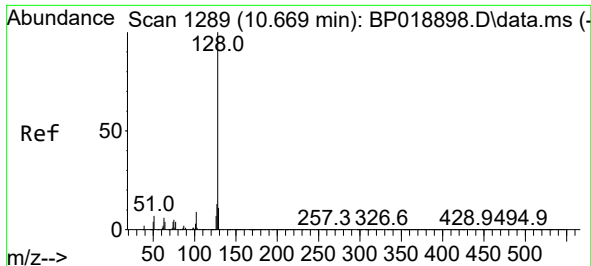
Ion Ratio Lower Upper

105 100

77 73.3 59.4 89.0

51 23.1 19.4 29.0

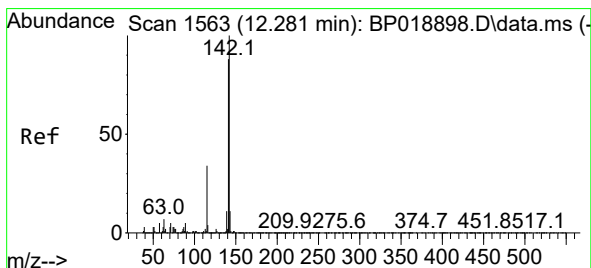
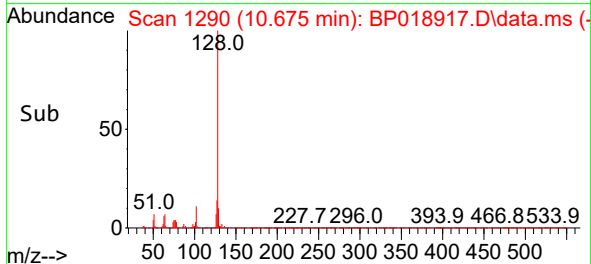
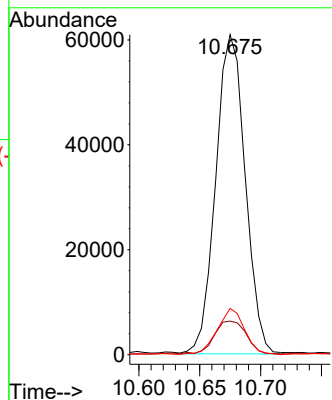
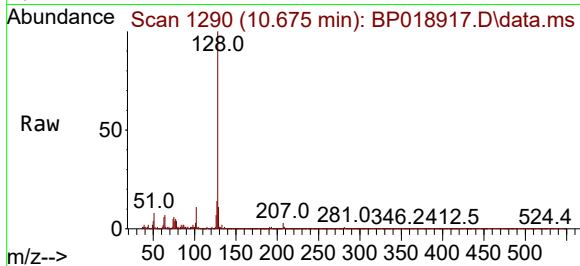




#30  
Naphthalene  
Concen: 2.458 ng/ul  
RT: 10.675 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

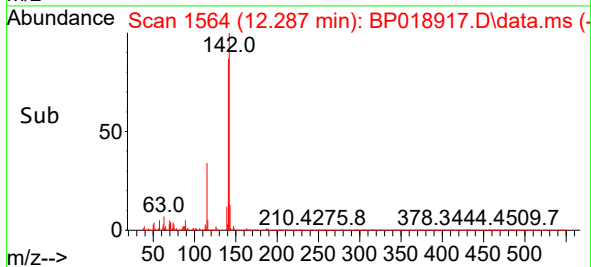
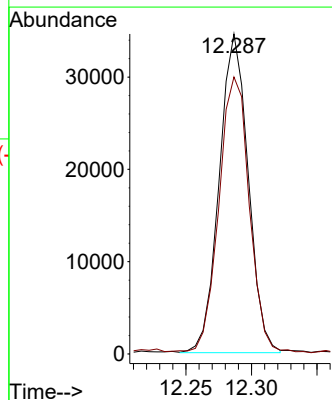
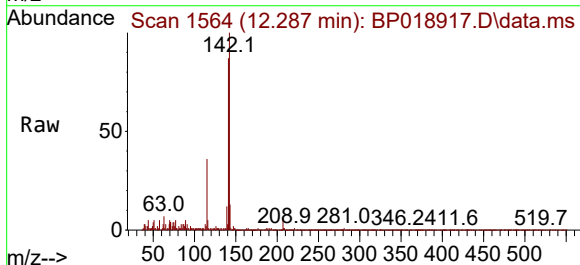
Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

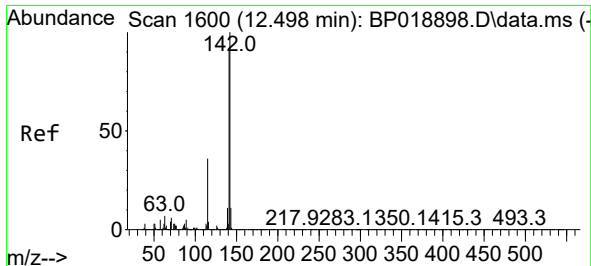
Tgt Ion:128 Resp: 102646  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.9 13.3  
127 14.4 10.5 15.7



#36  
2-Methylnaphthalene  
Concen: 1.793 ng/ul  
RT: 12.287 min Scan# 1564  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:142 Resp: 53038  
Ion Ratio Lower Upper  
142 100  
141 86.5 71.4 107.0

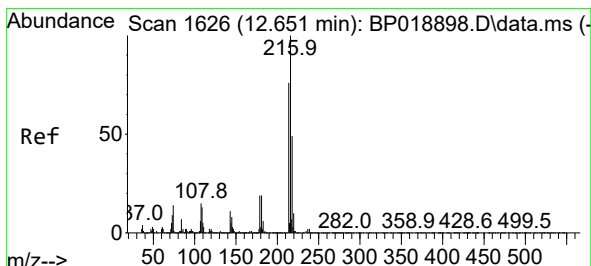
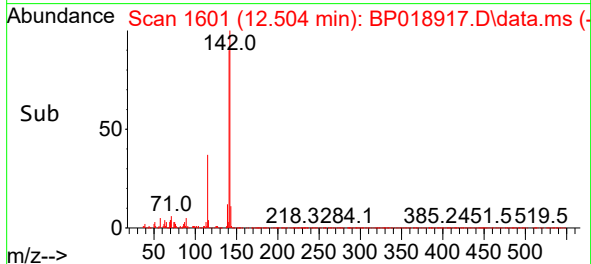
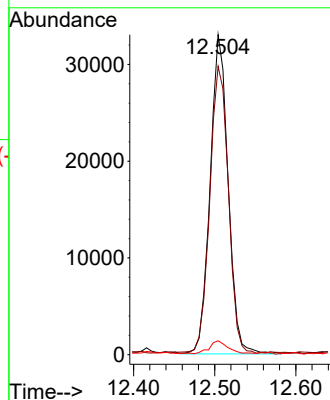
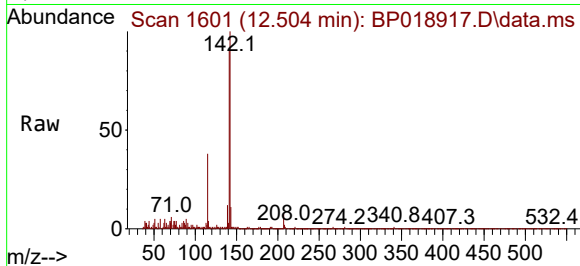




#37  
1-Methylnaphthalene  
Concen: 1.703 ng/ul  
RT: 12.504 min Scan# 1601  
Delta R.T. -0.006 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

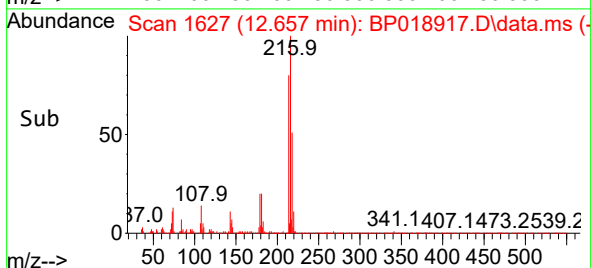
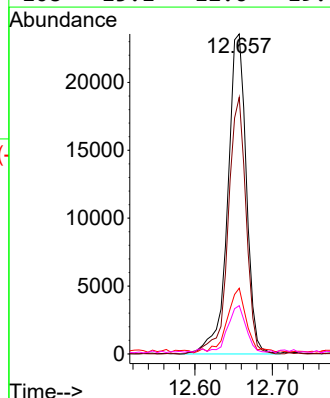
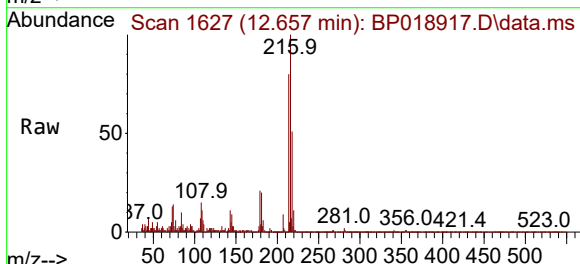
Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

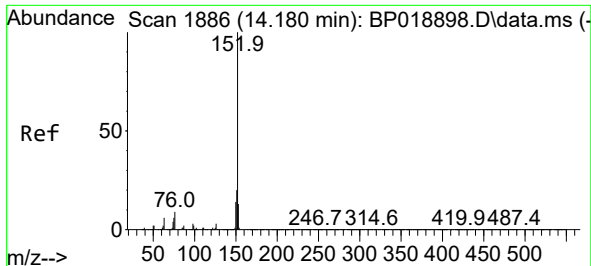
Tgt Ion:142 Resp: 50884  
Ion Ratio Lower Upper  
142 100  
141 90.1 73.5 110.3  
116 4.4 2.8 4.2#



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 2.606 ng/ul  
RT: 12.657 min Scan# 1627  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:216 Resp: 39431  
Ion Ratio Lower Upper  
216 100  
214 80.2 63.9 95.9  
179 20.6 16.3 24.5  
108 15.1 12.6 19.0

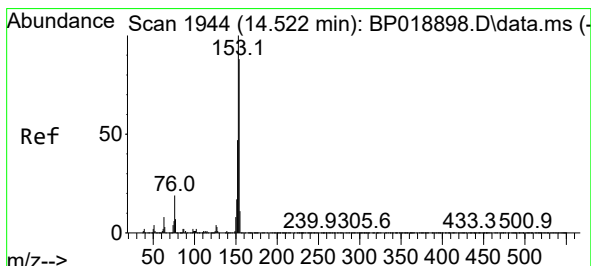
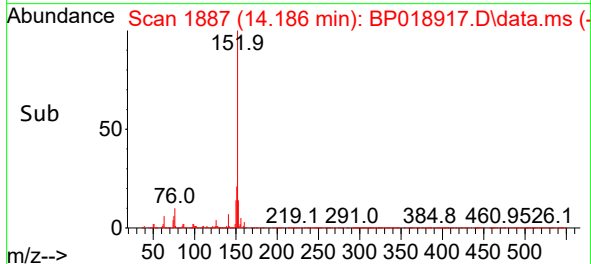
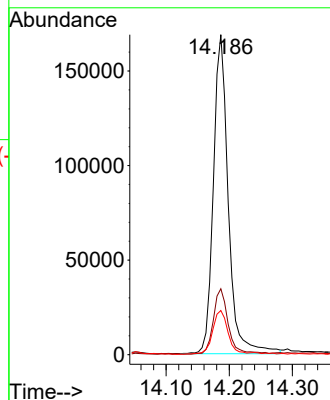
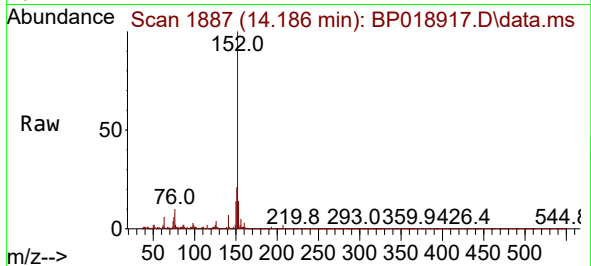




#50  
Acenaphthylene  
Concen: 6.004 ng/ul  
RT: 14.186 min Scan# 1886  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

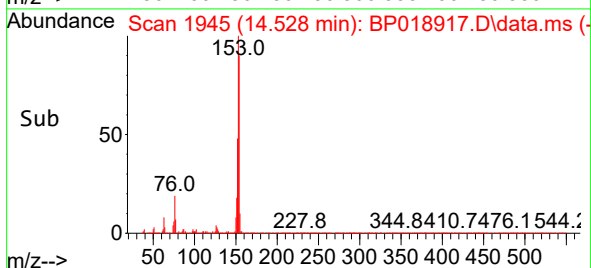
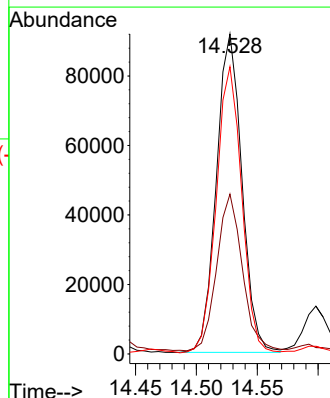
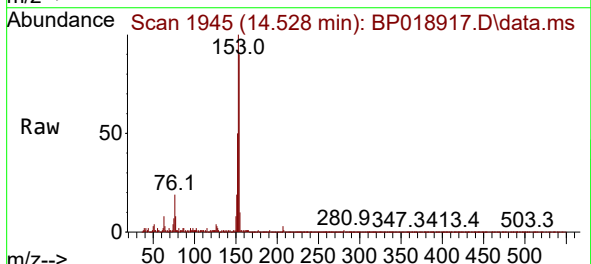
Instrument :  
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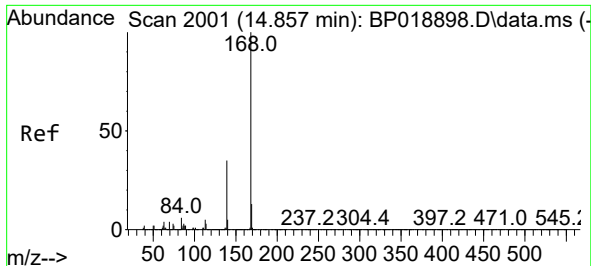
Tgt Ion:152 Resp: 276604  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.9 23.9  
153 13.8 10.6 16.0



#52  
Acenaphthene  
Concen: 4.398 ng/ul  
RT: 14.528 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:153 Resp: 133983  
Ion Ratio Lower Upper  
153 100  
152 49.9 38.1 57.1  
154 89.8 71.7 107.5

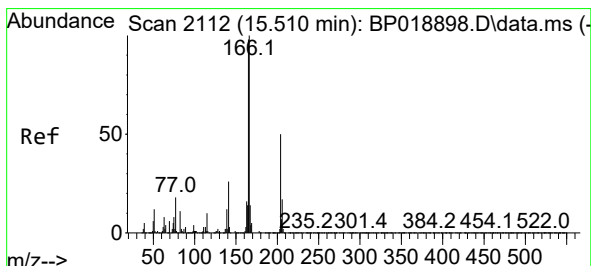
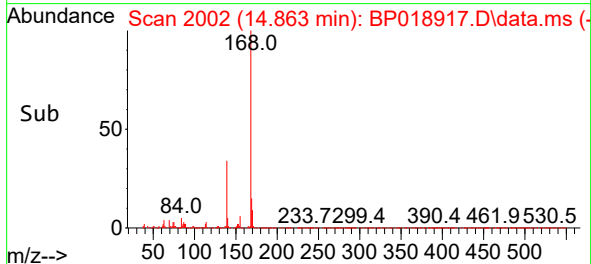
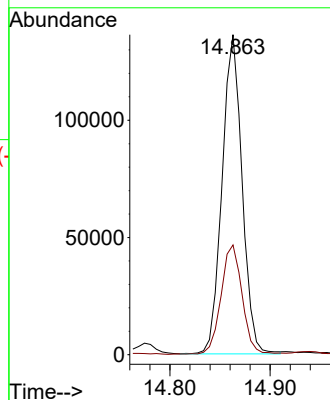
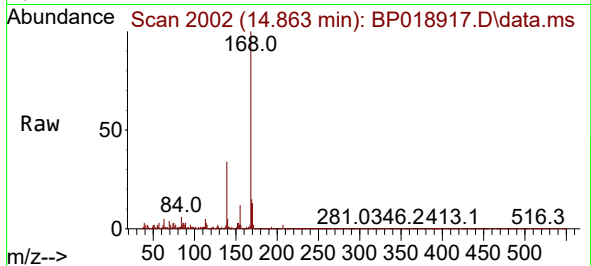




#56  
Dibenzofuran  
Concen: 4.444 ng/ul  
RT: 14.863 min Scan# 2001  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

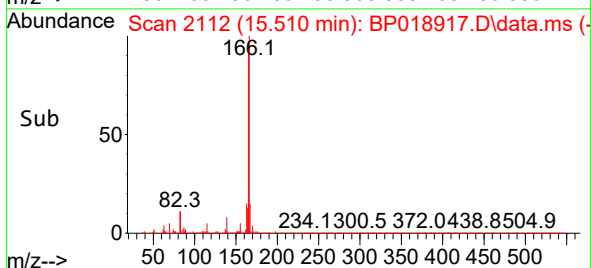
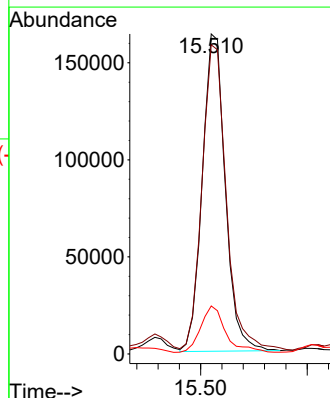
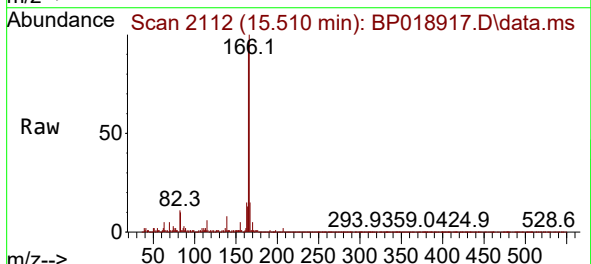
Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

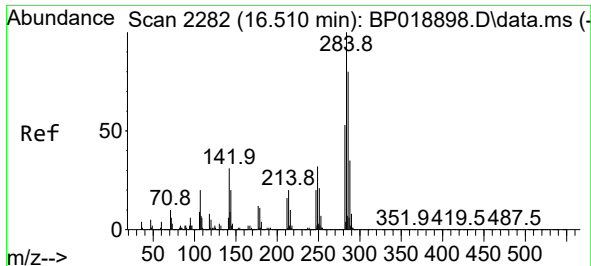
Tgt Ion:168 Resp: 188171  
Ion Ratio Lower Upper  
168 100  
139 34.3 29.1 43.7



#61  
Fluorene  
Concen: 7.327 ng/ul  
RT: 15.510 min Scan# 2112  
Delta R.T. -0.006 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:166 Resp: 245482  
Ion Ratio Lower Upper  
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165 96.6 78.0 117.0  
167 15.0 10.8 16.2

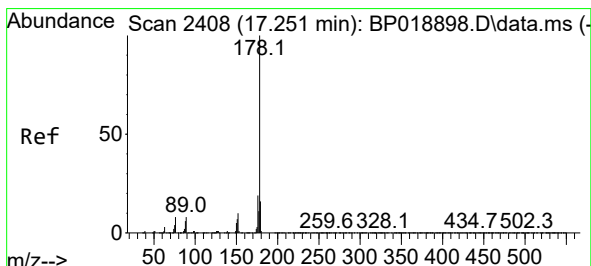
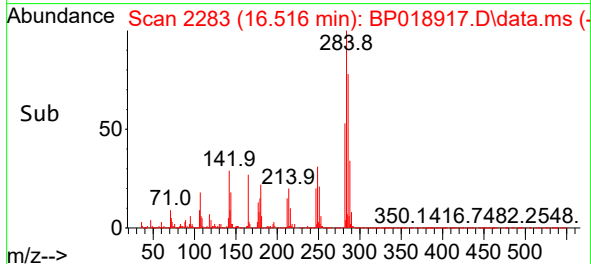
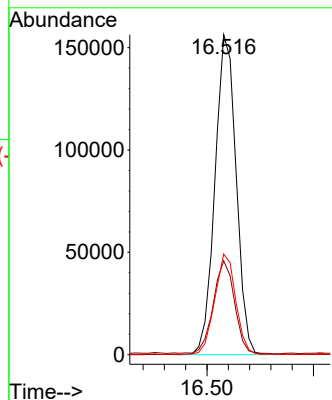
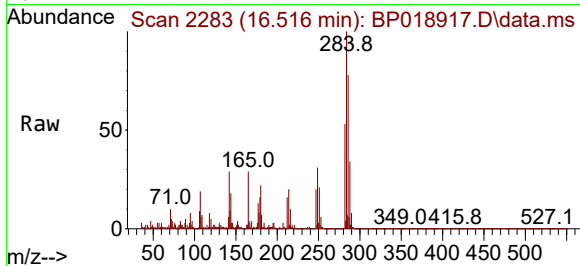




#69  
Hexachlorobenzene  
Concen: 15.315 ng/ul  
RT: 16.516 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

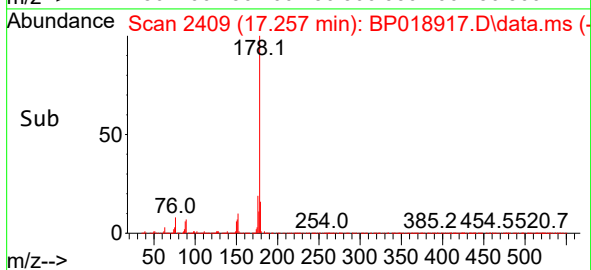
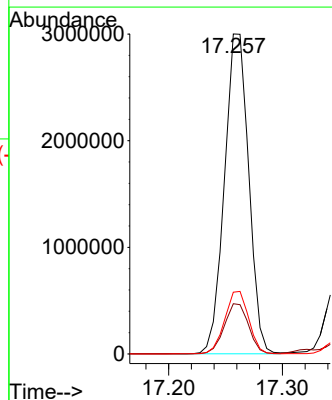
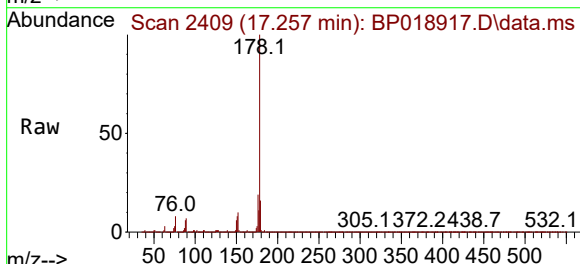
Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

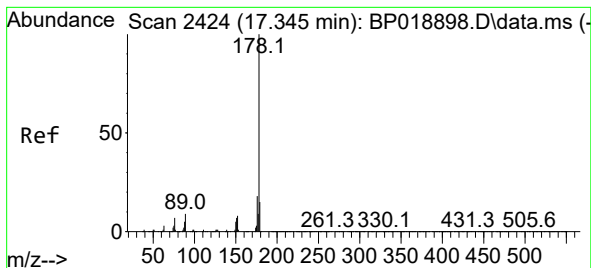
Tgt Ion:284 Resp: 215276  
Ion Ratio Lower Upper  
284 100  
142 29.3 25.8 38.6  
249 31.5 24.9 37.3



#72  
Phenanthrene  
Concen: 73.955 ng/ul  
RT: 17.257 min Scan# 2409  
Delta R.T. -0.000 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:178 Resp: 4454322  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.3 18.5  
176 19.3 15.4 23.2





#74

Anthracene

Concen: 17.975 ng/ul

RT: 17.351 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

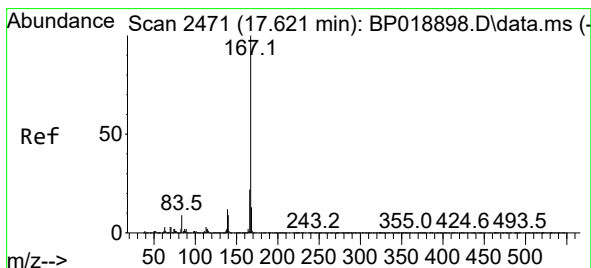
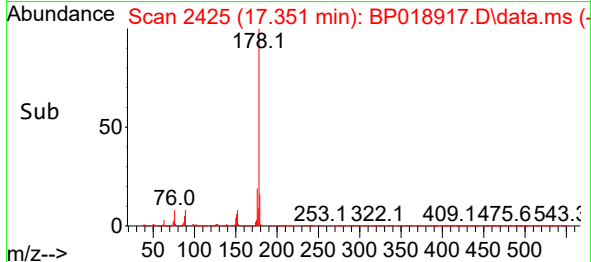
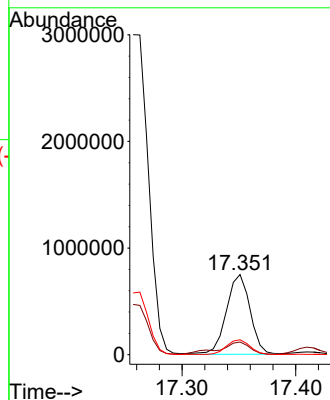
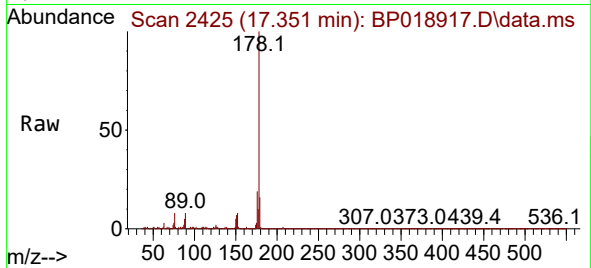
Tgt Ion:178 Resp: 1085200

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 18.6 15.0 22.6



#77

Carbazole

Concen: 8.558 ng/ul

RT: 17.622 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

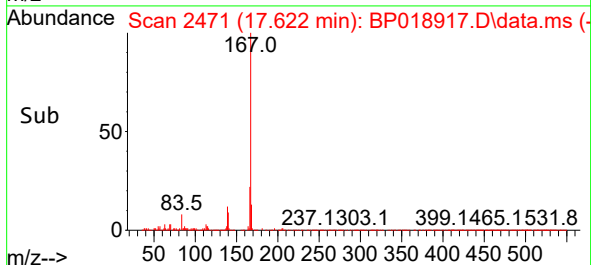
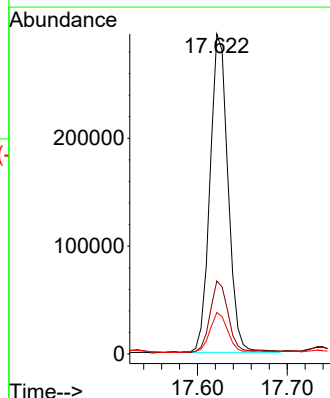
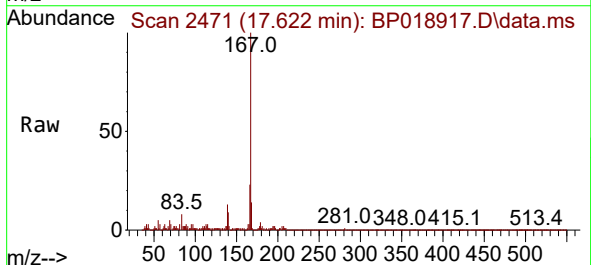
Tgt Ion:167 Resp: 411775

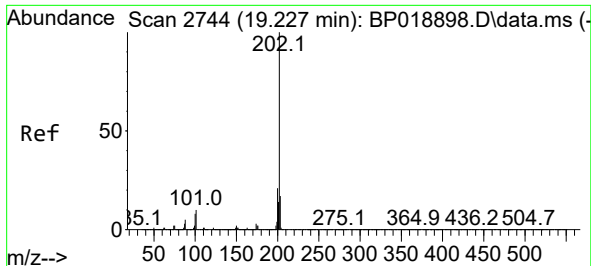
Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

139 12.9 10.2 15.4

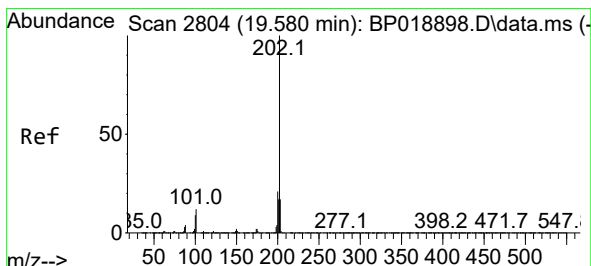
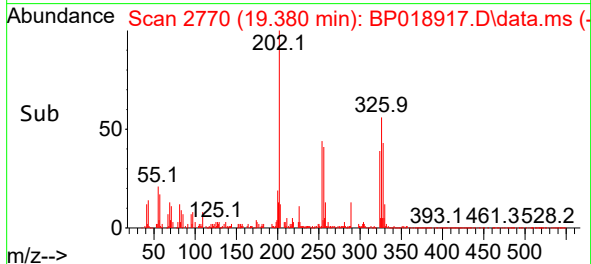
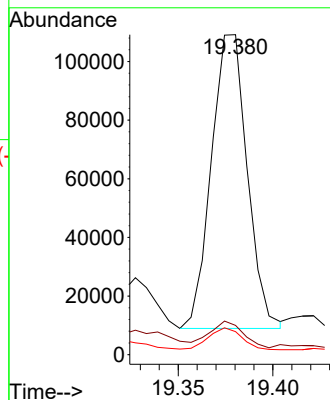
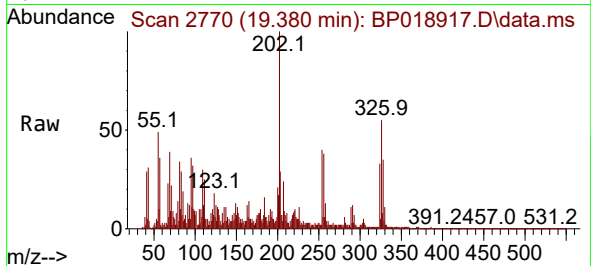




#80  
Fluoranthene  
Concen: 1.427 ng/ul  
RT: 19.380 min Scan# 21  
Delta R.T. 0.153 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

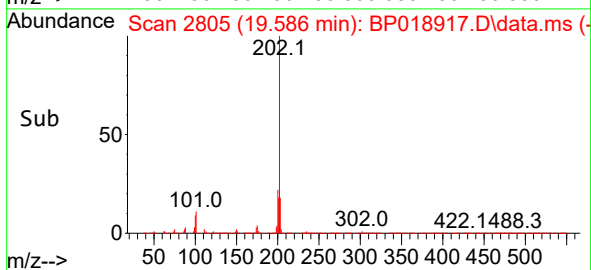
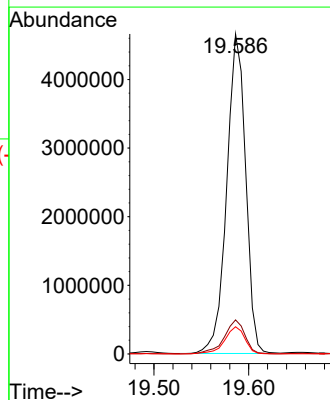
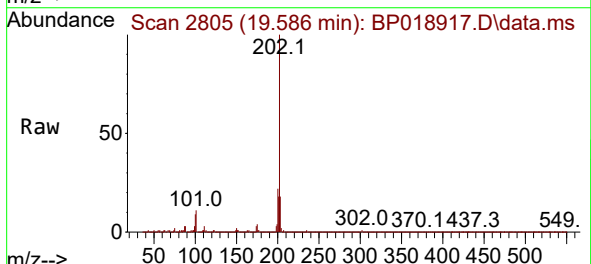
Instrument :  
BNA\_P  
ClientSampleId :  
BGRG0

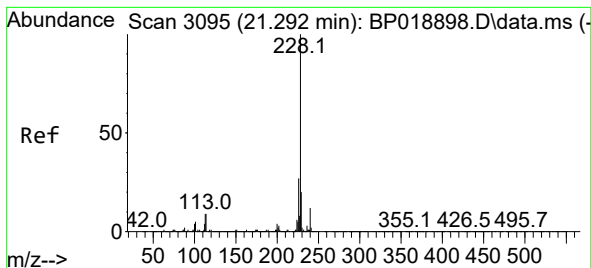
Tgt Ion:202 Resp: 132277  
Ion Ratio Lower Upper  
202 100  
101 9.2 9.1 13.7  
100 7.2 7.1 10.7



#82  
Pyrene  
Concen: 69.326 ng/ul  
RT: 19.586 min Scan# 2805  
Delta R.T. 0.006 min  
Lab File: BP018917.D  
Acq: 18 Dec 2023 21:00

Tgt Ion:202 Resp: 6485060  
Ion Ratio Lower Upper  
202 100  
101 10.6 11.0 16.4#  
100 8.5 9.1 13.7#





#85

Benzo(a)anthracene

Concen: 46.044 ng/ul

RT: 21.298 min Scan# 3095

Delta R.T. 0.012 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

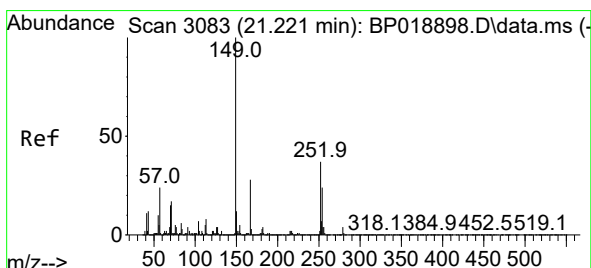
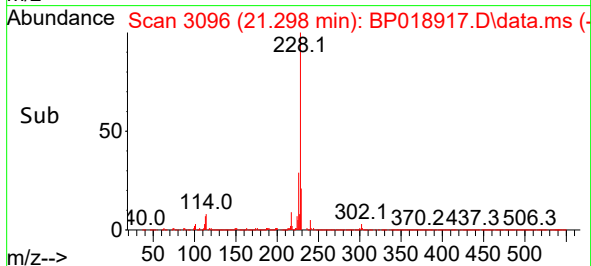
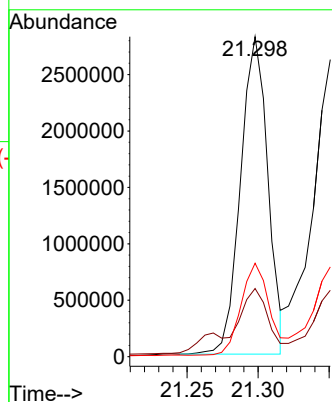
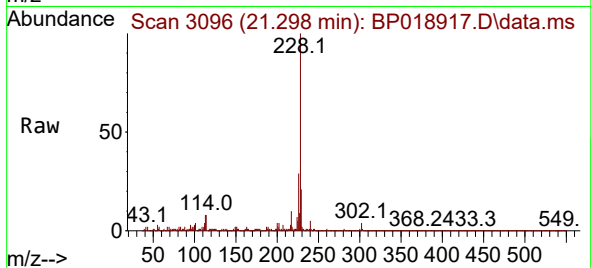
Tgt Ion:228 Resp: 3766363

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

226 29.2 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.068 ng/ul

RT: 21.221 min Scan# 3083

Delta R.T. 0.006 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

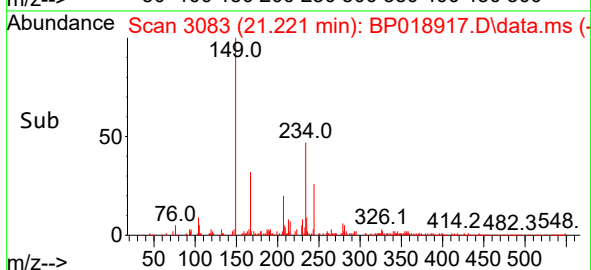
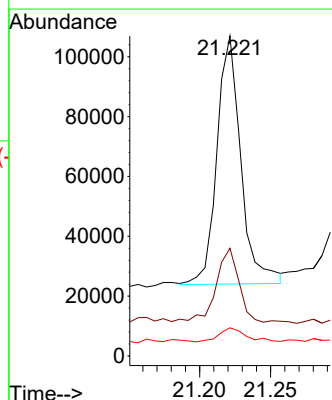
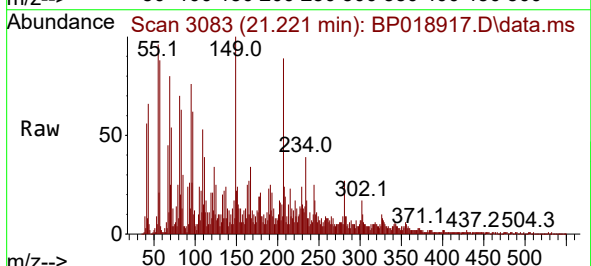
Tgt Ion:149 Resp: 97349

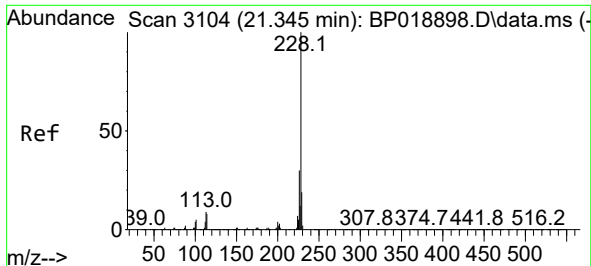
Ion Ratio Lower Upper

149 100

167 33.7 22.2 33.2#

279 8.8 3.3 4.9#





#87

Chrysene

Concen: 50.506 ng/ul

RT: 21.351 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

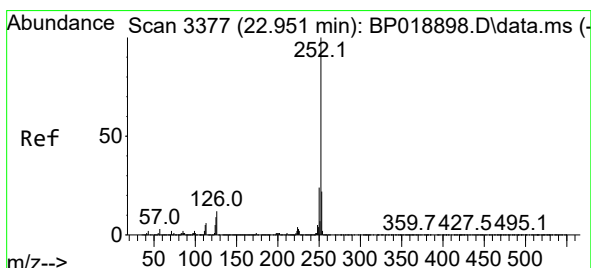
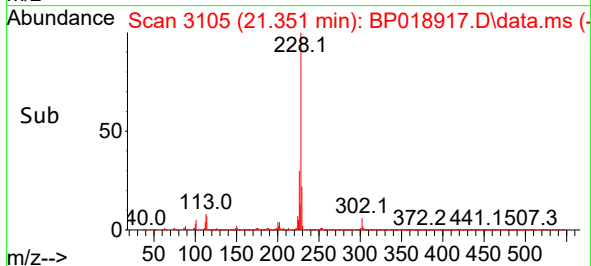
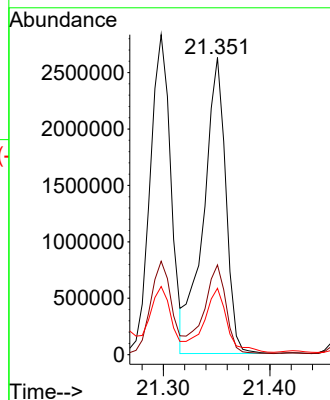
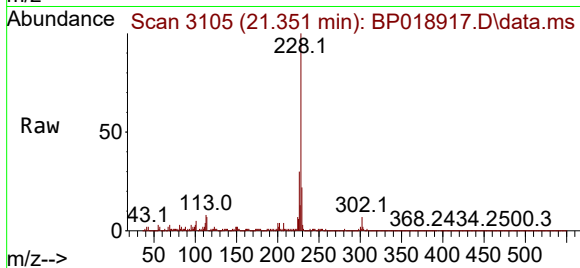
Tgt Ion:228 Resp: 3804459

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 22.3 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 55.563 ng/ul

RT: 22.968 min Scan# 3380

Delta R.T. 0.023 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

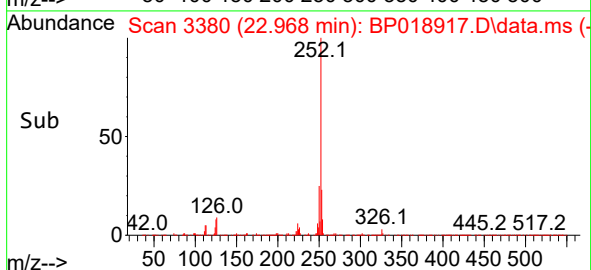
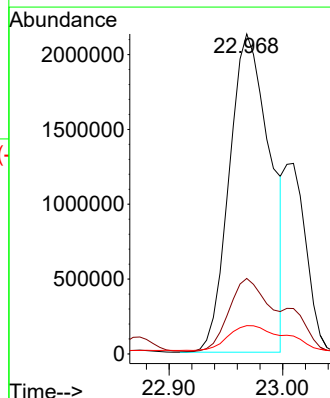
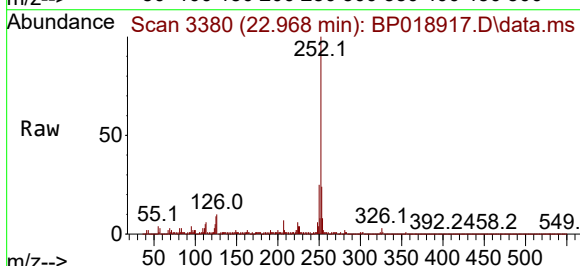
Tgt Ion:252 Resp: 5304150

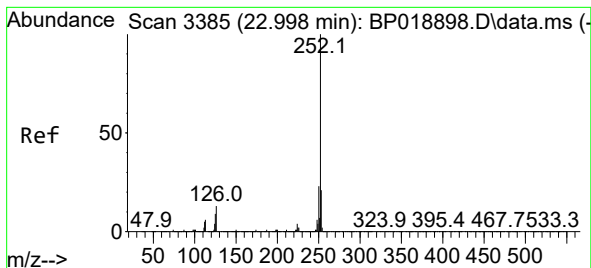
Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 8.9 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 57.425 ng/ul

RT: 22.968 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

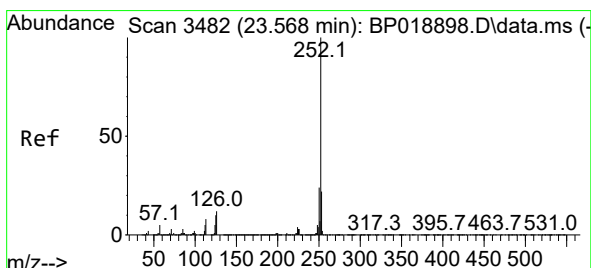
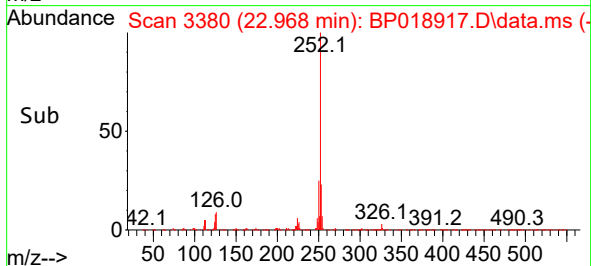
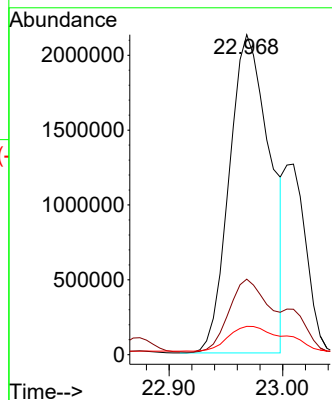
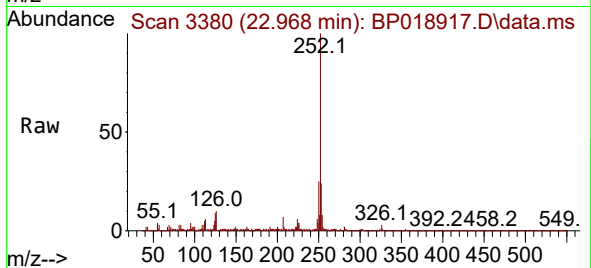
Tgt Ion:252 Resp: 5304150

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 8.9 8.0 12.0



#93

Benzo(a)pyrene

Concen: 26.936 ng/ul

RT: 23.480 min Scan# 3467

Delta R.T. -0.082 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

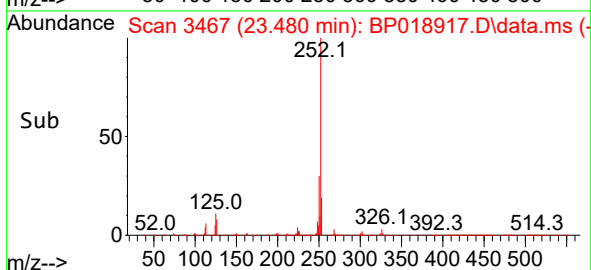
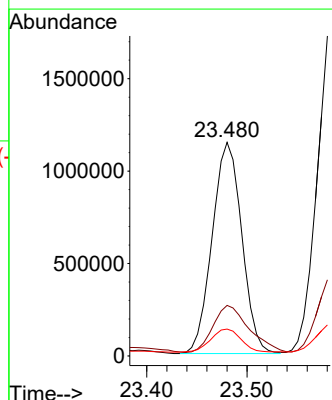
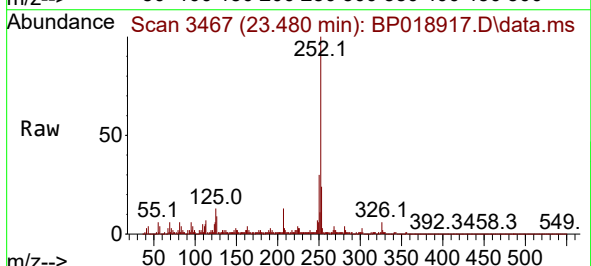
Tgt Ion:252 Resp: 2349566

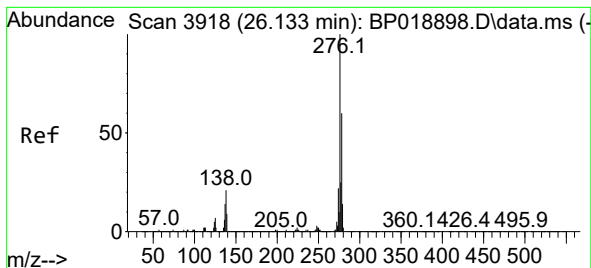
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 12.6 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 26.082 ng/ul

RT: 26.162 min Scan# 3918

Delta R.T. 0.041 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

Instrument :

BNA\_P

ClientSampleId :

BGRG0

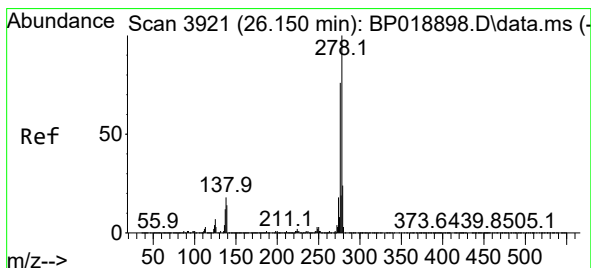
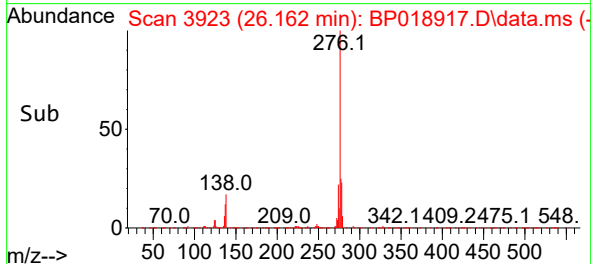
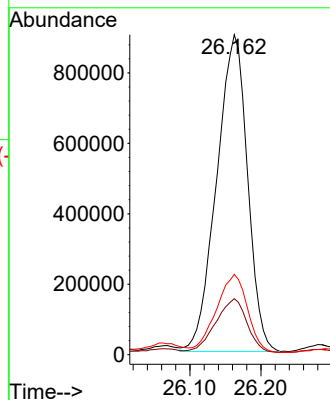
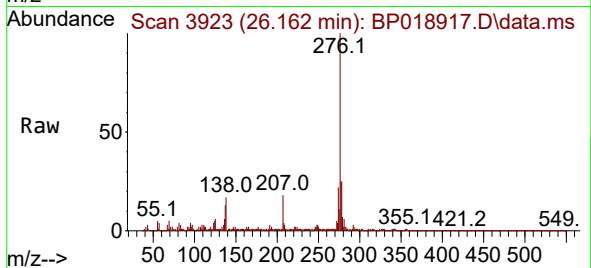
Tgt Ion:276 Resp: 2718233

Ion Ratio Lower Upper

276 100

138 17.5 19.4 29.2#

277 25.1 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 8.583 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. 0.029 min

Lab File: BP018917.D

Acq: 18 Dec 2023 21:00

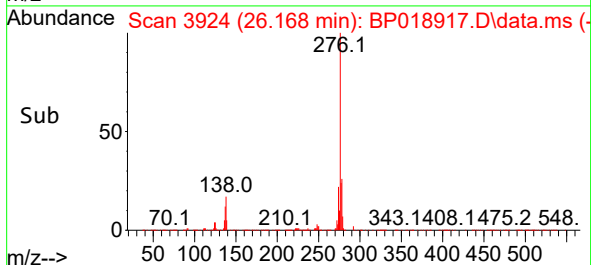
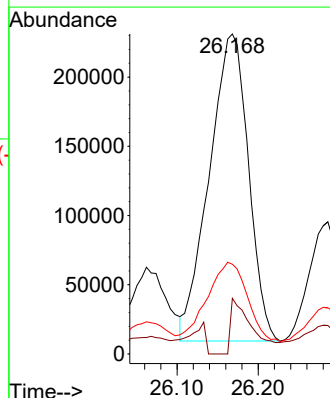
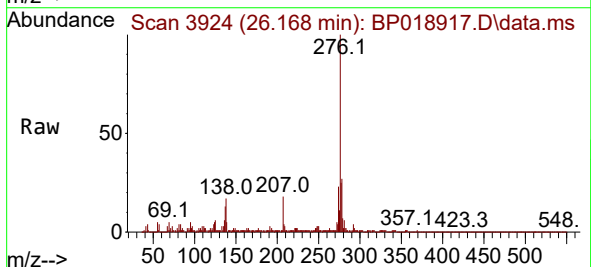
Tgt Ion:278 Resp: 744098

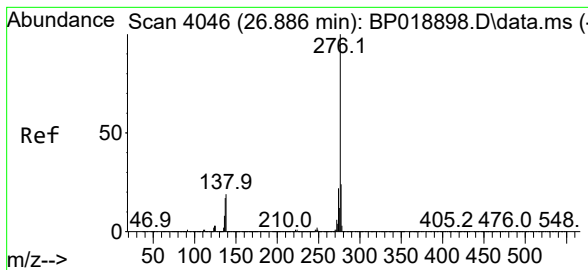
Ion Ratio Lower Upper

278 100

139 17.4 13.0 19.6

279 28.0 18.7 28.1





#96  
 Benzo(g,h,i)perylene  
 Concen: 11.579 ng/ul  
 RT: 26.915 min Scan# 4051  
 Delta R.T. 0.041 min  
 Lab File: BP018917.D  
 Acq: 18 Dec 2023 21:00

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BGRG0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 971130 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 138      | 18.7  | 18.1  | 27.1   |
| 277      | 25.5  | 19.4  | 29.0   |

