

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102922\  
 Data File : BN022374.D  
 Acq On : 27 Oct 2022 23:01  
 Operator : CG/JU  
 Sample : N5119-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 28 00:38:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 28 00:29:18 2022  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.934  | 152  | 177180   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.763 | 136  | 676684   | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.610 | 164  | 354937   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.363 | 188  | 671531   | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.563 | 240  | 575912   | 20.000 | ng/ul | -0.01    |
| 88) Perylene-d12          | 24.027 | 264  | 653058   | 20.000 | ng/ul | 0.00     |

|                               |        |     |        |        |       |       |
|-------------------------------|--------|-----|--------|--------|-------|-------|
| System Monitoring Compounds   |        |     |        |        |       |       |
| 3) 1,4-Dioxane-d8             | 3.246  | 96  | 19400  | 4.150  | ng/uL | 0.00  |
| 4) Pyridine-d5                | 3.699  | 84  | 39657  | 2.727  | ng/ul | 0.02  |
| 7) Phenol-d5                  | 7.093  | 99  | 345890 | 19.969 | ng/ul | 0.00  |
| 9) Bis-(2-Chloroethyl)eth...  | 7.264  | 67  | 219172 | 20.193 | ng/ul | 0.00  |
| 11) 2-Chlorophenol-d4         | 7.458  | 132 | 269160 | 22.412 | ng/ul | 0.00  |
| 15) 4-Methylphenol-d8         | 8.652  | 113 | 250323 | 18.187 | ng/ul | 0.00  |
| 21) Nitrobenzene-d5           | 9.111  | 128 | 127949 | 25.786 | ng/ul | 0.00  |
| 24) 2-Nitrophenol-d4          | 9.840  | 143 | 127161 | 25.004 | ng/ul | 0.00  |
| 28) 2,4-Dichlorophenol-d3     | 10.381 | 165 | 225728 | 23.646 | ng/ul | 0.00  |
| 31) 4-Chloroaniline-d4        | 10.910 | 131 | 220265 | 14.113 | ng/ul | 0.00  |
| 46) Dimethylphthalate-d6      | 14.022 | 166 | 610480 | 24.674 | ng/ul | 0.00  |
| 49) Acenaphthylene-d8         | 14.299 | 160 | 730587 | 26.442 | ng/ul | 0.00  |
| 54) 4-Nitrophenol-d4          | 14.816 | 143 | 74022  | 14.016 | ng/ul | 0.00  |
| 60) Fluorene-d10              | 15.598 | 176 | 534816 | 25.628 | ng/ul | 0.00  |
| 65) 4,6-Dinitro-2-methylph... | 15.728 | 200 | 40626  | 10.604 | ng/ul | -0.01 |
| 73) Anthracene-d10            | 17.463 | 188 | 751832 | 25.763 | ng/ul | 0.00  |
| 81) Pyrene-d10                | 19.763 | 212 | 839406 | 29.275 | ng/ul | 0.00  |
| 92) Benzo(a)pyrene-d12        | 23.869 | 264 | 839824 | 26.222 | ng/ul | 0.00  |

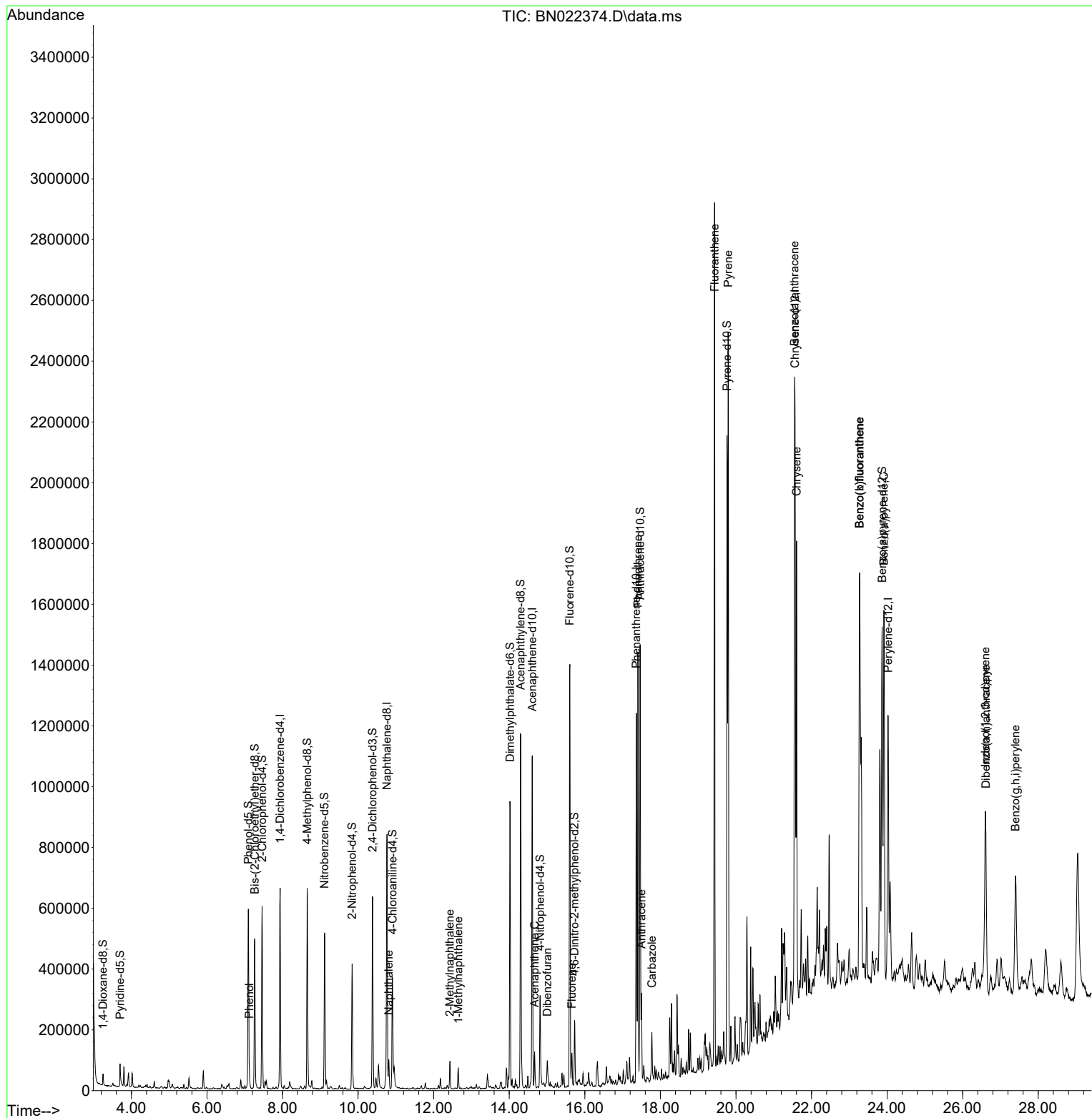
|                            |        |     |         |        |        |     |
|----------------------------|--------|-----|---------|--------|--------|-----|
| Target Compounds           |        |     |         | Qvalue |        |     |
| 8) Phenol                  | 7.117  | 94  | 19378   | 1.054  | ng/ul  | 94  |
| 30) Naphthalene            | 10.810 | 128 | 74430   | 2.053  | ng/ul  | 98  |
| 36) 2-Methylnaphthalene    | 12.428 | 142 | 43598   | 1.742  | ng/ul  | 96  |
| 37) 1-Methylnaphthalene    | 12.652 | 142 | 31900   | 1.273  | ng/ul  | 93  |
| 52) Acenaphthene           | 14.669 | 153 | 42492   | 1.899  | ng/ul  | 97  |
| 56) Dibenzofuran           | 15.010 | 168 | 43296   | 1.418  | ng/ul  | 100 |
| 61) Fluorene               | 15.657 | 166 | 42189   | 1.719  | ng/ul  | 93  |
| 72) Phenanthrene           | 17.404 | 178 | 783317  | 21.624 | ng/ul  | 97  |
| 74) Anthracene             | 17.498 | 178 | 162714  | 4.522  | ng/ul  | 97  |
| 77) Carbazole              | 17.775 | 167 | 90160   | 2.709  | ng/ul  | 98  |
| 80) Fluoranthene           | 19.434 | 202 | 1583913 | 44.006 | ng/ul  | 98  |
| 82) Pyrene                 | 19.792 | 202 | 1363577 | 36.212 | ng/ul  | 100 |
| 85) Benzo(a)anthracene     | 21.551 | 228 | 799629  | 21.729 | ng/ul# | 93  |
| 87) Chrysene               | 21.604 | 228 | 818899  | 23.156 | ng/ul  | 96  |
| 90) Benzo(b)fluoranthene   | 23.275 | 252 | 1272903 | 30.904 | ng/ul  | 100 |
| 91) Benzo(k)fluoranthene   | 23.275 | 252 | 1272903 | 31.280 | ng/ul  | 99  |
| 93) Benzo(a)pyrene         | 23.916 | 252 | 846302  | 22.989 | ng/ul  | 96  |
| 94) Indeno(1,2,3-cd)pyrene | 26.604 | 276 | 601159  | 13.065 | ng/ul  | 94  |
| 95) Dibenzo(a,h)anthracene | 26.616 | 278 | 147382  | 3.580  | ng/ul# | 73  |
| 96) Benzo(g,h,i)perylene   | 27.398 | 276 | 507146  | 12.251 | ng/ul  | 98  |

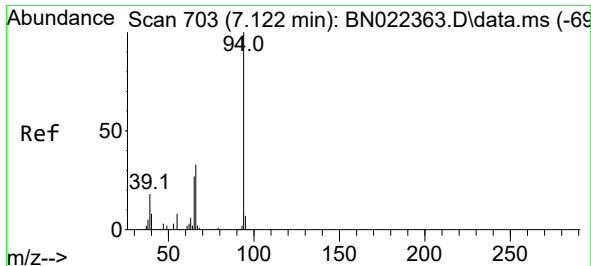
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 28 00:29:18 2022  
Response via : Initial Calibration

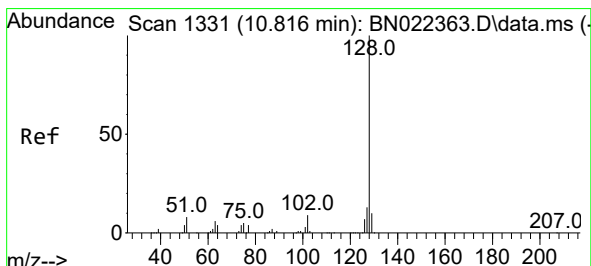
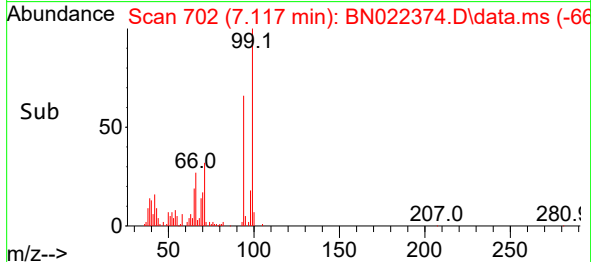
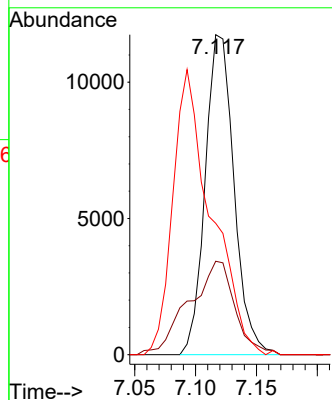
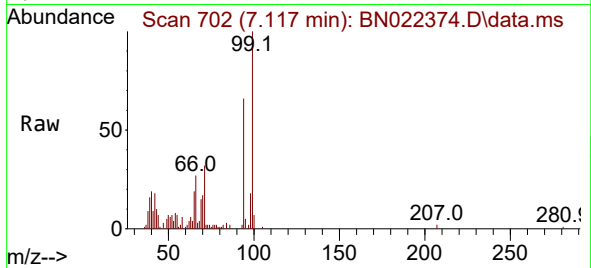




#8  
Phenol  
Concen: 1.054 ng/ul  
RT: 7.117 min Scan# 703  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

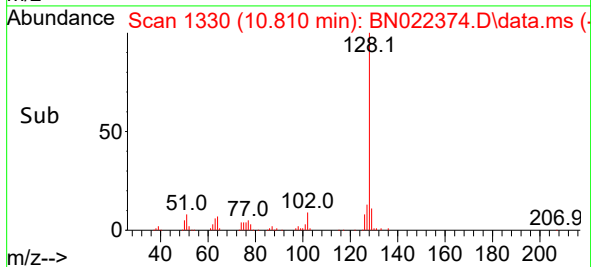
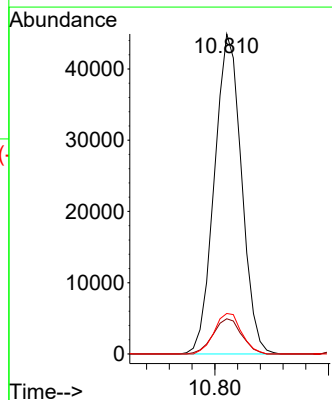
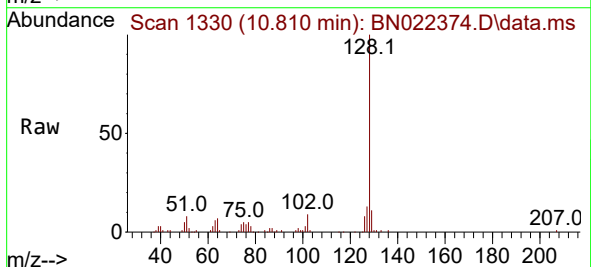
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BNA\_N  
ClientSampleId :

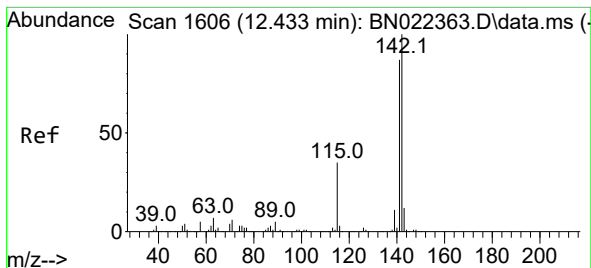
Tgt Ion: 94 Resp: 19378  
Ion Ratio Lower Upper  
94 100  
65 29.2 22.1 33.1  
66 41.0 29.0 43.6



#30  
Naphthalene  
Concen: 2.053 ng/ul  
RT: 10.810 min Scan# 1330  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

Tgt Ion:128 Resp: 74430  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.5 12.7  
127 12.7 10.8 16.2





#36

2-Methylnaphthalene

Concen: 1.742 ng/ul

RT: 12.428 min Scan# 1605

Delta R.T. -0.005 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

Instrument :

BNA\_N

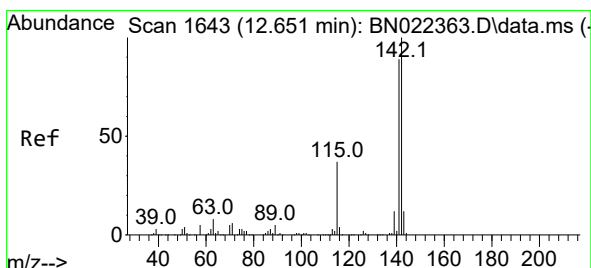
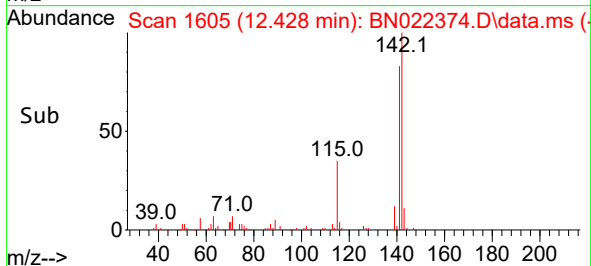
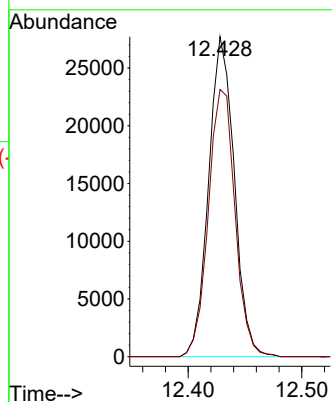
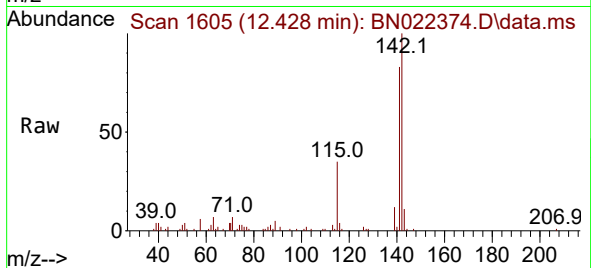
ClientSampleId :

Tgt Ion:142 Resp: 43598

Ion Ratio Lower Upper

142 100

141 83.5 69.7 104.5



#37

1-Methylnaphthalene

Concen: 1.273 ng/ul

RT: 12.652 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

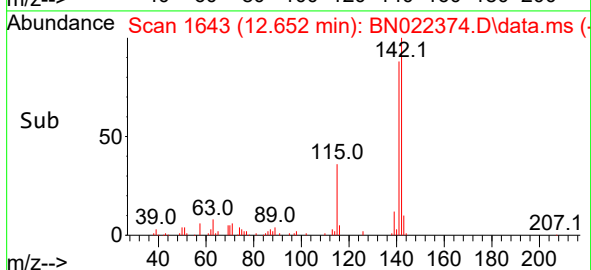
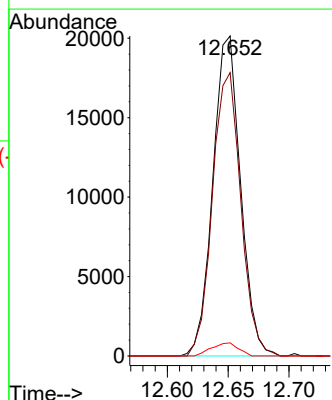
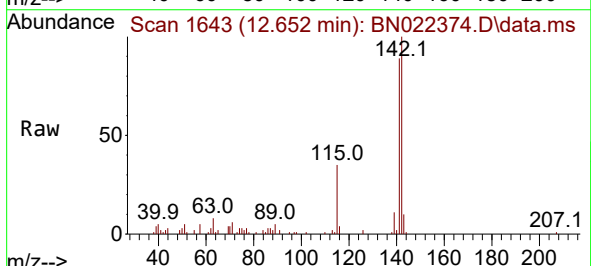
Tgt Ion:142 Resp: 31900

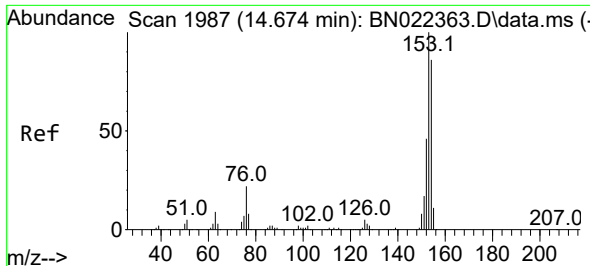
Ion Ratio Lower Upper

142 100

141 88.6 76.7 115.1

116 4.1 3.1 4.7

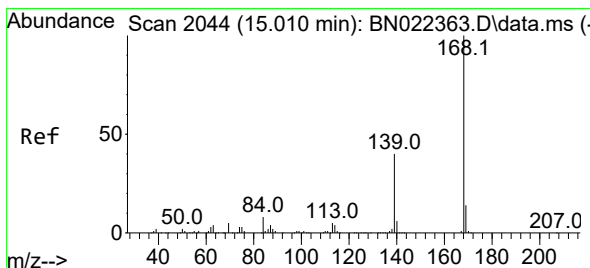
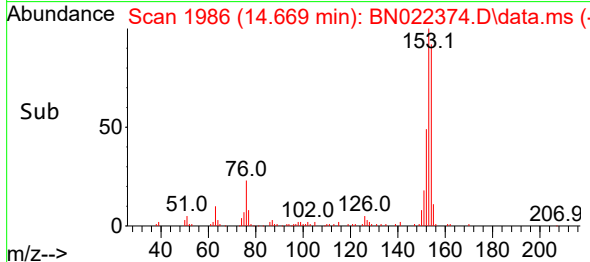
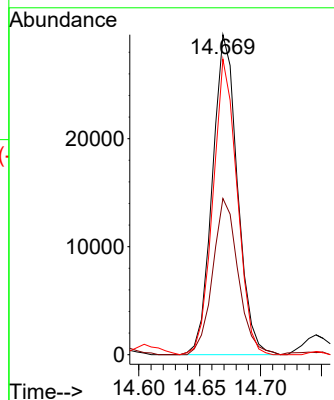
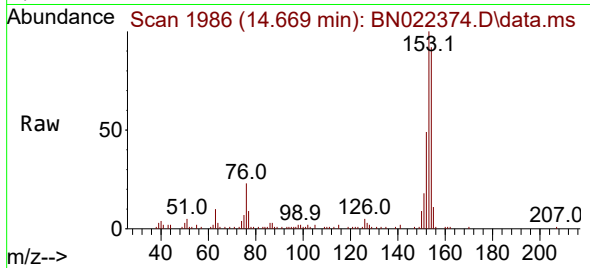




#52  
Acenaphthene  
Concen: 1.899 ng/ul  
RT: 14.669 min Scan# 1987  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

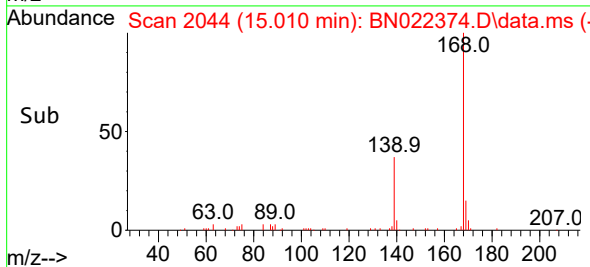
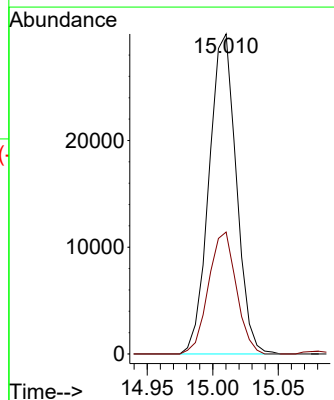
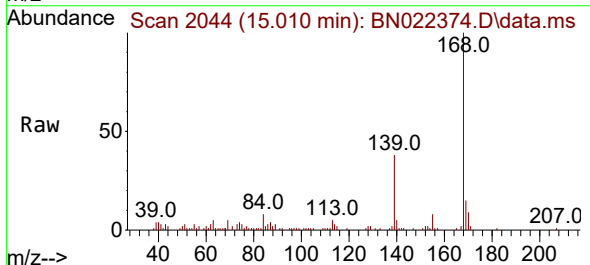
Instrument :  
BNA\_N  
ClientSampleId :

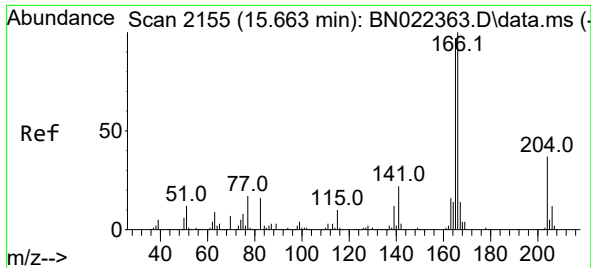
Tgt Ion:153 Resp: 42492  
Ion Ratio Lower Upper  
153 100  
152 48.8 38.0 57.0  
154 92.4 71.1 106.7



#56  
Dibenzofuran  
Concen: 1.418 ng/ul  
RT: 15.010 min Scan# 2044  
Delta R.T. 0.000 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

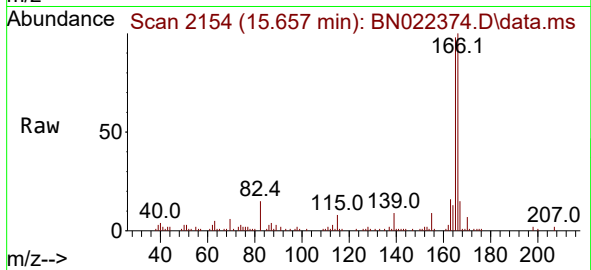
Tgt Ion:168 Resp: 43296  
Ion Ratio Lower Upper  
168 100  
139 38.1 30.6 45.8



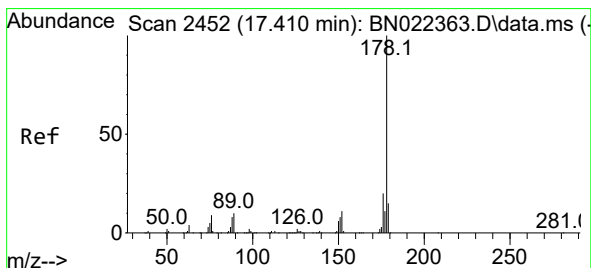
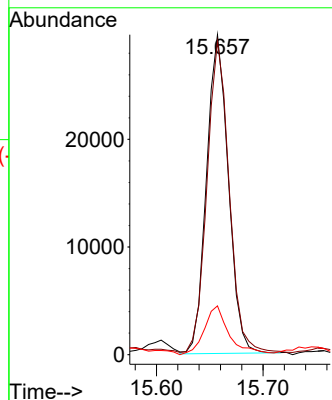
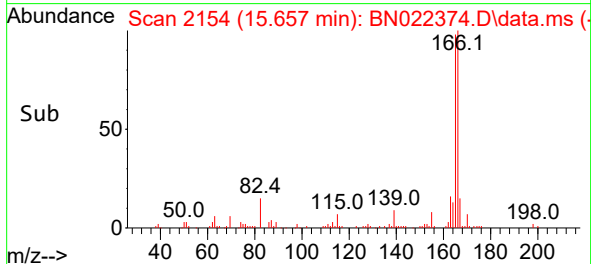


#61  
Fluorene  
Concen: 1.719 ng/ul  
RT: 15.657 min Scan# 2154  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

Instrument :  
BNA\_N  
ClientSampleId :

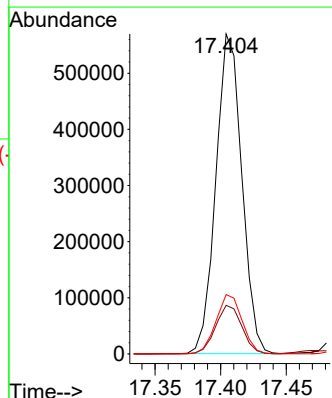
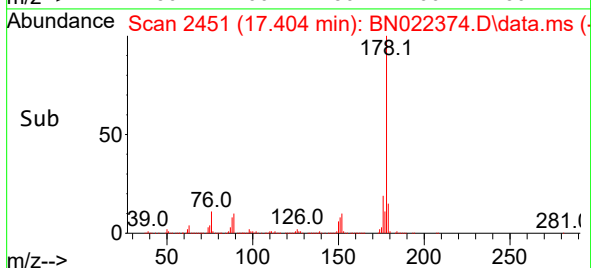
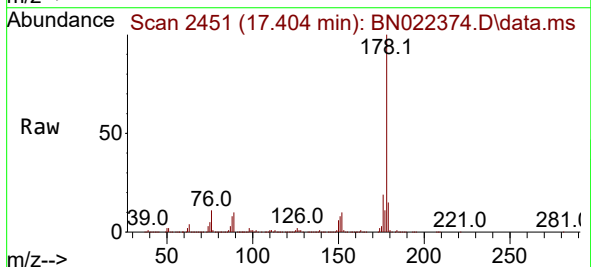


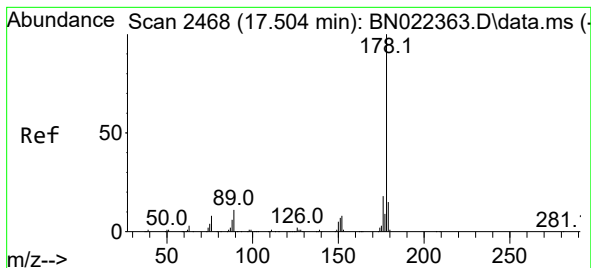
Tgt Ion:166 Resp: 42189  
Ion Ratio Lower Upper  
166 100  
165 98.1 72.8 109.2  
167 15.2 10.6 16.0



#72  
Phenanthrene  
Concen: 21.624 ng/ul  
RT: 17.404 min Scan# 2451  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

Tgt Ion:178 Resp: 783317  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.3 18.5  
176 18.6 16.5 24.7





#74

Anthracene

Concen: 4.522 ng/ul

RT: 17.498 min Scan# 2468

Delta R.T. -0.005 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

Instrument :

BNA\_N

ClientSampleId :

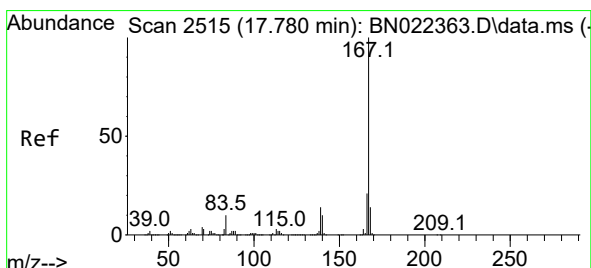
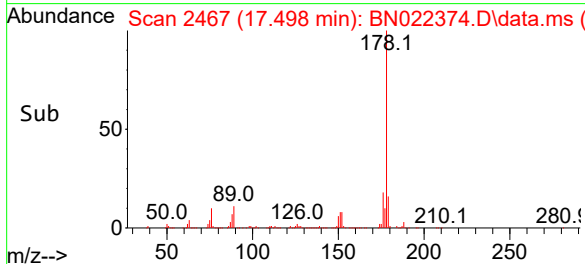
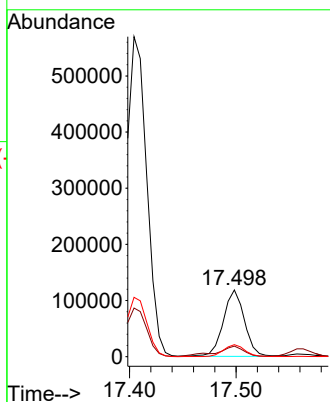
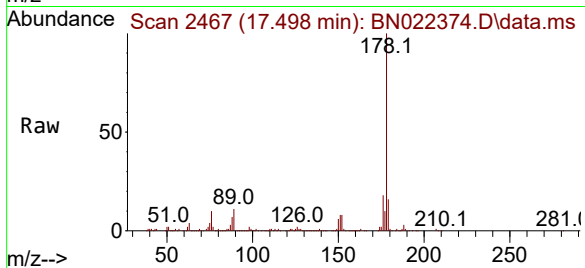
Tgt Ion:178 Resp: 162714

Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.6

176 18.0 15.8 23.6



#77

Carbazole

Concen: 2.709 ng/ul

RT: 17.775 min Scan# 2514

Delta R.T. -0.005 min

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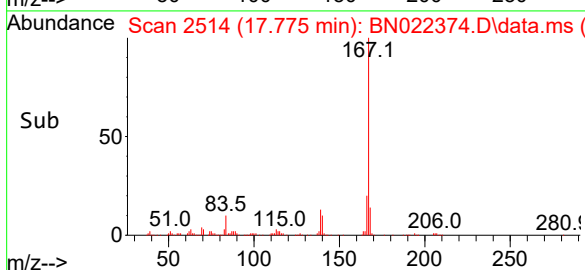
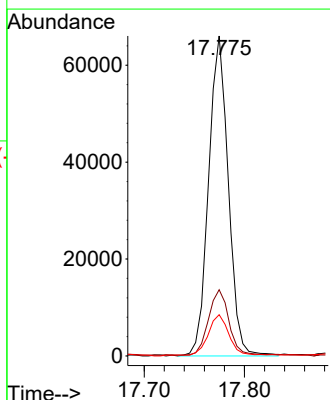
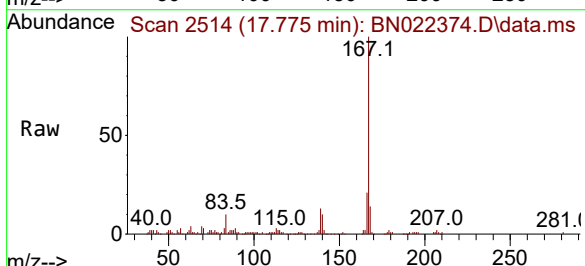
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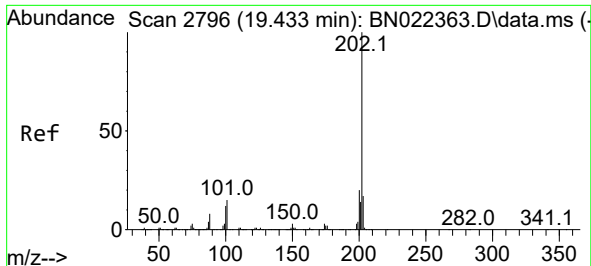
Ion Ratio Lower Upper

167 100

166 20.7 17.3 25.9

139 12.9 10.7 16.1

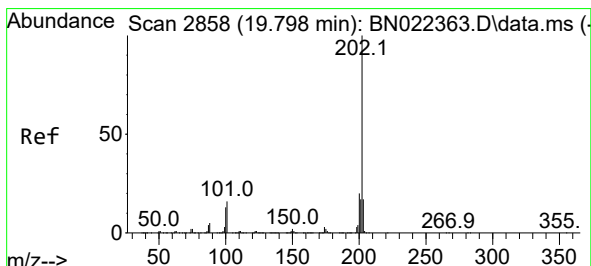
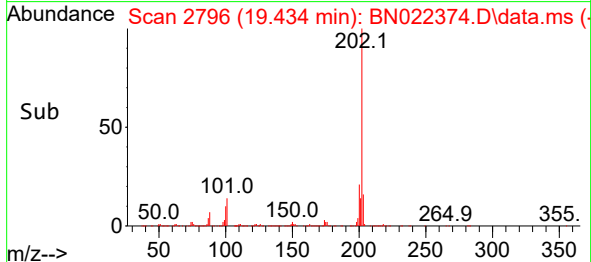
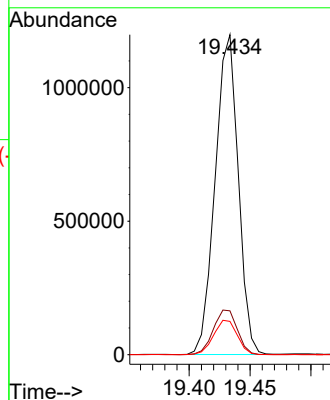
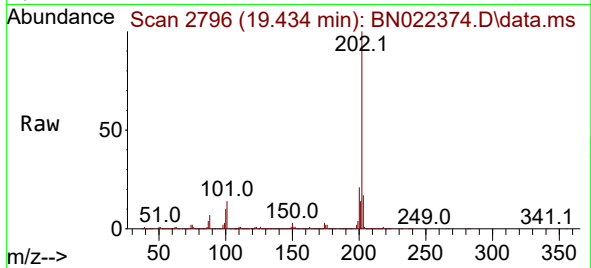




#80  
Fluoranthene  
Concen: 44.006 ng/ul  
RT: 19.434 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

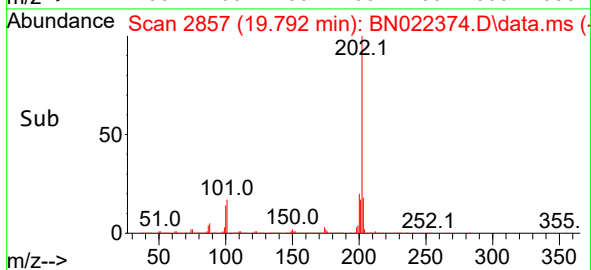
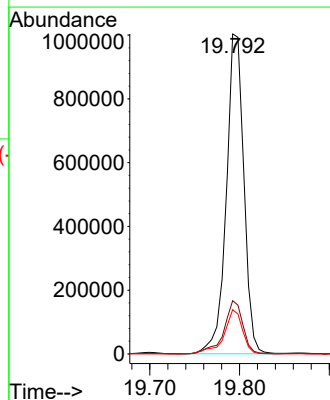
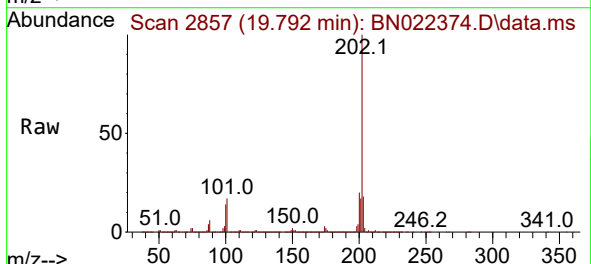
Instrument :  
BNA\_N  
ClientSampleId :

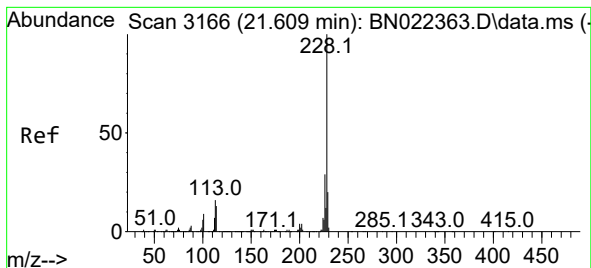
Tgt Ion:202 Resp: 1583913  
Ion Ratio Lower Upper  
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101 13.7 10.3 15.5  
100 10.4 7.8 11.8



#82  
Pyrene  
Concen: 36.212 ng/ul  
RT: 19.792 min Scan# 2857  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
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Tgt Ion:202 Resp: 1363577  
Ion Ratio Lower Upper  
202 100  
101 16.7 13.4 20.0  
100 13.9 10.9 16.3





#85

Benzo(a)anthracene

Concen: 21.729 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. -0.005 min

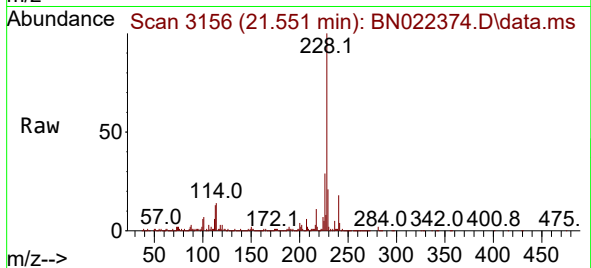
Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

Instrument :

BNA\_N

ClientSampleId :



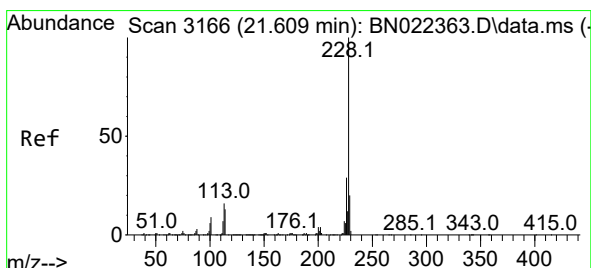
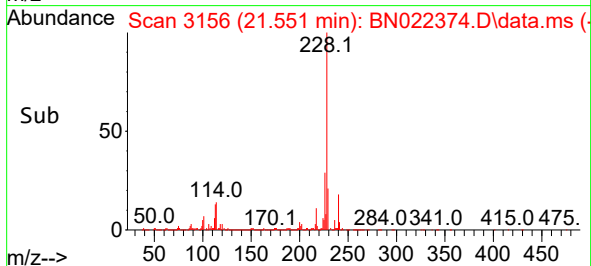
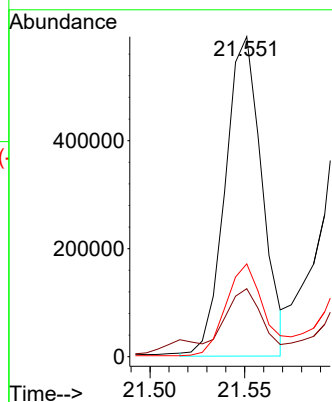
Tgt Ion:228 Resp: 799629

Ion Ratio Lower Upper

228 100

229 21.2 13.5 20.3#

226 29.0 21.0 31.6



#87

Chrysene

Concen: 23.156 ng/ul

RT: 21.604 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

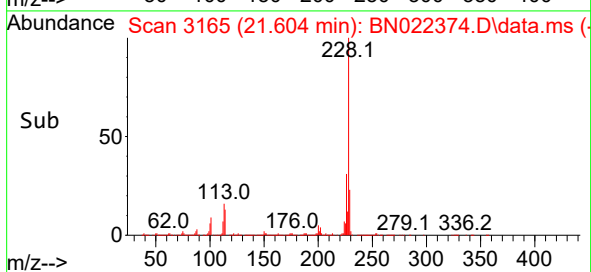
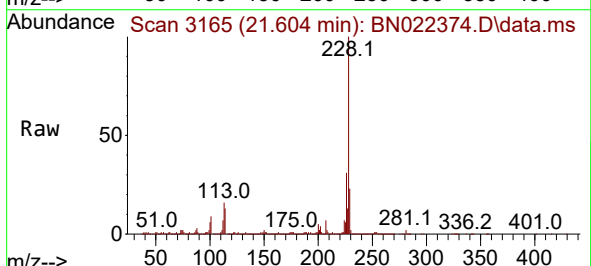
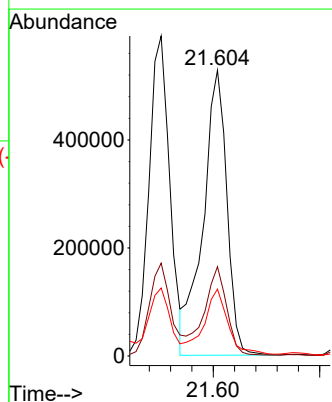
Tgt Ion:228 Resp: 818899

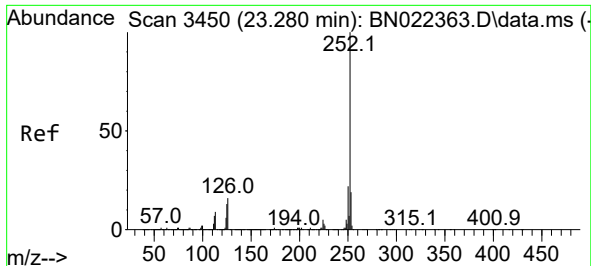
Ion Ratio Lower Upper

228 100

226 31.3 23.8 35.8

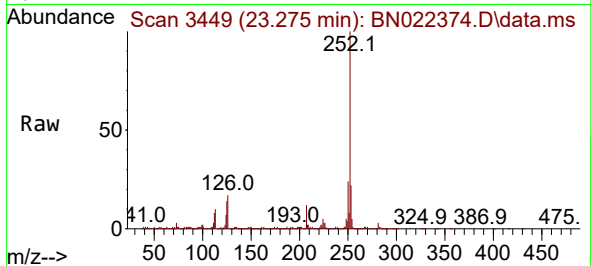
229 23.4 16.5 24.7



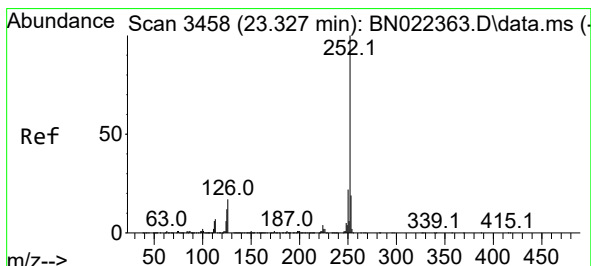
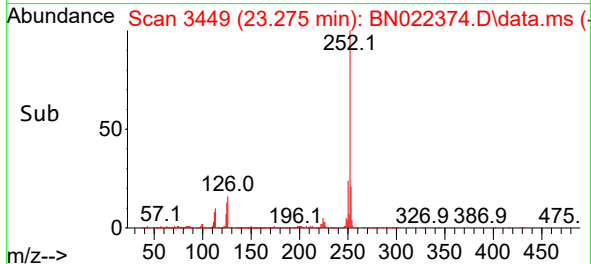
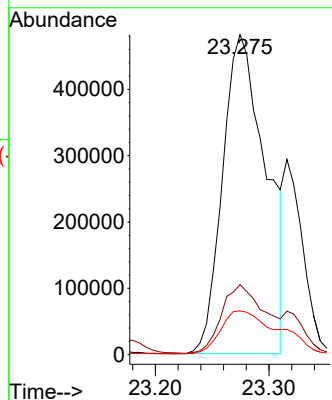


#90  
Benzo(b)fluoranthene  
Concen: 30.904 ng/ul  
RT: 23.275 min Scan# 3449  
Delta R.T. -0.005 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

Instrument :  
BNA\_N  
ClientSampleId :

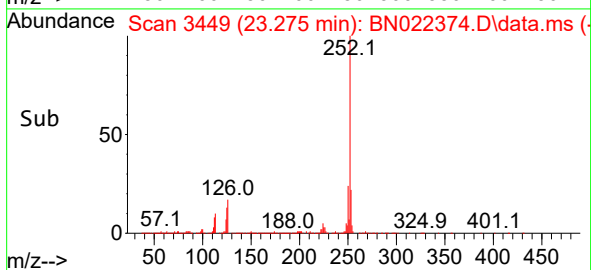
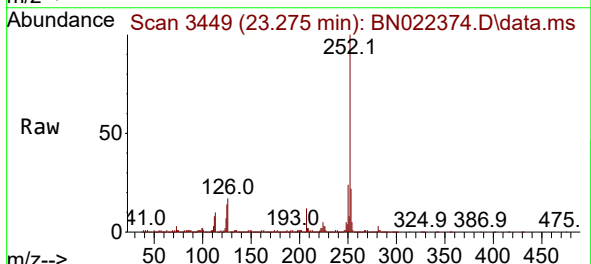
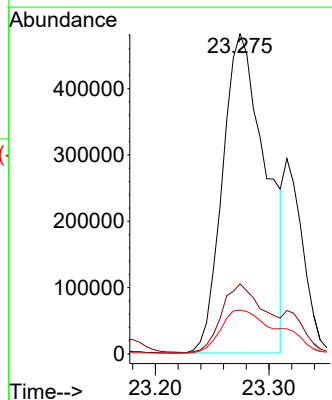


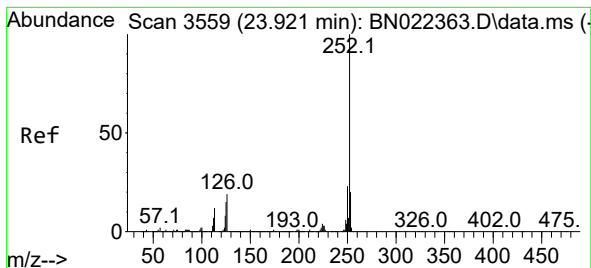
Tgt Ion:252 Resp: 1272903  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.6 26.4  
125 13.7 10.7 16.1



#91  
Benzo(k)fluoranthene  
Concen: 31.280 ng/ul  
RT: 23.275 min Scan# 3449  
Delta R.T. -0.052 min  
Lab File: BN022374.D  
Acq: 27 Oct 2022 23:01

Tgt Ion:252 Resp: 1272903  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 13.7 10.6 15.8





#93

Benzo(a)pyrene

Concen: 22.989 ng/ul

RT: 23.916 min Scan# 3

Delta R.T. -0.005 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

Instrument :

BNA\_N

ClientSampleId :

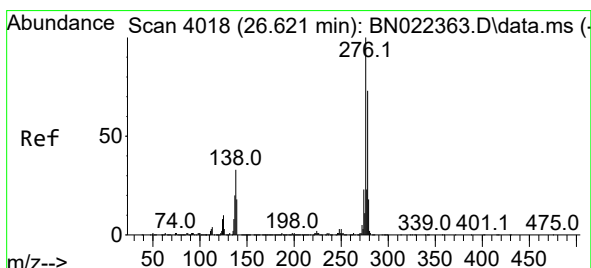
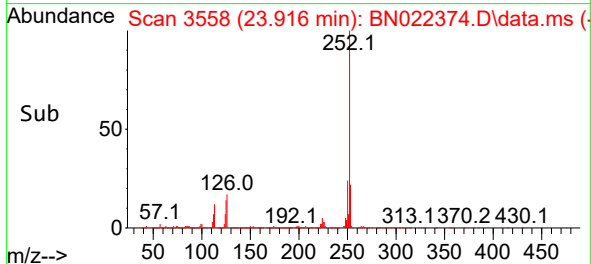
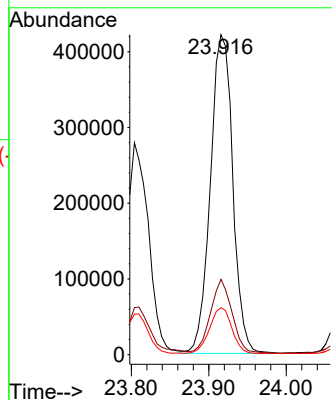
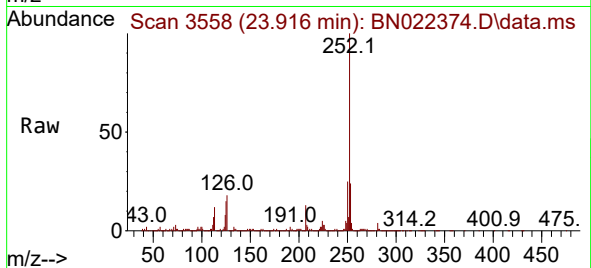
Tgt Ion:252 Resp: 846302

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 14.7 10.8 16.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.065 ng/ul

RT: 26.604 min Scan# 4015

Delta R.T. -0.017 min

Lab File: BN022374.D

Acq: 27 Oct 2022 23:01

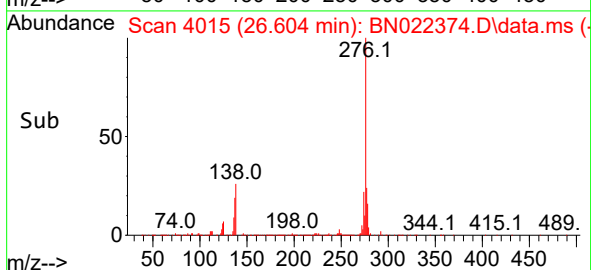
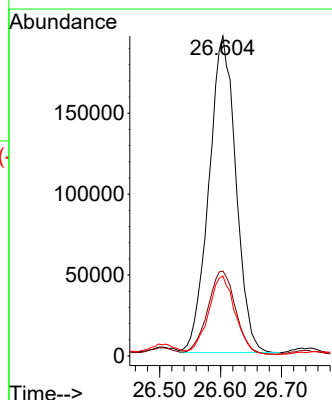
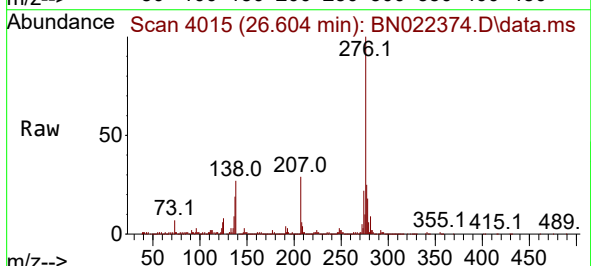
Tgt Ion:276 Resp: 601159

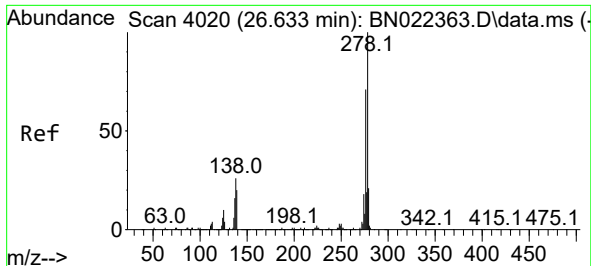
Ion Ratio Lower Upper

276 100

138 26.6 24.6 36.8

277 25.0 18.4 27.6

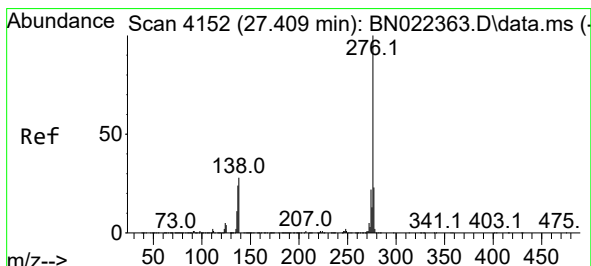
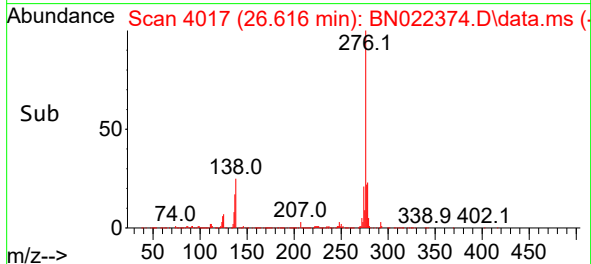
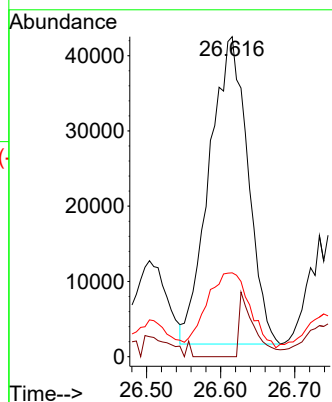
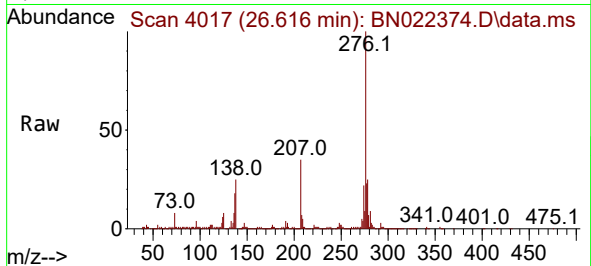




#95  
 Dibenzo(a,h)anthracene  
 Concen: 3.580 ng/ul  
 RT: 26.616 min Scan# 40  
 Delta R.T. -0.017 min  
 Lab File: BN022374.D  
 Acq: 27 Oct 2022 23:01

Instrument :  
 BNA\_N  
 ClientSampleId :

Tgt Ion:278 Resp: 147382  
 Ion Ratio Lower Upper  
 278 100  
 139 0.0 15.7 23.5#  
 279 26.2 16.5 24.7#



#96  
 Benzo(g,h,i)perylene  
 Concen: 12.251 ng/ul  
 RT: 27.398 min Scan# 4150  
 Delta R.T. -0.011 min  
 Lab File: BN022374.D  
 Acq: 27 Oct 2022 23:01

Tgt Ion:276 Resp: 507146  
 Ion Ratio Lower Upper  
 276 100  
 138 26.7 21.2 31.8  
 277 23.9 17.9 26.9

