

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\  
 Data File : BNCCC056.D  
 Acq On : 07 Oct 2019 19:27  
 Operator : JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 23:21:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 2092     | 0.40 | ng    | -0.03    |
| 7) Naphthalene-d8         | 10.43 | 136  | 8660     | 0.40 | ng    | -0.04    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 5437     | 0.40 | ng    | -0.03    |
| 19) Phenanthrene-d10      | 17.05 | 188  | 11693    | 0.40 | ng    | -0.03    |
| 27) Chrysene-d12          | 21.24 | 240  | 18166    | 0.40 | ng    | -0.03    |
| 34) Perylene-d12          | 23.45 | 264  | 17963    | 0.40 | ng    | -0.04    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.29  | 112 | 2608  | 0.36 | ng | -0.02 |
| 5) Phenol-d6                | 6.86  | 99  | 3347  | 0.37 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 2893  | 0.38 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.03 | 152 | 6053  | 0.41 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.79 | 330 | 1121  | 0.38 | ng | -0.03 |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 8298  | 0.37 | ng | -0.03 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 16801 | 0.43 | ng | -0.03 |
| 29) Terphenyl-d14           | 19.69 | 244 | 15565 | 0.35 | ng | -0.03 |

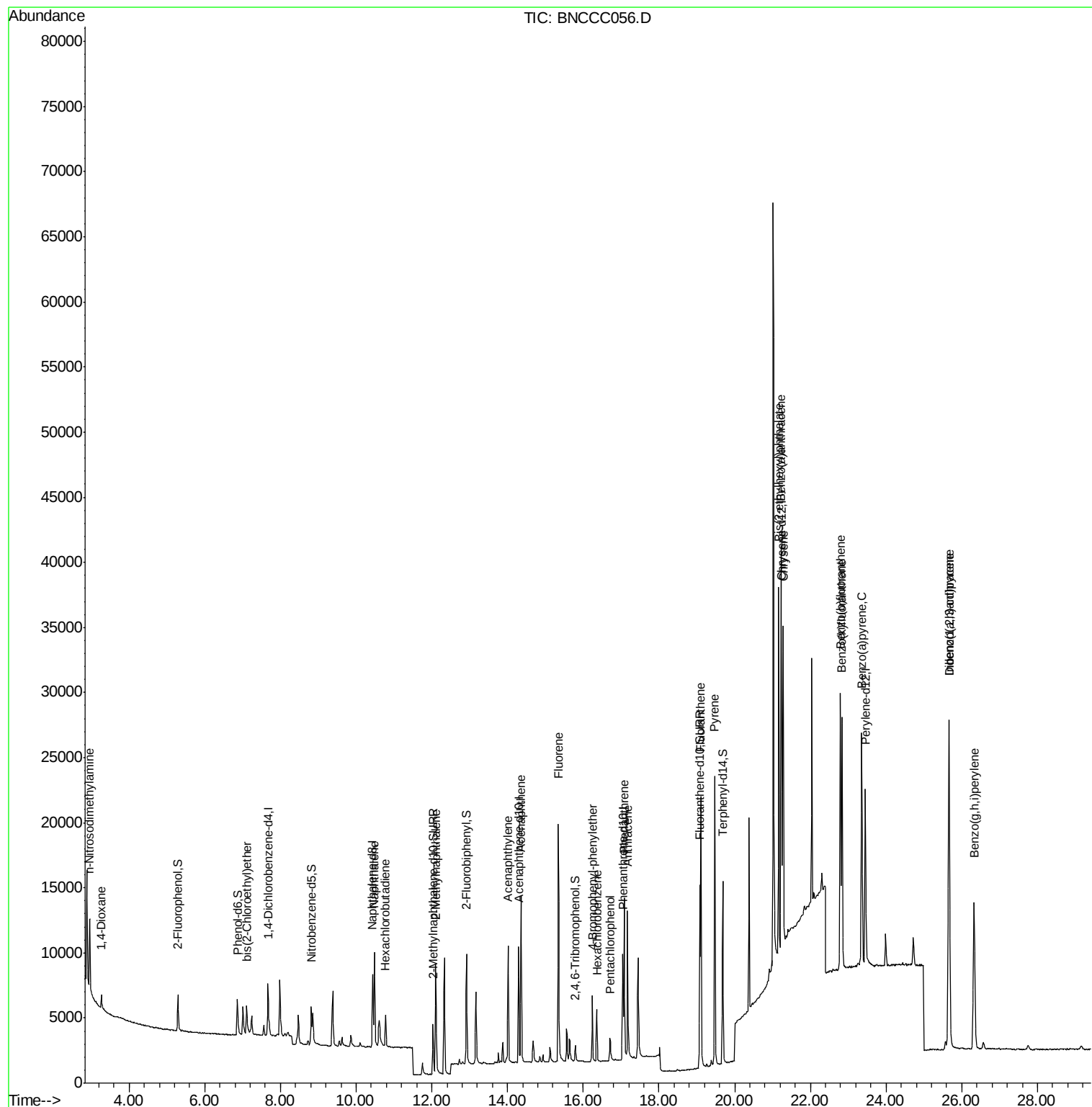
#### Target Compounds

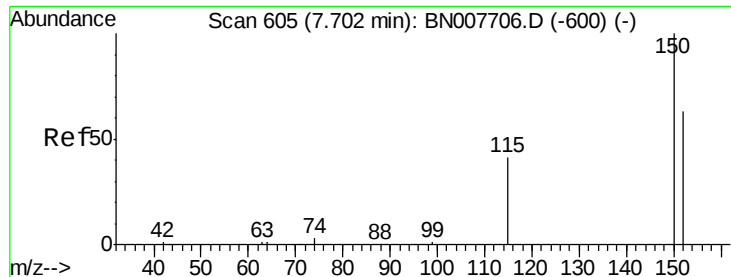
|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 850   | 0.365 | ng | # 32   |
| 3) n-Nitrosodimethylamine      | 2.96  | 42  | 792   | 0.742 | ng | 92     |
| 6) bis(2-Chloroethyl)ether     | 7.11  | 93  | 2489  | 0.420 | ng | 93     |
| 9) Naphthalene                 | 10.48 | 128 | 10013 | 0.412 | ng | 97     |
| 10) Hexachlorobutadiene        | 10.77 | 225 | 2289  | 0.447 | ng | # 100  |
| 12) 2-Methylnaphthalene        | 12.10 | 142 | 6921  | 0.421 | ng | 98     |
| 16) Acenaphthylene             | 14.01 | 152 | 10905 | 0.378 | ng | 100    |
| 17) Acenaphthene               | 14.35 | 154 | 6807  | 0.366 | ng | 97     |
| 18) Fluorene                   | 15.35 | 166 | 8823  | 0.370 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.24 | 248 | 2712  | 0.382 | ng | # 85   |
| 21) Hexachlorobenzene          | 16.37 | 284 | 3309  | 0.426 | ng | 98     |
| 22) Pentachlorophenol          | 16.71 | 266 | 1299  | 0.454 | ng | 97     |
| 23) Phenanthrene               | 17.09 | 178 | 14574 | 0.400 | ng | 99     |
| 24) Anthracene                 | 17.17 | 178 | 13561 | 0.412 | ng | 99     |
| 26) Fluoranthene               | 19.11 | 202 | 19812 | 0.437 | ng | 99     |
| 28) Pyrene                     | 19.47 | 202 | 20930 | 0.338 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 22825 | 0.341 | ng | 98     |
| 31) Chrysene                   | 21.28 | 228 | 24101 | 0.370 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 22354 | 0.650 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.66 | 276 | 29025 | 0.356 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 22.80 | 252 | 26017 | 0.417 | ng | # 80   |
| 36) Benzo(k)fluoranthene       | 22.84 | 252 | 24624 | 0.399 | ng | # 87   |
| 37) Benzo(a)pyrene             | 23.36 | 252 | 22781 | 0.389 | ng | # 68   |
| 38) Dibenzo(a,h)anthracene     | 25.67 | 278 | 23658 | 0.395 | ng | # 90   |
| 39) Benzo(g,h,i)perylene       | 26.33 | 276 | 24020 | 0.405 | ng | # 93   |

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

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Quant Time: Oct 07 23:21:32 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 03 18:39:49 2019  
Response via : Initial Calibration

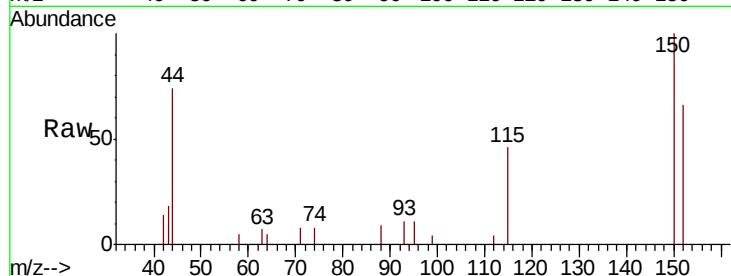




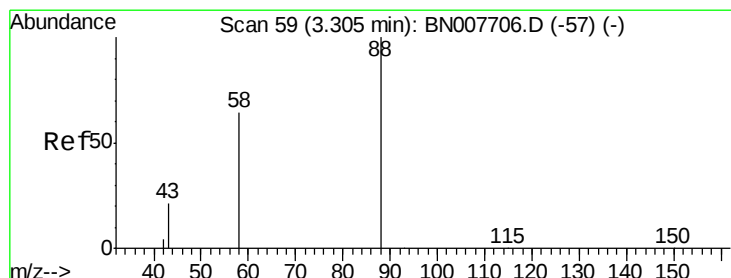
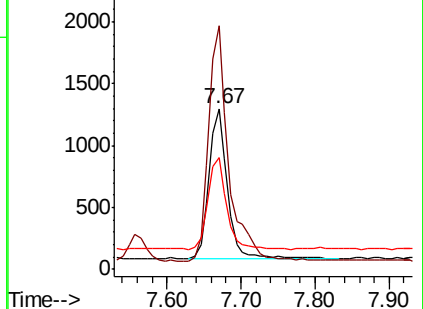
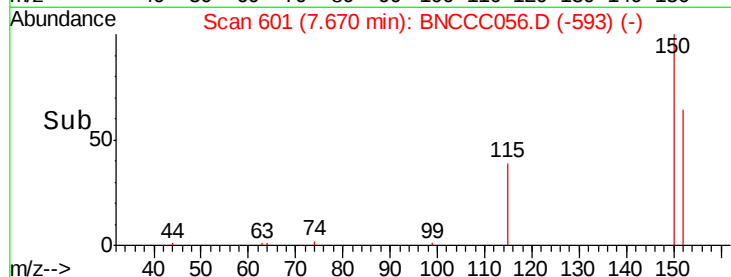
#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.67 min Scan# 601  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

Tot Ion:152 Resp: 2092  
Ion Ratio Lower Upper  
152 100  
150 151.3 125.6 188.4  
115 69.9 53.3 79.9



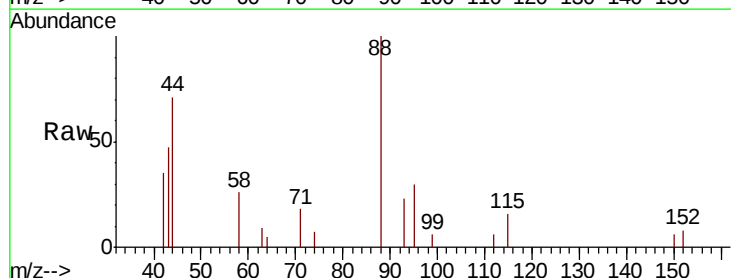
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



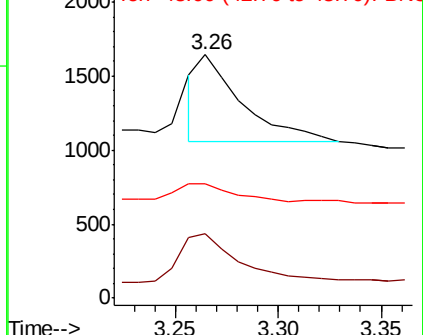
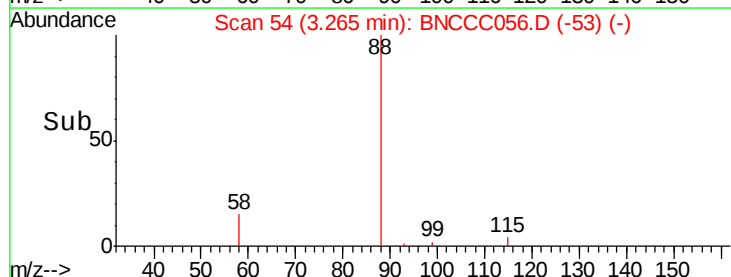
#2

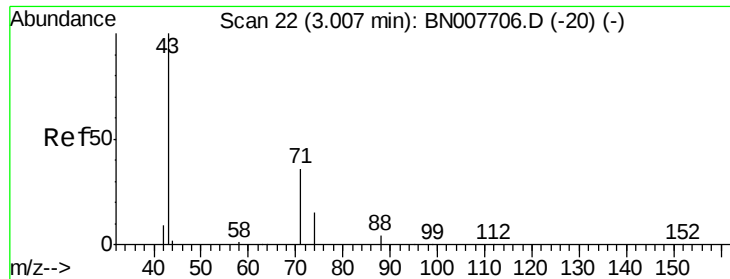
1,4-Dioxane  
Concen: 0.365 ng  
RT: 3.26 min Scan# 54  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

Tgt Ion: 88 Resp: 850  
Ion Ratio Lower Upper  
88 100  
58 0.0 44.6 66.8#  
43 0.0 14.4 21.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC

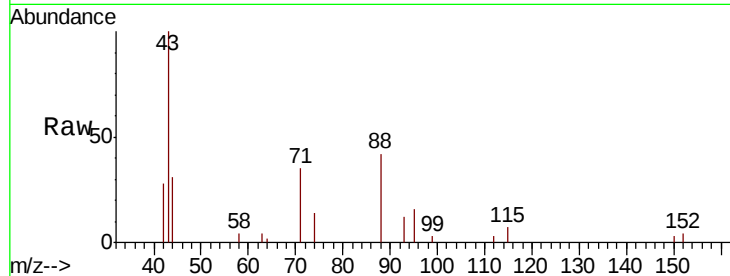




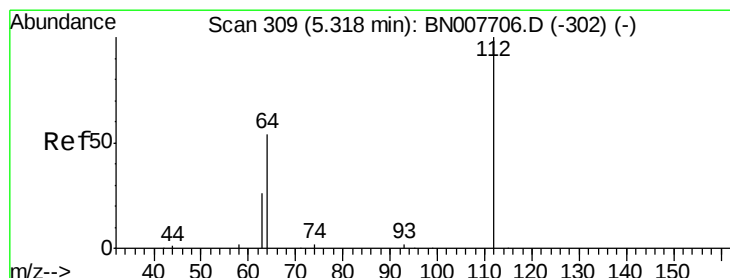
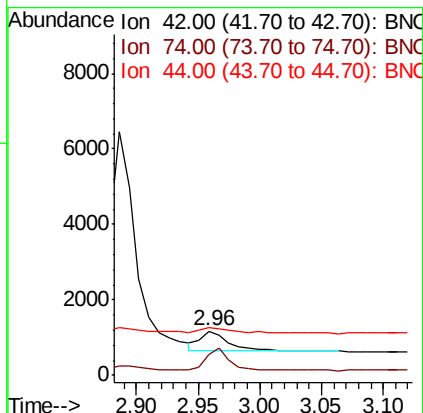
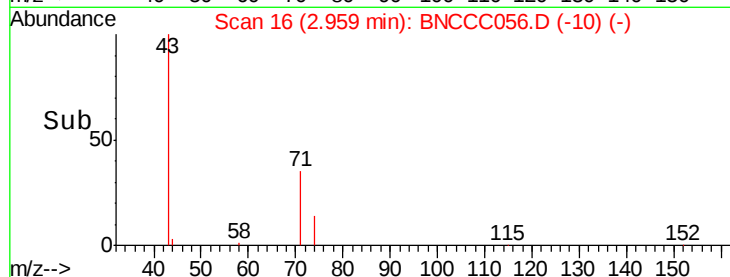
#3

n-Nitrosodimethylamine  
 Concen: 0.742 ng  
 RT: 2.96 min Scan# 16  
 Delta R.T. -0.05 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 102.9 | 87.9  | 131.9 |
| 44      | 29.7  | 29.4  | 44.0  |



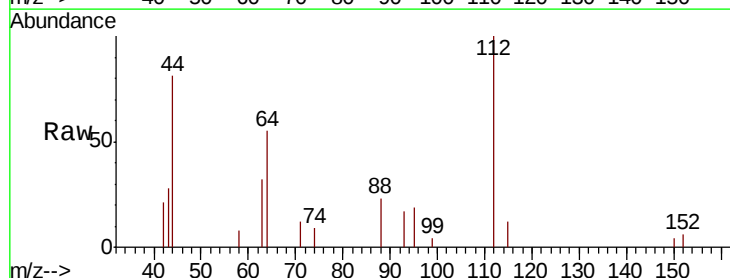
Abundance Ion 42.00 (41.70 to 42.70): BNC  
 Ion 74.00 (73.70 to 74.70): BNC  
 Ion 44.00 (43.70 to 44.70): BNC



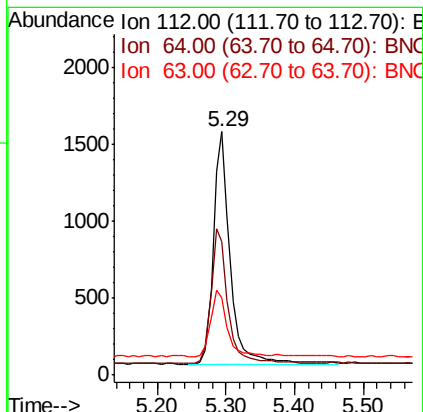
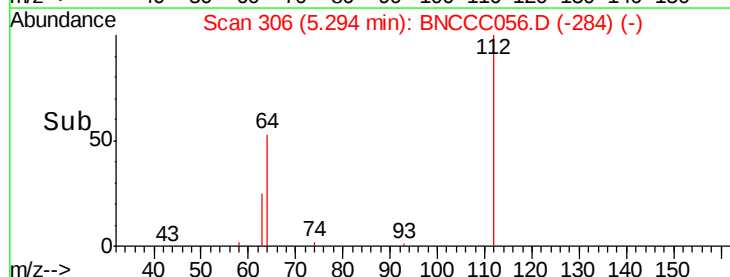
#4

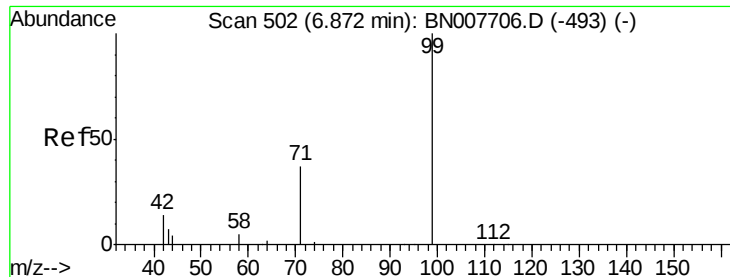
2-Fluorophenol  
 Concen: 0.362 ng  
 RT: 5.29 min Scan# 306  
 Delta R.T. -0.02 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.5  | 46.6  | 70.0  |
| 63      | 29.1  | 23.1  | 34.7  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BNC  
 Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.372 ng

RT: 6.86 min Scan# 501

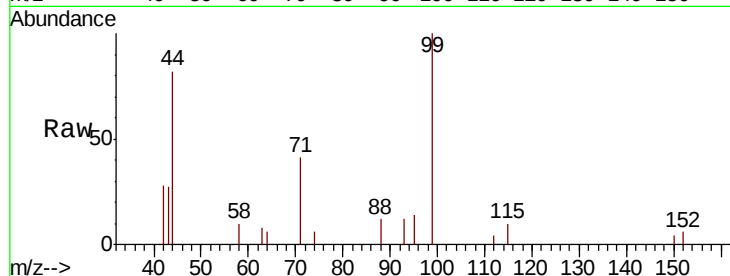
Delta R.T. -0.01 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

Tot Ion: 99 Resp: 3347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.1  | 12.8  | 19.2  |
| 71  | 35.9  | 27.6  | 41.4  |

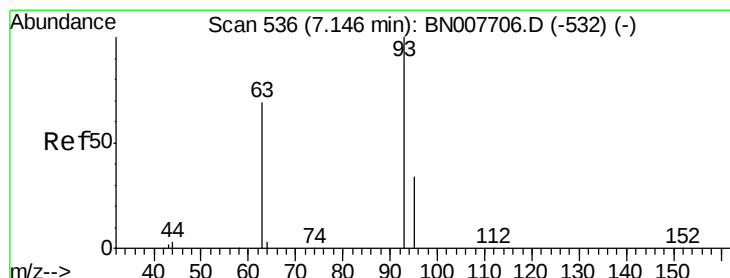
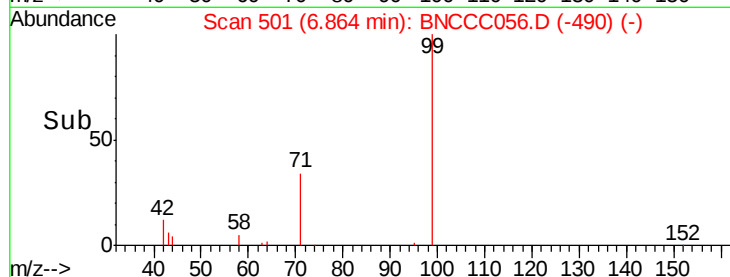
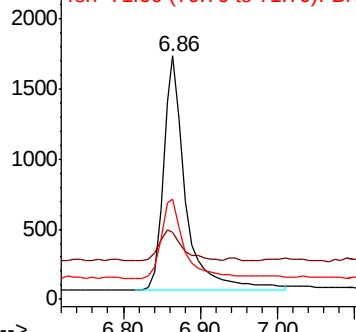


Abundance

Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.420 ng

RT: 7.11 min Scan# 531

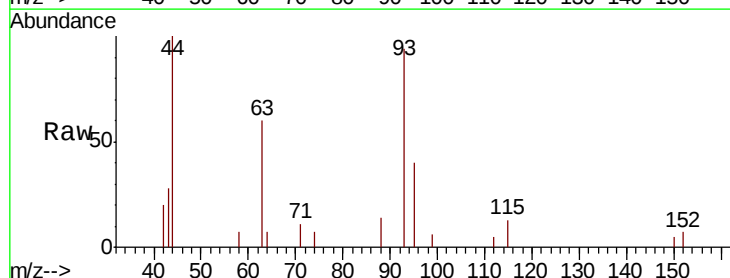
Delta R.T. -0.04 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

Tgt Ion: 93 Resp: 2489

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 69.0  | 59.3  | 88.9  |
| 95  | 34.1  | 31.4  | 47.0  |

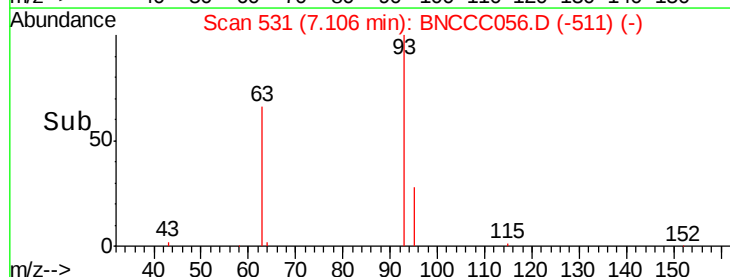
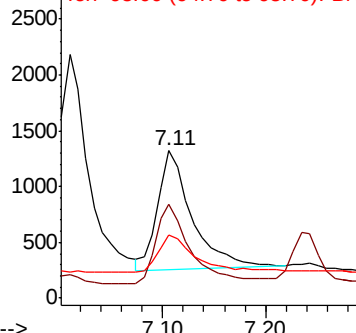


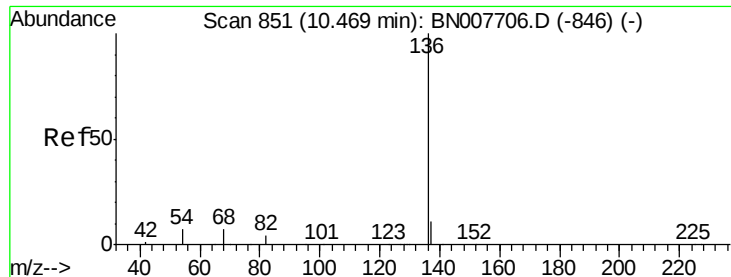
Abundance

Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.04 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

Tot Ion:136 Resp: 8660

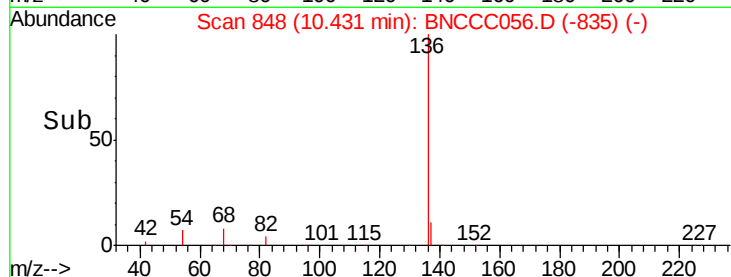
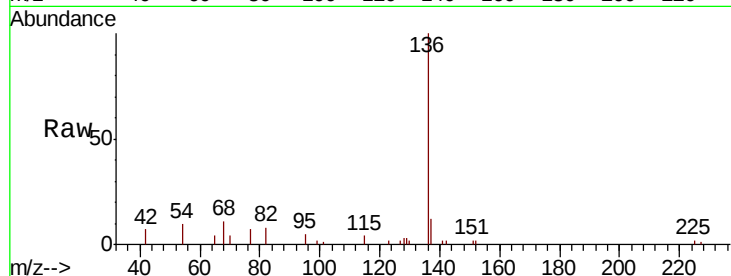
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 10.3 5.8 8.8#

68 11.0 6.5 9.7#

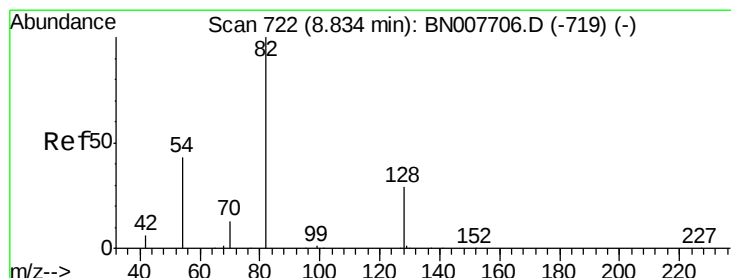
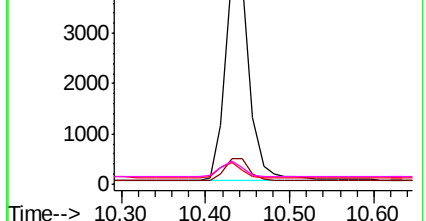


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.382 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

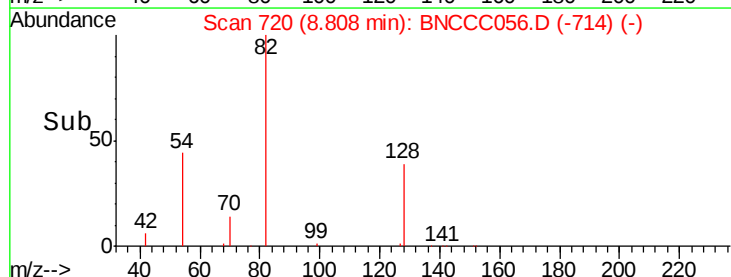
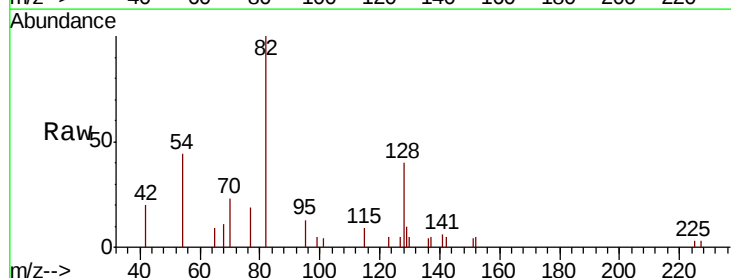
Tgt Ion: 82 Resp: 2893

Ion Ratio Lower Upper

82 100

128 40.2 24.5 36.7#

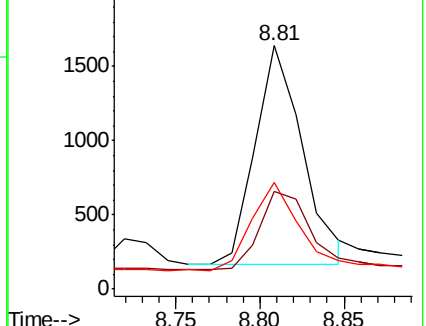
54 43.7 35.2 52.8

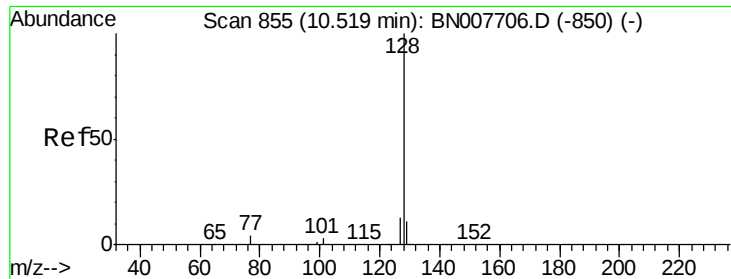


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.412 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.04 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

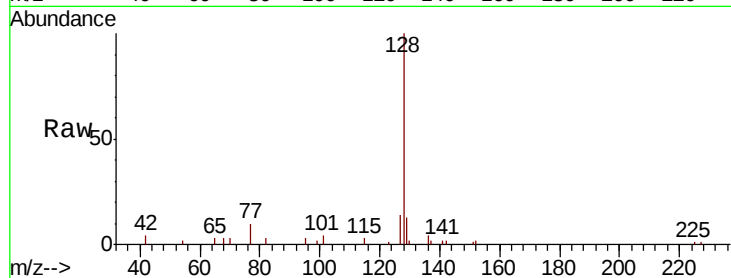
Tot Ion:128 Resp: 10013

Ion Ratio Lower Upper

128 100

129 12.8 9.1 13.7

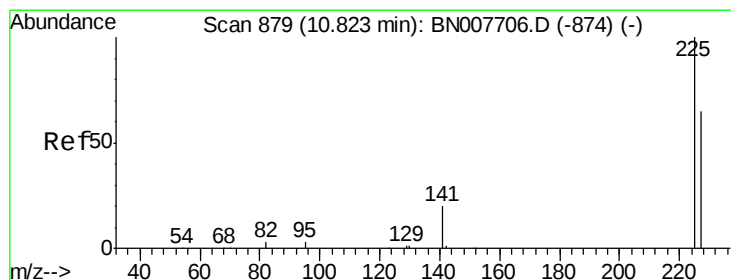
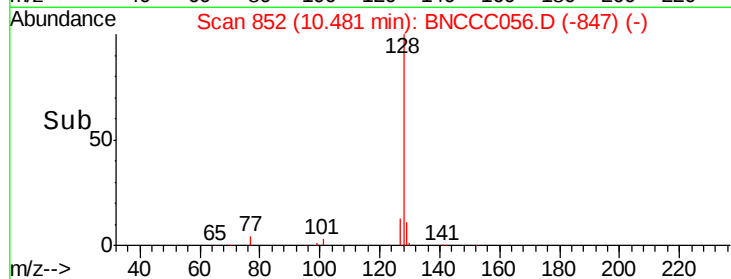
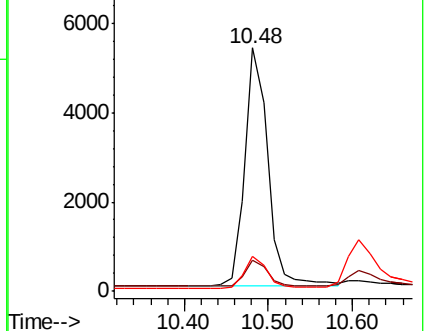
127 14.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.447 ng

RT: 10.77 min Scan# 875

Delta R.T. -0.05 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

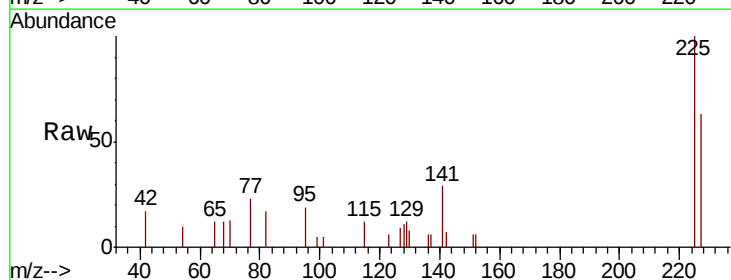
Tgt Ion:225 Resp: 2289

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

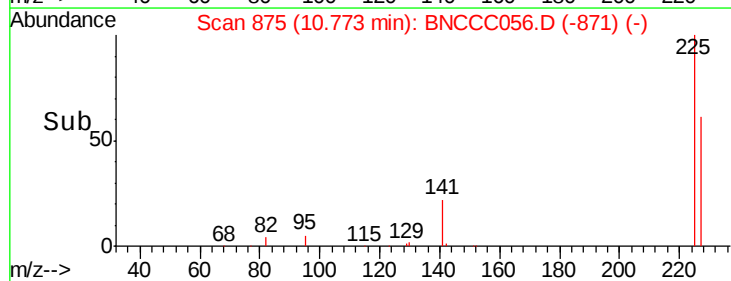
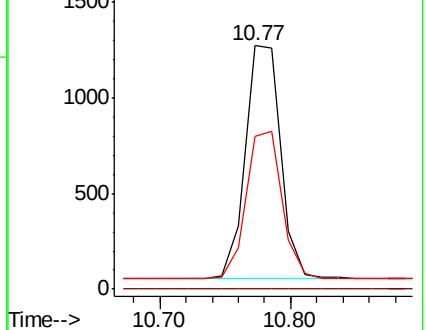
227 64.0 51.2 76.8

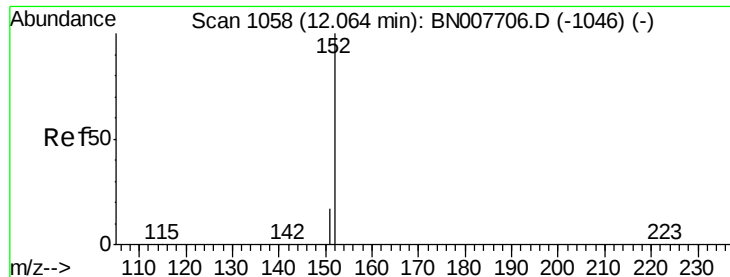


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

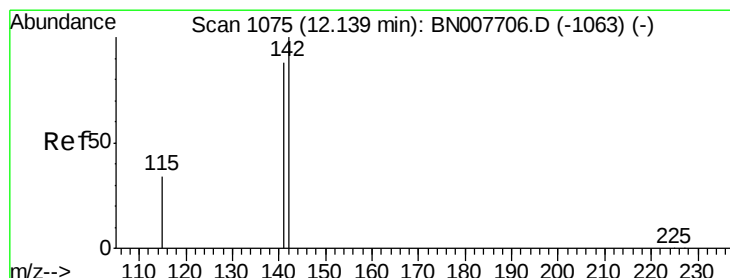
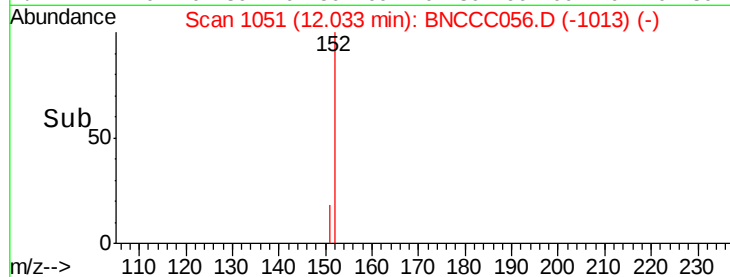
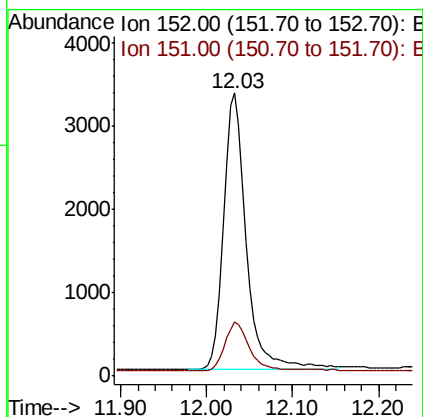
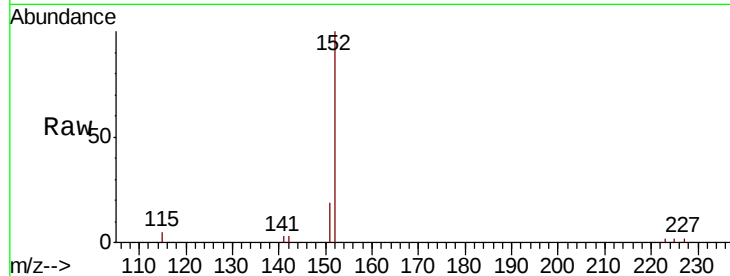
Ion 227.00 (226.70 to 227.70): E





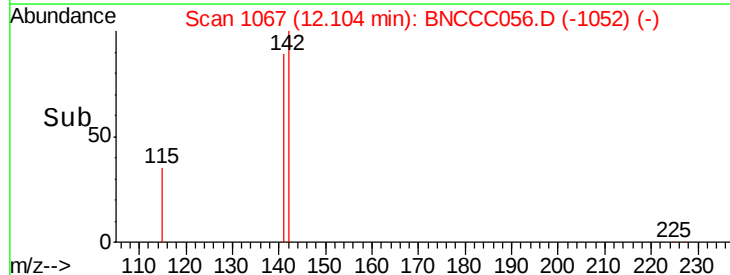
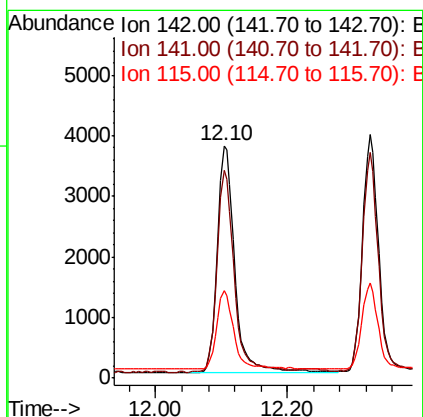
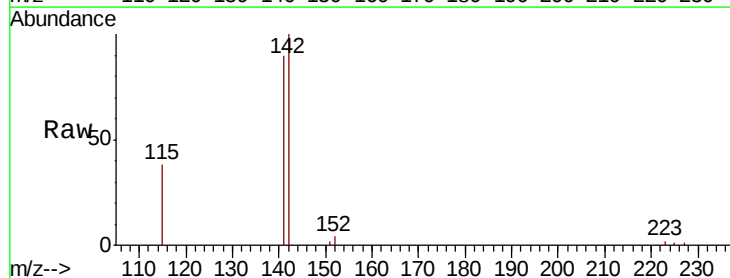
#11  
2-Methylnaphthalene-d10  
Concen: 0.415 ng  
RT: 12.03 min Scan# 1051  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

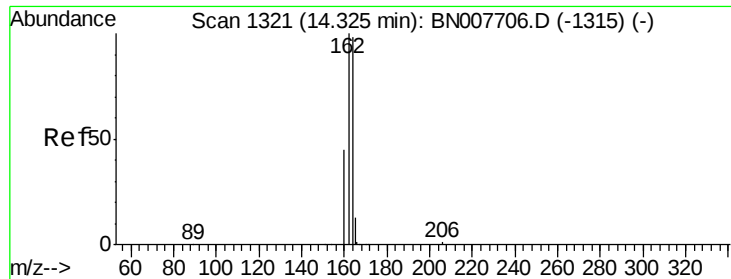
Tot Ion:152 Resp: 6053  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.4 23.2



#12  
2-Methylnaphthalene  
Concen: 0.421 ng  
RT: 12.10 min Scan# 1067  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

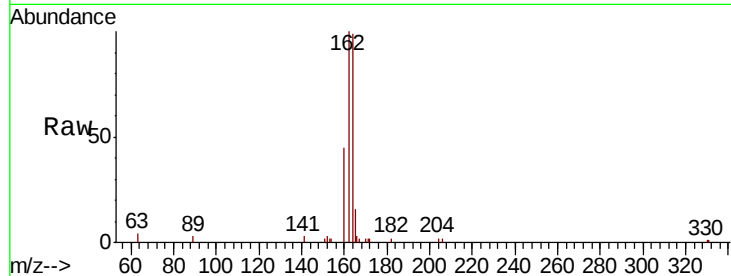
Tgt Ion:142 Resp: 6921  
Ion Ratio Lower Upper  
142 100  
141 89.6 70.6 106.0  
115 37.7 28.3 42.5



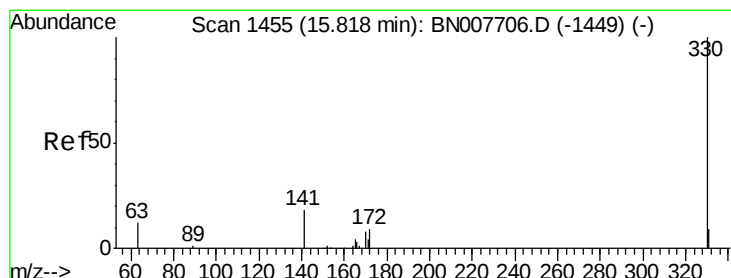
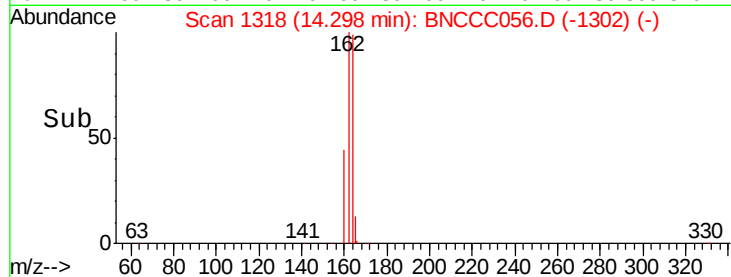
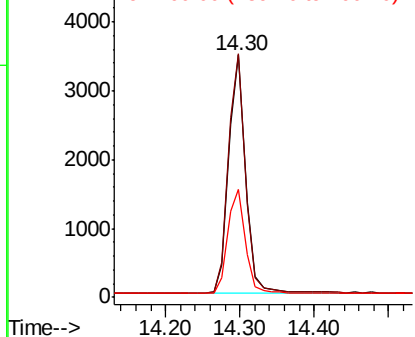


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.30 min Scan# 1318  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

Tot Ion:164 Resp: 5437  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.7 122.5  
160 44.8 37.0 55.4

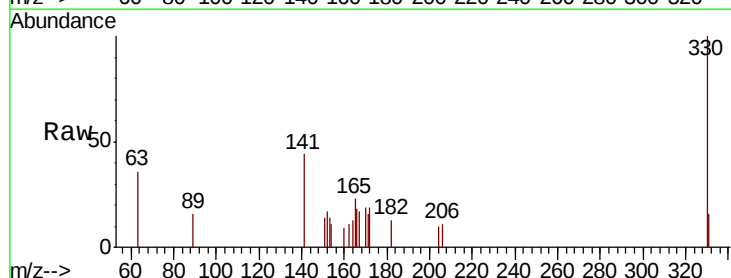


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

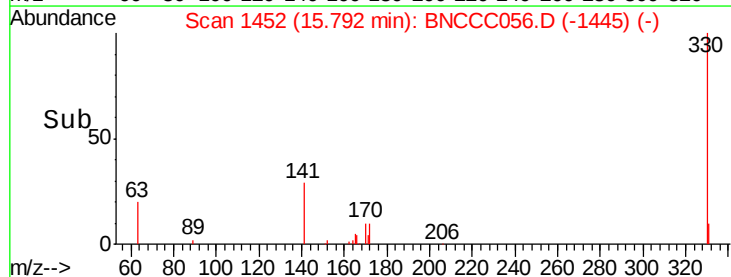
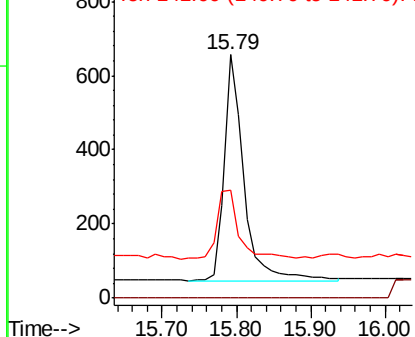


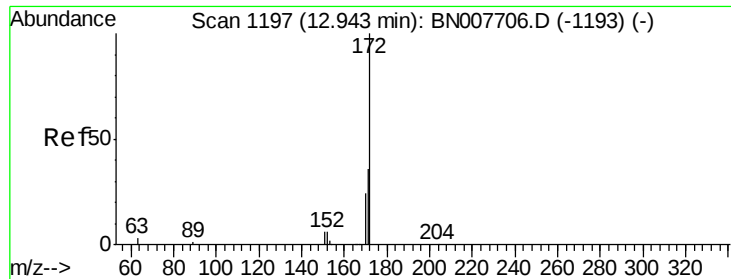
#14  
2,4,6-Tribromophenol  
Concen: 0.379 ng  
RT: 15.79 min Scan# 1452  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

Tgt Ion:330 Resp: 1121  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 32.6 28.7 43.1



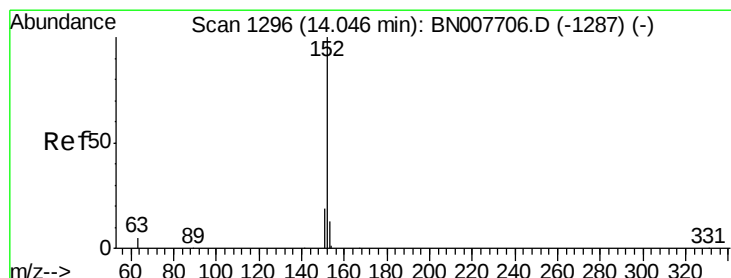
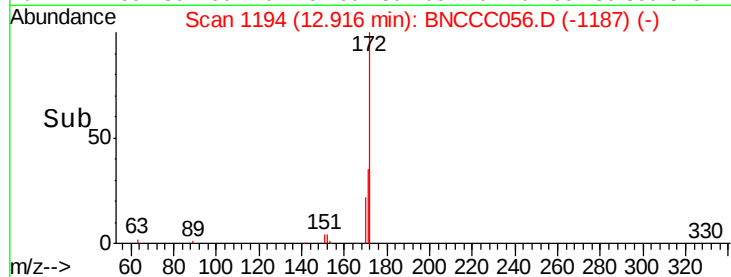
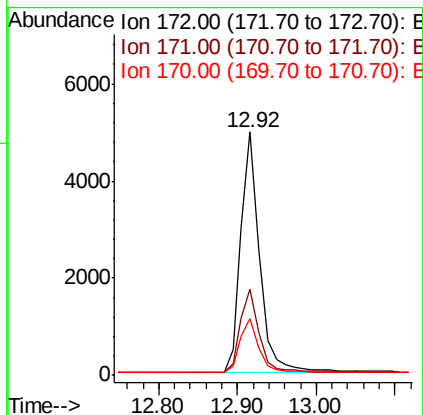
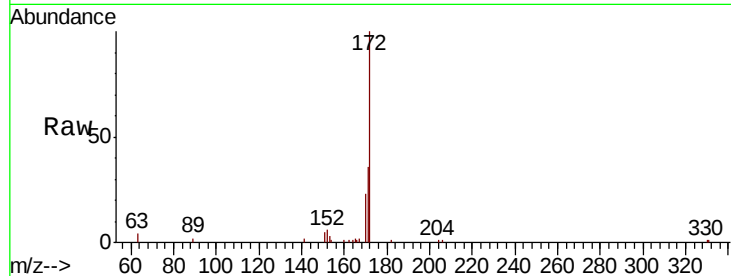
Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





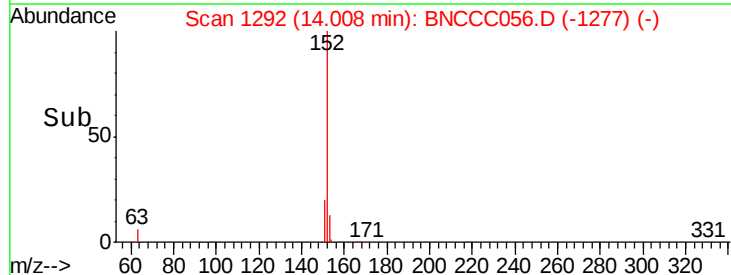
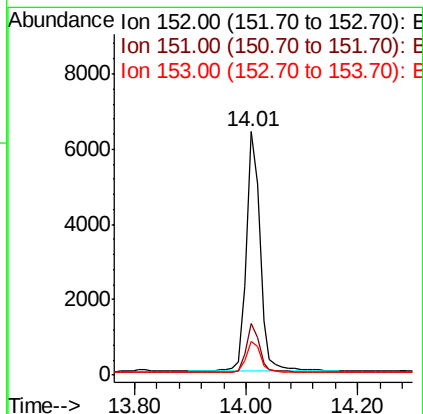
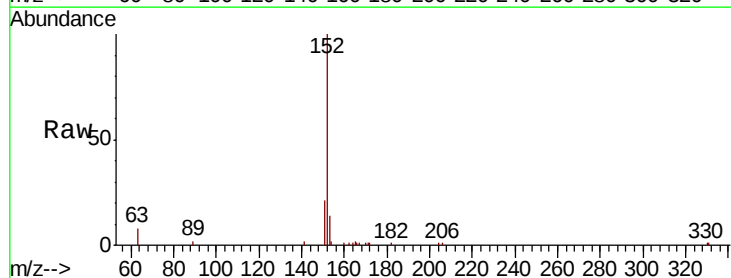
#15  
2-Fluorobiphenyl  
Concen: 0.371 ng  
RT: 12.92 min Scan# 1194  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

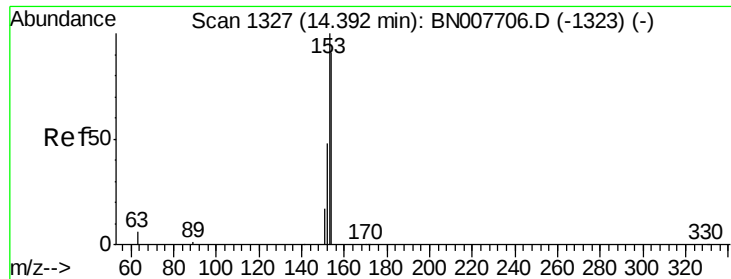
Tot Ion:172 Resp: 8298  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.8 43.2  
170 23.3 19.5 29.3



#16  
Acenaphthylene  
Concen: 0.378 ng  
RT: 14.01 min Scan# 1292  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

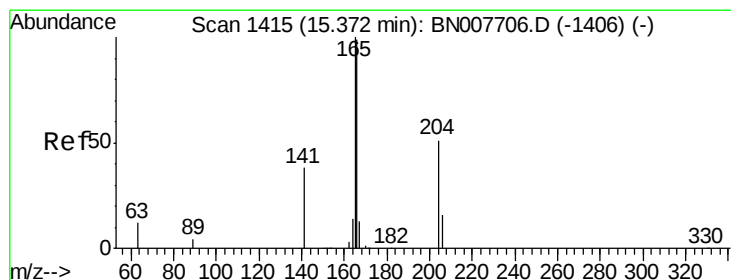
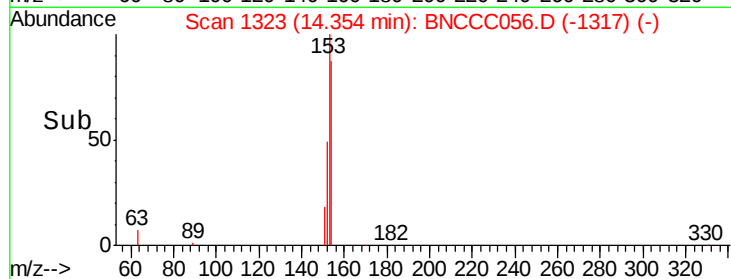
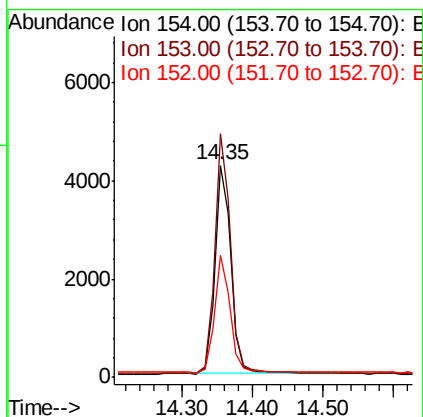
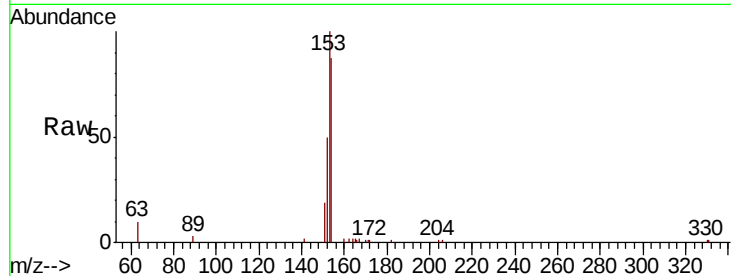
Tgt Ion:152 Resp: 10905  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.5 23.3  
153 13.2 10.4 15.6





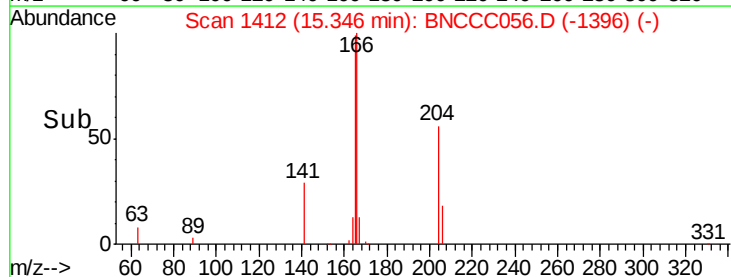
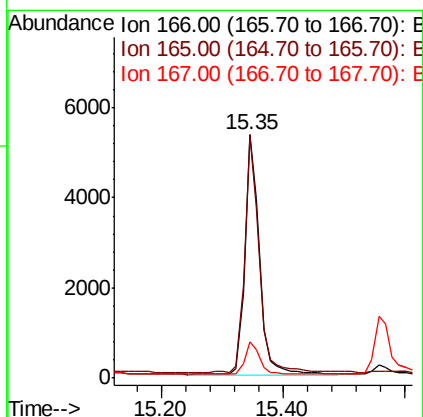
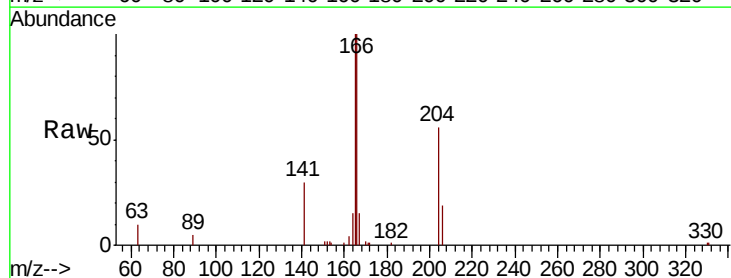
#17  
Acenaphthene  
Concen: 0.366 ng  
RT: 14.35 min Scan# 1323  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

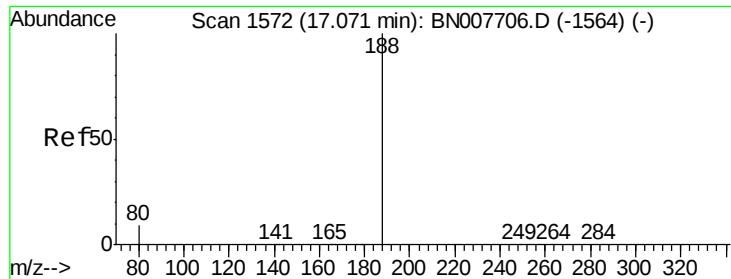
Tot Ion:154 Resp: 6807  
Ion Ratio Lower Upper  
154 100  
153 112.9 87.0 130.4  
152 54.8 42.7 64.1



#18  
Fluorene  
Concen: 0.370 ng  
RT: 15.35 min Scan# 1412  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

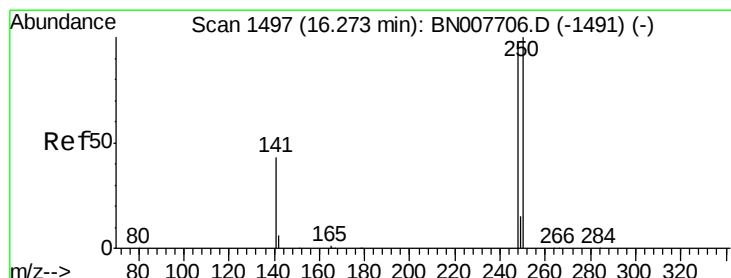
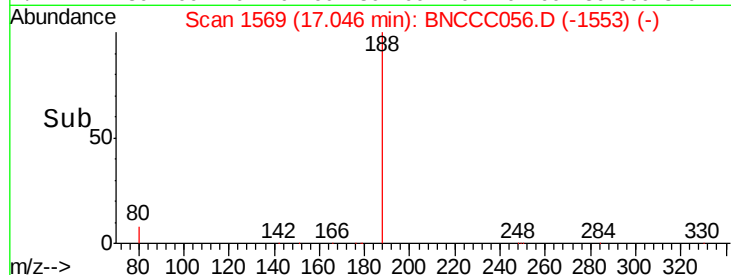
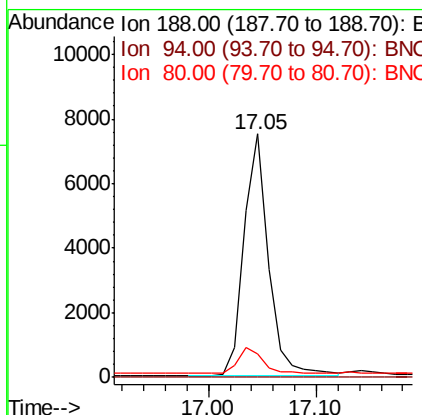
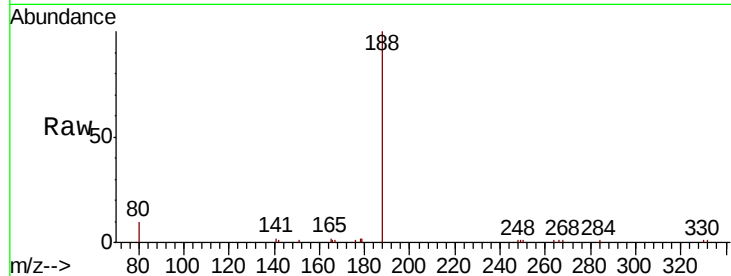
Tgt Ion:166 Resp: 8823  
Ion Ratio Lower Upper  
166 100  
165 98.8 78.0 117.0  
167 13.8 10.9 16.3





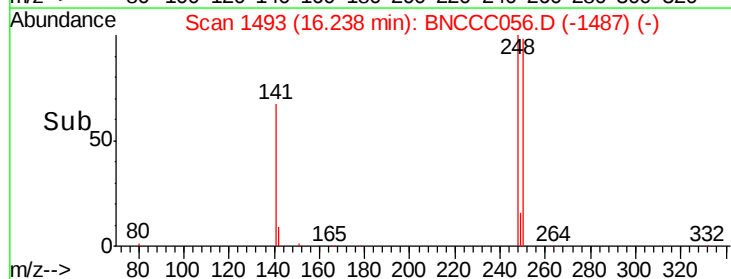
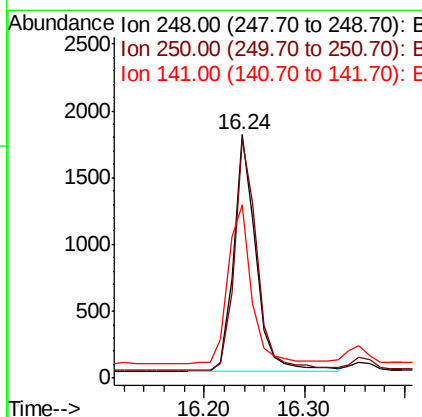
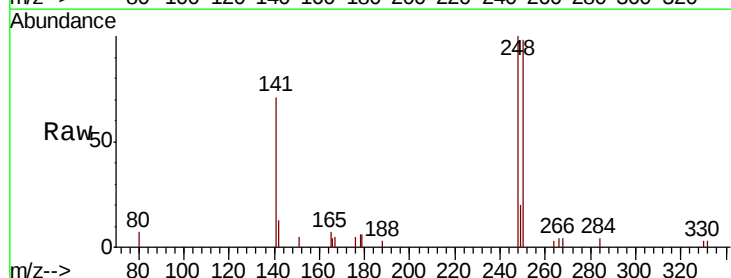
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.05 min Scan# 1569  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

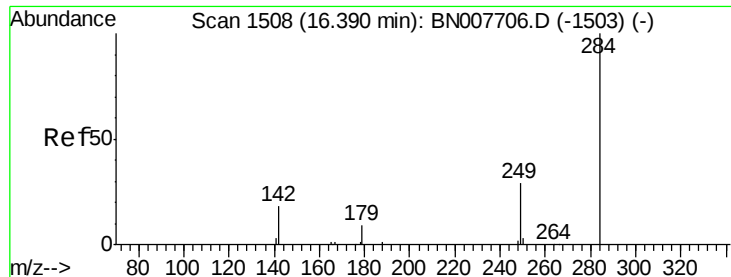
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 9.7   | 7.4   | 11.2  |



#20  
4-Bromophenyl-phenylether  
Concen: 0.382 ng  
RT: 16.24 min Scan# 1493  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.0  | 82.2  | 123.4 |
| 141     | 71.1  | 36.3  | 54.5  |





#21

Hexachlorobenzene

Concen: 0.426 ng

RT: 16.37 min Scan# 1505

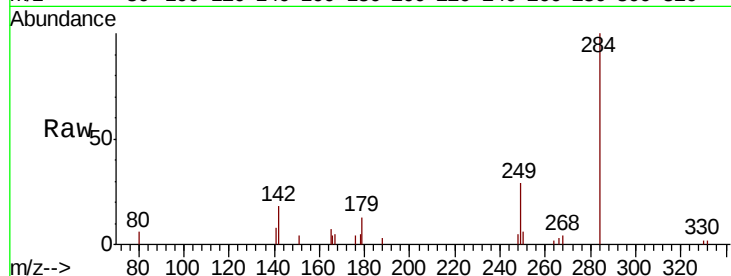
Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

Tot Ion:284 Resp: 3309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 284 | 100   |       |       |
| 142 | 31.4  | 25.8  | 38.6  |
| 249 | 31.2  | 25.9  | 38.9  |

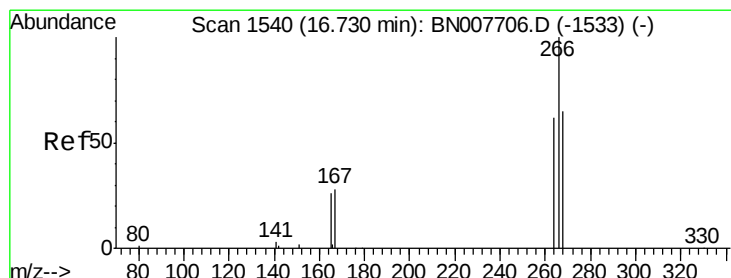
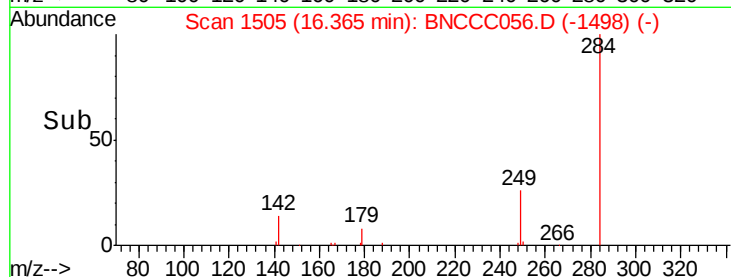
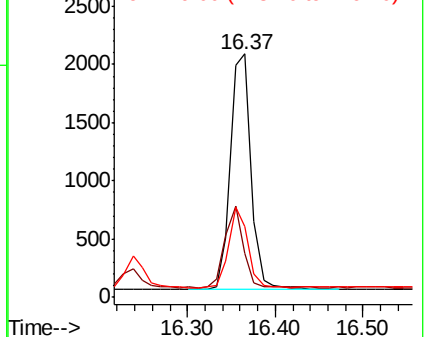


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.454 ng

RT: 16.71 min Scan# 1537

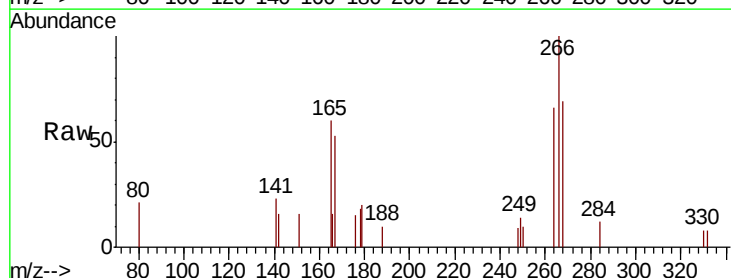
Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

Tgt Ion:266 Resp: 1299

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 66.2  | 50.0  | 75.0  |
| 268 | 68.9  | 54.2  | 81.4  |

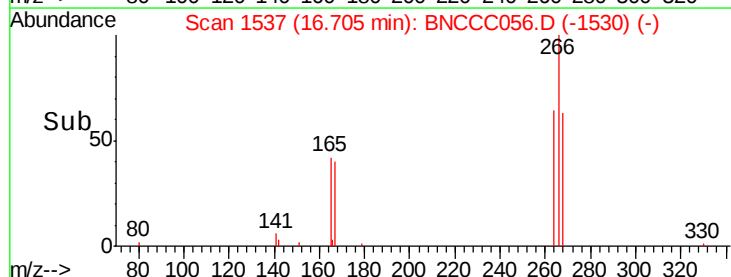
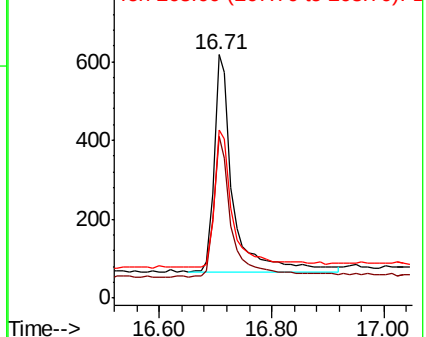


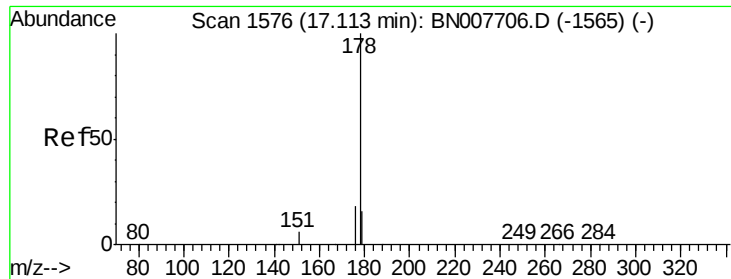
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

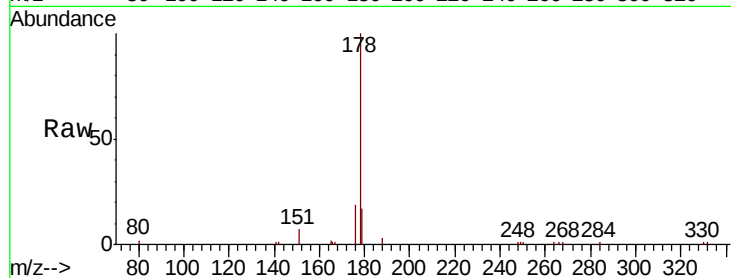
Tot Ion:178 Resp: 14574

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

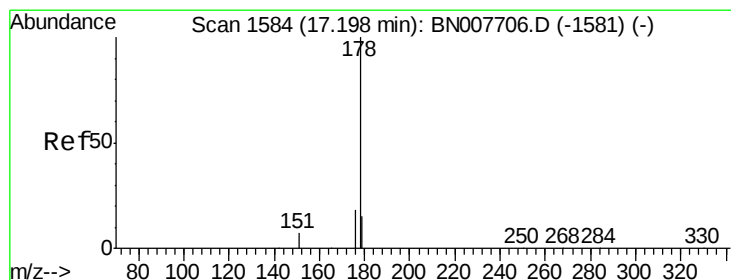
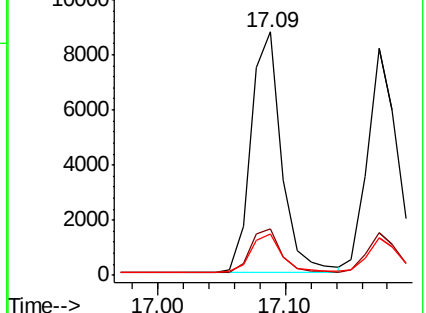
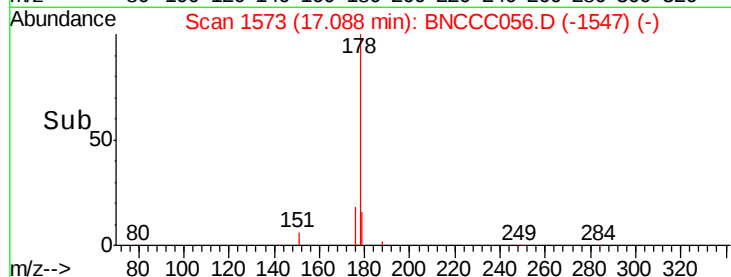
179 16.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.412 ng

RT: 17.17 min Scan# 1581

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

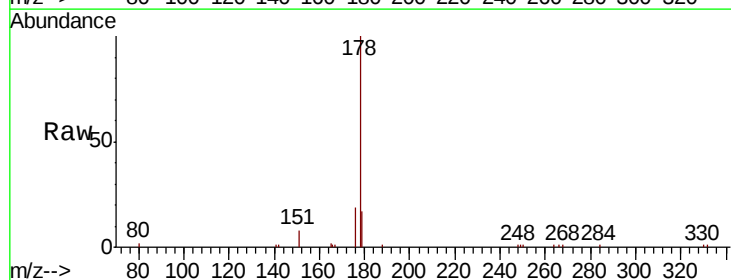
Tgt Ion:178 Resp: 13561

Ion Ratio Lower Upper

178 100

176 17.6 14.6 21.8

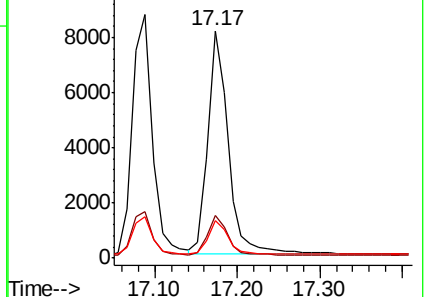
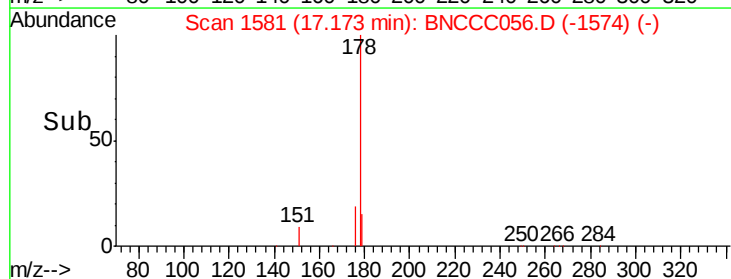
179 15.1 12.2 18.4

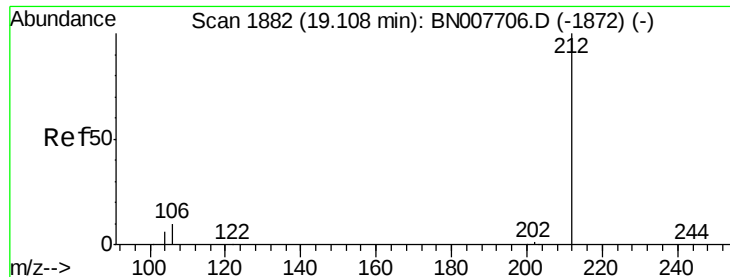


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.426 ng

RT: 19.08 min Scan# 1875

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

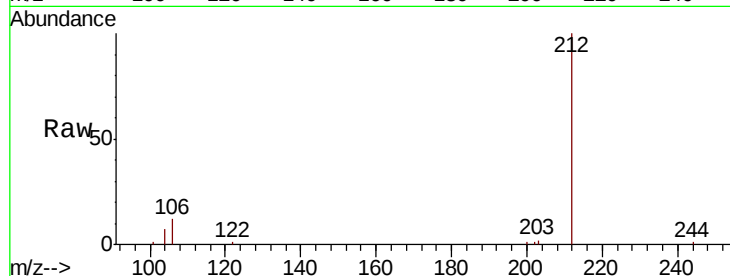
Tot Ion:212 Resp: 16801

Ion Ratio Lower Upper

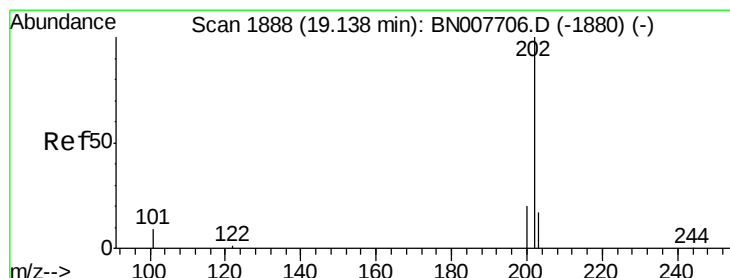
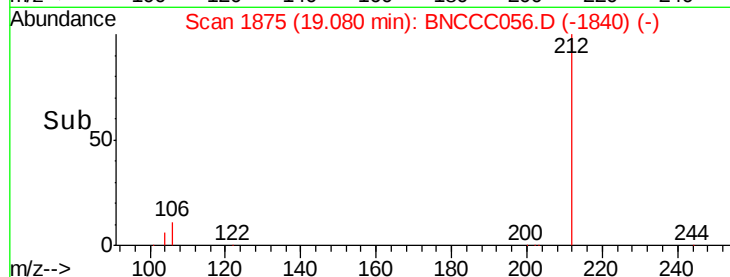
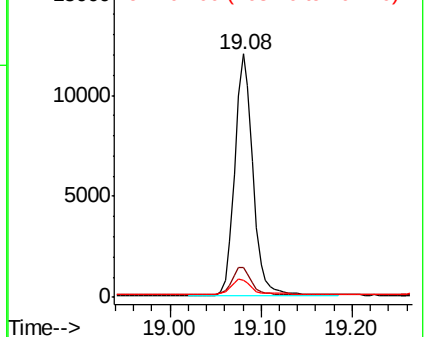
212 100

106 11.6 9.4 14.0

104 6.8 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.437 ng

RT: 19.11 min Scan# 1881

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

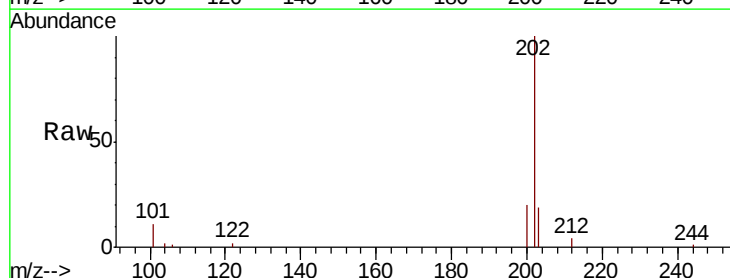
Tgt Ion:202 Resp: 19812

Ion Ratio Lower Upper

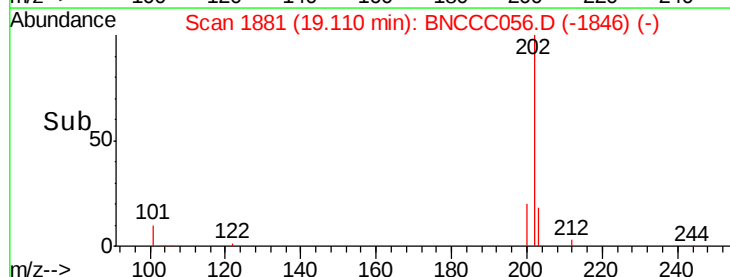
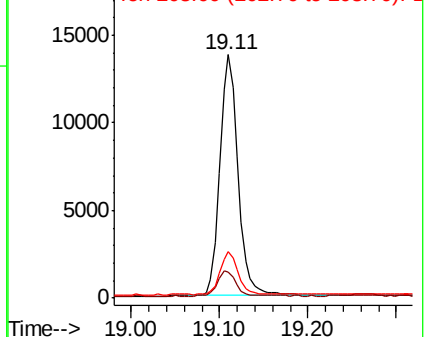
202 100

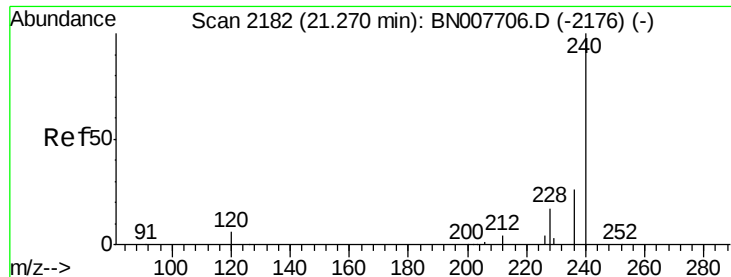
101 10.2 8.4 12.6

203 17.6 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 2178

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

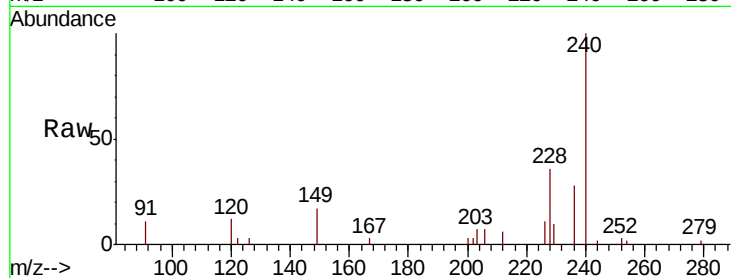
Tot Ion:240 Resp: 18166

Ion Ratio Lower Upper

240 100

120 12.2 5.4 8.2#

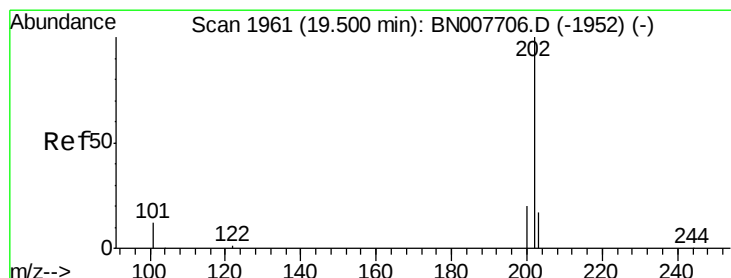
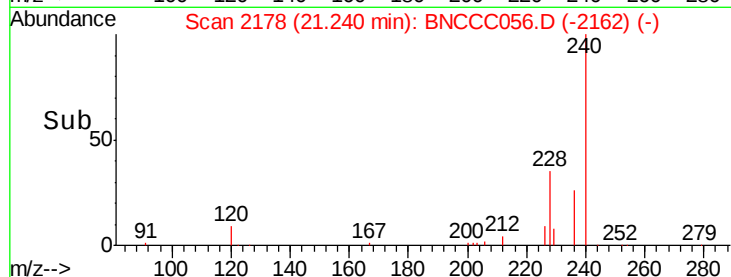
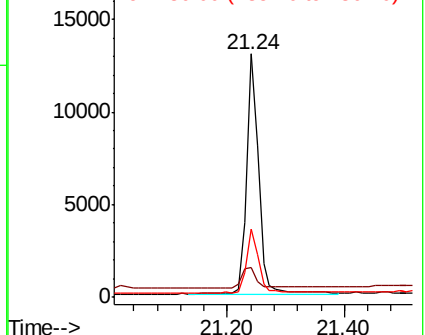
236 27.8 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.338 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

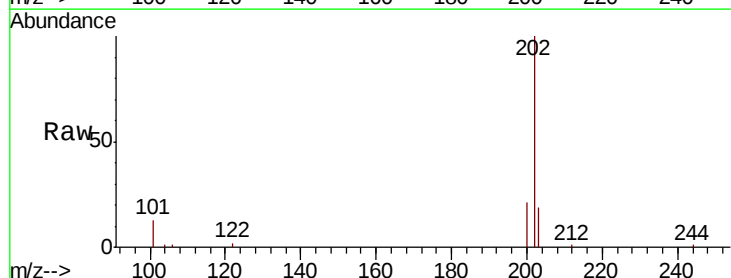
Tgt Ion:202 Resp: 20930

Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

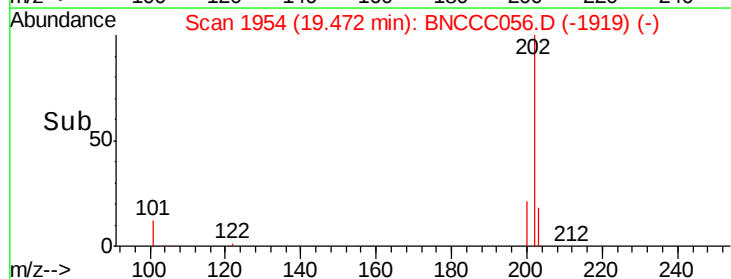
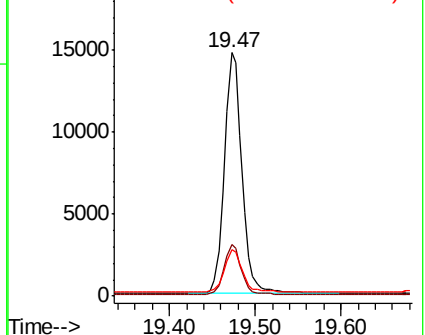
203 17.9 14.1 21.1

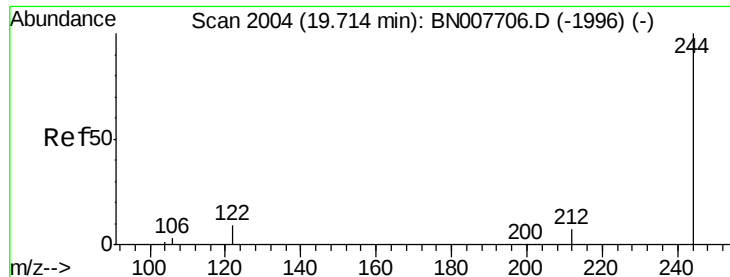


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

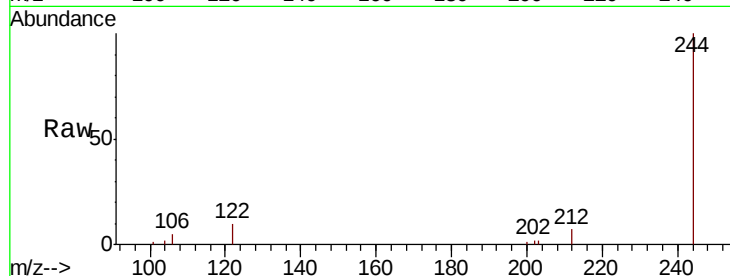
Ion 203.00 (202.70 to 203.70): E



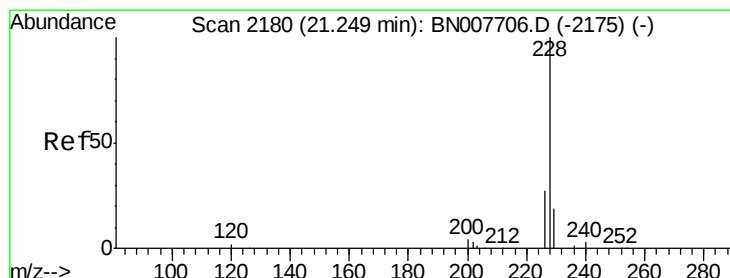
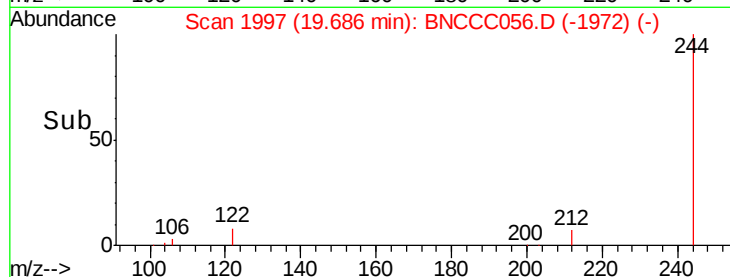
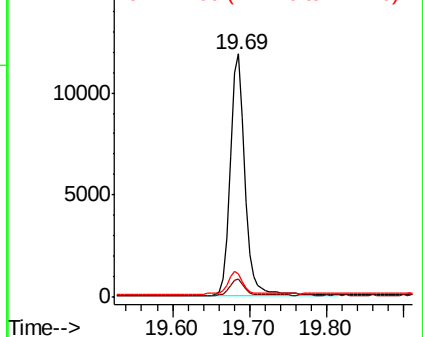


#29  
 Terphenyl-d14  
 Concen: 0.349 ng  
 RT: 19.69 min Scan# 1997  
 Delta R.T. -0.03 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

Tot Ion:244 Resp: 15565  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.9 8.9  
 122 9.6 7.4 11.2

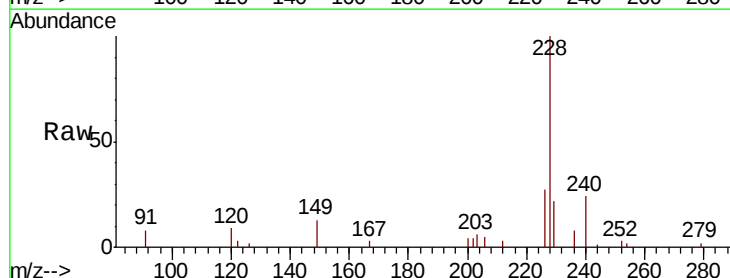


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

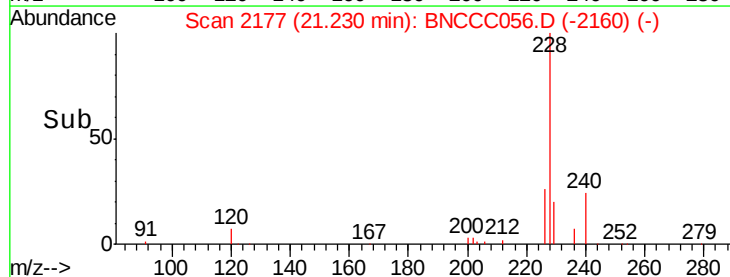
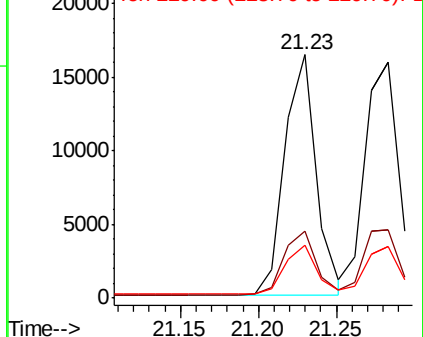


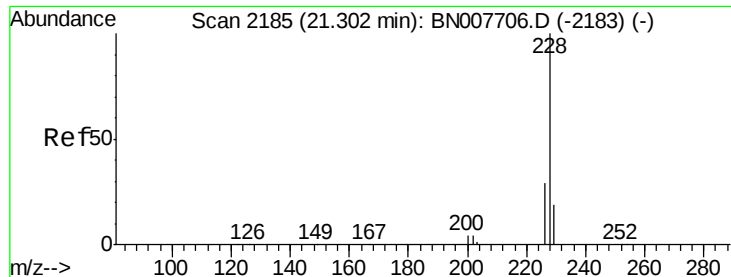
#30  
 Benzo(a)anthracene  
 Concen: 0.341 ng  
 RT: 21.23 min Scan# 2177  
 Delta R.T. -0.02 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

Tgt Ion:228 Resp: 22825  
 Ion Ratio Lower Upper  
 228 100  
 226 27.4 22.1 33.1  
 229 21.7 15.8 23.6



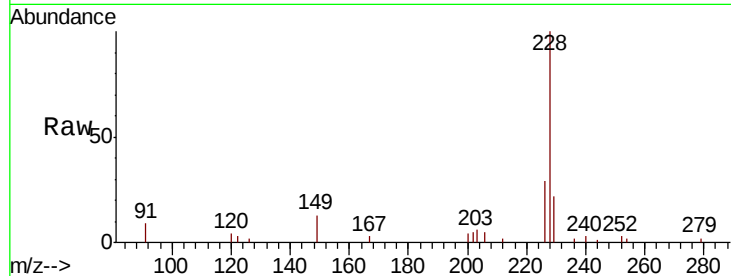
Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E



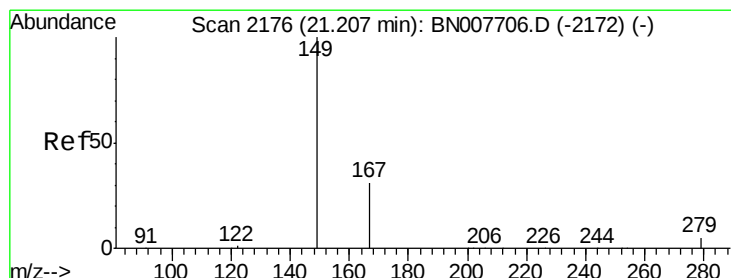
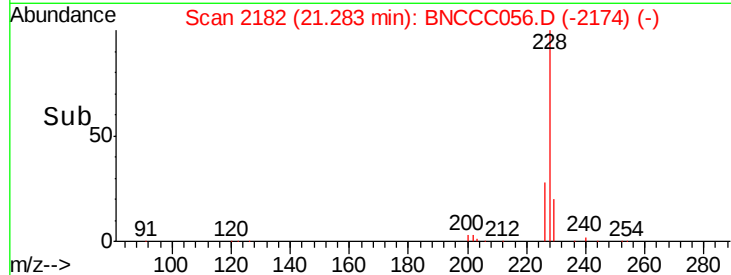
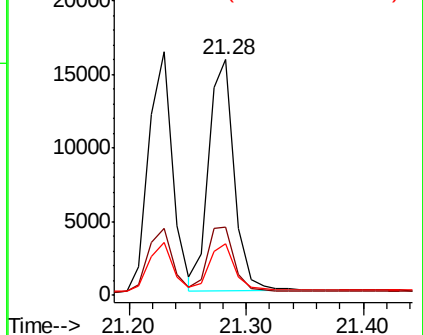


#31  
 Chrysene  
 Concen: 0.370 ng  
 RT: 21.28 min Scan# 2182  
 Delta R.T. -0.02 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

|             |             |
|-------------|-------------|
| Tot Ion:228 | Resp: 24101 |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 29.1    | 23.9 35.9   |
| 229 21.6    | 15.8 23.6   |

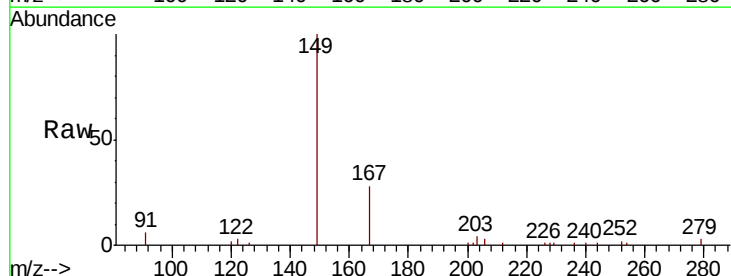


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

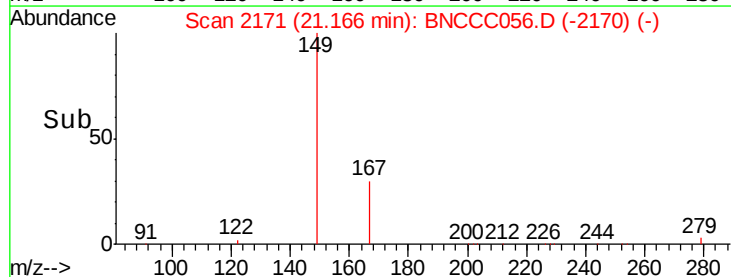
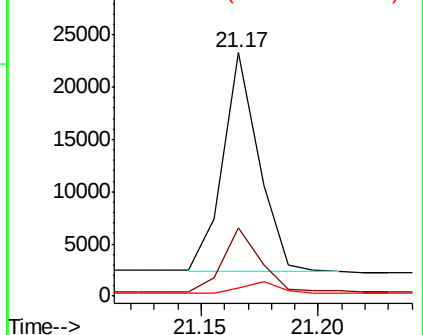


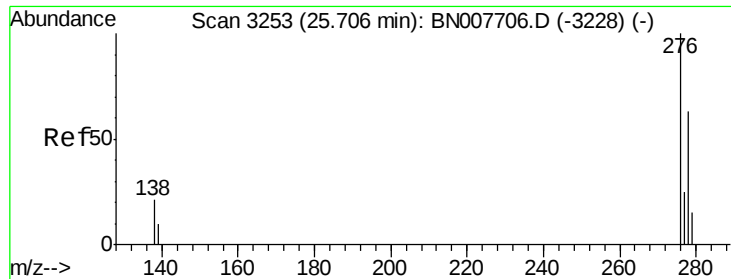
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.650 ng  
 RT: 21.17 min Scan# 2171  
 Delta R.T. -0.04 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:149 | Resp: | 22354 |
| Ion | Ratio   | Lower | Upper |
| 149 | 100     |       |       |
| 167 | 29.1    | 23.7  | 35.5  |
| 279 | 5.5     | 4.2   | 6.2   |



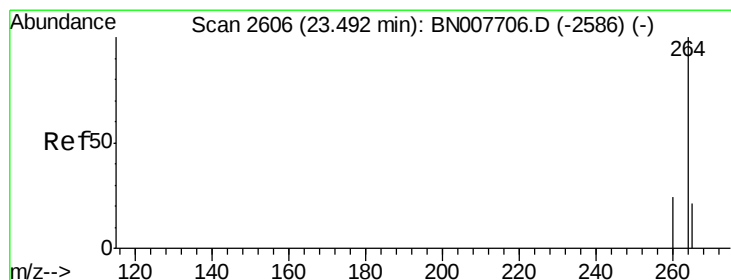
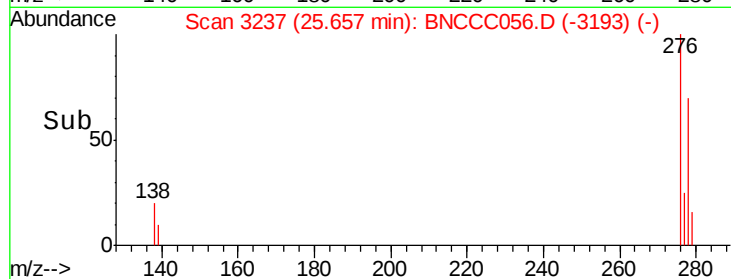
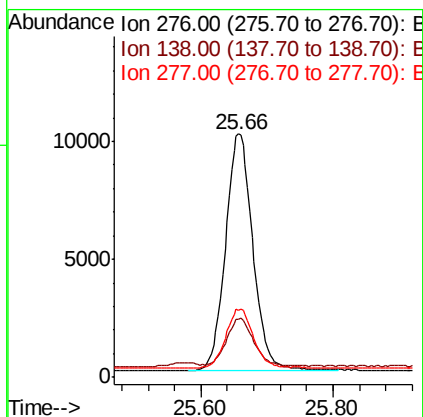
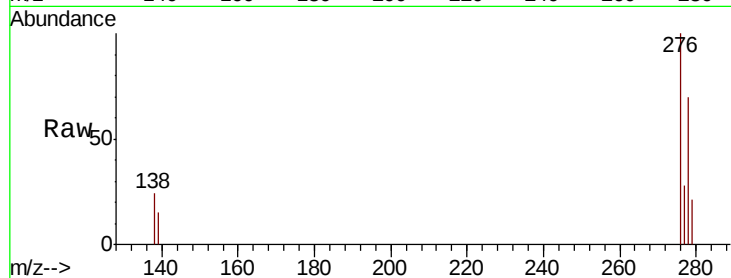
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E





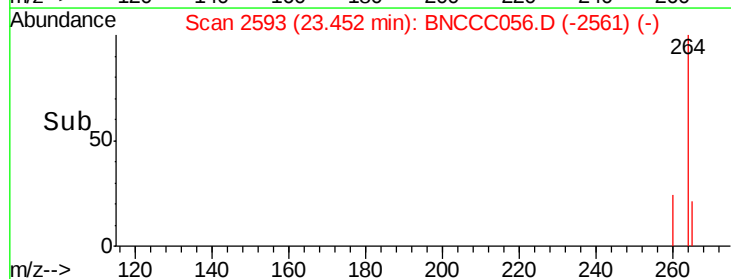
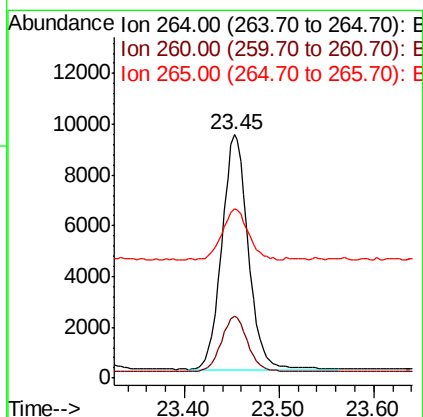
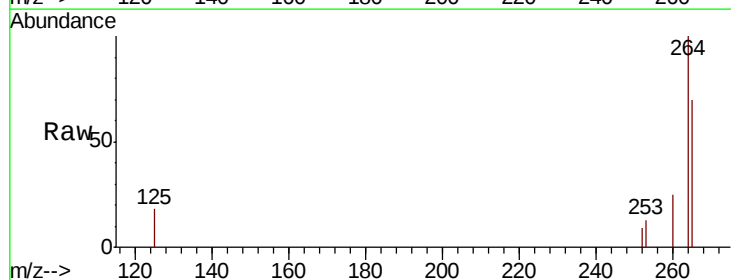
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.356 ng  
 RT: 25.66 min Scan# 3237  
 Delta R.T. -0.05 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

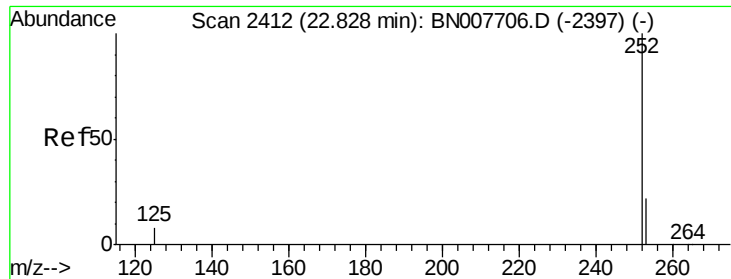
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.7  | 17.1  | 25.7  |
| 277     | 24.8  | 20.0  | 30.0  |



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.45 min Scan# 2593  
 Delta R.T. -0.04 min  
 Lab File: BNCCC056.D  
 Acq: 07 Oct 2019 19:27

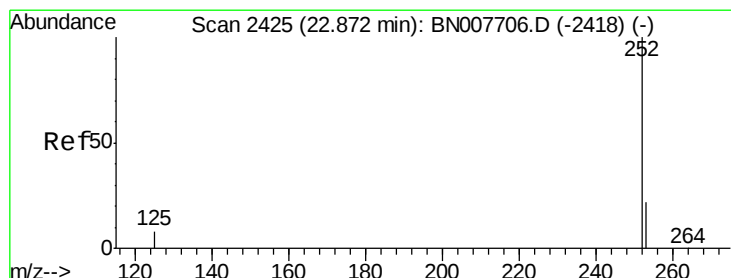
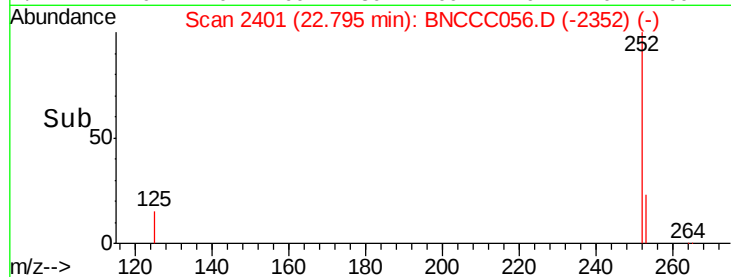
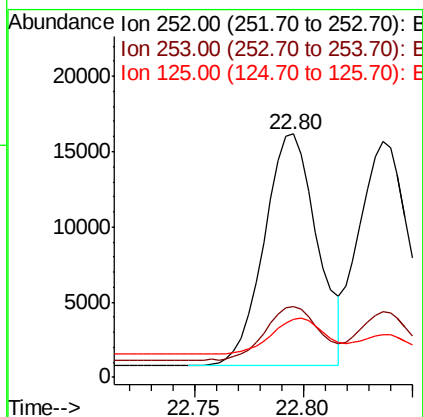
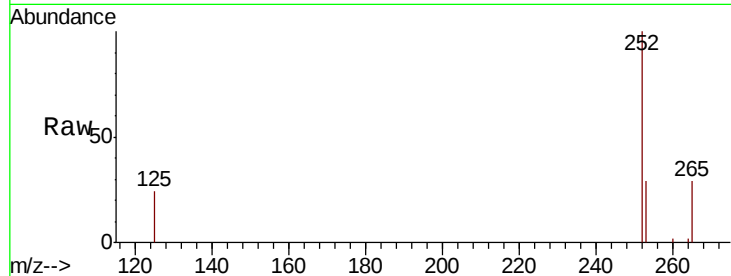
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 19.3  | 28.9  |
| 265     | 69.6  | 26.9  | 40.3  |





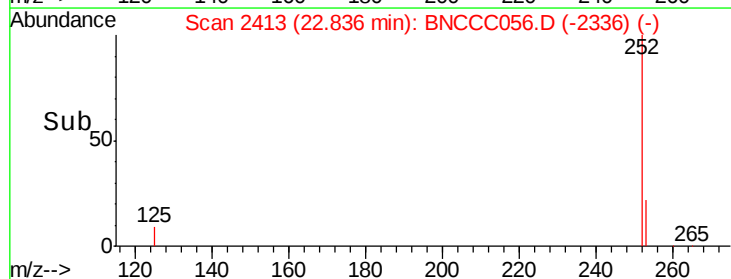
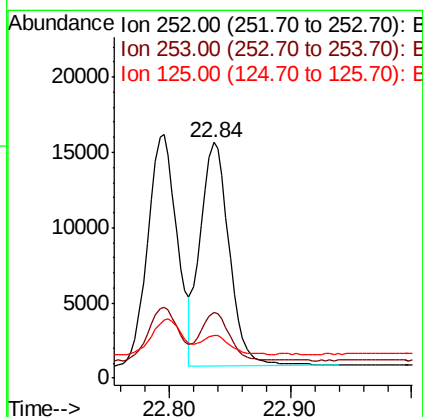
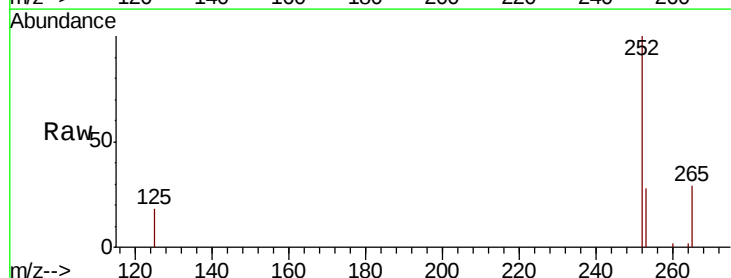
#35  
Benzo(b)fluoranthene  
Concen: 0.417 ng  
RT: 22.80 min Scan# 2401  
Delta R.T. -0.03 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

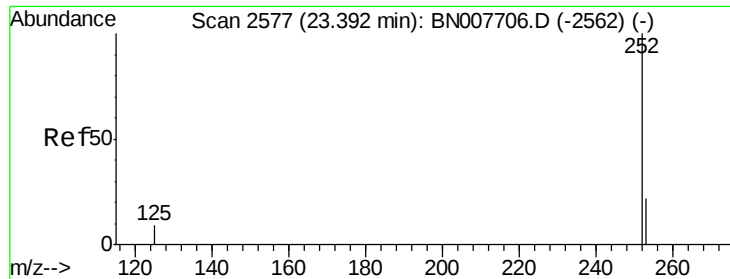
Tot Ion:252 Resp: 26017  
Ion Ratio Lower Upper  
252 100  
253 28.9 18.3 27.5#  
125 24.0 8.2 12.4#



#36  
Benzo(k)fluoranthene  
Concen: 0.399 ng  
RT: 22.84 min Scan# 2413  
Delta R.T. -0.04 min  
Lab File: BNCCC056.D  
Acq: 07 Oct 2019 19:27

Tgt Ion:252 Resp: 24624  
Ion Ratio Lower Upper  
252 100  
253 28.1 18.5 27.7#  
125 18.2 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.36 min Scan# 2565

Delta R.T. -0.04 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

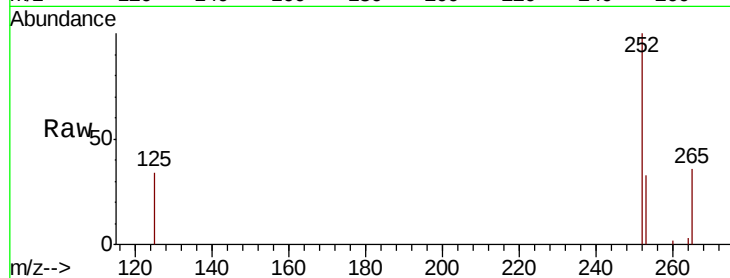
Tot Ion:252 Resp: 22781

Ion Ratio Lower Upper

252 100

253 32.5 18.6 27.8#

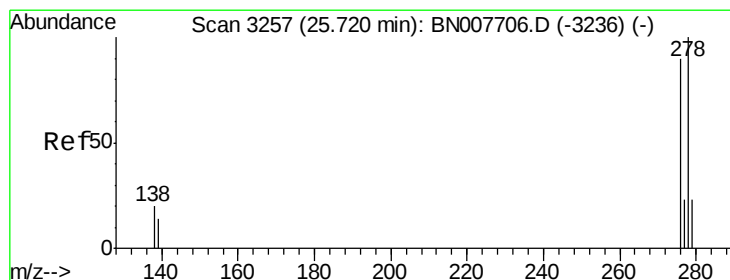
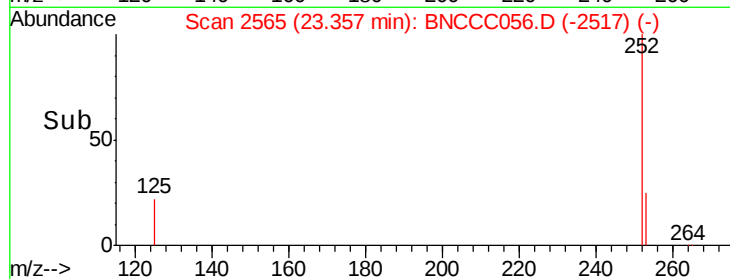
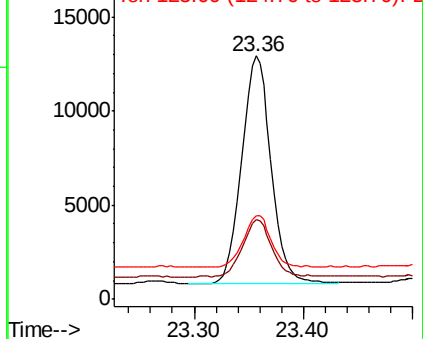
125 34.4 9.4 14.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.395 ng

RT: 25.67 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

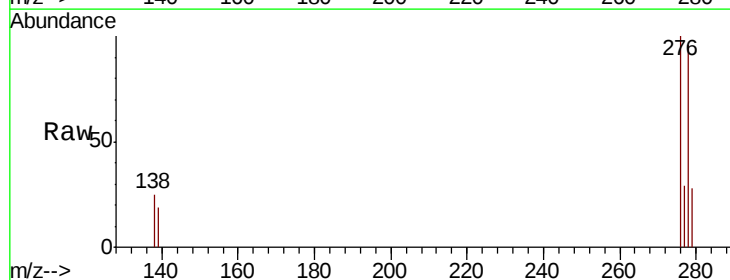
Tgt Ion:278 Resp: 23658

Ion Ratio Lower Upper

278 100

139 19.8 11.8 17.6#

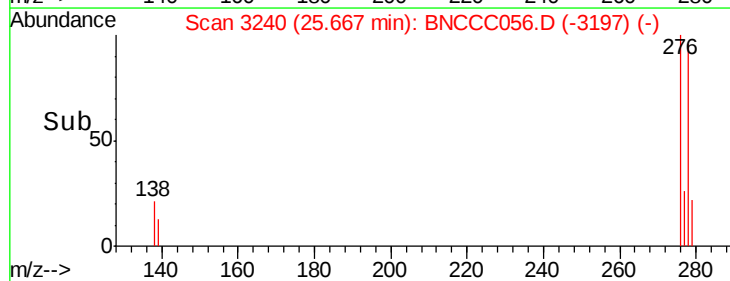
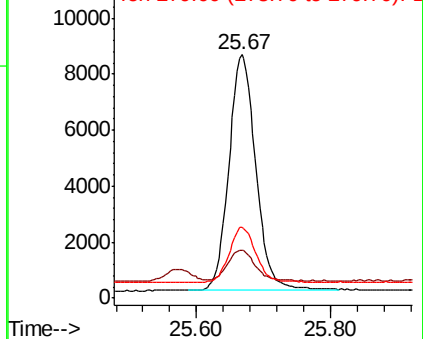
279 28.9 19.4 29.2

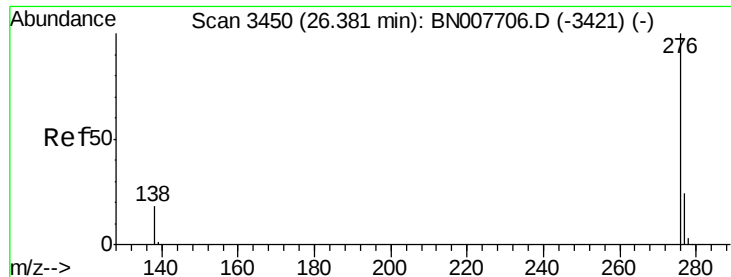


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.405 ng

RT: 26.33 min Scan# 3433

Delta R.T. -0.05 min

Lab File: BNCCC056.D

Acq: 07 Oct 2019 19:27

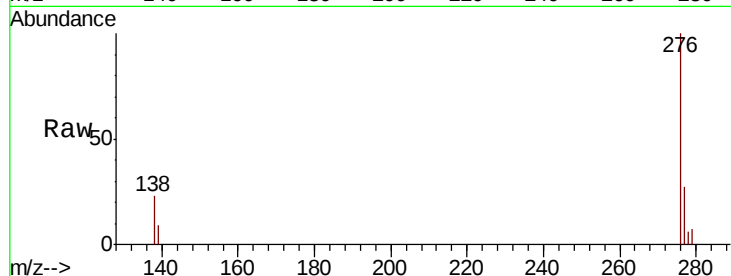
Tot Ion: 276 Resp: 24020

Ion Ratio Lower Upper

276 100

277 27.5 19.8 29.8

138 22.8 15.1 22.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

