

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN043020\  
 Data File : BN010673.D  
 Acq On : 30 Apr 2020 14:26  
 Operator : CG/JU  
 Sample : PB128575BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128575BS

Quant Time: Apr 30 14:56:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 11:18:31 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 3183     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.34 | 136  | 12847    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.21 | 164  | 8184     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 17464    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.17 | 240  | 13118    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.33 | 264  | 11702    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.23  | 112 | 2212  | 0.32 | ng | 0.00 |
| 5) Phenol-d6                | 6.78  | 99  | 2702  | 0.30 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.72  | 82  | 2753  | 0.31 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.93 | 152 | 9910  | 0.47 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.70 | 330 | 845   | 0.22 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.83 | 172 | 9429  | 0.32 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.99 | 212 | 13134 | 0.25 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.61 | 244 | 10077 | 0.34 | ng | 0.00 |

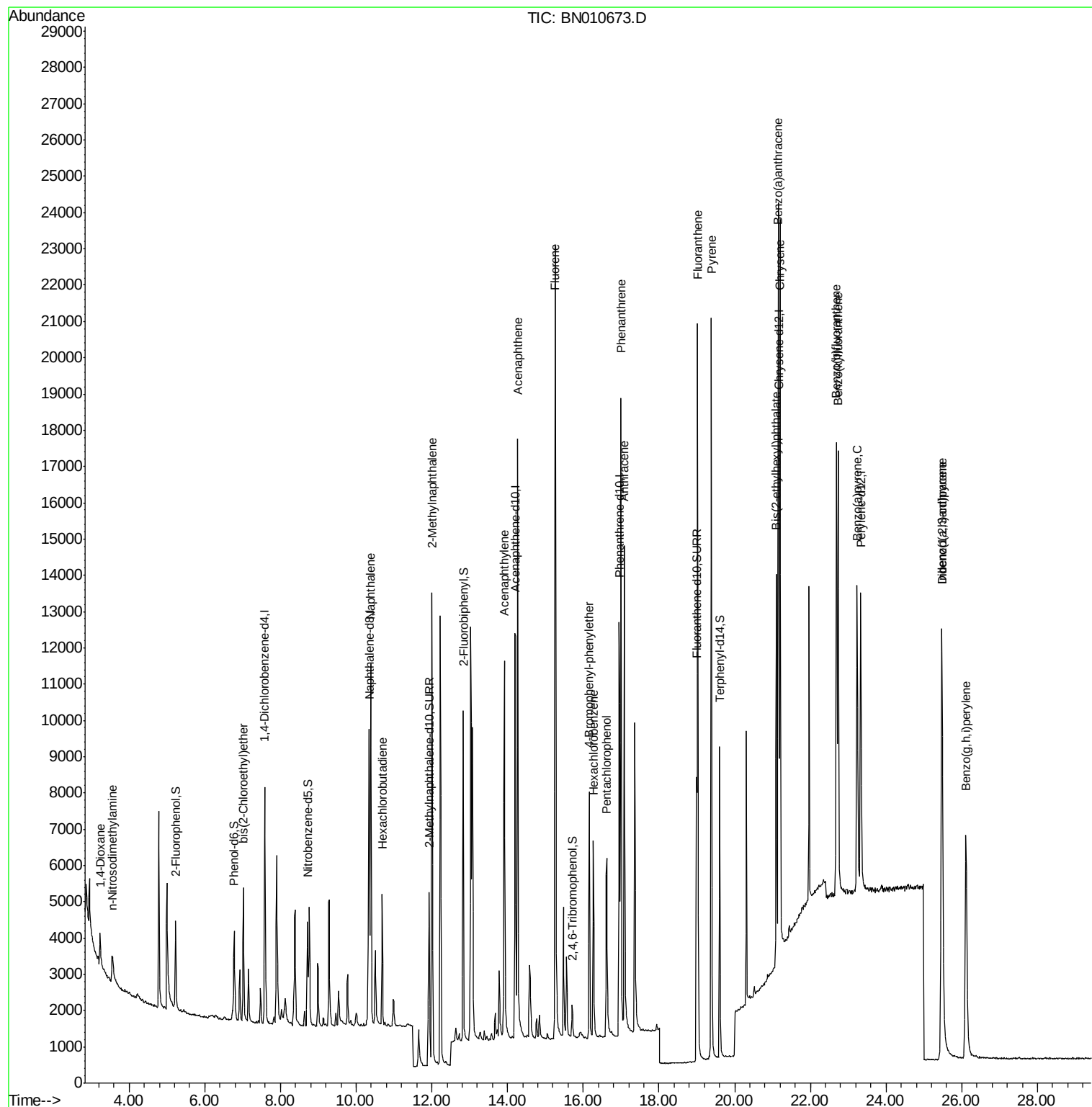
|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 818   | 0.349 | ng     | # 78 |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 621   | 0.409 | ng     | # 92 |
| 6) bis(2-Chloroethyl)ether     | 7.03  | 93  | 3393  | 0.430 | ng     | 98   |
| 9) Naphthalene                 | 10.38 | 128 | 13439 | 0.421 | ng     | 98   |
| 10) Hexachlorobutadiene        | 10.68 | 225 | 2881  | 0.375 | ng     | # 99 |
| 12) 2-Methylnaphthalene        | 12.01 | 142 | 9773  | 0.426 | ng     | 99   |
| 16) Acenaphthylene             | 13.92 | 152 | 13728 | 0.388 | ng     | 100  |
| 17) Acenaphthene               | 14.26 | 154 | 9237  | 0.407 | ng     | 100  |
| 18) Fluorene                   | 15.26 | 166 | 12293 | 0.413 | ng     | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.15 | 248 | 3827  | 0.394 | ng     | # 77 |
| 21) Hexachlorobenzene          | 16.27 | 284 | 4598  | 0.415 | ng     | 98   |
| 22) Pentachlorophenol          | 16.62 | 266 | 3460  | 0.794 | ng     | 97   |
| 23) Phenanthrene               | 16.99 | 178 | 19356 | 0.410 | ng     | 100  |
| 24) Anthracene                 | 17.09 | 178 | 16382 | 0.380 | ng     | 100  |
| 26) Fluoranthene               | 19.02 | 202 | 20606 | 0.351 | ng     | 99   |
| 28) Pyrene                     | 19.39 | 202 | 20273 | 0.459 | ng     | 99   |
| 30) Benzo(a)anthracene         | 21.14 | 228 | 16068 | 0.375 | ng     | 100  |
| 31) Chrysene                   | 21.20 | 228 | 17009 | 0.399 | ng     | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 7359  | 0.335 | ng     | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.47 | 276 | 16955 | 0.450 | ng     | 100  |
| 35) Benzo(b)fluoranthene       | 22.69 | 252 | 15831 | 0.411 | ng     | 96   |
| 36) Benzo(k)fluoranthene       | 22.73 | 252 | 16750 | 0.434 | ng     | 96   |
| 37) Benzo(a)pyrene             | 23.24 | 252 | 14215 | 0.417 | ng     | 94   |
| 38) Dibenzo(a,h)anthracene     | 25.48 | 278 | 13640 | 0.437 | ng     | 99   |
| 39) Benzo(g,h,i)perylene       | 26.11 | 276 | 15173 | 0.483 | ng     | 100  |

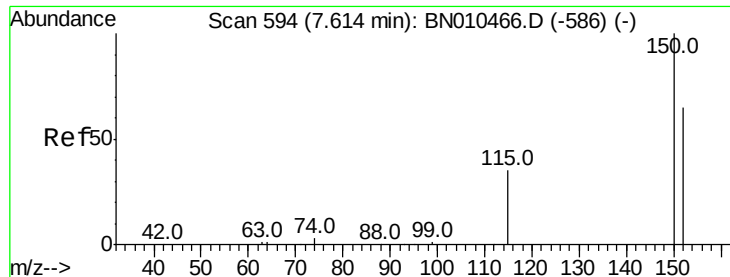
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 30 11:18:31 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.58 min Scan# 590

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

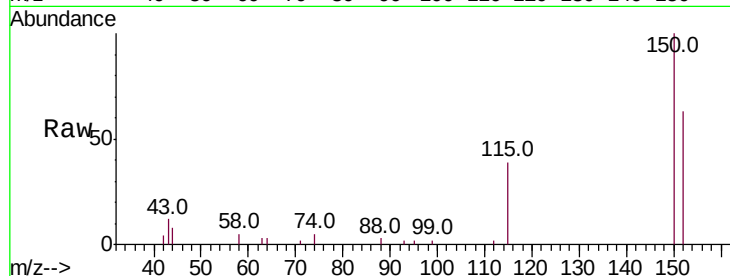
Tot Ion:152 Resp: 3183

Ion Ratio Lower Upper

152 100

150 157.6 121.8 182.6

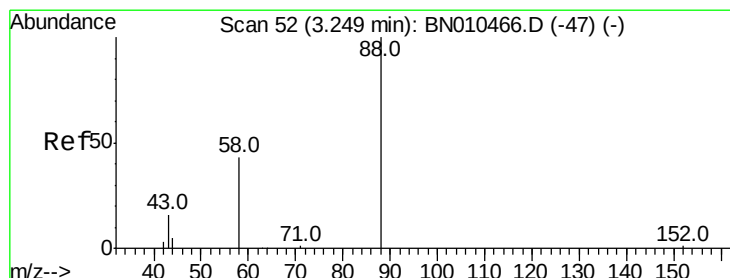
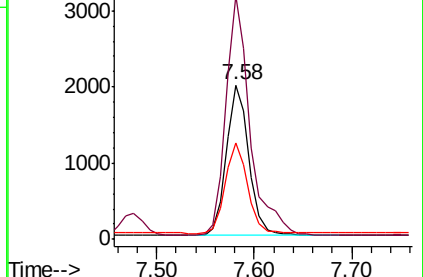
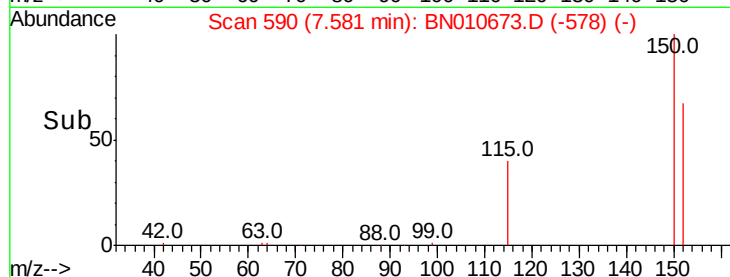
115 62.1 45.5 68.3



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: 0.349 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

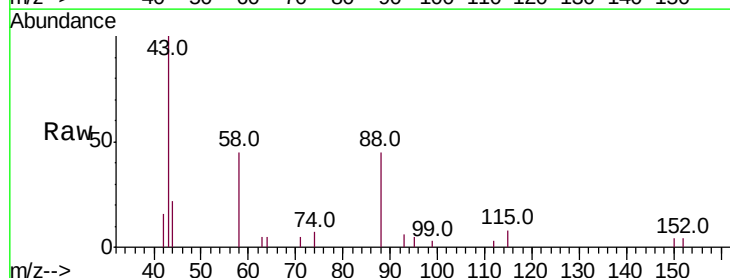
Tgt Ion: 88 Resp: 818

Ion Ratio Lower Upper

88 100

58 40.0 36.5 54.7

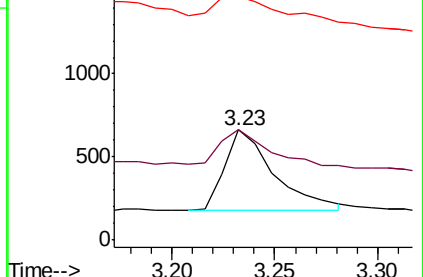
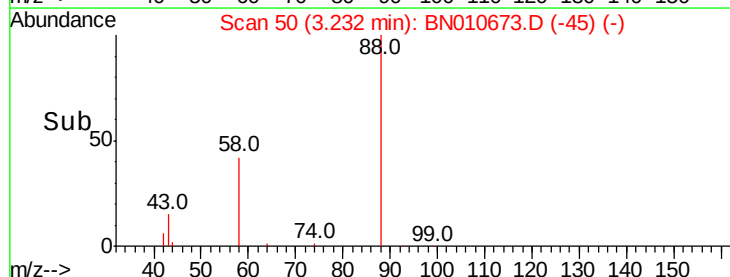
43 41.3 13.2 19.8#

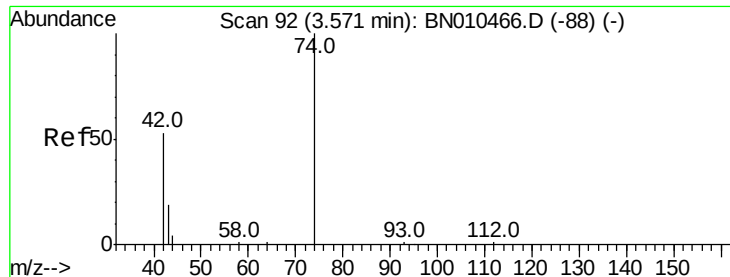


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.409 ng

RT: 3.55 min Scan# 90

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

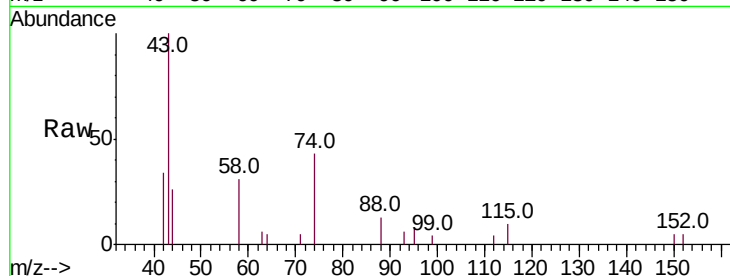
Tot Ion: 42 Resp: 621

Ion Ratio Lower Upper

42 100

74 190.2 162.2 243.4

44 7.2 2.4 3.6#

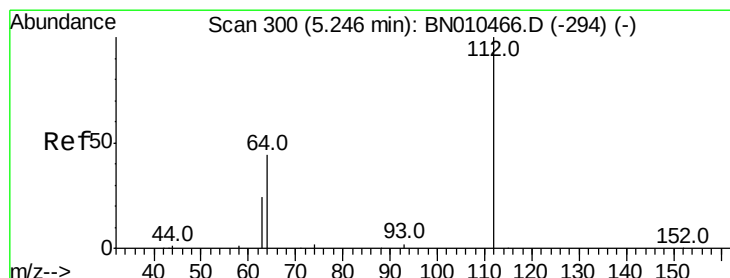
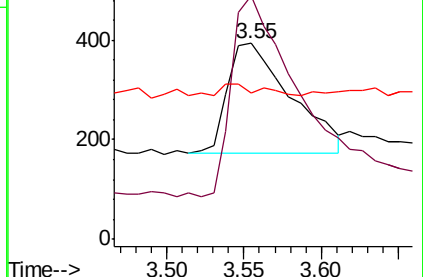
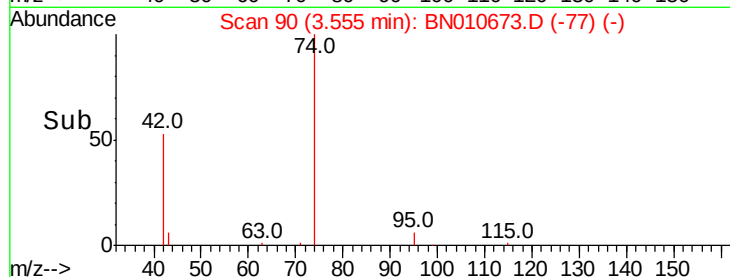


Abundance Ion 42.00 (41.70 to 42.70): BN010466.D (-88) (-)

Ion 74.00 (73.70 to 74.70): BN010466.D (-88) (-)

Ion 44.00 (43.70 to 44.70): BN010466.D (-88) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.317 ng

RT: 5.23 min Scan# 298

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

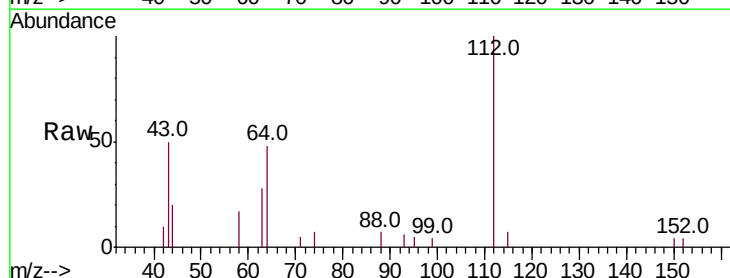
Tgt Ion: 112 Resp: 2212

Ion Ratio Lower Upper

112 100

64 46.3 35.8 53.8

63 25.3 19.9 29.9

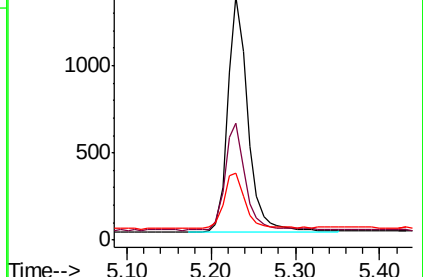
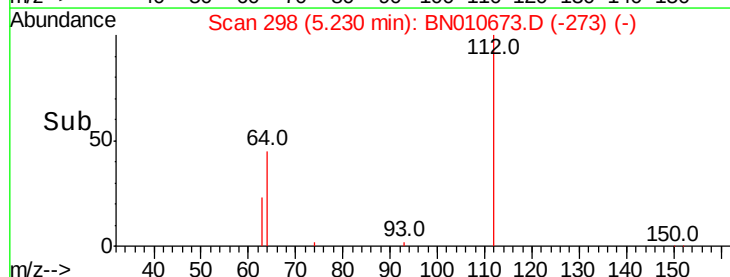


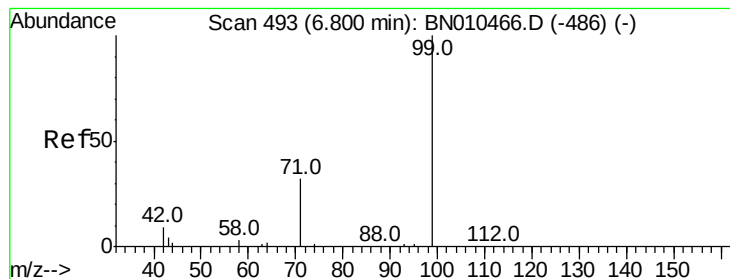
Abundance Ion 112.00 (111.70 to 112.70): BN010466.D (-294) (-)

Ion 64.00 (63.70 to 64.70): BN010466.D (-294) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-294) (-)

Time-->





#5

Phenol-d6

Concen: 0.297 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

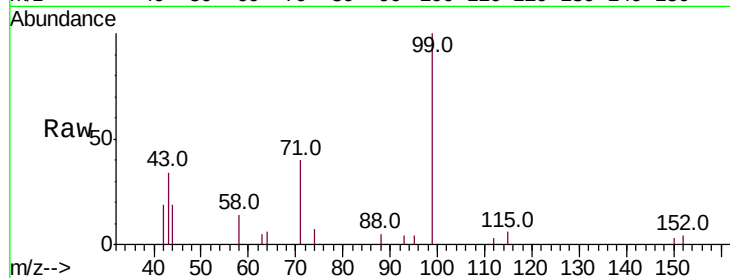
Tot Ion: 99 Resp: 2702

Ion Ratio Lower Upper

99 100

42 12.5 9.8 14.6

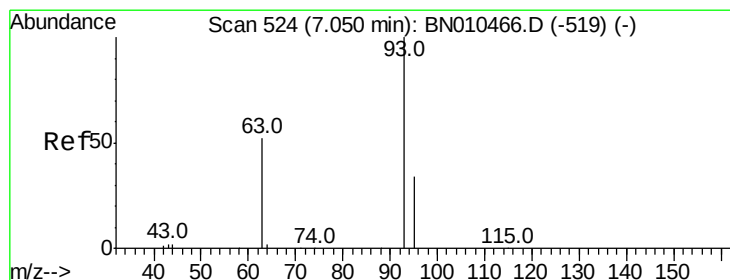
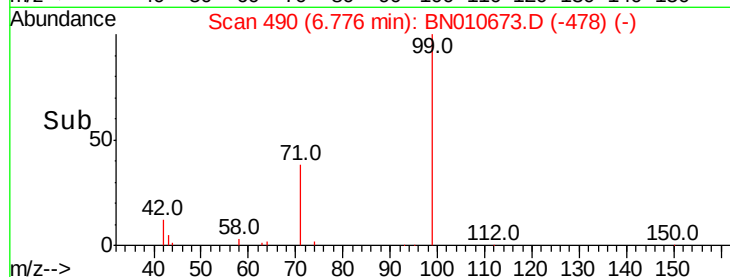
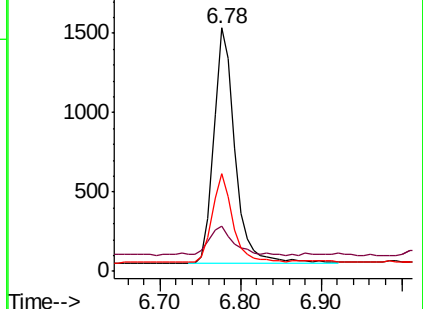
71 36.2 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.430 ng

RT: 7.03 min Scan# 521

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

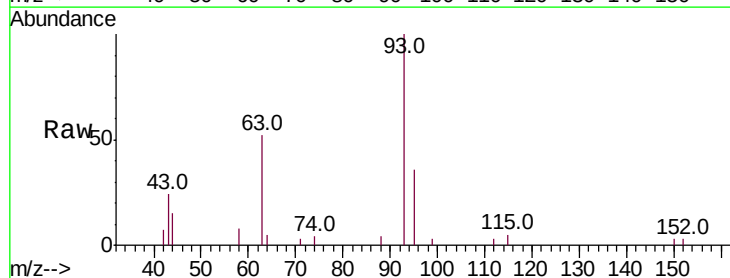
Tgt Ion: 93 Resp: 3393

Ion Ratio Lower Upper

93 100

63 57.6 44.6 66.8

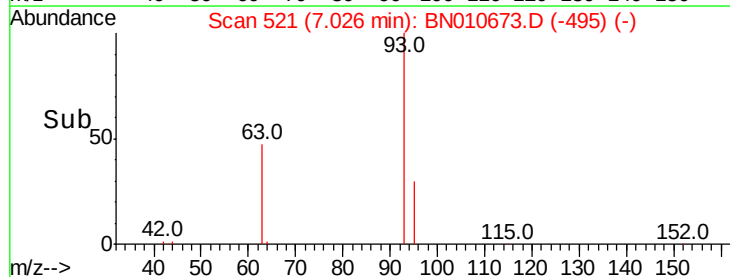
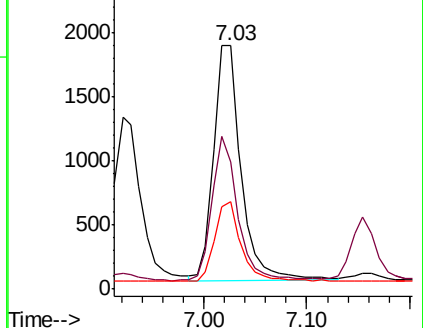
95 32.7 26.5 39.7

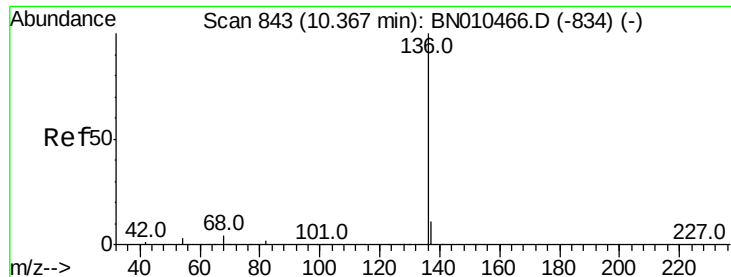


Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

Tot Ion:136 Resp: 12847

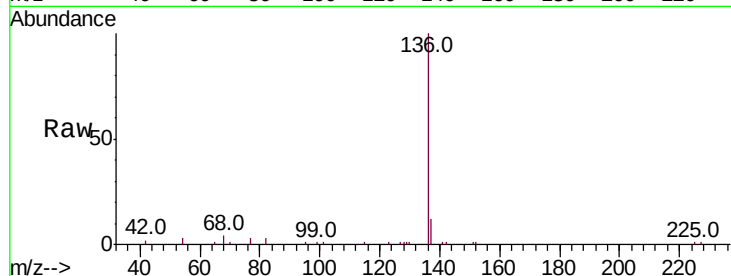
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 3.0 2.6 4.0

68 3.7 3.4 5.2

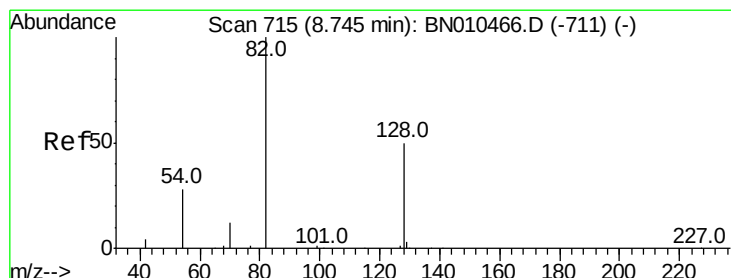
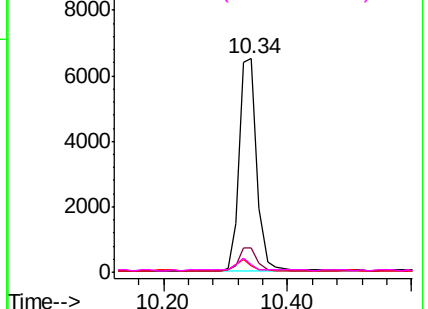
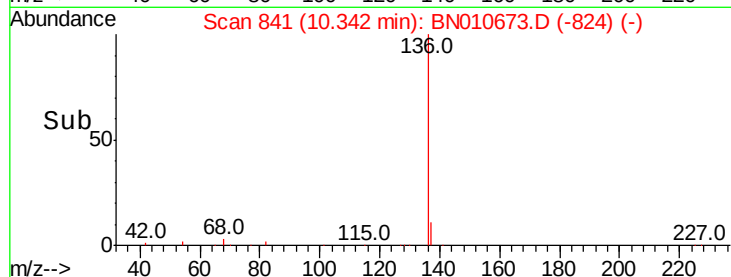


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.307 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

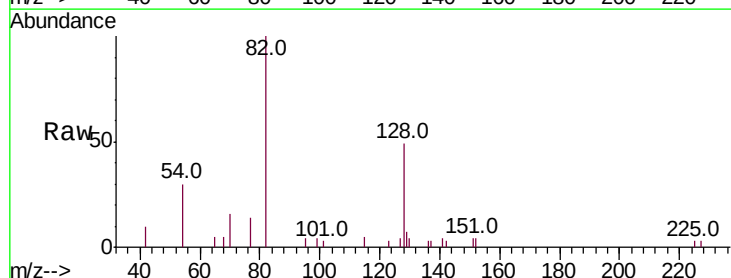
Tgt Ion: 82 Resp: 2753

Ion Ratio Lower Upper

82 100

128 49.4 41.3 61.9

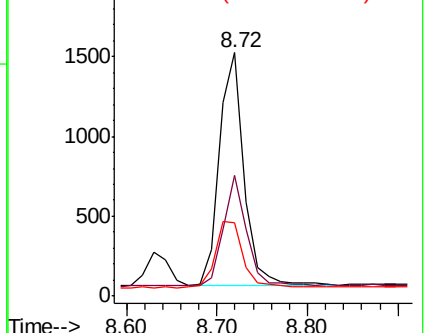
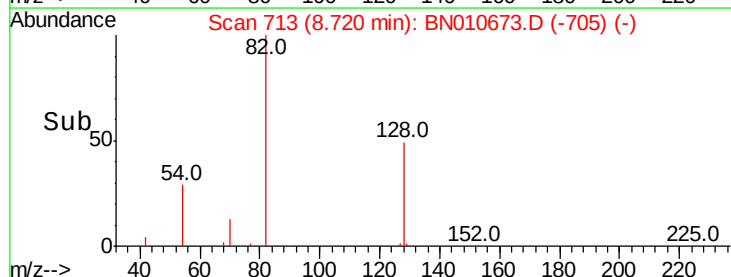
54 30.2 23.4 35.0

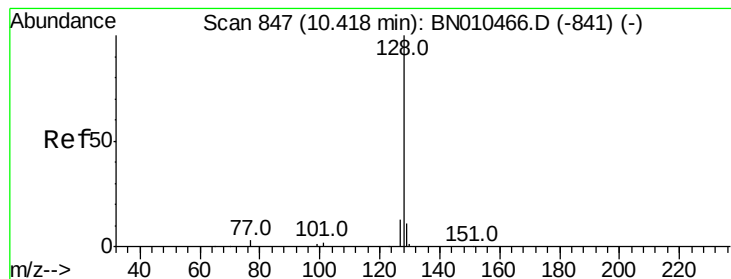


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.421 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

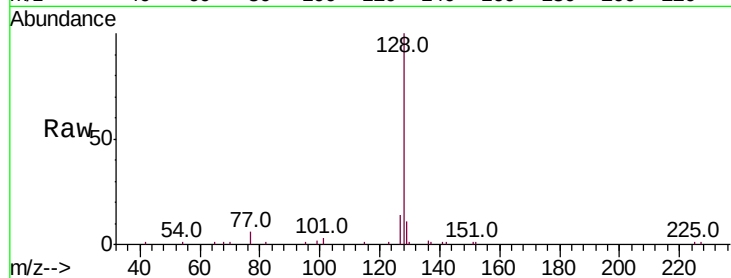
Tot Ion:128 Resp: 13439

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

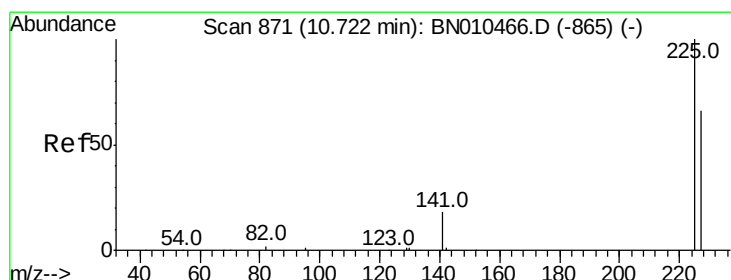
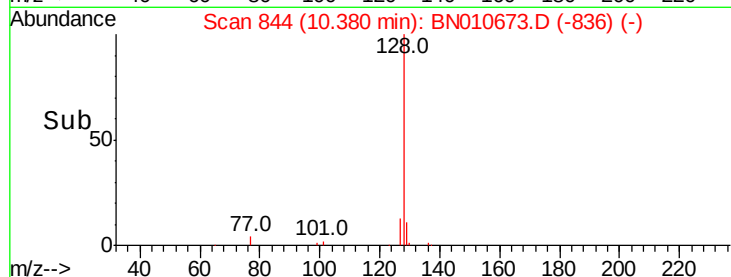
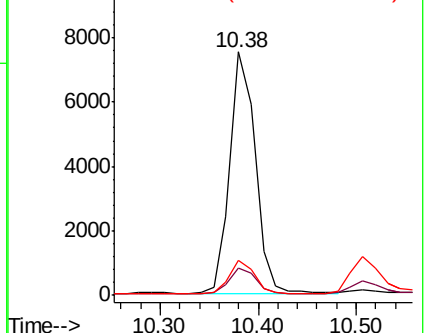
127 14.1 10.5 15.7



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: 0.375 ng

RT: 10.68 min Scan# 868

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

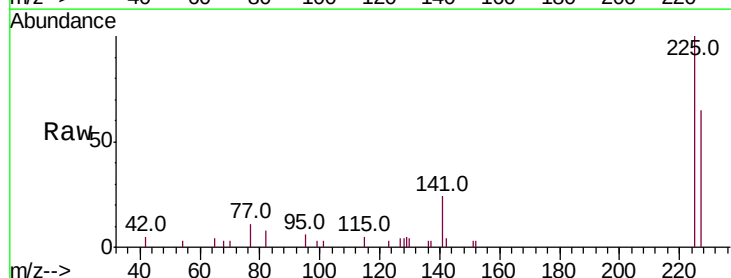
Tgt Ion:225 Resp: 2881

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

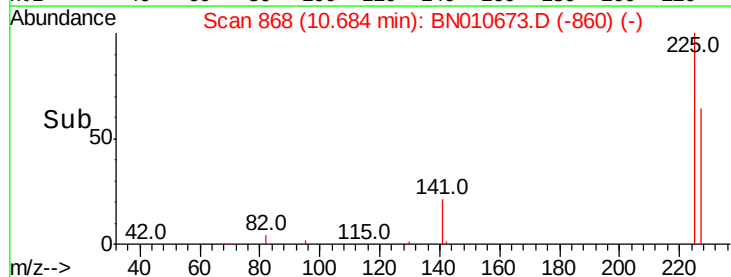
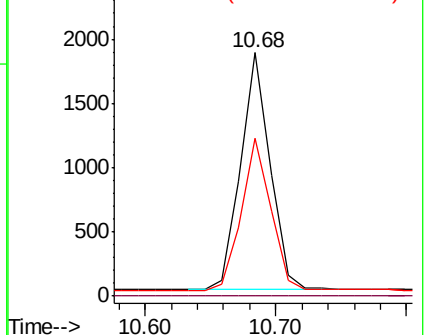
227 63.8 50.6 76.0

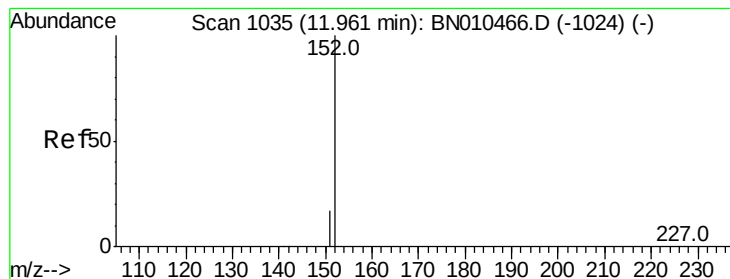


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.469 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

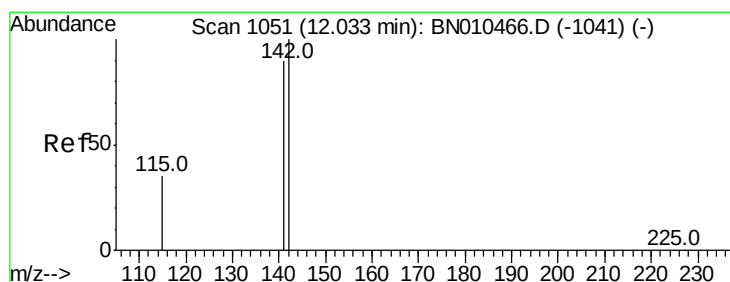
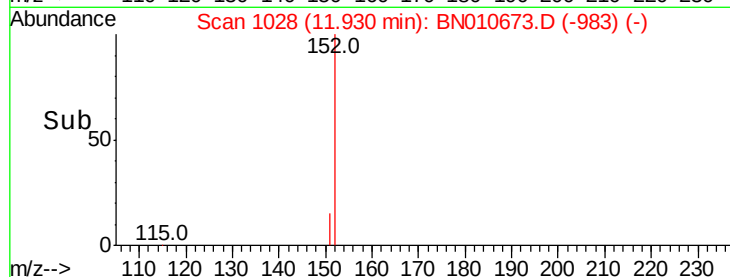
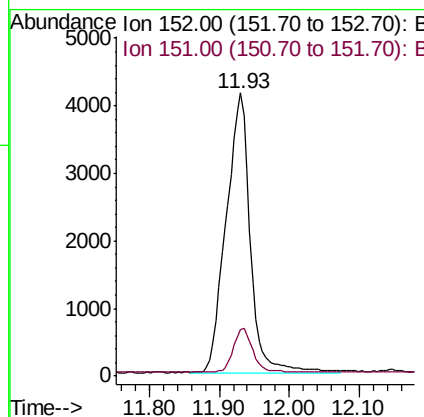
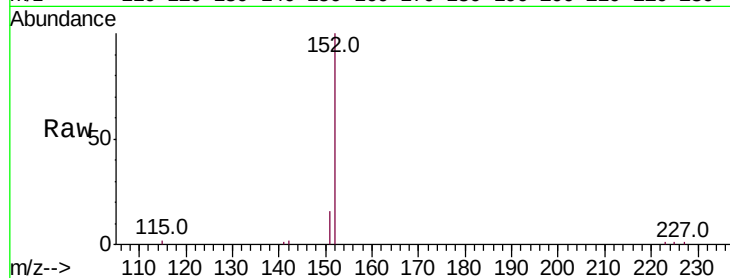
PB128575BS

Tot Ion:152 Resp: 9910

Ion Ratio Lower Upper

152 100

151 12.5 15.3 22.9#



#12

2-Methylnaphthalene

Concen: 0.426 ng

RT: 12.01 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

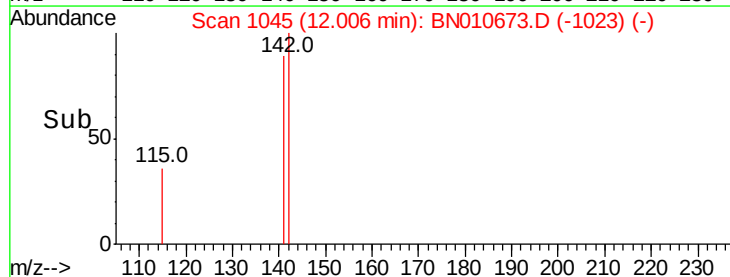
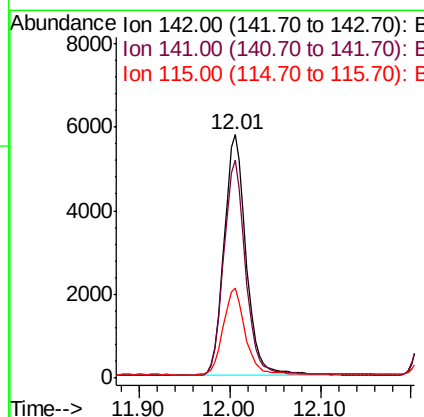
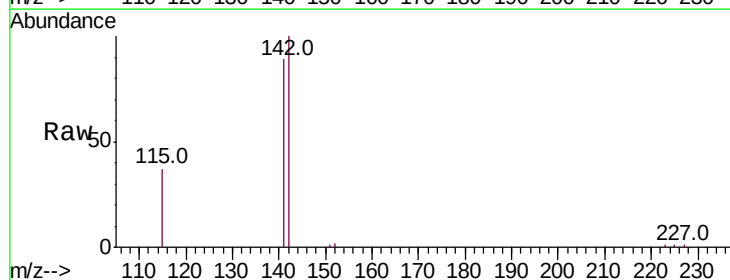
Tgt Ion:142 Resp: 9773

Ion Ratio Lower Upper

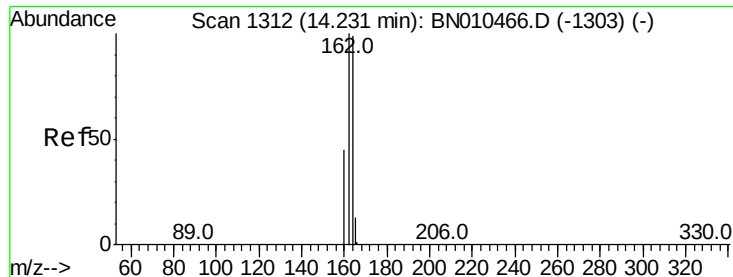
142 100

141 89.3 71.9 107.9

115 37.0 28.8 43.2







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

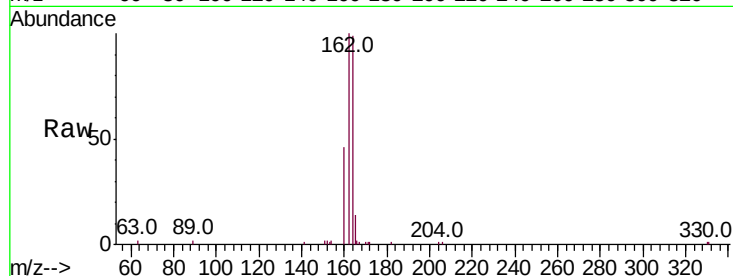
BNA\_N

ClientSampleId :

PB128575BS

Tot Ion:164 Resp: 8184

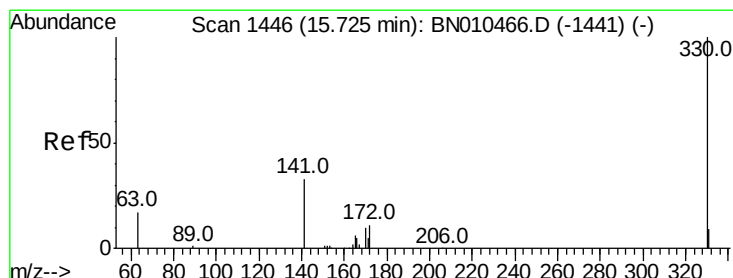
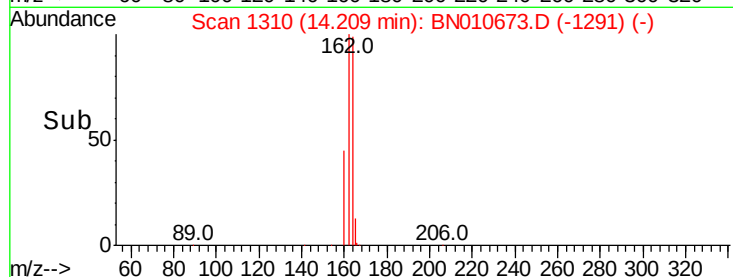
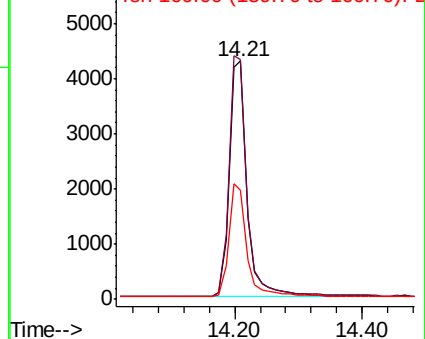
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.6 | 80.6  | 121.0 |
| 160 | 46.1  | 36.5  | 54.7  |



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: 0.219 ng

RT: 15.70 min Scan# 1444

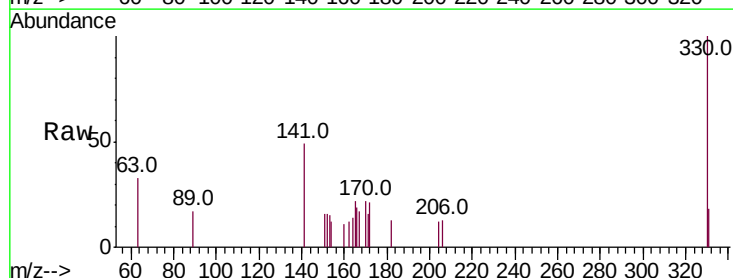
Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Tgt Ion:330 Resp: 845

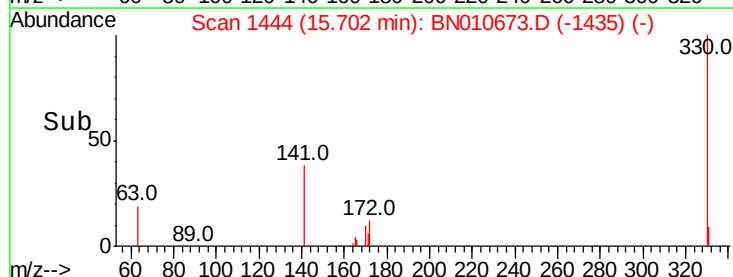
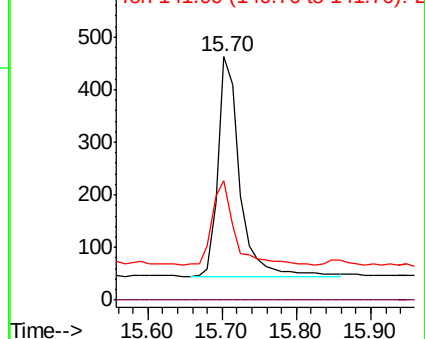
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 0.0   | 0.0   | 0.0   |
| 141 | 39.9  | 28.1  | 42.1  |

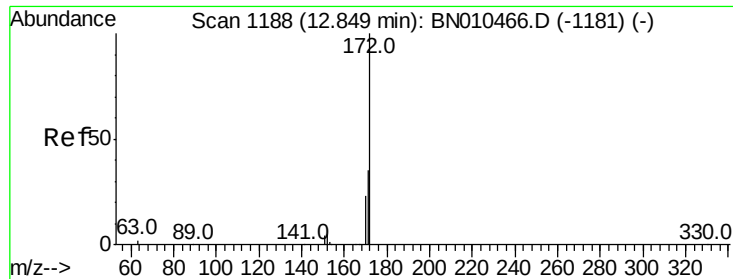


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

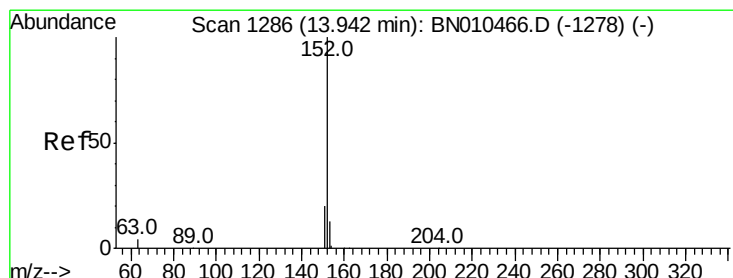
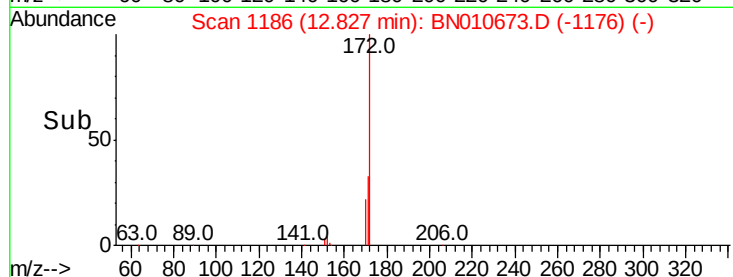
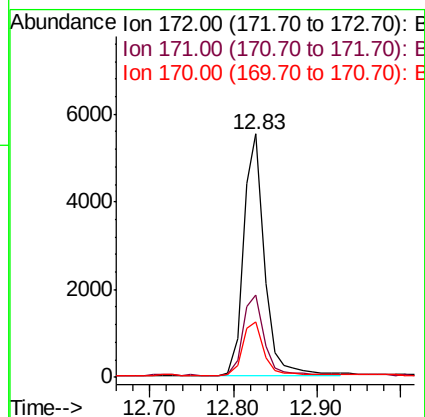
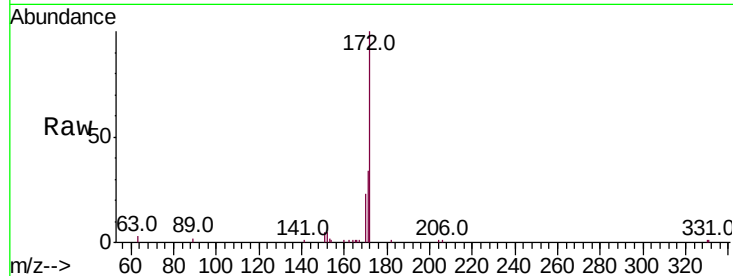




#15  
2-Fluorobiphenyl  
Concen: 0.317 ng  
RT: 12.83 min Scan# 1186  
Delta R.T. 0.01 min  
Lab File: BN010673.D  
Acq: 30 Apr 2020 14:26

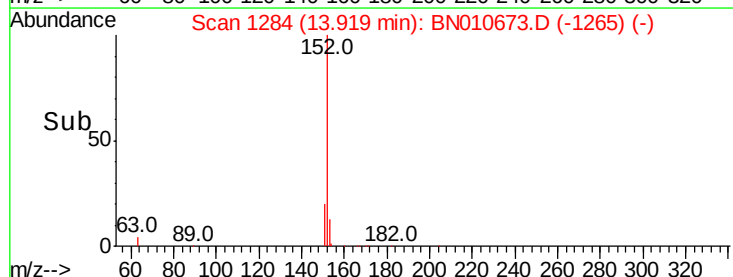
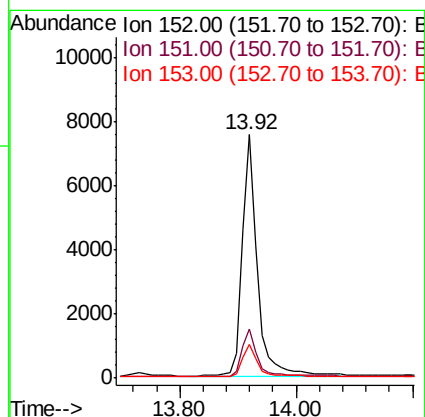
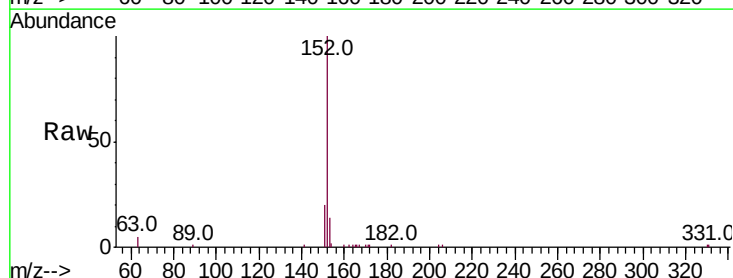
Instrument :  
BNA\_N  
ClientSampleId :  
PB128575BS

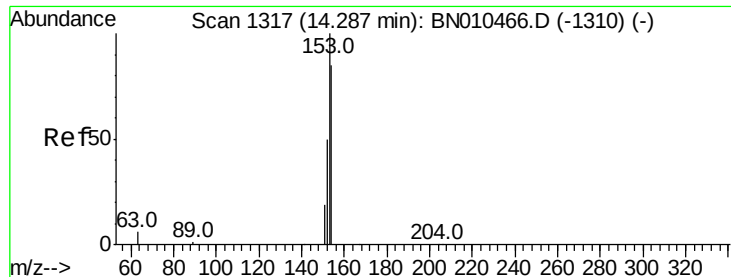
Tot Ion:172 Resp: 9429  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.2 42.2  
170 22.6 18.4 27.6



#16  
Acenaphthylene  
Concen: 0.388 ng  
RT: 13.92 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: BN010673.D  
Acq: 30 Apr 2020 14:26

Tgt Ion:152 Resp: 13728  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 13.4 10.6 15.8





#17

Acenaphthene

Concen: 0.407 ng

RT: 14.26 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

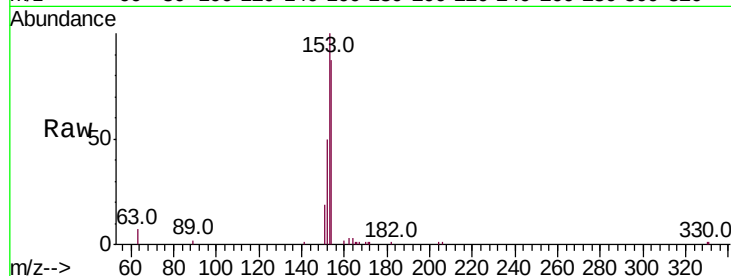
BNA\_N

ClientSampleId :

PB128575BS

Tot Ion:154 Resp: 9237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 113.4 | 91.0  | 136.4 |
| 152 | 56.3  | 44.6  | 67.0  |

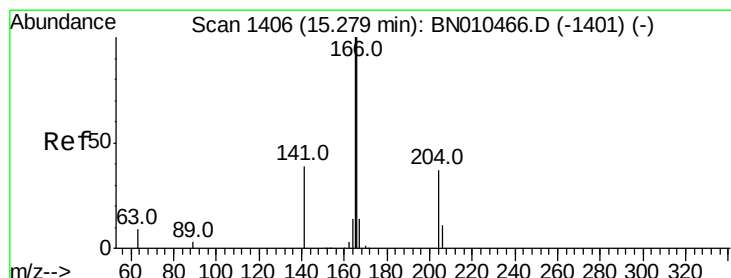
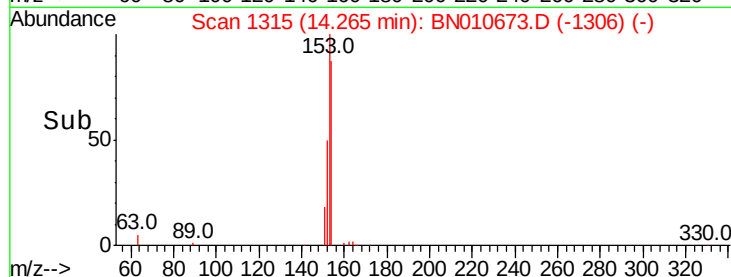
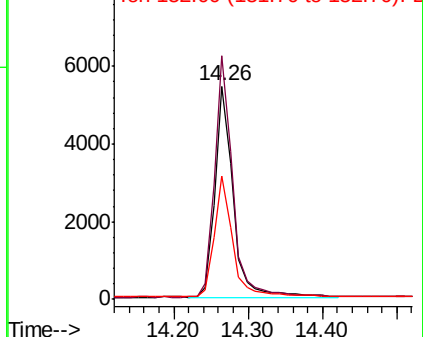


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.413 ng

RT: 15.26 min Scan# 1404

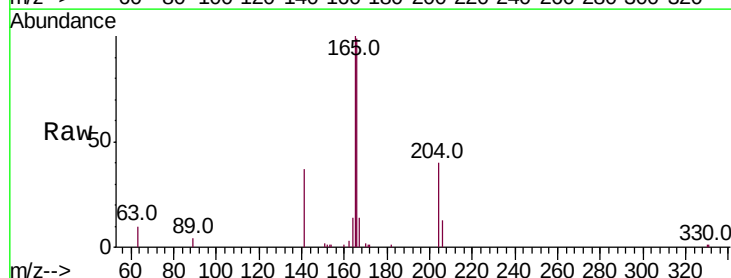
Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Tgt Ion:166 Resp: 12293

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.5  | 78.4  | 117.6 |
| 167 | 13.4  | 10.9  | 16.3  |

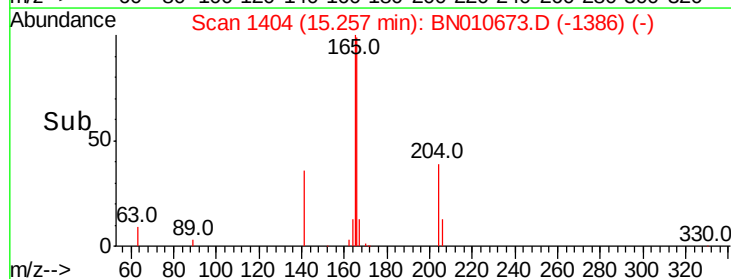
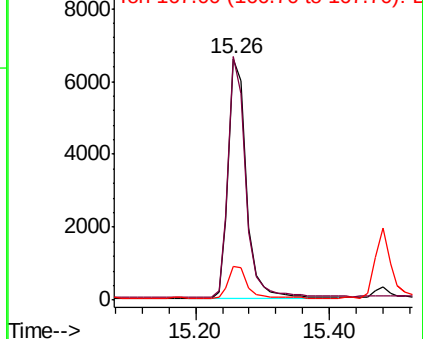


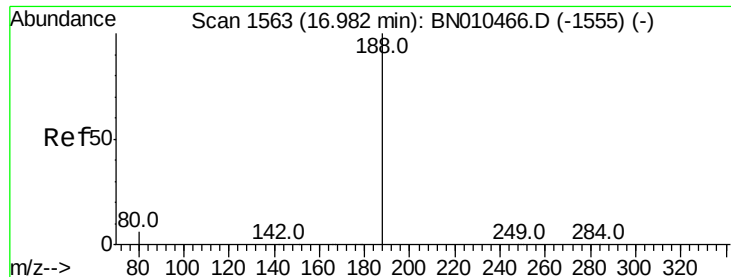
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

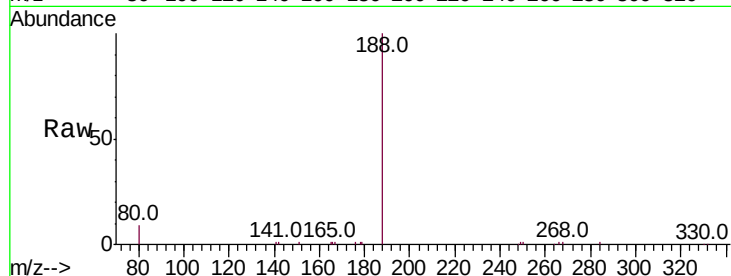
Tot Ion:188 Resp: 17464

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

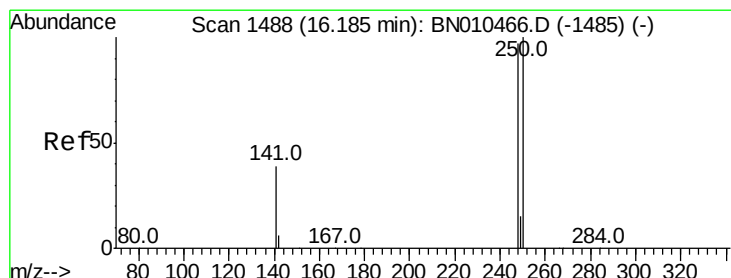
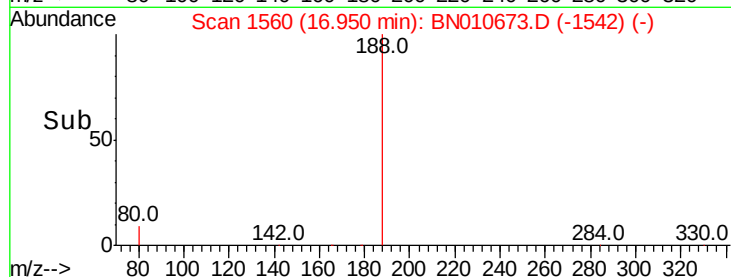
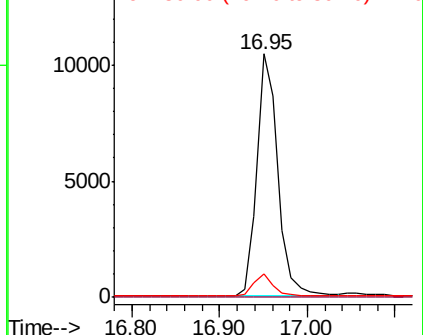
80 9.4 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.15 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

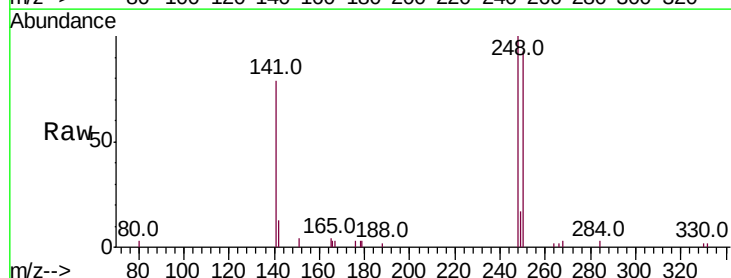
Tgt Ion:248 Resp: 3827

Ion Ratio Lower Upper

248 100

250 93.3 82.3 123.5

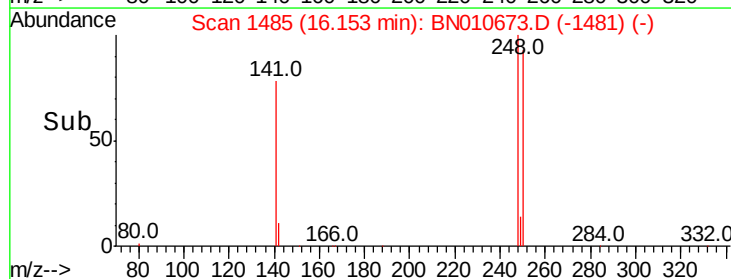
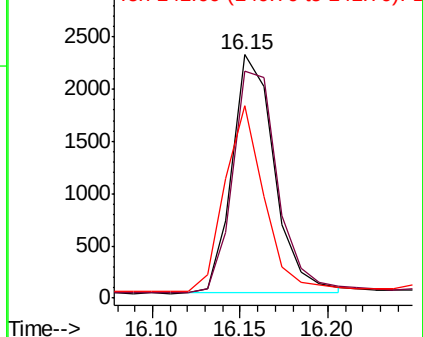
141 79.2 35.2 52.8#

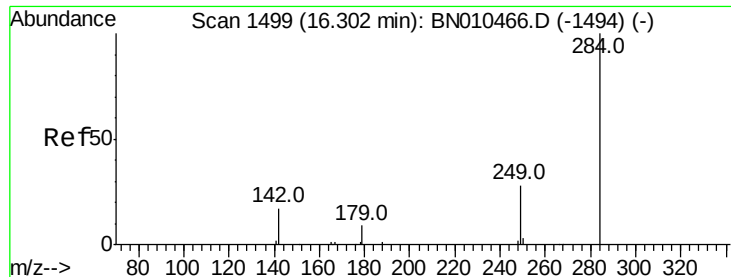


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.27 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

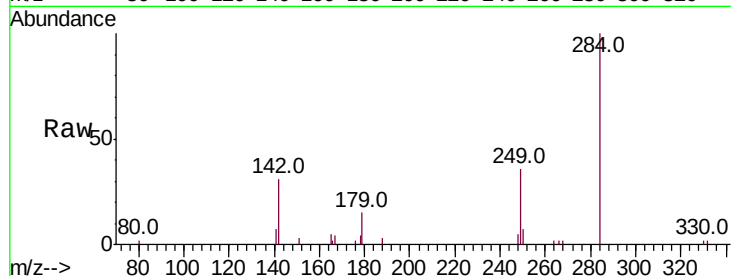
Tot Ion:284 Resp: 4598

Ion Ratio Lower Upper

284 100

142 33.8 25.5 38.3

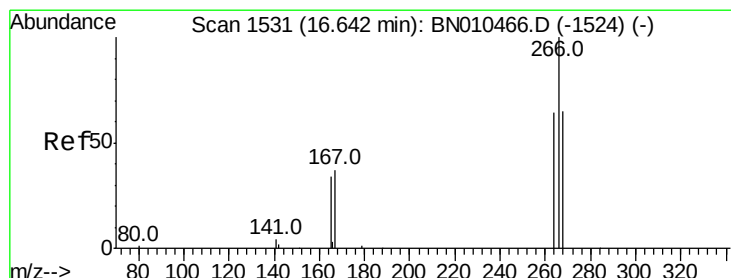
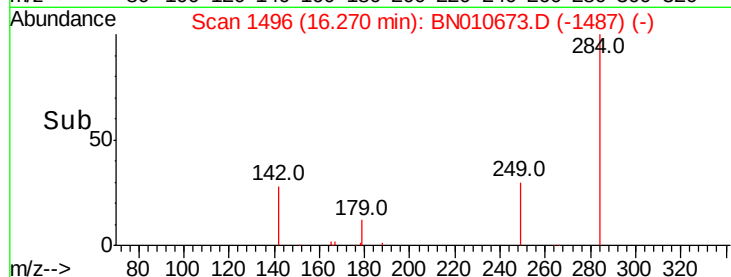
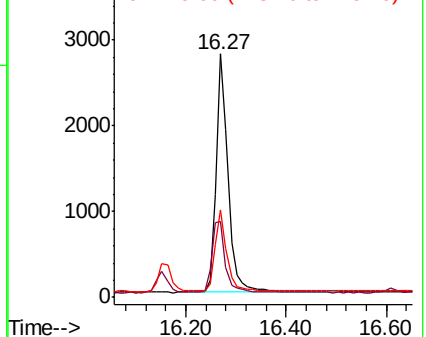
249 32.9 25.8 38.6



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: 0.794 ng

RT: 16.62 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

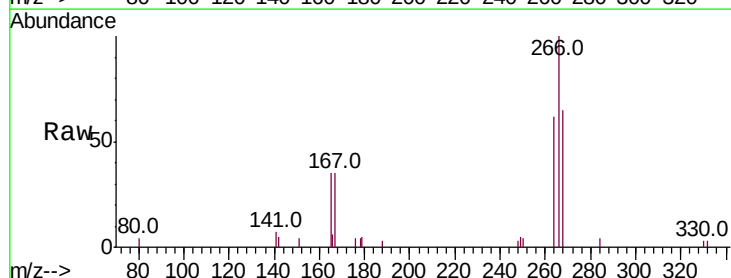
Tgt Ion:266 Resp: 3460

Ion Ratio Lower Upper

266 100

264 61.5 51.8 77.6

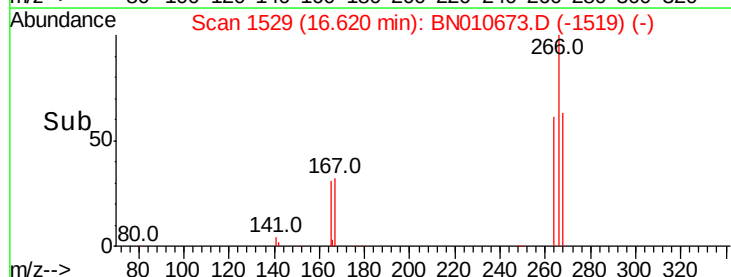
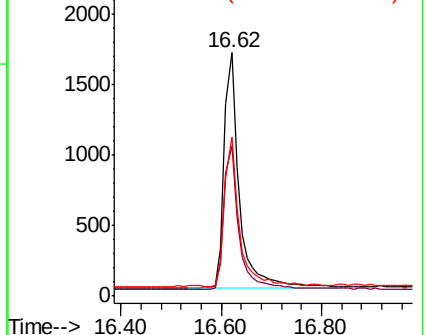
268 65.5 53.7 80.5

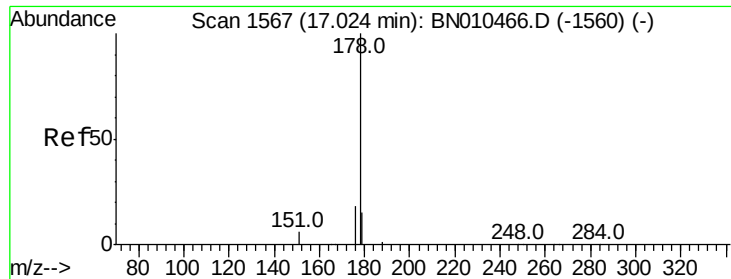


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.410 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

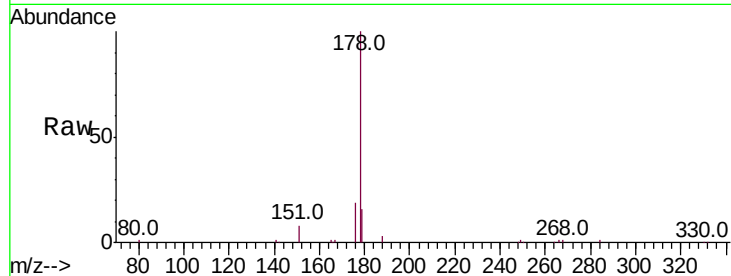
Tot Ion:178 Resp: 19356

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

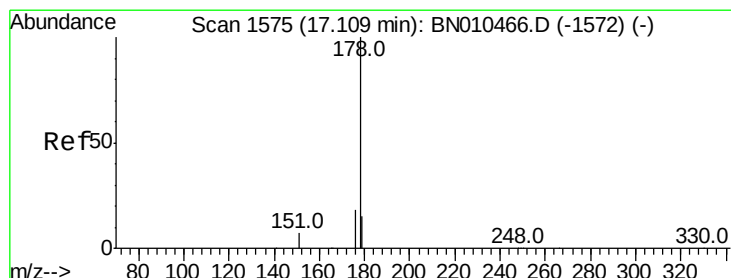
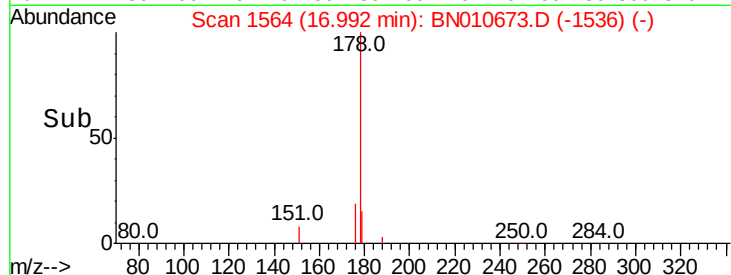
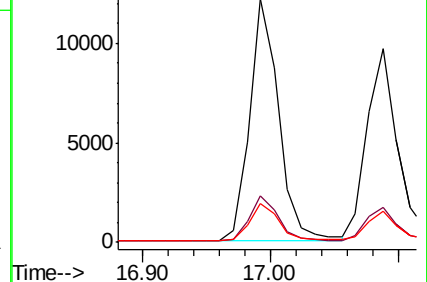
179 15.5 12.6 18.8



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: 0.380 ng

RT: 17.09 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

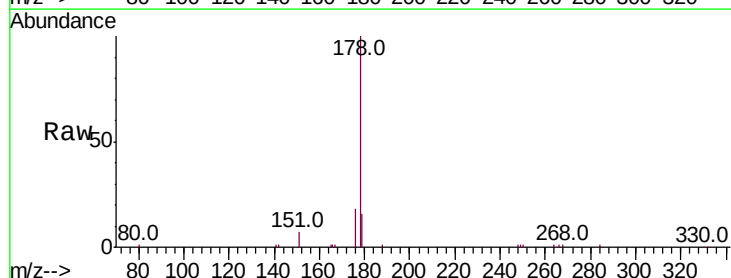
Tgt Ion:178 Resp: 16382

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

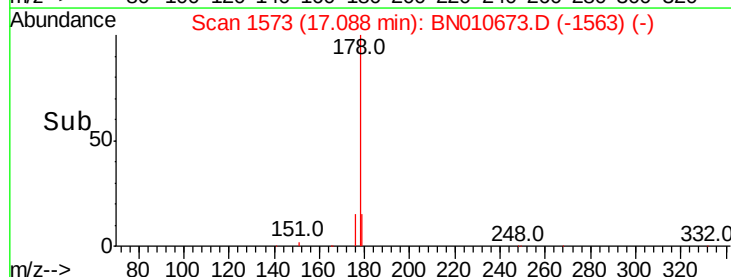
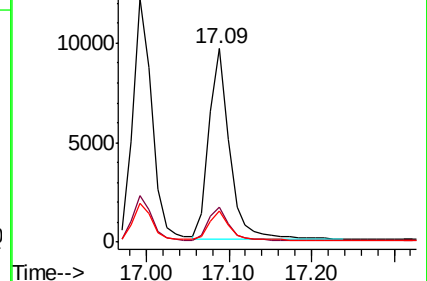
179 15.3 12.2 18.2

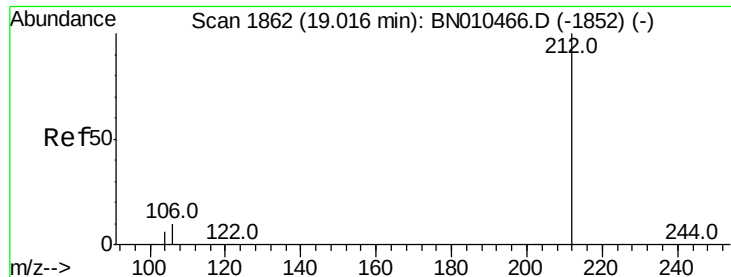


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.248 ng

RT: 18.99 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

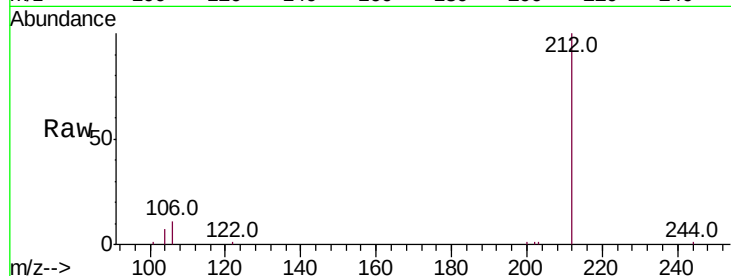
Tot Ion:212 Resp: 13134

Ion Ratio Lower Upper

212 100

106 9.9 7.8 11.6

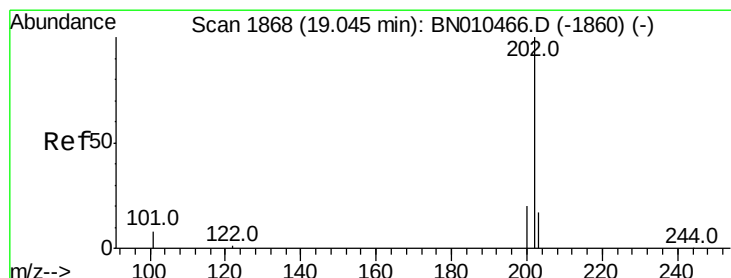
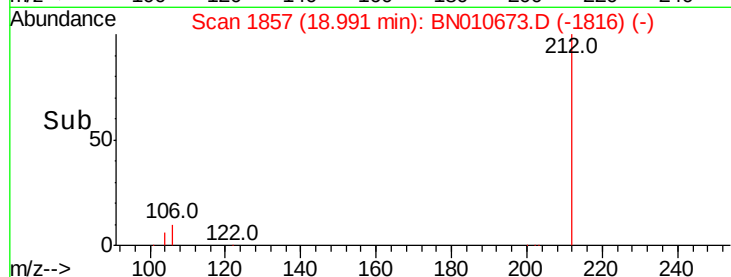
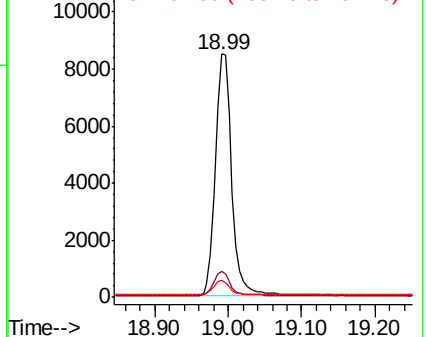
104 6.1 4.5 6.7



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: 0.351 ng

RT: 19.02 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

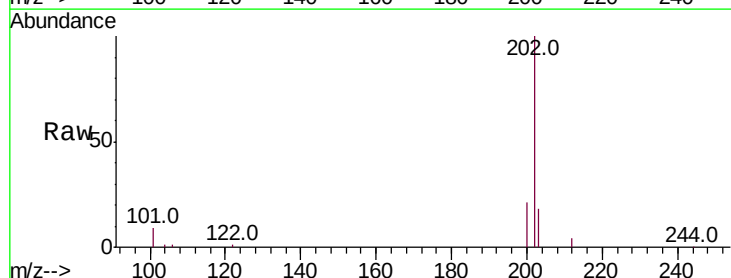
Tgt Ion:202 Resp: 20606

Ion Ratio Lower Upper

202 100

101 8.3 6.9 10.3

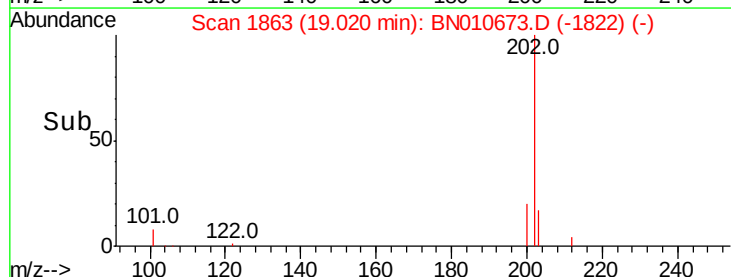
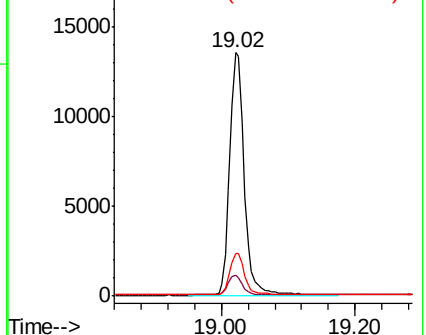
203 17.2 13.9 20.9

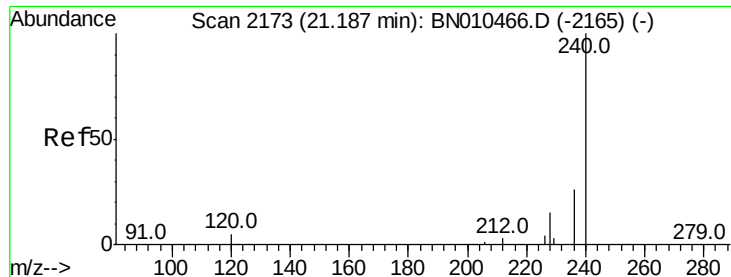


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

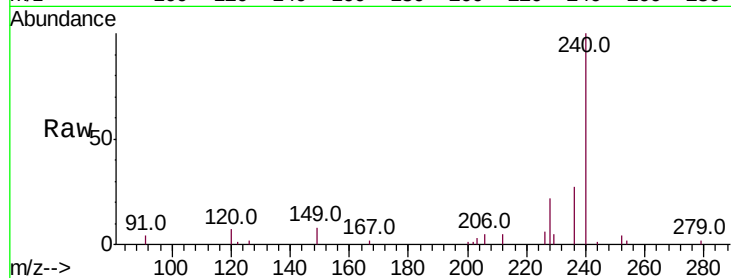




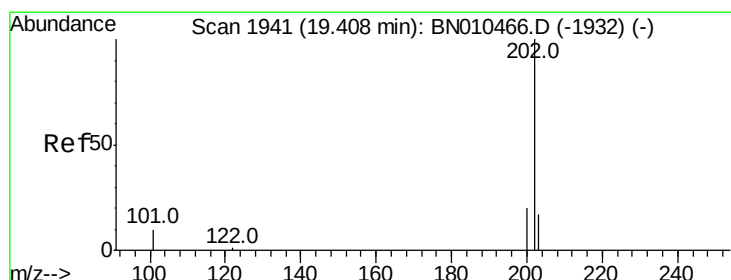
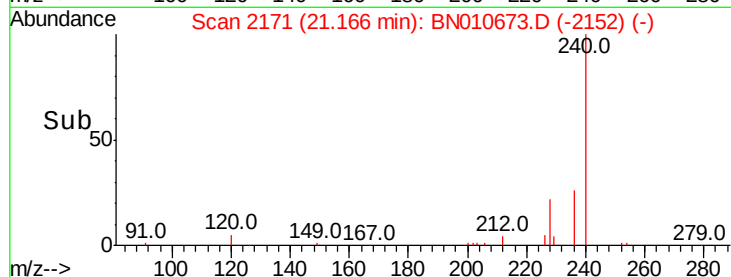
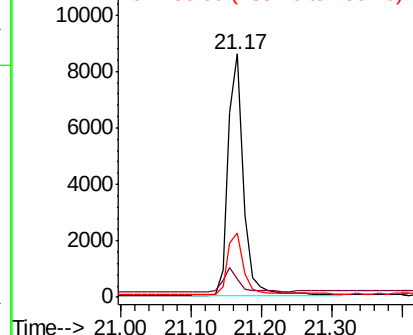
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.17 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: BN010673.D  
 Acq: 30 Apr 2020 14:26

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128575BS

Tot Ion:240 Resp: 13118  
 Ion Ratio Lower Upper  
 240 100  
 120 7.4 4.8 7.2#  
 236 26.6 21.4 32.0

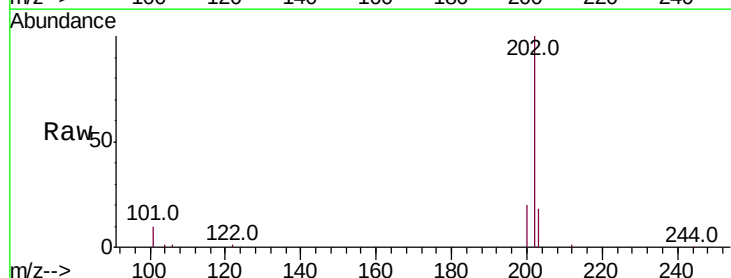


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

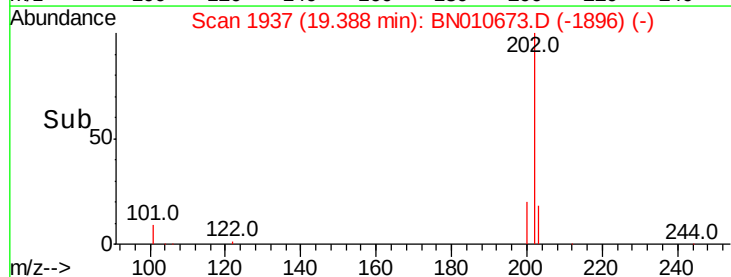
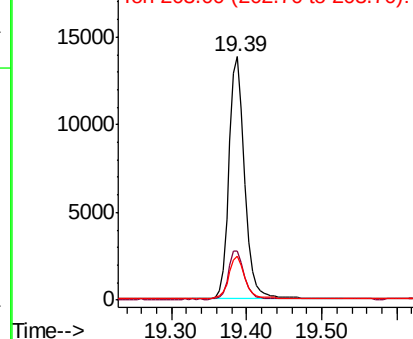


#28  
 Pyrene  
 Concen: 0.459 ng  
 RT: 19.39 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: BN010673.D  
 Acq: 30 Apr 2020 14:26

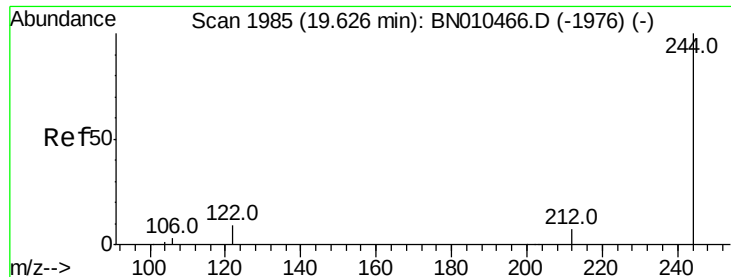
Tgt Ion:202 Resp: 20273  
 Ion Ratio Lower Upper  
 202 100  
 200 20.2 16.3 24.5  
 203 17.9 14.0 21.0



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: 0.336 ng

RT: 19.61 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

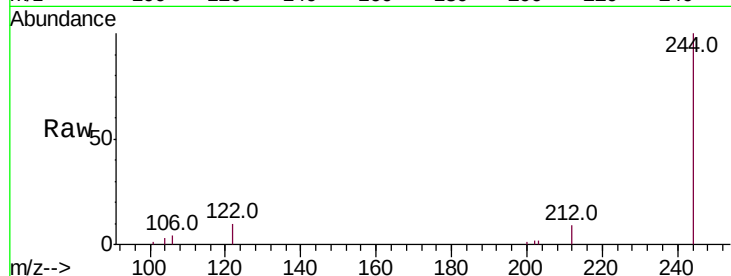
Tot Ion:244 Resp: 10077

Ion Ratio Lower Upper

244 100

212 8.7 6.2 9.4

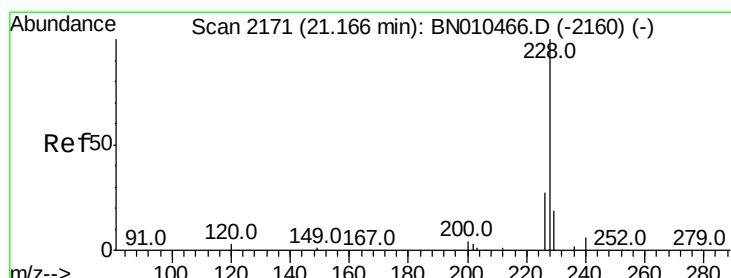
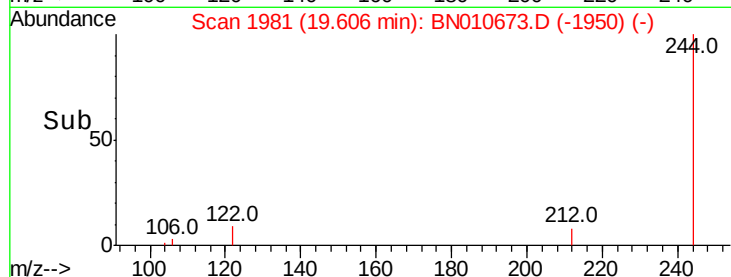
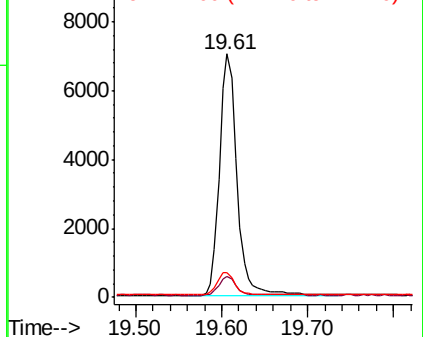
122 10.4 7.8 11.8



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: 0.375 ng

RT: 21.14 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

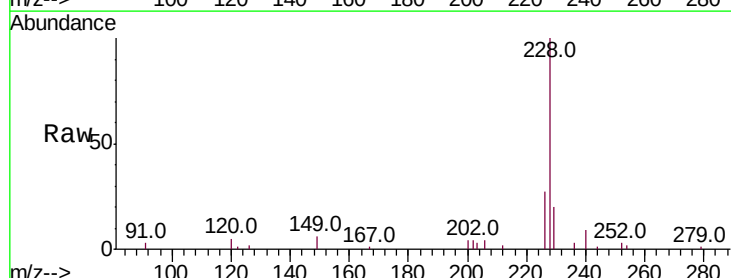
Tgt Ion:228 Resp: 16068

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

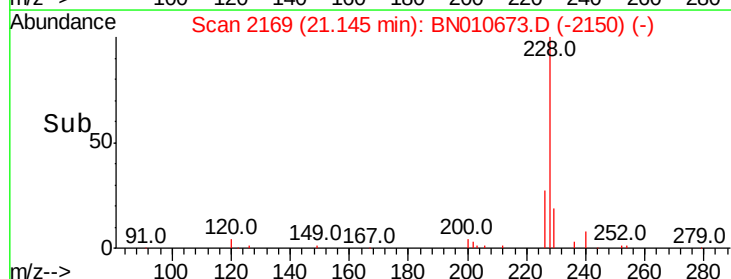
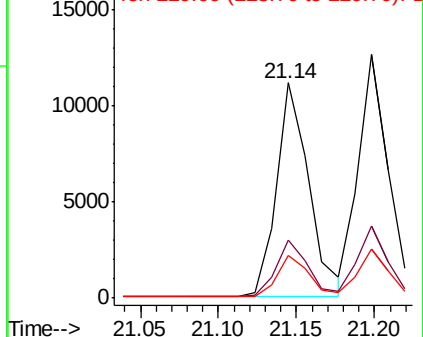
229 19.8 15.6 23.4

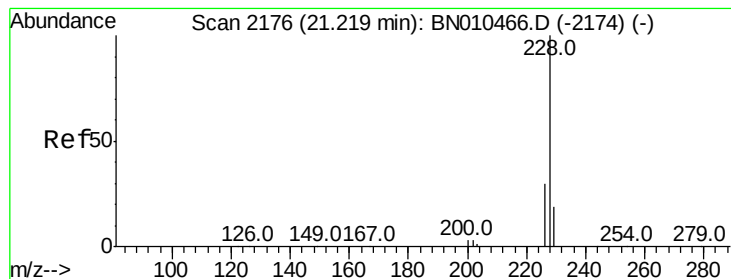


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.399 ng

RT: 21.20 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

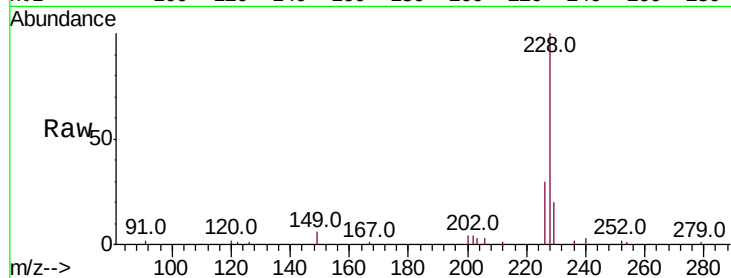
BNA\_N

ClientSampleId :

PB128575BS

Tot Ion:228 Resp: 17009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.6  | 24.0  | 36.0  |
| 229 | 20.0  | 15.8  | 23.6  |

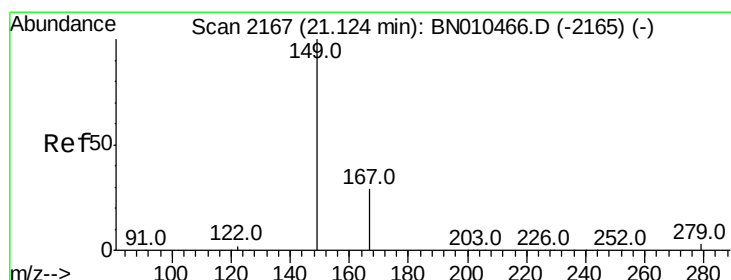
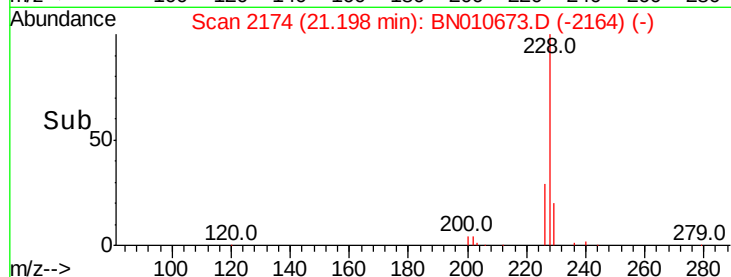
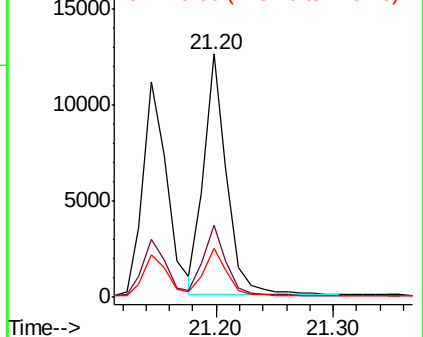


Abundance

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: 0.335 ng

RT: 21.10 min Scan# 2165

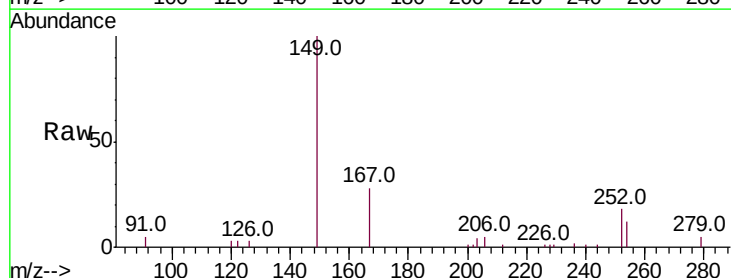
Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Tgt Ion:149 Resp: 7359

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.0  | 23.4  | 35.0  |
| 279 | 4.7   | 4.0   | 6.0   |

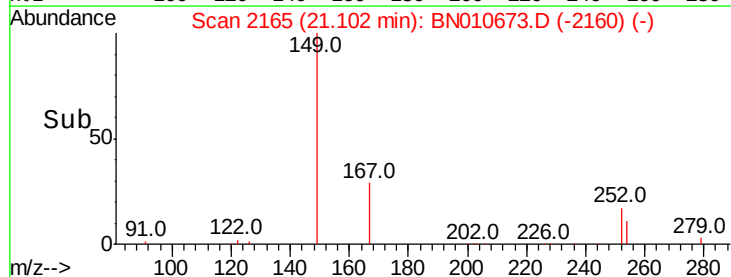
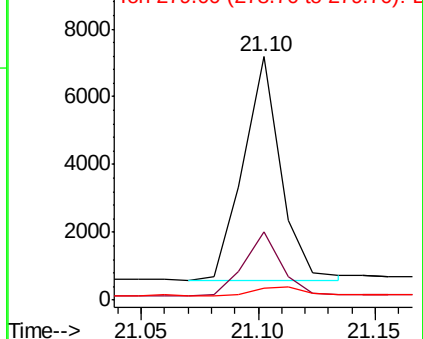


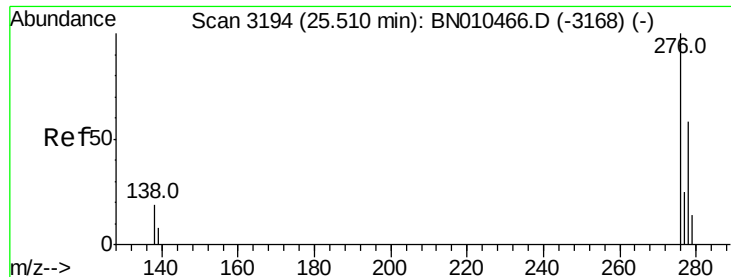
Abundance

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: 0.450 ng

RT: 25.47 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

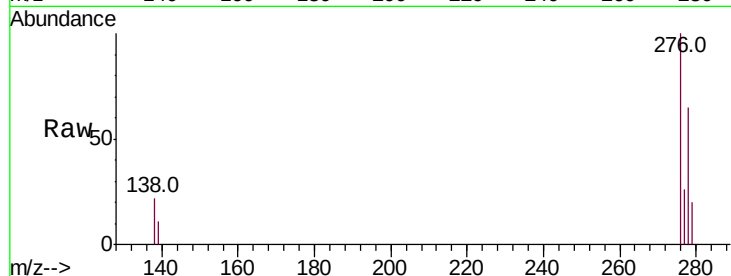
Tot Ion:276 Resp: 16955

Ion Ratio Lower Upper

276 100

138 20.4 16.4 24.6

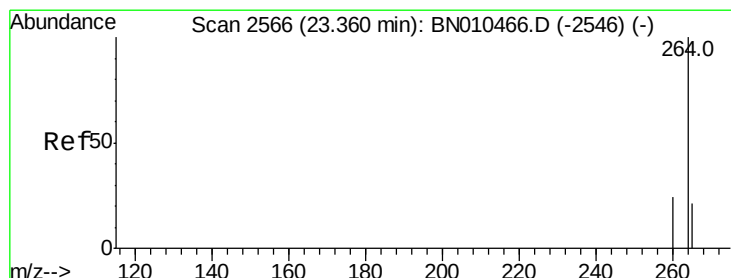
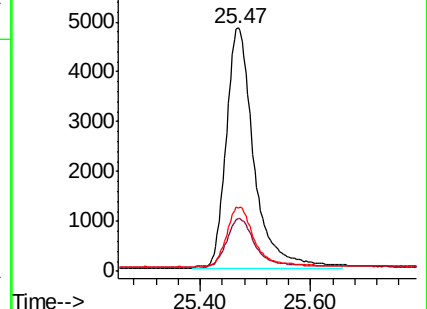
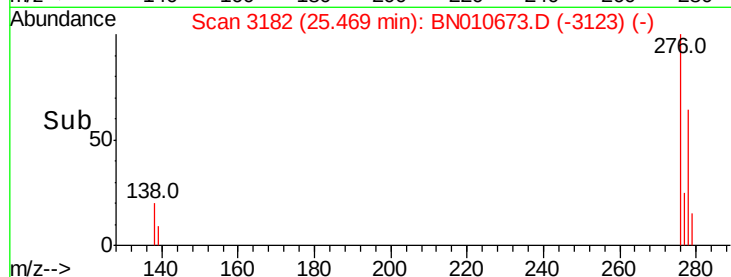
277 24.5 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.33 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

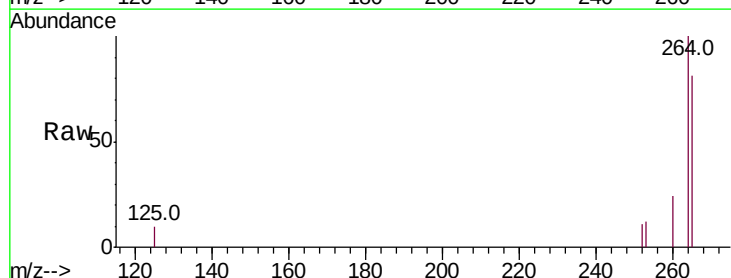
Tgt Ion:264 Resp: 11702

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.8

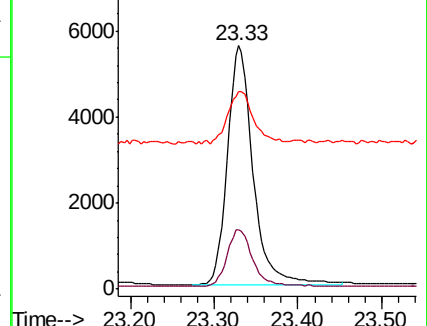
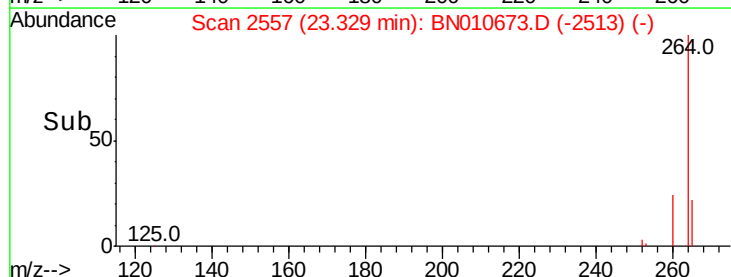
265 81.1 42.3 63.5#

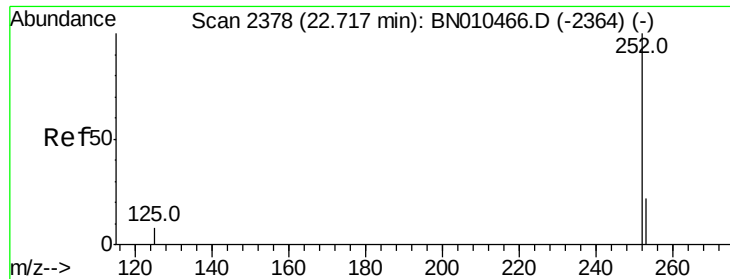


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.411 ng

RT: 22.69 min Scan# 2370

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

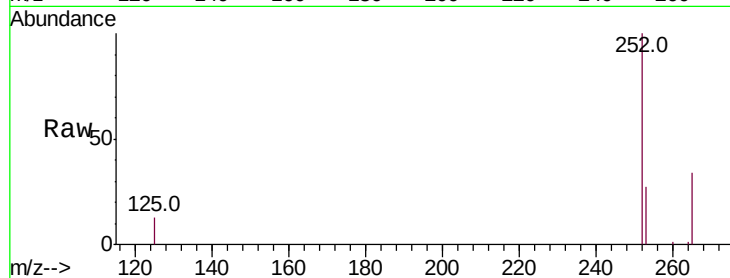
Tot Ion:252 Resp: 15831

Ion Ratio Lower Upper

252 100

253 27.3 20.2 30.4

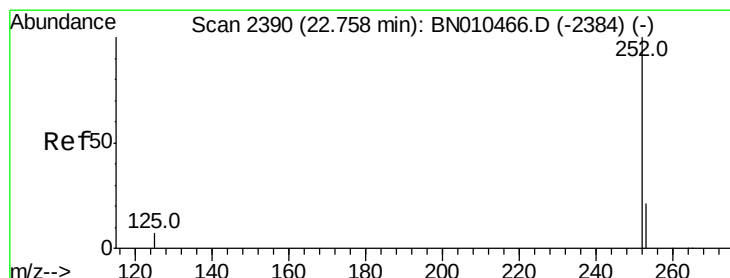
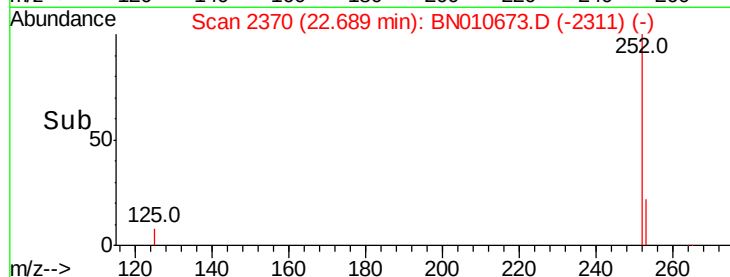
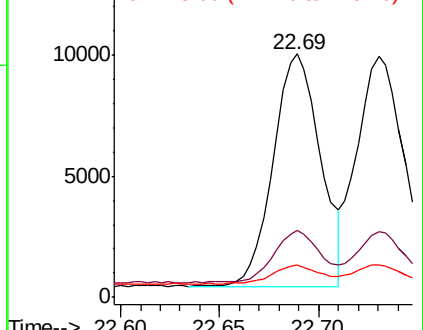
125 13.3 9.2 13.8



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



#36

Benzo(k)fluoranthene

Concen: 0.434 ng

RT: 22.73 min Scan# 2382

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

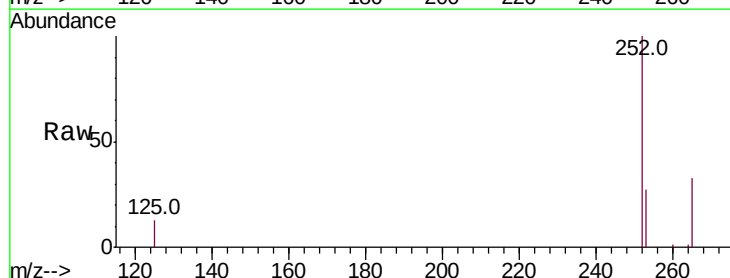
Tgt Ion:252 Resp: 16750

Ion Ratio Lower Upper

252 100

253 27.2 20.1 30.1

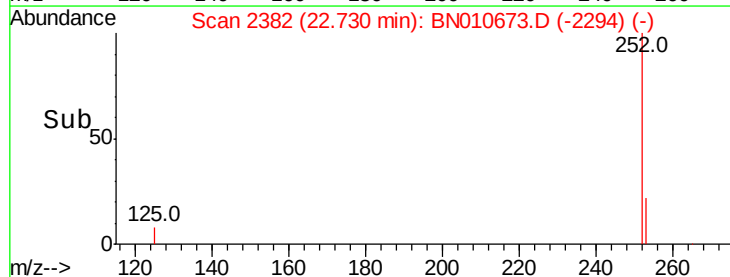
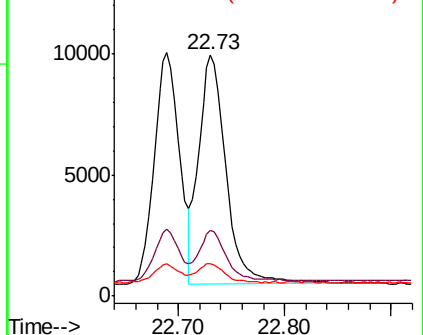
125 13.3 9.6 14.4

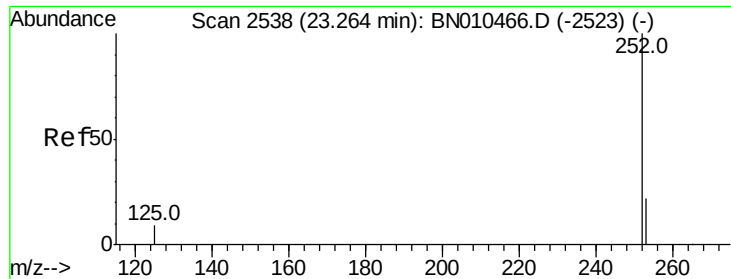


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.417 ng

RT: 23.24 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

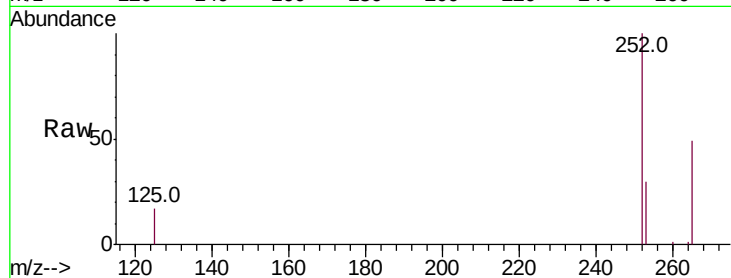
Tot Ion:252 Resp: 14215

Ion Ratio Lower Upper

252 100

253 29.9 21.8 32.8

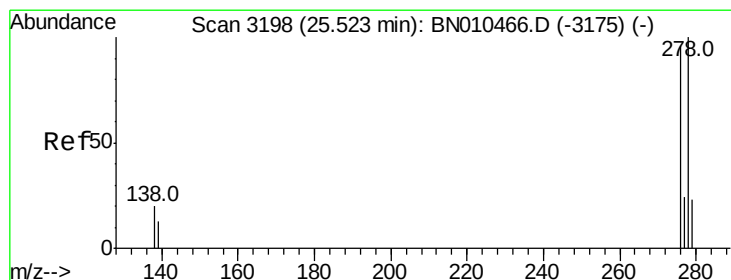
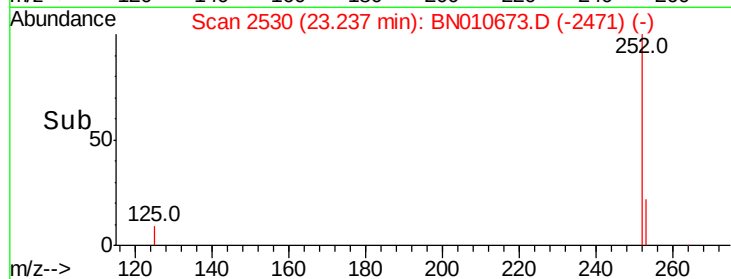
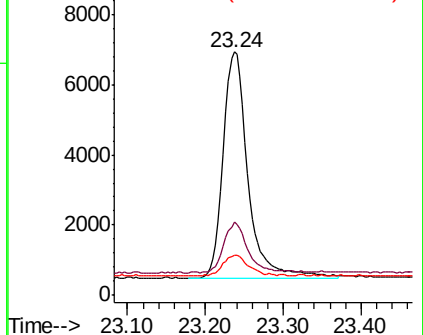
125 16.5 11.0 16.6



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: 0.437 ng

RT: 25.48 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

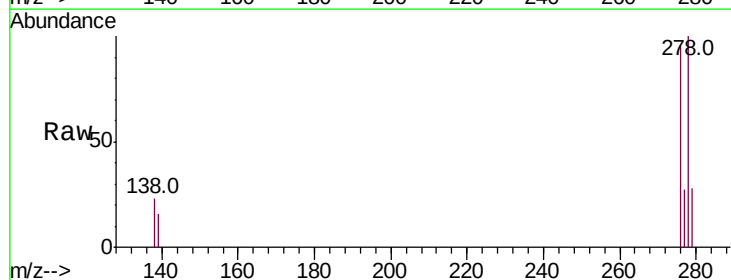
Tgt Ion:278 Resp: 13640

Ion Ratio Lower Upper

278 100

139 15.6 12.3 18.5

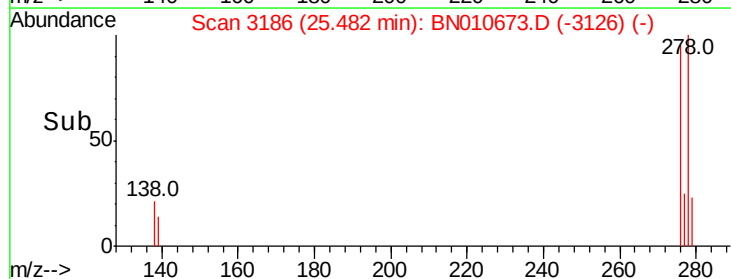
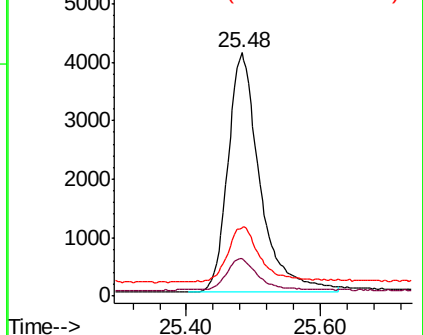
279 28.2 21.9 32.9

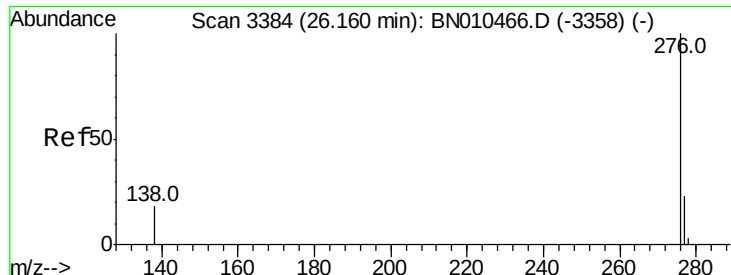


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.483 ng

RT: 26.11 min Scan# 3370

Delta R.T. 0.00 min

Lab File: BN010673.D

Acq: 30 Apr 2020 14:26

Instrument :

BNA\_N

ClientSampleId :

PB128575BS

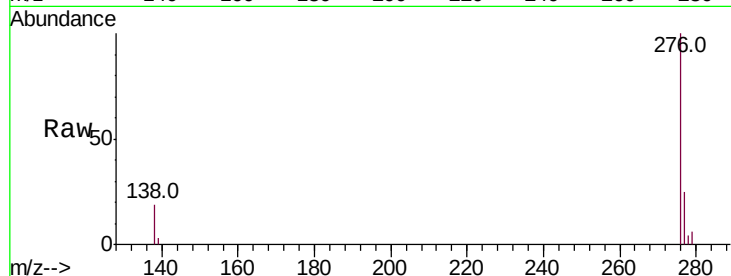
Tot Ion:276 Resp: 15173

Ion Ratio Lower Upper

276 100

277 24.9 20.2 30.2

138 19.4 15.4 23.2



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

