

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082420\  
 Data File : BN011607.D  
 Acq On : 24 Aug 2020 21:11  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN082420

Quant Time: Aug 25 03:39:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 25 03:31:11 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 1984     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.54 | 136  | 8659     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.40 | 164  | 5845     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.14 | 188  | 13757    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.33 | 240  | 14960    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12          | 23.59 | 264  | 14600    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.35  | 112 | 2500  | 0.39 | ng | 0.00  |
| 5) Phenol-d6                | 6.92  | 99  | 3609  | 0.40 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.89  | 82  | 2908  | 0.39 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152 | 6069  | 0.37 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 1243  | 0.39 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 8590  | 0.38 | ng | -0.01 |
| 27) Fluoranthene-d10        | 19.17 | 212 | 16203 | 0.36 | ng | 0.00  |
| 31) Terphenyl-d14           | 19.78 | 244 | 14451 | 0.38 | ng | 0.00  |

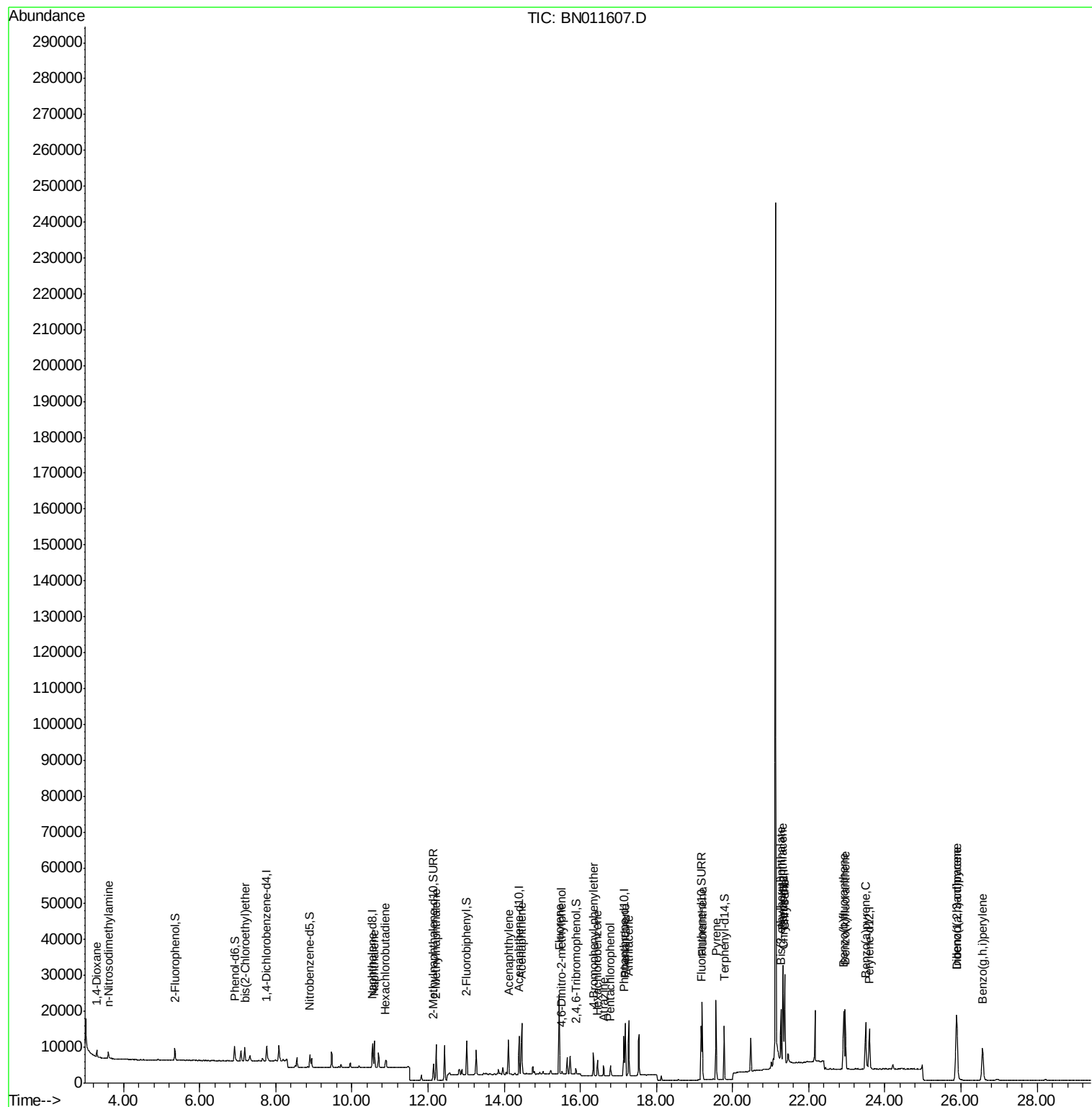
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 1244  | 0.404  | ng | # 1   |
| 3) n-Nitrosodimethylamine      | 3.60  | 42  | 1282  | 0.396  | ng | # 95  |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93  | 2545  | 0.399  | ng | 98    |
| 9) Naphthalene                 | 10.59 | 128 | 9182  | 0.373  | ng | 97    |
| 10) Hexachlorobutadiene        | 10.88 | 225 | 1922  | 0.373  | ng | # 98  |
| 12) 2-Methylnaphthalene        | 12.21 | 142 | 6840  | 0.377  | ng | 97    |
| 16) Acenaphthylene             | 14.12 | 152 | 11262 | 0.366  | ng | 99    |
| 17) Acenaphthene               | 14.46 | 154 | 7284  | 0.373  | ng | 98    |
| 18) Fluorene                   | 15.45 | 166 | 9474  | 0.375  | ng | 100   |
| 20) 4,6-Dinitro-2-methylphenol | 15.51 | 198 | 573   | 0.361  | ng | 88    |
| 21) 4-Bromophenyl-phenylether  | 16.34 | 248 | 2939  | 0.366  | ng | 88    |
| 22) Hexachlorobenzene          | 16.44 | 284 | 3465  | 0.373  | ng | 99    |
| 23) Atrazine                   | 16.60 | 200 | 2229  | 0.281  | ng | 97    |
| 24) Pentachlorophenol          | 16.79 | 266 | 1496  | 0.365  | ng | 97    |
| 25) Phenanthrene               | 17.18 | 178 | 15723 | 0.368  | ng | 100   |
| 26) Anthracene                 | 17.27 | 178 | 15377 | 0.365  | ng | 100   |
| 28) Fluoranthene               | 19.20 | 202 | 19078 | 0.368  | ng | 100   |
| 30) Pyrene                     | 19.56 | 202 | 19651 | 0.370  | ng | 100   |
| 32) Benzo(a)anthracene         | 21.31 | 228 | 20265 | 0.376  | ng | 98    |
| 33) Chrysene                   | 21.36 | 228 | 19390 | 0.377  | ng | 99    |
| 34) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 12673 | 0.334  | ng | 97    |
| 35) Indeno(1,2,3-cd)pyrene     | 25.88 | 276 | 23107 | 0.368  | ng | # 100 |
| 37) Benzo(b)fluoranthene       | 22.92 | 252 | 19891 | 0.376  | ng | 98    |
| 38) Benzo(k)fluoranthene       | 22.96 | 252 | 19867 | 0.378  | ng | 98    |
| 39) Benzo(a)pyrene             | 23.49 | 252 | 18449 | 0.374  | ng | 98    |
| 40) Dibenzo(a,h)anthracene     | 25.89 | 278 | 19242 | 0.373  | ng | 97    |
| 41) Benzo(g,h,i)perylene       | 26.56 | 276 | 18627 | 0.372  | ng | 98    |

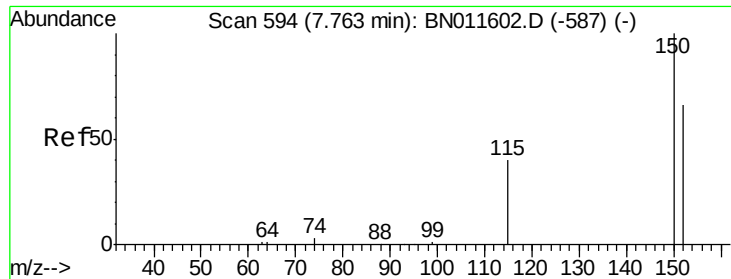
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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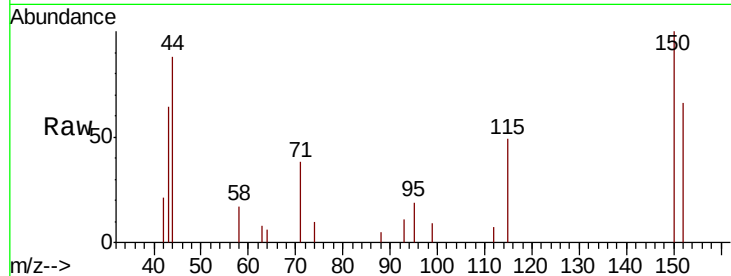


#1

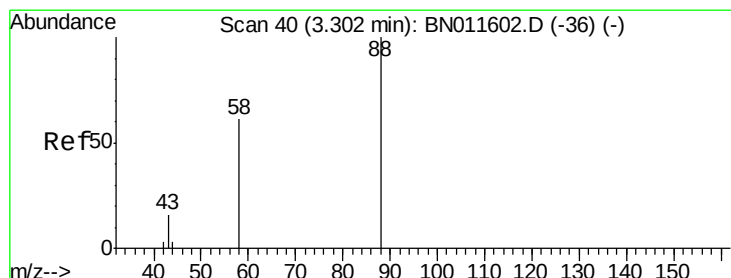
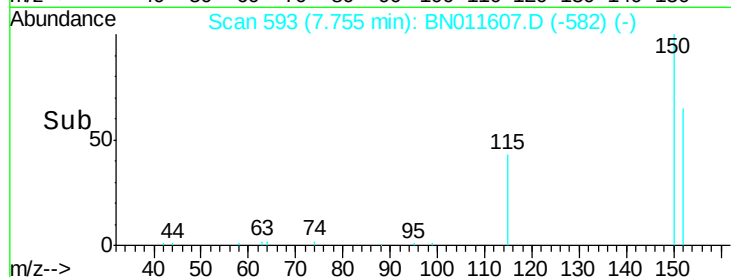
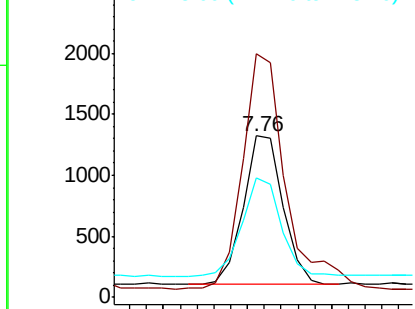
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 593  
Delta R.T. -0.01 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN082420

Tot Ion:152 Resp: 1984  
Ion Ratio Lower Upper  
152 100  
150 150.9 112.4 168.6  
115 74.4 56.9 85.3



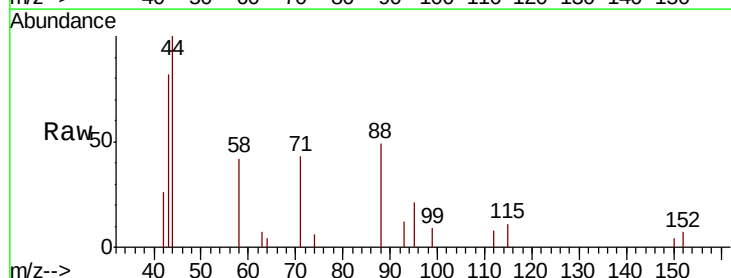
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



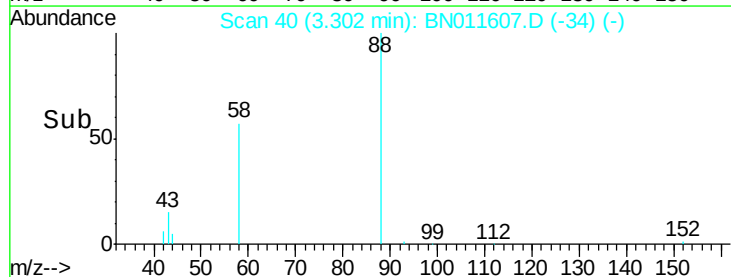
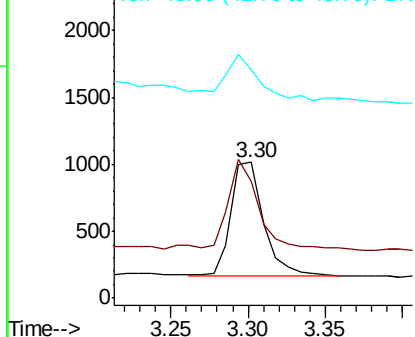
#2

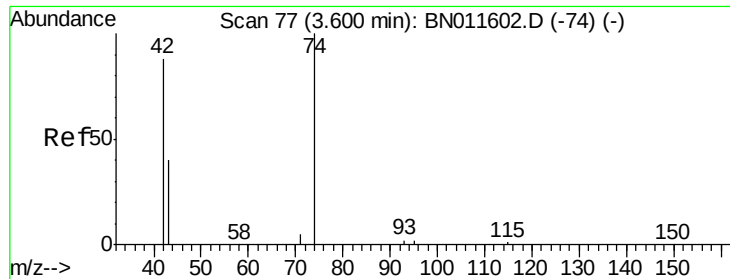
1,4-Dioxane  
Concen: 0.404 ng  
RT: 3.30 min Scan# 40  
Delta R.T. 0.00 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

Tgt Ion: 88 Resp: 1244  
Ion Ratio Lower Upper  
88 100  
58 71.6 3.0 4.4#  
43 43.2 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.396 ng

RT: 3.60 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

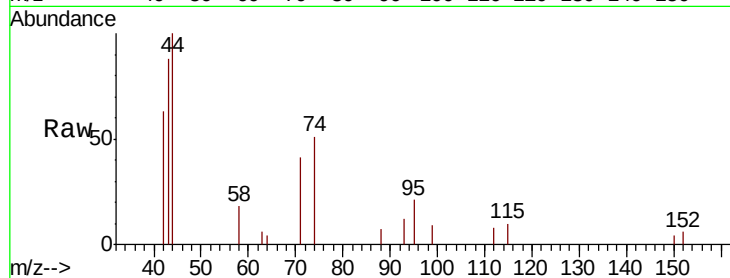
Tot Ion: 42 Resp: 1282

Ion Ratio Lower Upper

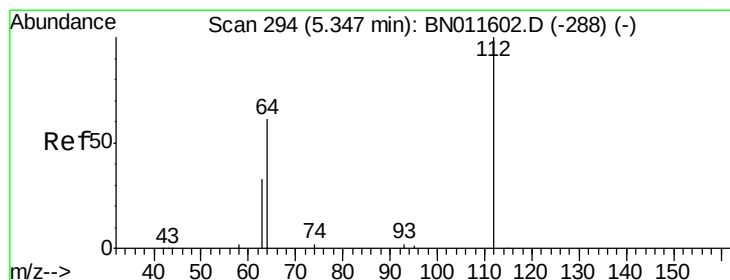
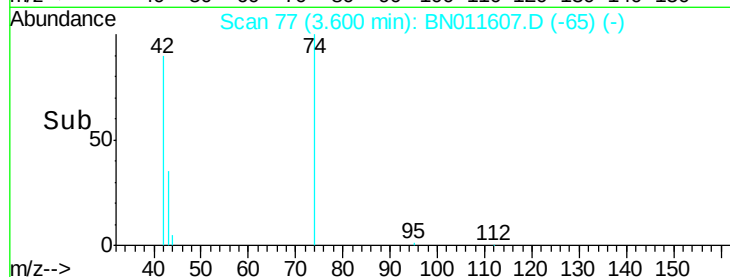
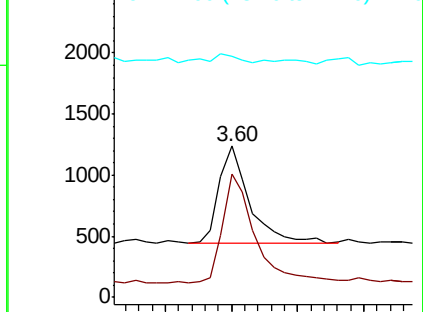
42 100

74 116.9 0.0 0.0#

44 8.6 8.2 12.4



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.394 ng

RT: 5.35 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

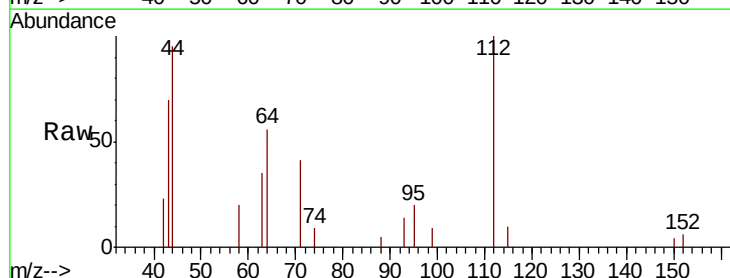
Tgt Ion: 112 Resp: 2500

Ion Ratio Lower Upper

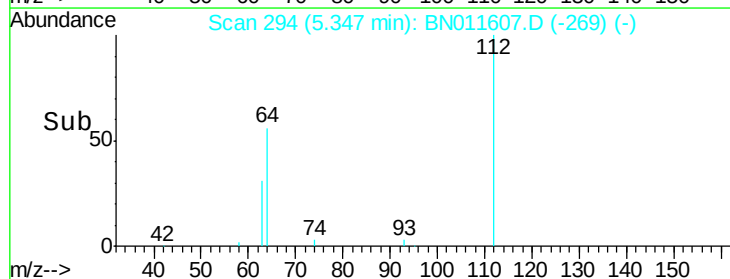
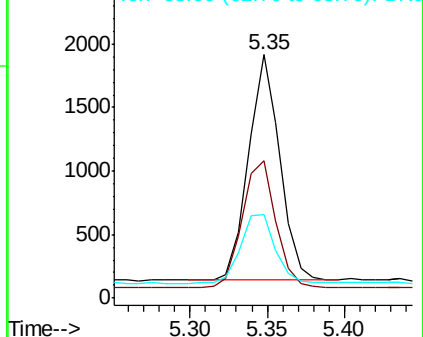
112 100

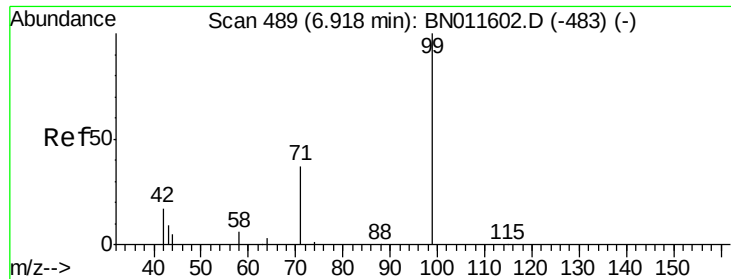
64 60.6 49.6 74.4

63 34.1 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.402 ng

RT: 6.92 min Scan# 489

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

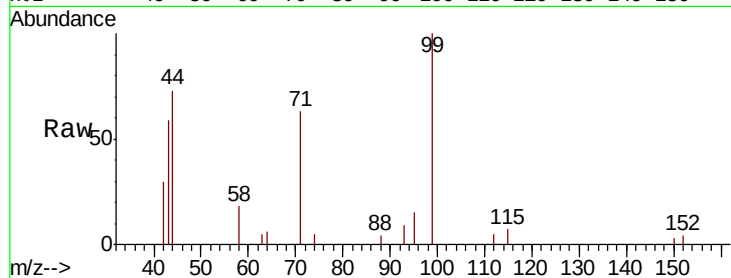
Tot Ion: 99 Resp: 3609

Ion Ratio Lower Upper

99 100

42 24.5 0.0 0.0#

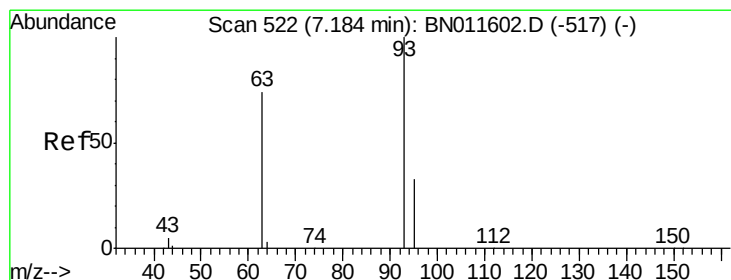
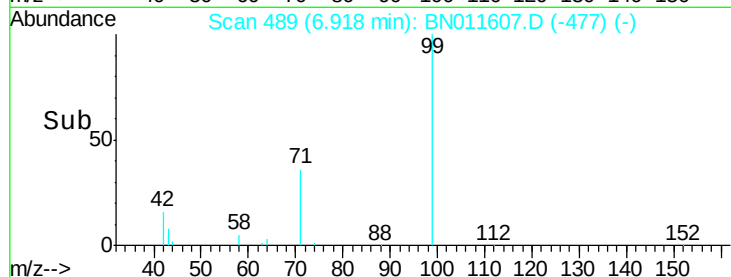
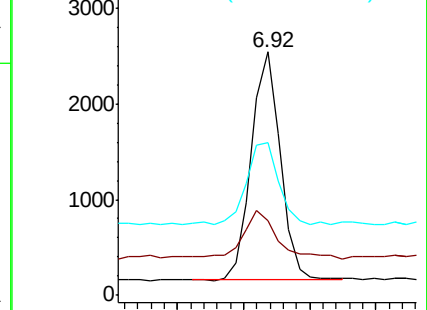
71 40.3 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BN011607.D (-483) (-)

Ion 42.00 (41.70 to 42.70): BN011607.D (-483) (-)

Ion 71.00 (70.70 to 71.70): BN011607.D (-483) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 7.18 min Scan# 522

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

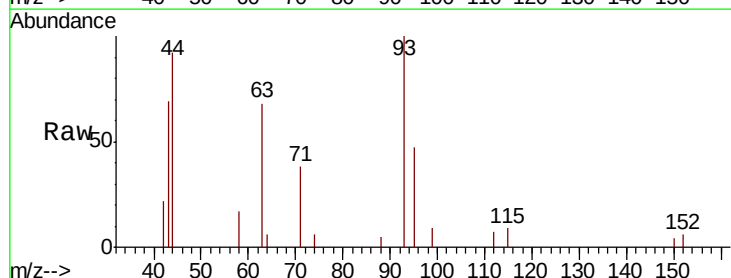
Tgt Ion: 93 Resp: 2545

Ion Ratio Lower Upper

93 100

63 74.2 57.8 86.8

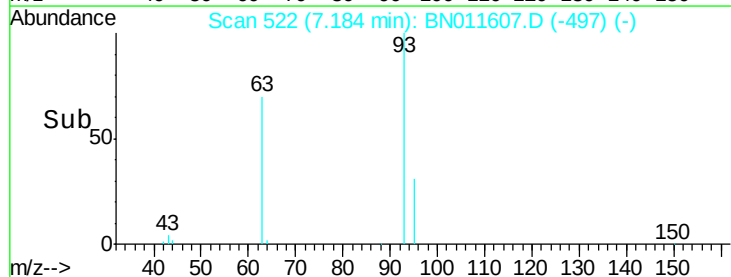
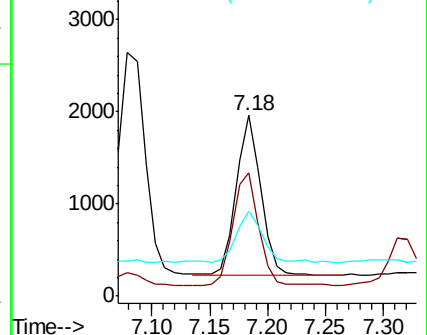
95 35.7 28.3 42.5

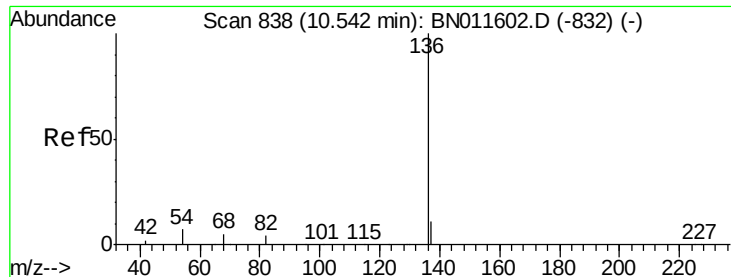


Abundance Ion 93.00 (92.70 to 93.70): BN011607.D (-517) (-)

Ion 63.00 (62.70 to 63.70): BN011607.D (-517) (-)

Ion 95.00 (94.70 to 95.70): BN011607.D (-517) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

Tot Ion:136 Resp: 8659

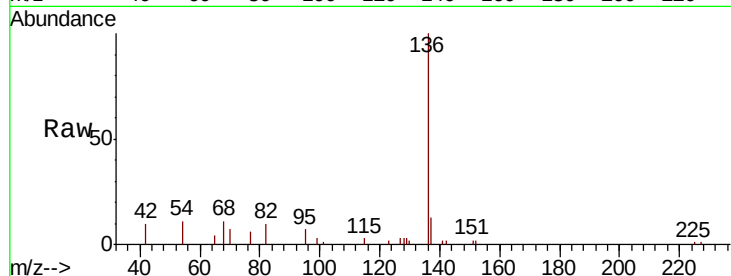
Ion Ratio Lower Upper

136 100

137 12.7 11.5 17.3

54 11.3 11.9 17.9#

68 10.9 12.3 18.5#

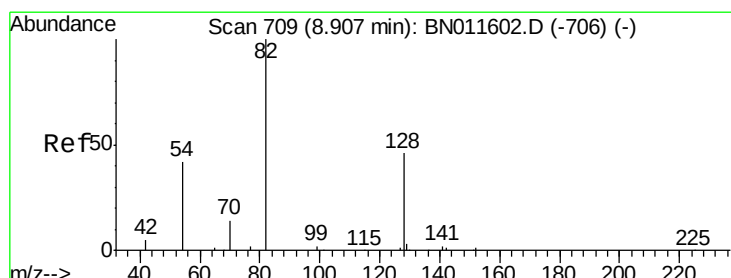
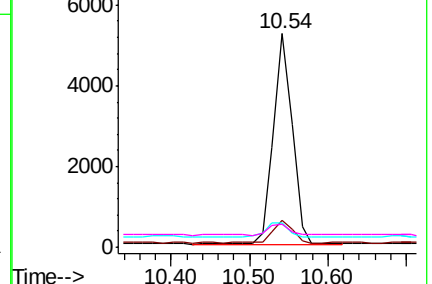
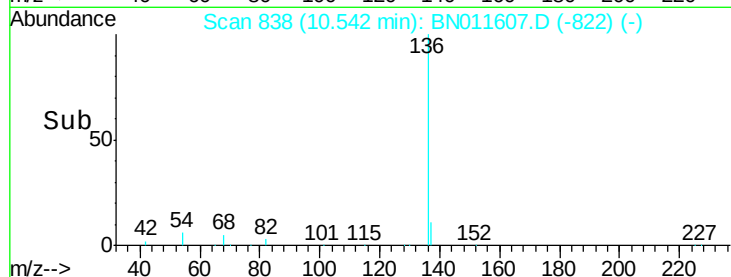


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.388 ng

RT: 8.89 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

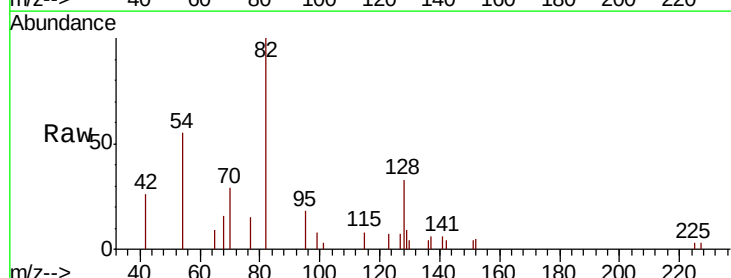
Tgt Ion: 82 Resp: 2908

Ion Ratio Lower Upper

82 100

128 33.3 31.1 46.7

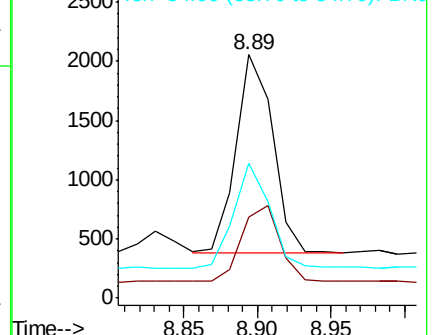
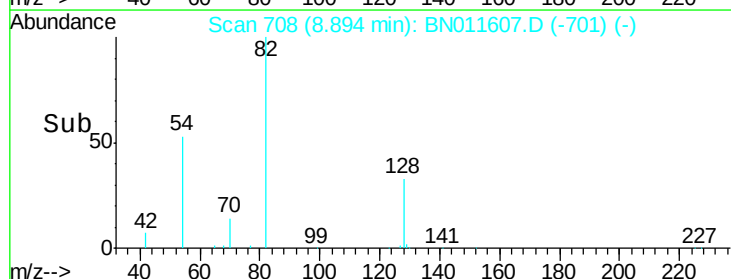
54 55.2 37.1 55.7

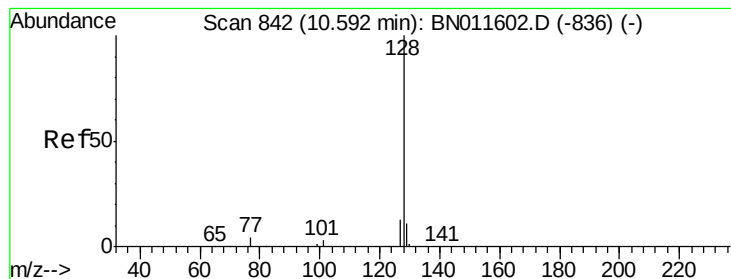


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.373 ng

RT: 10.59 min Scan# 842

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

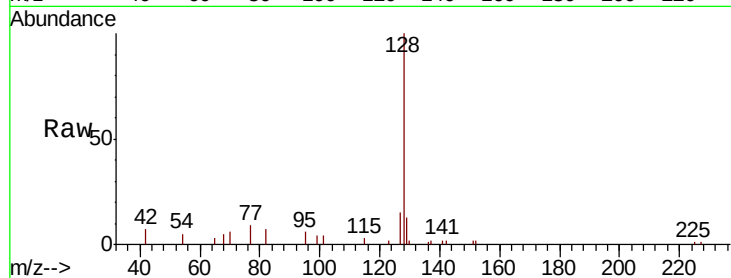
Tot Ion:128 Resp: 9182

Ion Ratio Lower Upper

128 100

129 13.0 11.0 16.4

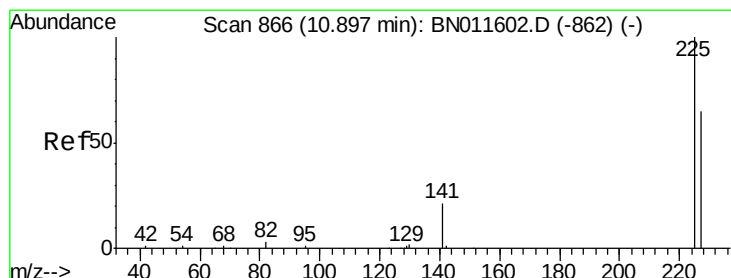
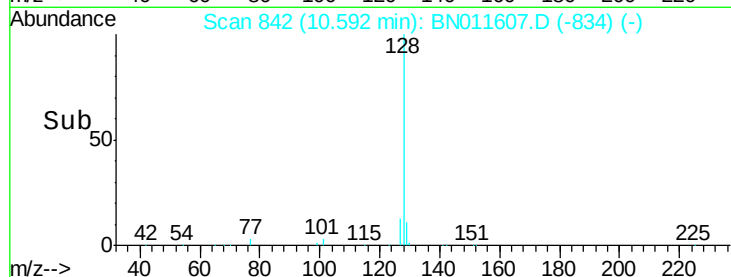
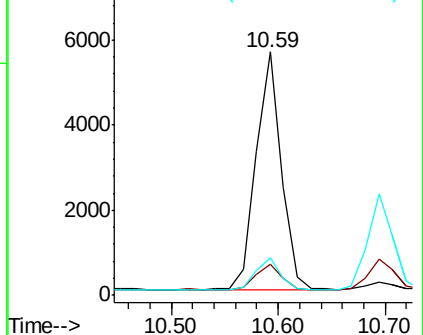
127 15.3 13.5 20.3



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: 0.373 ng

RT: 10.88 min Scan# 865

Delta R.T. -0.01 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

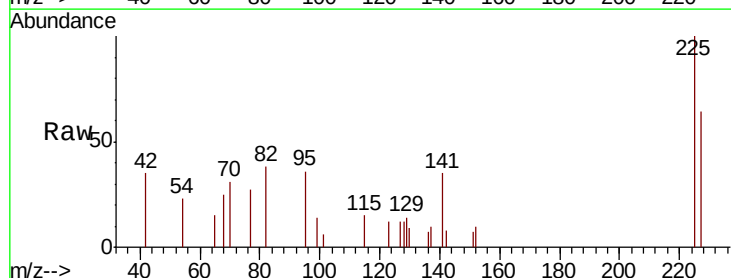
Tgt Ion:225 Resp: 1922

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

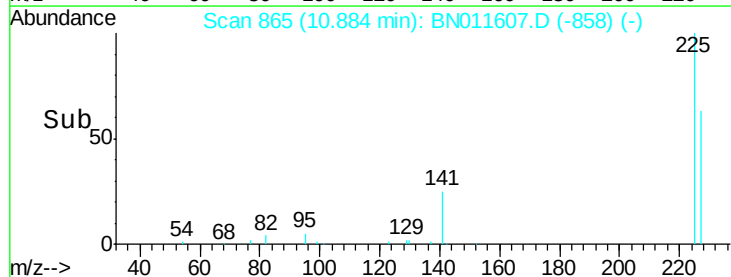
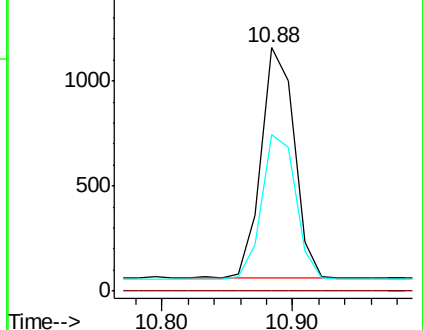
227 64.5 50.2 75.2

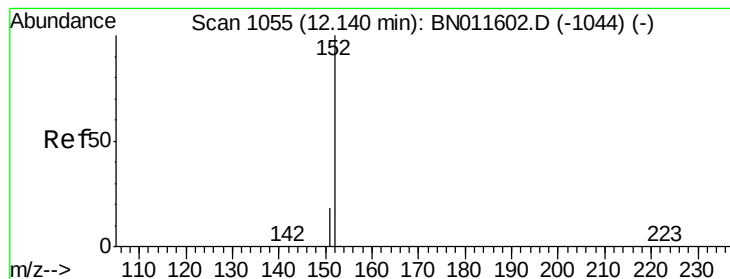


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.14 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

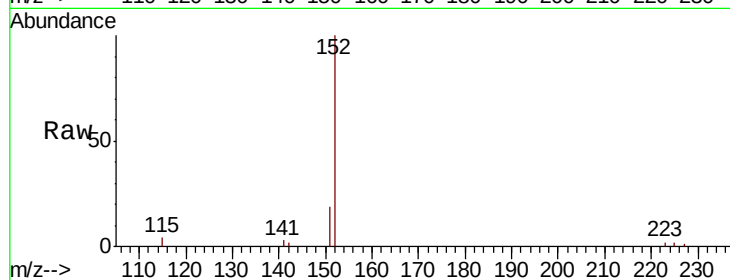
ICVBN082420

Tot Ion:152 Resp: 6069

Ion Ratio Lower Upper

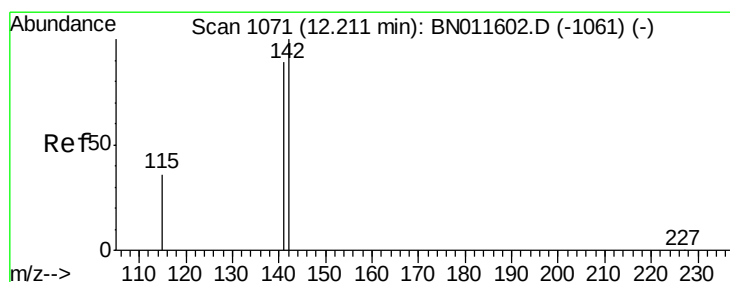
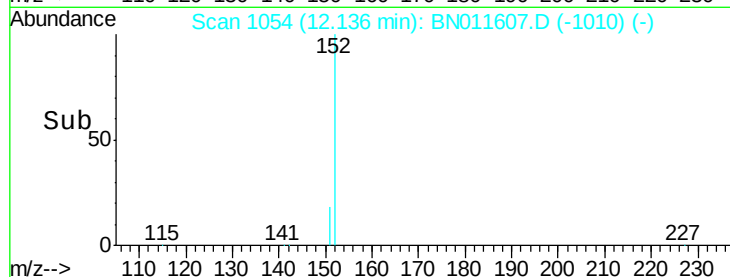
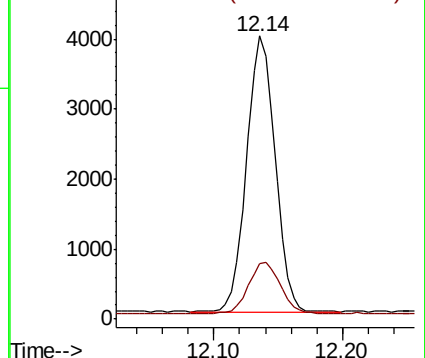
152 100

151 20.4 16.4 24.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.377 ng

RT: 12.21 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

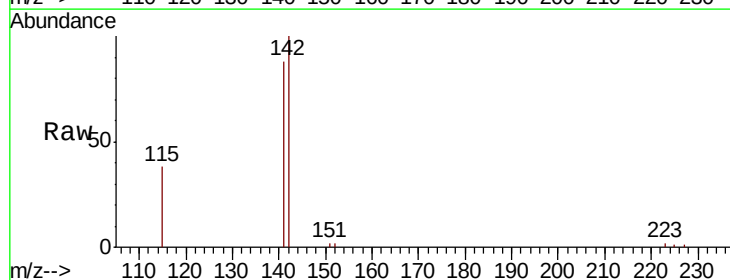
Tgt Ion:142 Resp: 6840

Ion Ratio Lower Upper

142 100

141 88.2 72.7 109.1

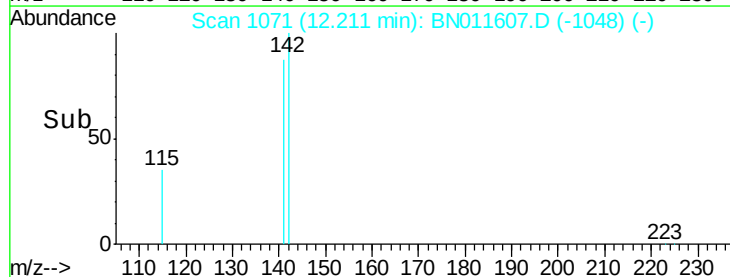
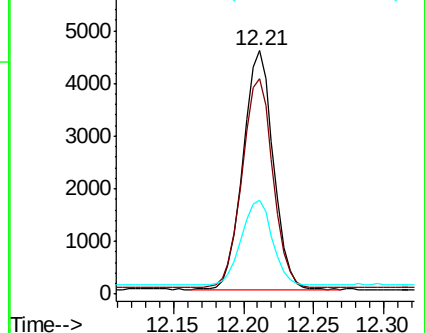
115 38.5 32.7 49.1



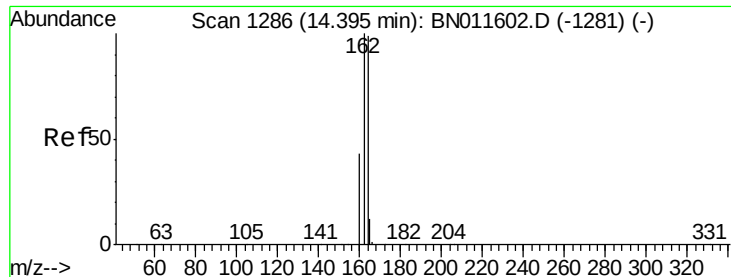
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampled :

ICVBN082420

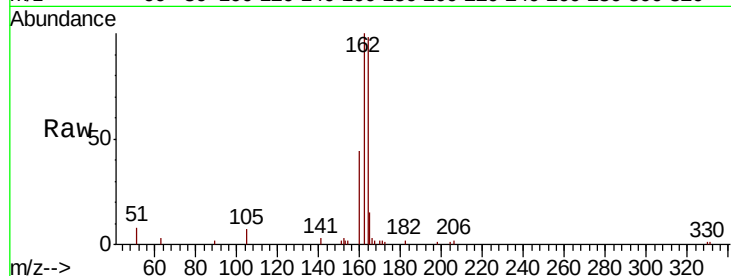
Tot Ion:164 Resp: 5845

Ion Ratio Lower Upper

164 100

162 101.8 80.8 121.2

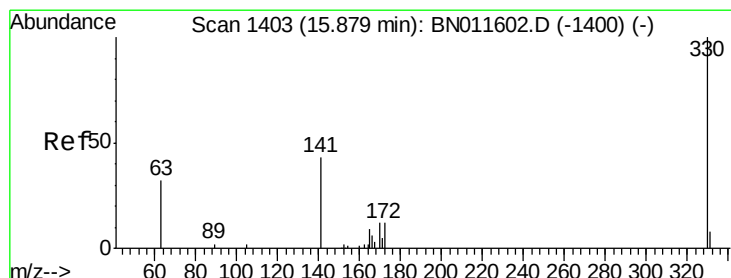
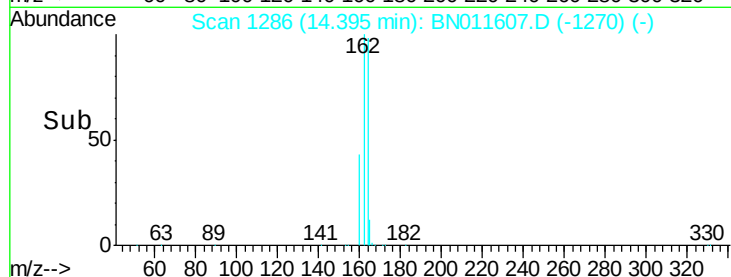
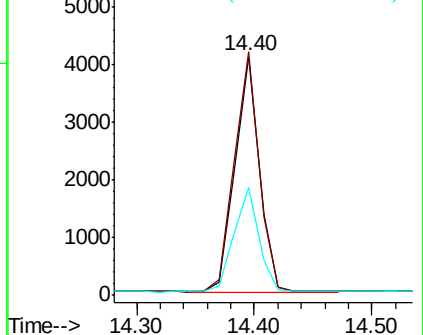
160 45.0 35.6 53.4



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: 0.387 ng

RT: 15.88 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

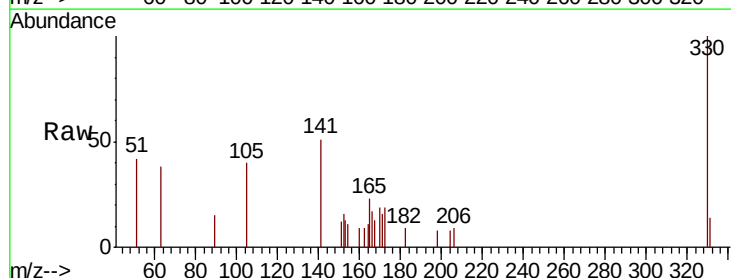
Tgt Ion:330 Resp: 1243

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

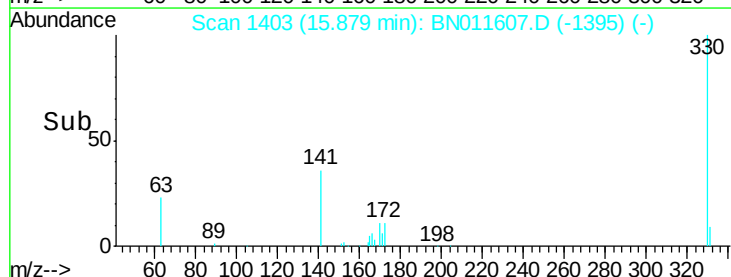
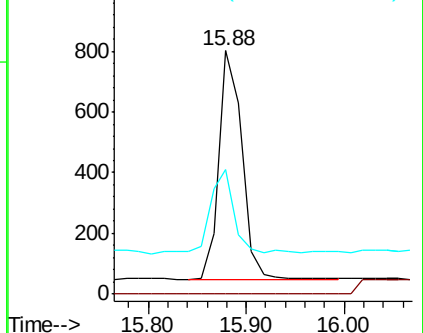
141 38.7 29.4 44.2

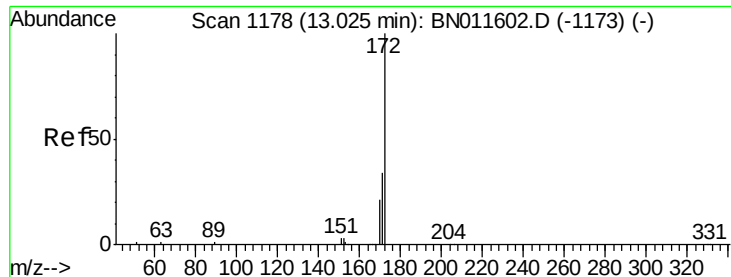


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

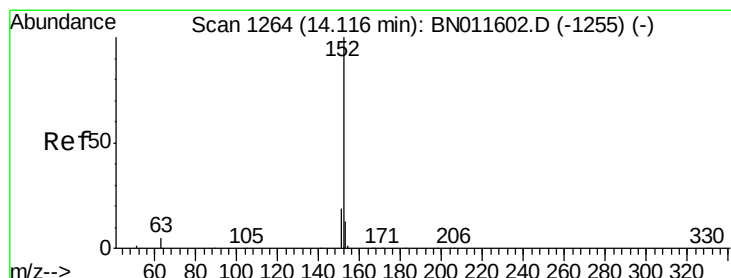
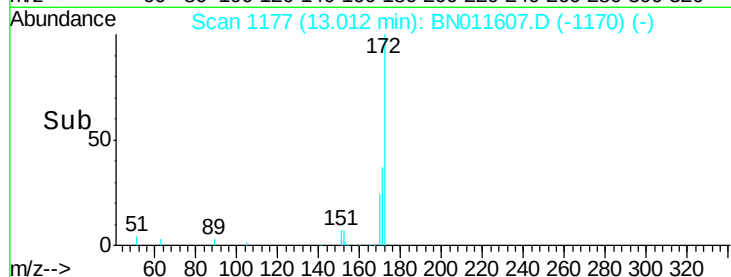
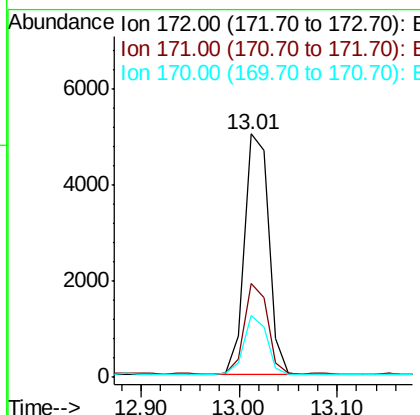
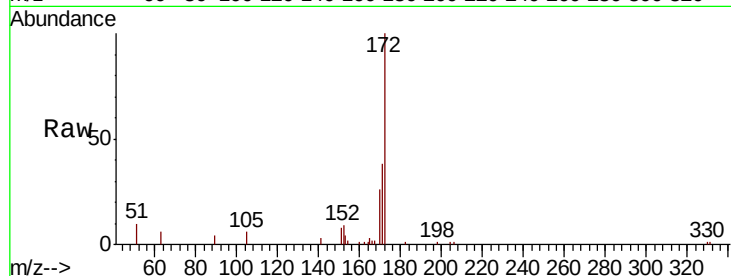




#15  
2-Fluorobiphenyl  
Concen: 0.378 ng  
RT: 13.01 min Scan# 1177  
Delta R.T. -0.01 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

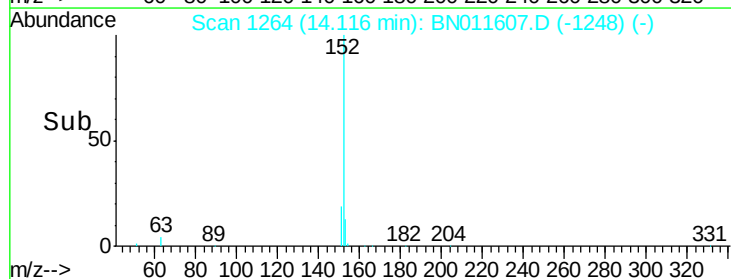
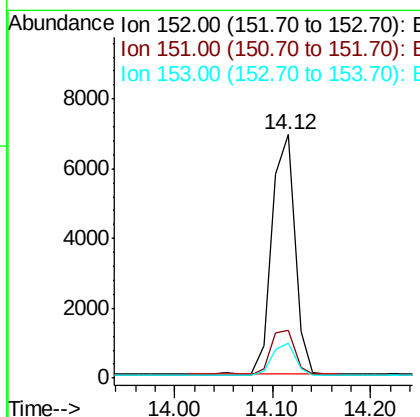
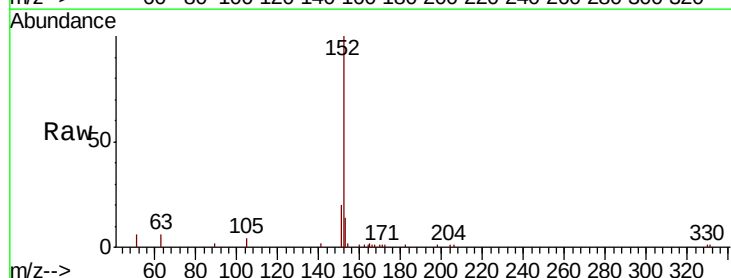
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN082420

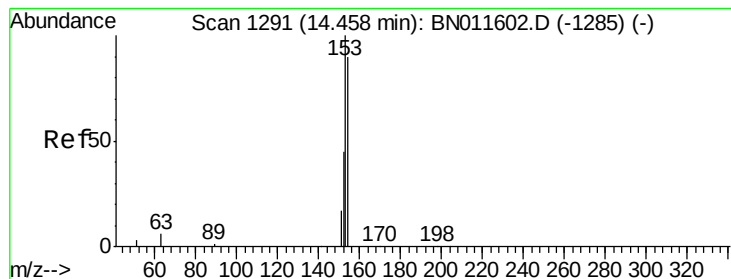
Tot Ion:172 Resp: 8590  
Ion Ratio Lower Upper  
172 100  
171 38.5 28.6 42.8  
170 25.6 18.2 27.2



#16  
Acenaphthylene  
Concen: 0.366 ng  
RT: 14.12 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

Tgt Ion:152 Resp: 11262  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.2 24.2  
153 13.2 11.0 16.4





#17

Acenaphthene

Concen: 0.373 ng

RT: 14.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

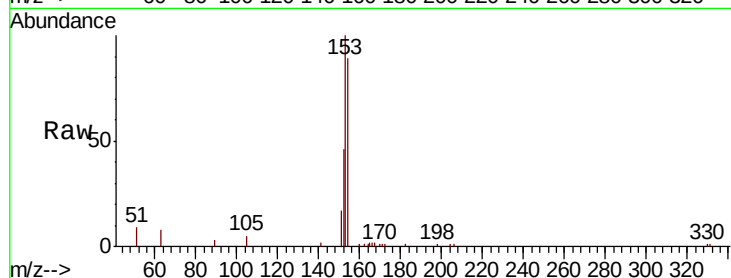
Tot Ion:154 Resp: 7284

Ion Ratio Lower Upper

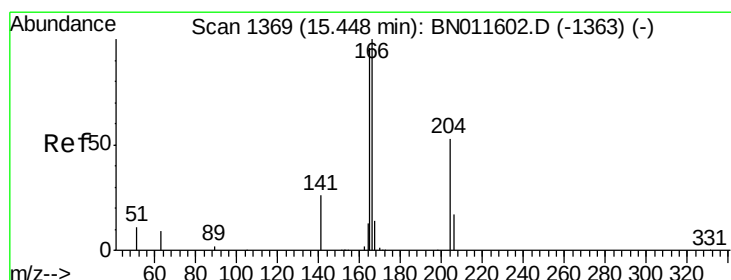
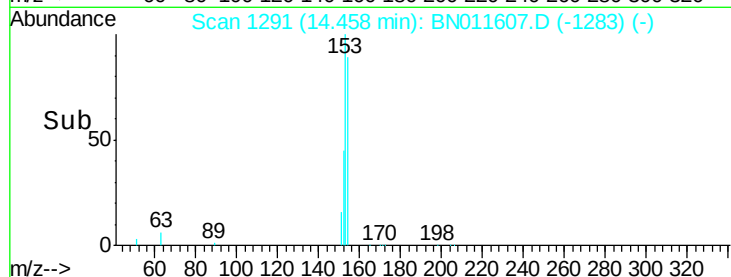
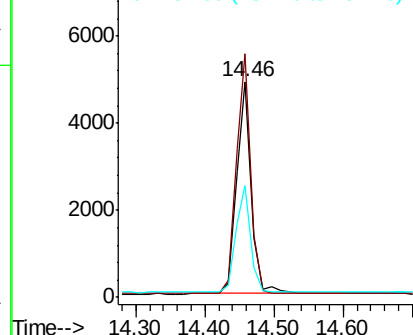
154 100

153 110.7 86.6 130.0

152 51.2 40.1 60.1



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: 0.375 ng

RT: 15.45 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

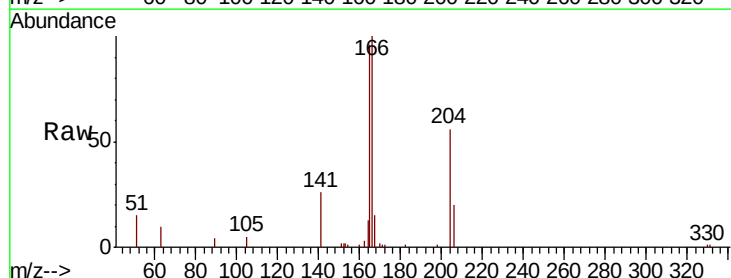
Tgt Ion:166 Resp: 9474

Ion Ratio Lower Upper

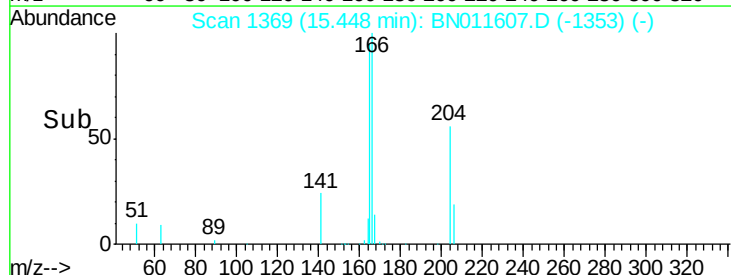
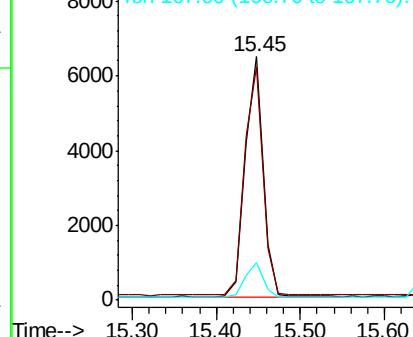
166 100

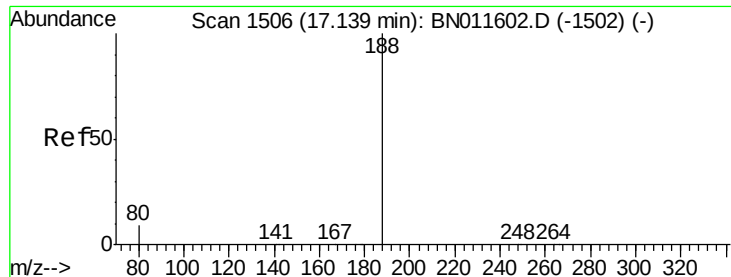
165 97.1 77.4 116.2

167 14.1 11.5 17.3



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: 17.14 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

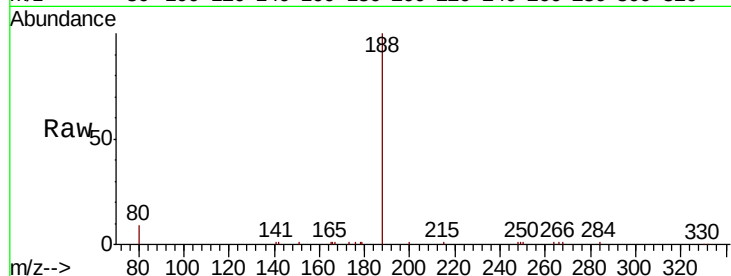
Tot Ion:188 Resp: 13757

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

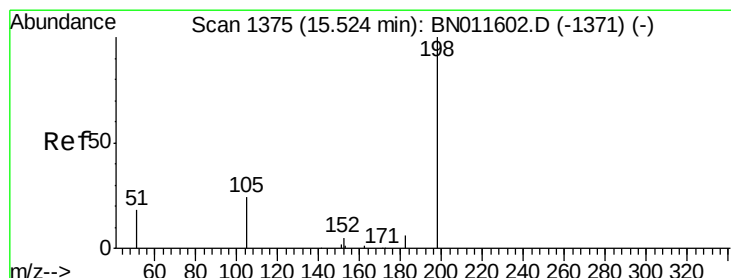
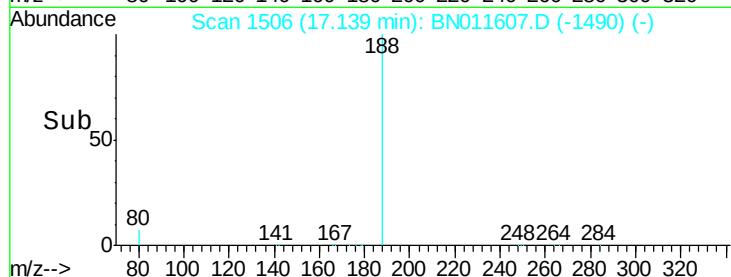
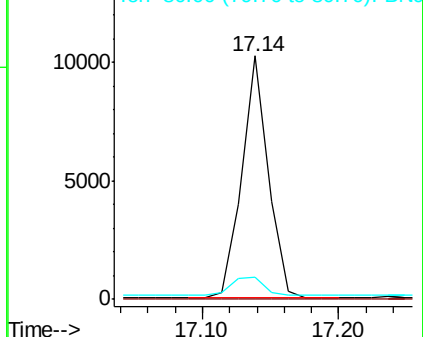
80 9.1 9.2 13.8#



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

4,6-Dinitro-2-methylphenol

Concen: 0.361 ng

RT: 15.51 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

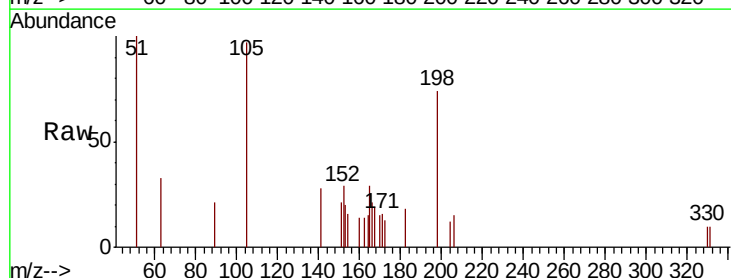
Tgt Ion:198 Resp: 573

Ion Ratio Lower Upper

198 100

51 135.5 99.6 149.4

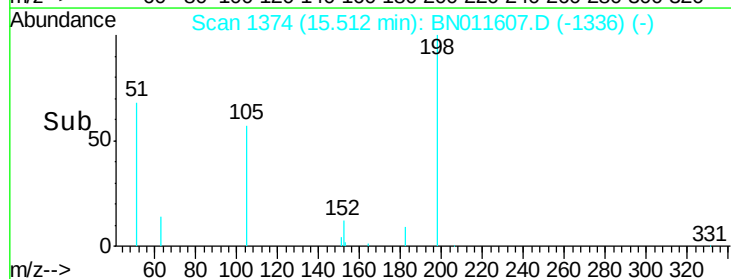
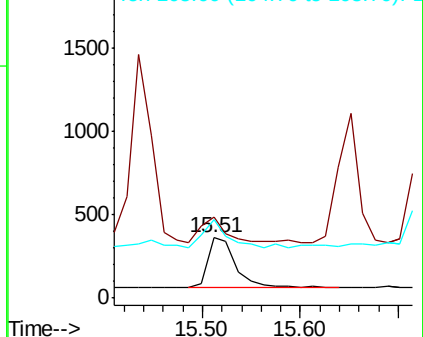
105 131.3 118.8 178.2

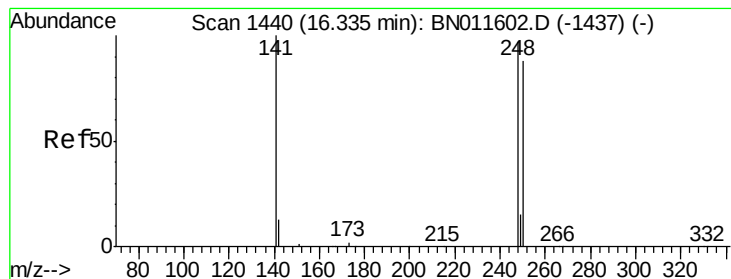


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E





#21

4-Bromophenyl-phenylether

Concen: 0.366 ng

RT: 16.34 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

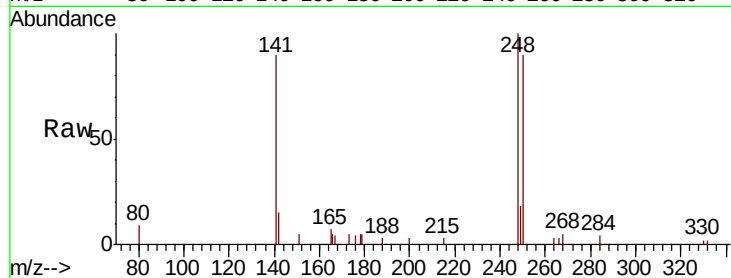
Tot Ion:248 Resp: 2939

Ion Ratio Lower Upper

248 100

250 90.1 73.4 110.2

141 89.7 88.5 132.7

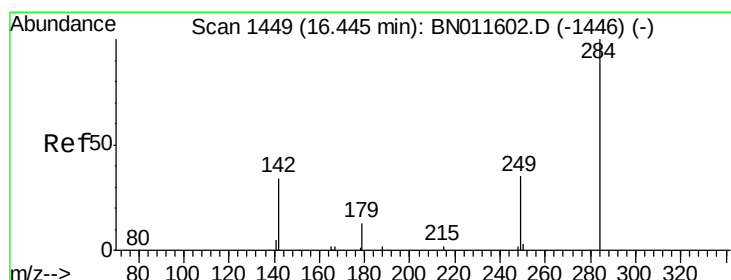
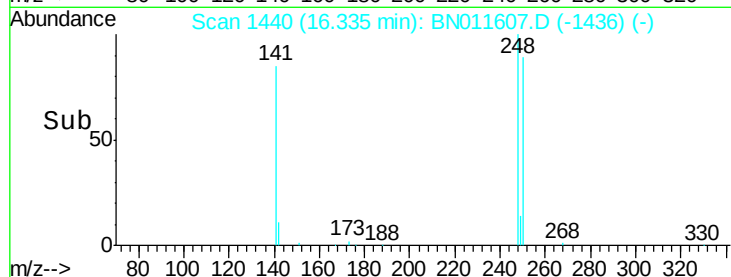
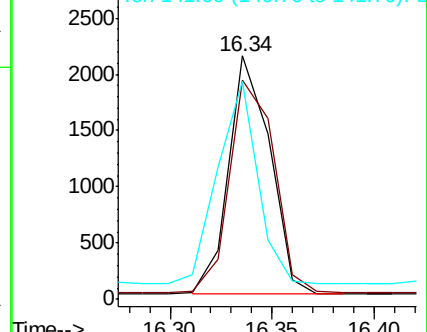


Abundance

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



#22

Hexachlorobenzene

Concen: 0.373 ng

RT: 16.44 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

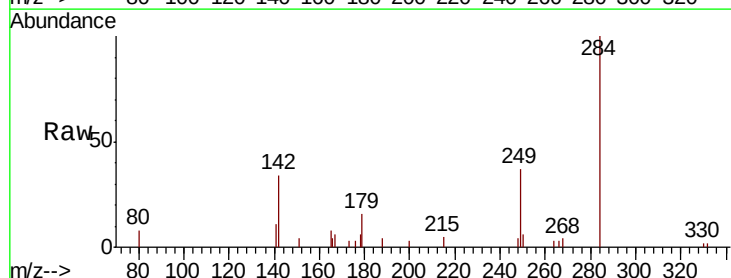
Tgt Ion:284 Resp: 3465

Ion Ratio Lower Upper

284 100

142 34.3 27.3 40.9

249 31.0 25.2 37.8

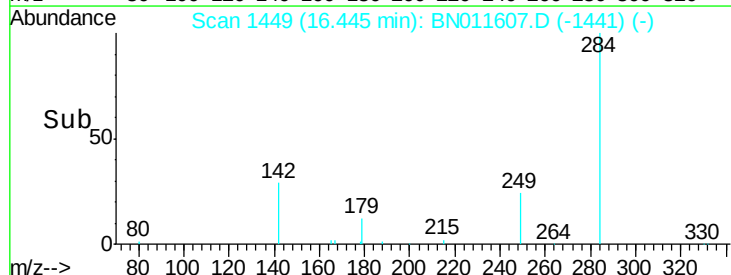
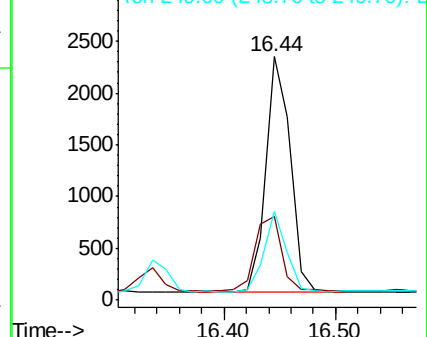


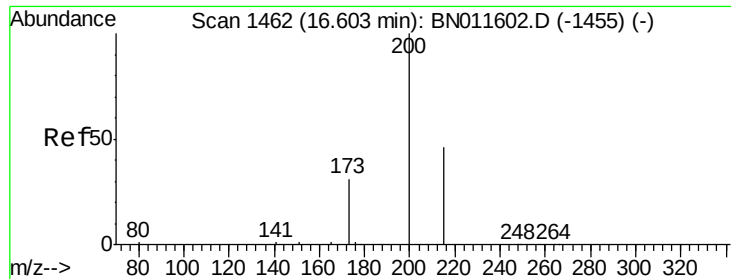
Abundance

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

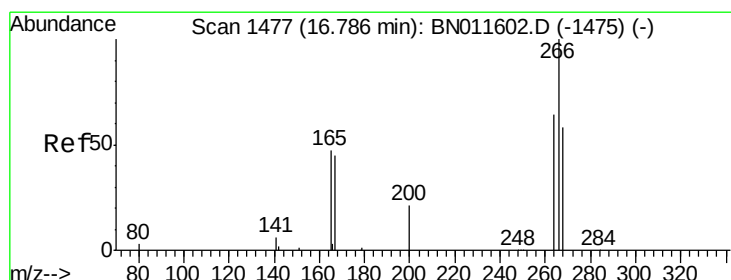
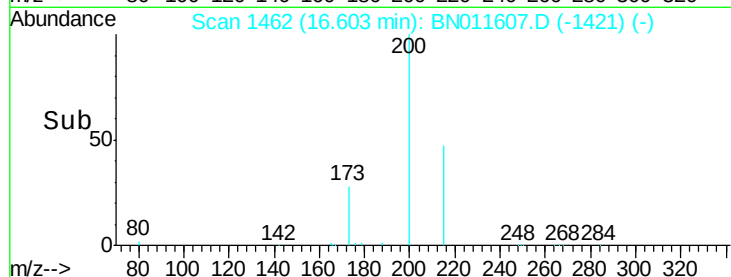
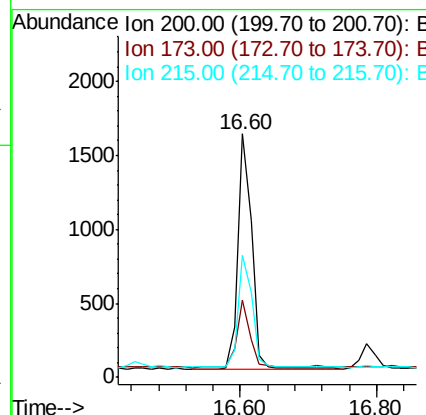
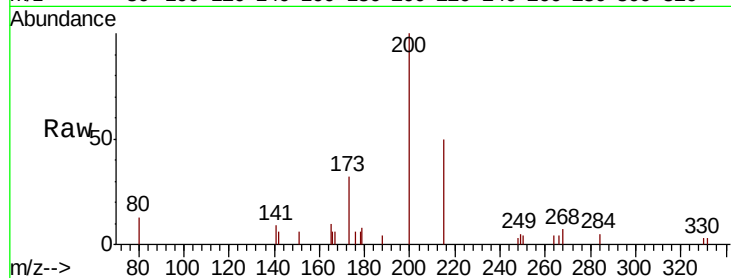




#23  
Atrazine  
Concen: 0.281 ng  
RT: 16.60 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

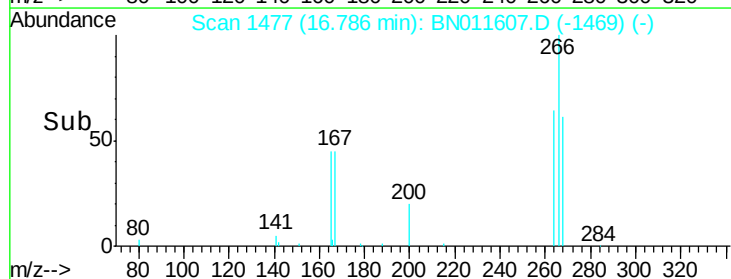
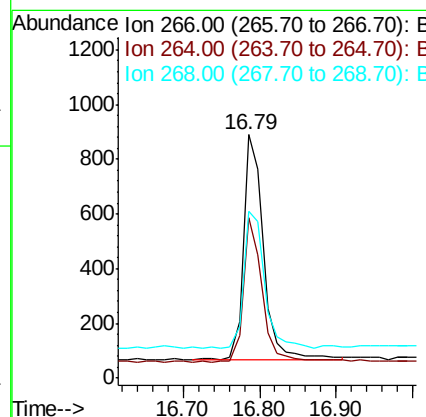
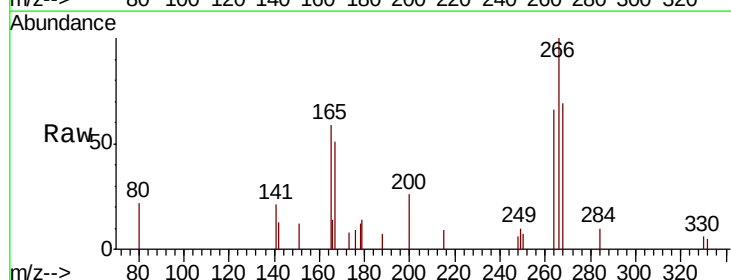
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN082420

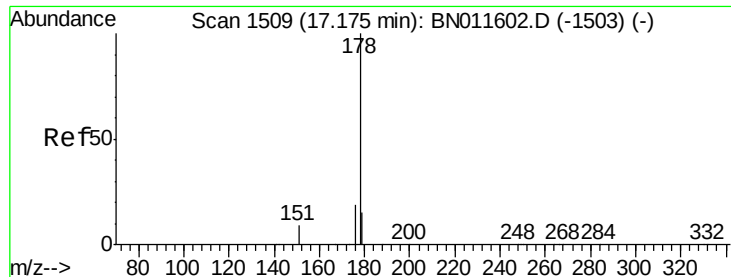
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 31.5  | 28.2  | 42.4  |
| 215     | 49.9  | 39.8  | 59.6  |



#24  
Pentachlorophenol  
Concen: 0.365 ng  
RT: 16.79 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: BN011607.D  
Acq: 24 Aug 2020 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.8  | 48.1  | 72.1  |
| 268     | 61.8  | 48.4  | 72.6  |





#25

Phenanthrene

Concen: 0.368 ng

RT: 17.18 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

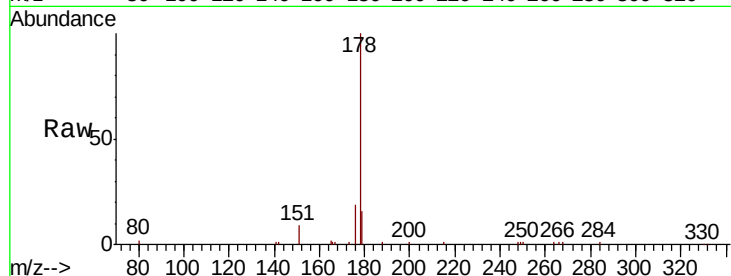
Tot Ion:178 Resp: 15723

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

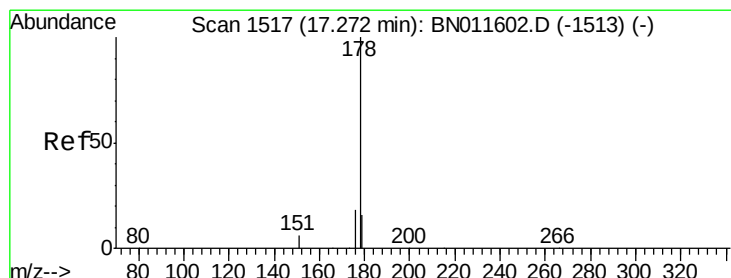
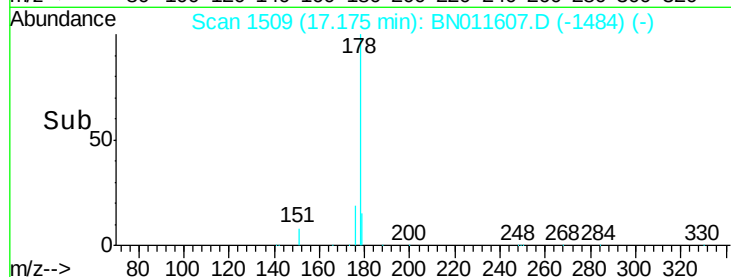
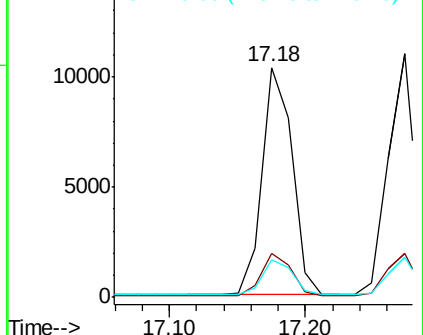
179 15.5 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

15000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#26

Anthracene

Concen: 0.365 ng

RT: 17.27 min Scan# 1517

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

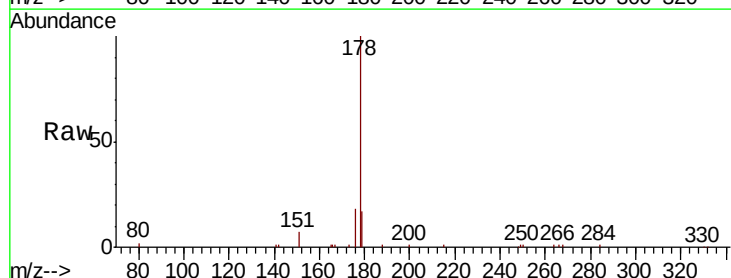
Tgt Ion:178 Resp: 15377

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

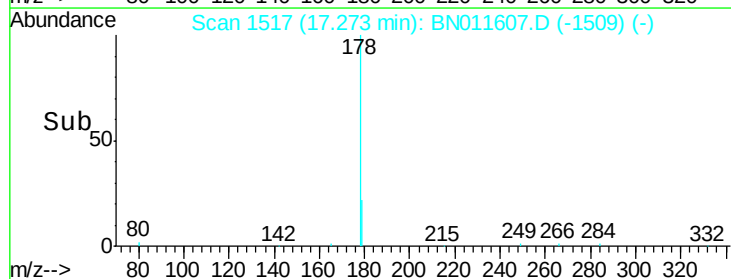
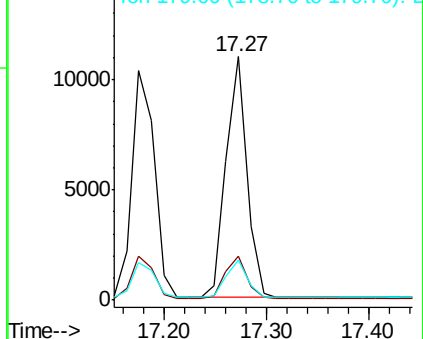
179 15.6 12.5 18.7

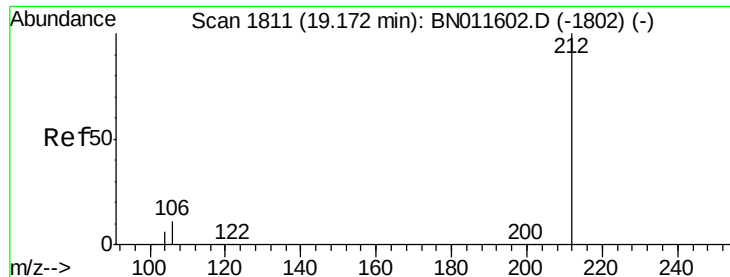


Abundance Ion 178.00 (177.70 to 178.70): E

15000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

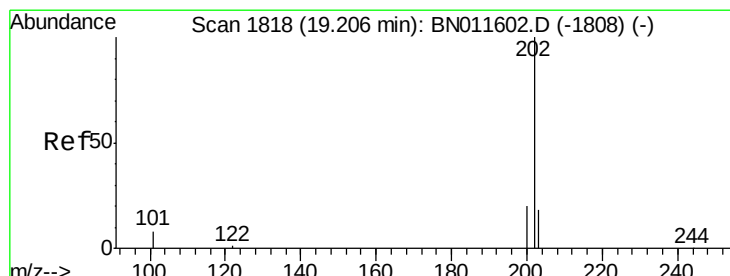
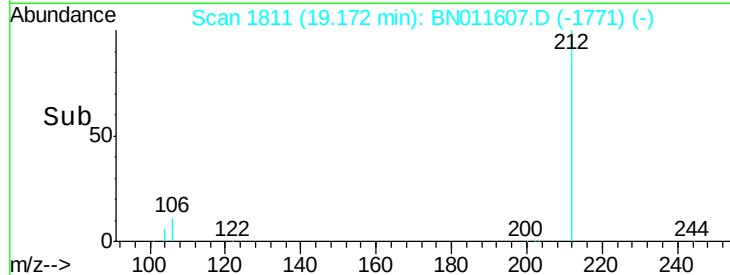
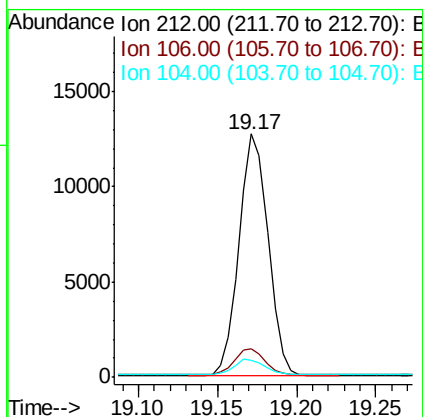
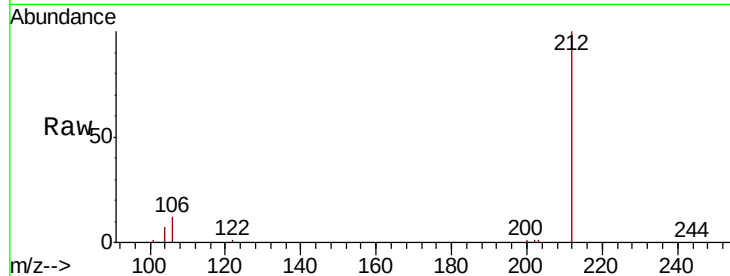




#27  
 Fluoranthene-d10  
 Concen: 0.361 ng  
 RT: 19.17 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: BN011607.D  
 Acq: 24 Aug 2020 21:11

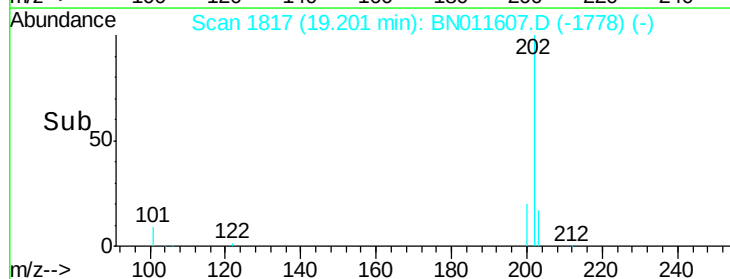
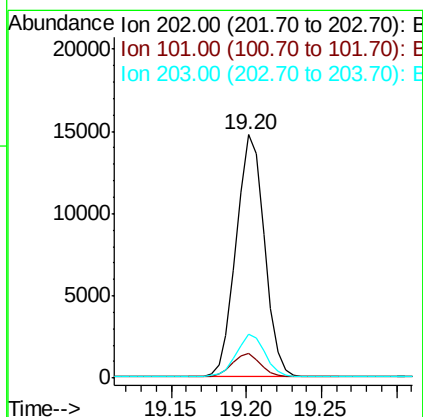
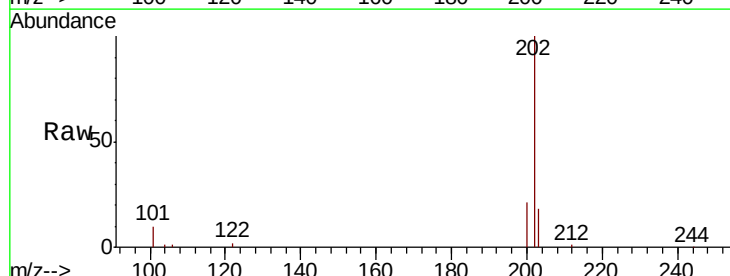
Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN082420

Tot Ion:212 Resp: 16203  
 Ion Ratio Lower Upper  
 212 100  
 106 11.1 8.9 13.3  
 104 6.3 5.3 7.9

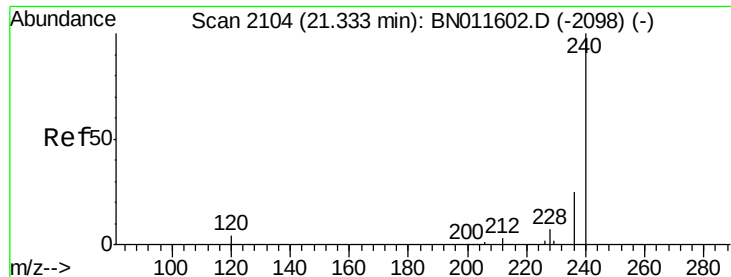


#28  
 Fluoranthene  
 Concen: 0.368 ng  
 RT: 19.20 min Scan# 1817  
 Delta R.T. -0.00 min  
 Lab File: BN011607.D  
 Acq: 24 Aug 2020 21:11

Tgt Ion:202 Resp: 19078  
 Ion Ratio Lower Upper  
 202 100  
 101 9.4 7.7 11.5  
 203 17.5 13.9 20.9







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.33 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

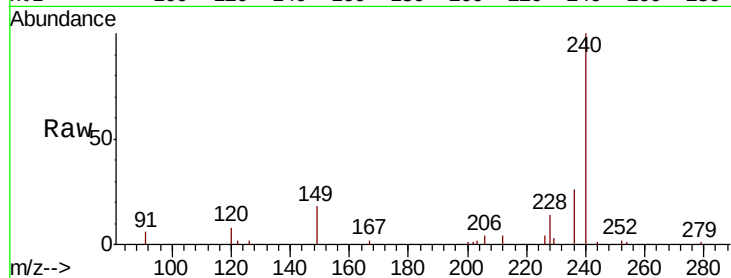
Tot Ion:240 Resp: 14960

Ion Ratio Lower Upper

240 100

120 8.1 6.0 9.0

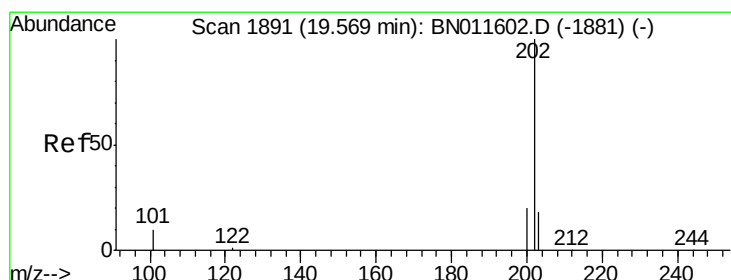
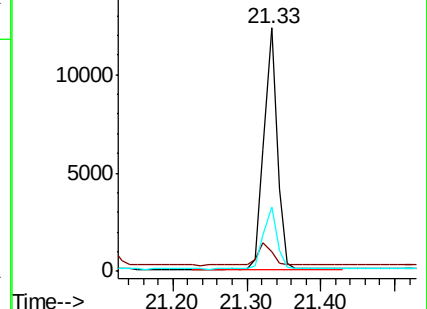
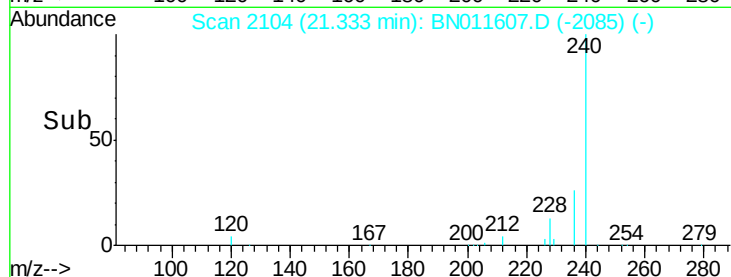
236 26.4 20.8 31.2



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



#30

Pyrene

Concen: 0.370 ng

RT: 19.56 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

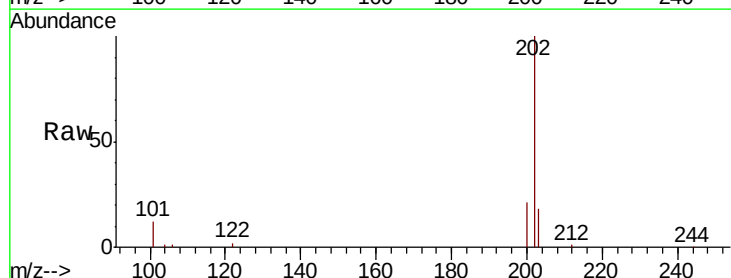
Tgt Ion:202 Resp: 19651

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

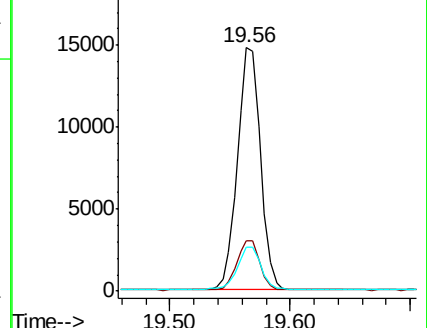
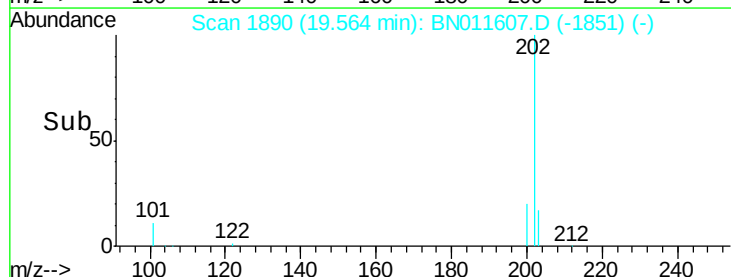
203 17.7 14.2 21.4

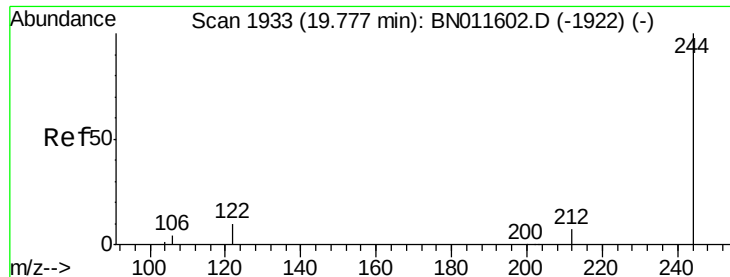


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.378 ng

RT: 19.78 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

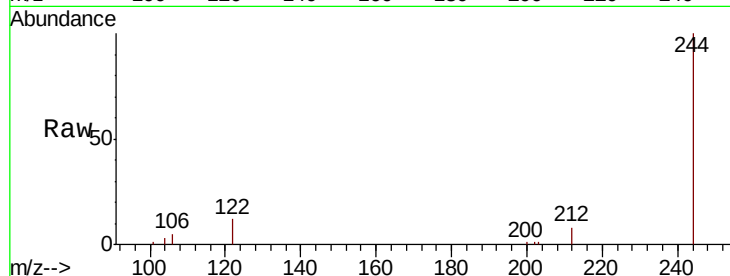
Tot Ion:244 Resp: 14451

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

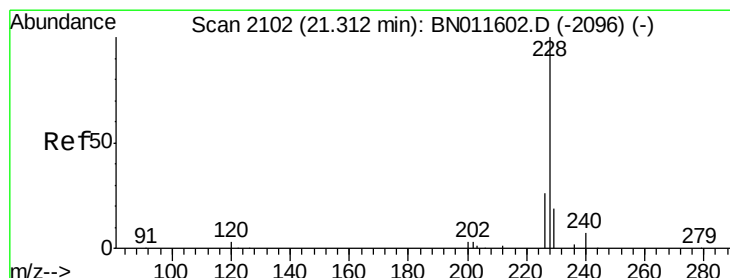
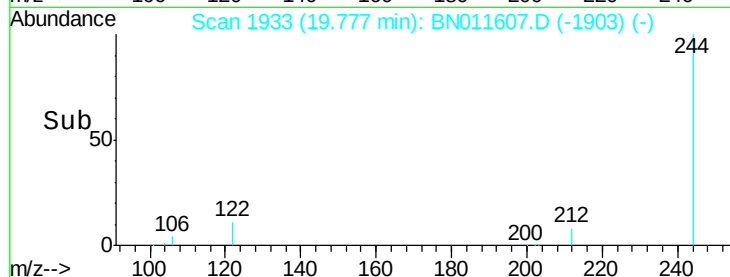
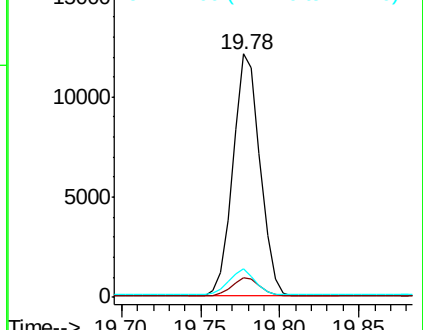
122 11.8 9.5 14.3



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



#32

Benzo(a)anthracene

Concen: 0.376 ng

RT: 21.31 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

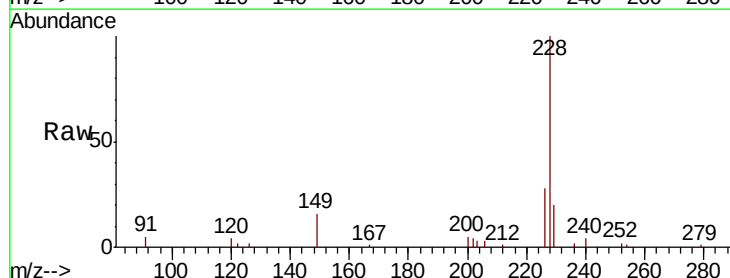
Tgt Ion:228 Resp: 20265

Ion Ratio Lower Upper

228 100

226 27.8 21.2 31.8

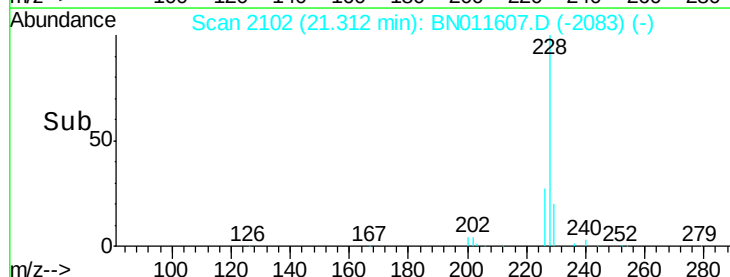
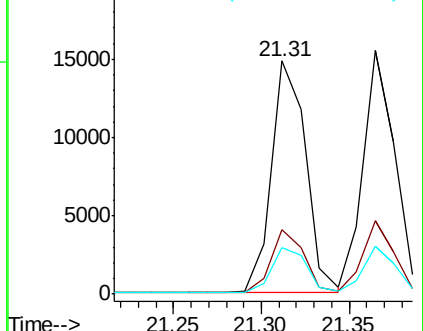
229 19.9 15.8 23.8

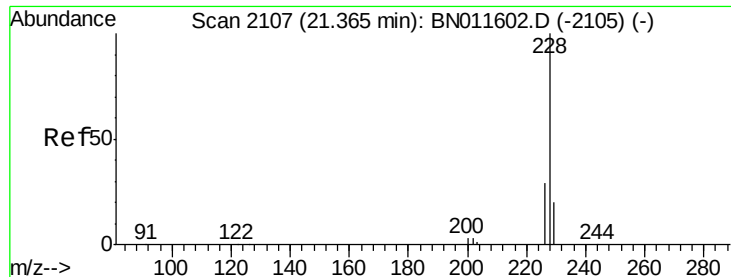


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.377 ng

RT: 21.36 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

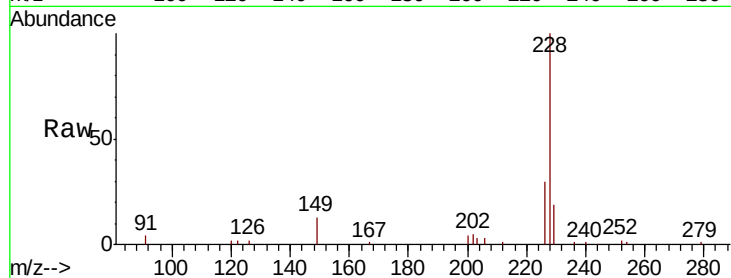
Tot Ion:228 Resp: 19390

Ion Ratio Lower Upper

228 100

226 29.9 23.6 35.4

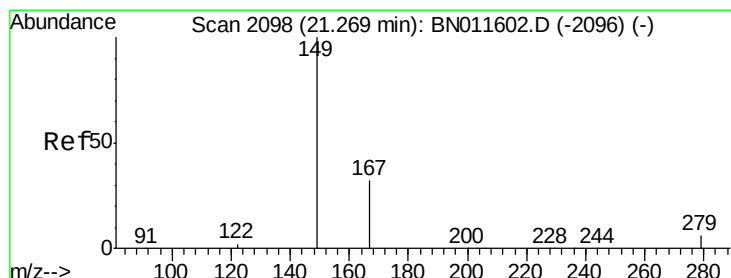
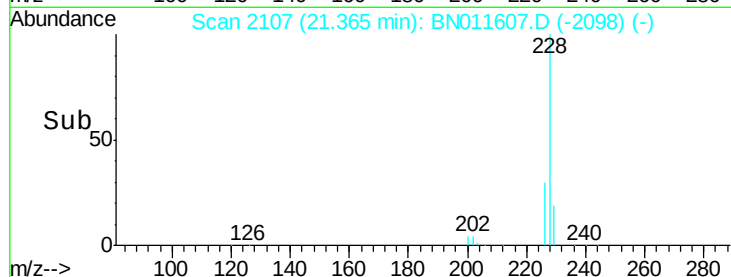
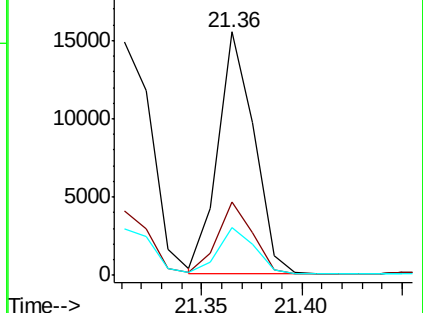
229 19.5 16.0 24.0



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.334 ng

RT: 21.27 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

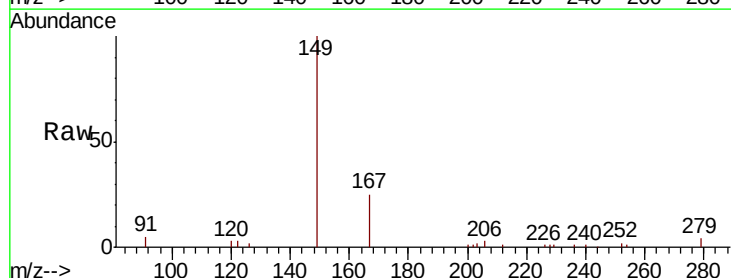
Tgt Ion:149 Resp: 12673

Ion Ratio Lower Upper

149 100

167 27.4 20.6 31.0

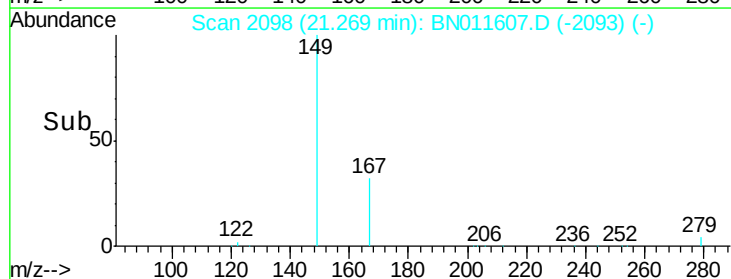
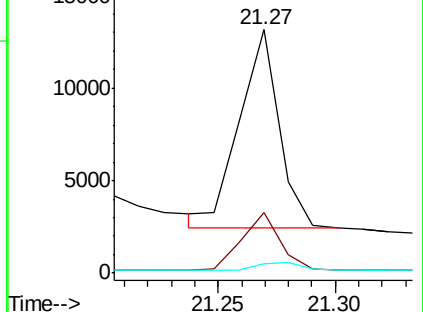
279 4.7 3.8 5.8

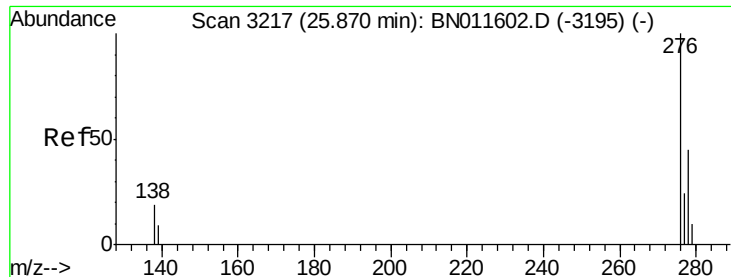


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

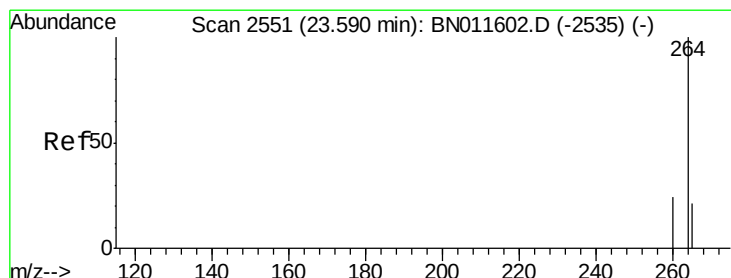
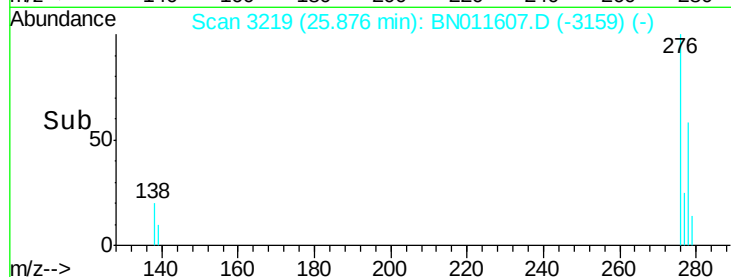
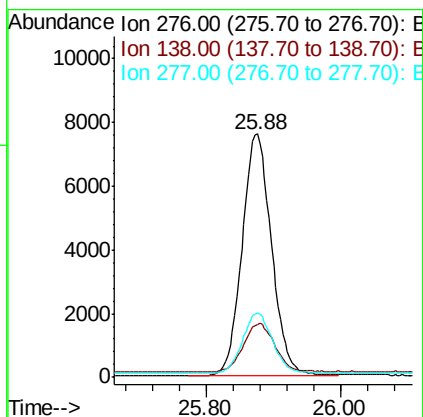
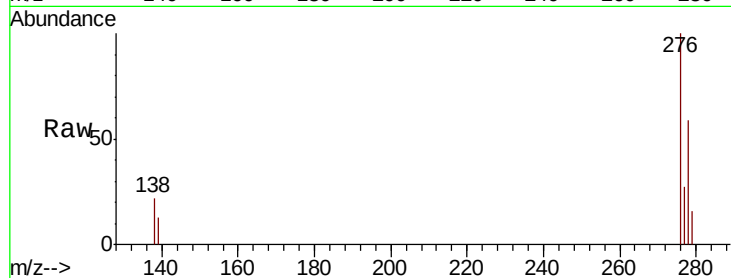




#35  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.368 ng  
 RT: 25.88 min Scan# 3219  
 Delta R.T. 0.01 min  
 Lab File: BN011607.D  
 Acq: 24 Aug 2020 21:11

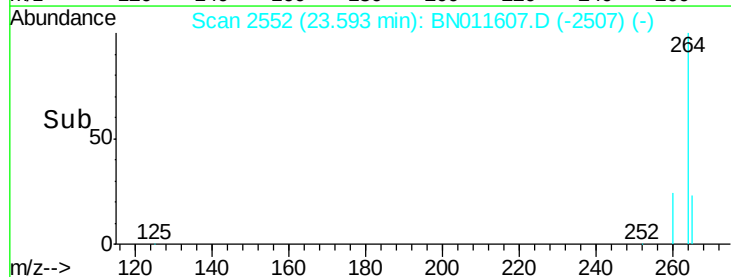
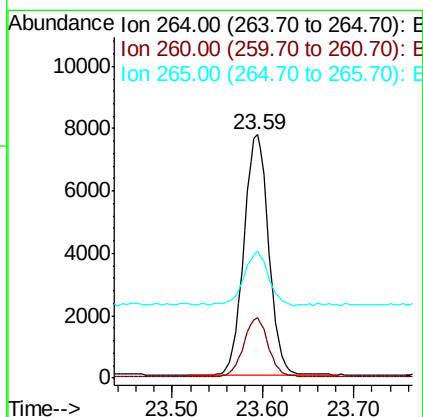
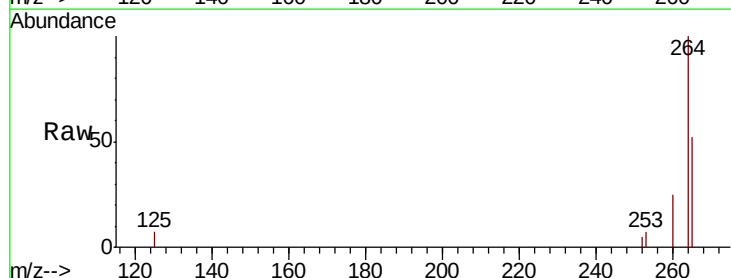
Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN082420

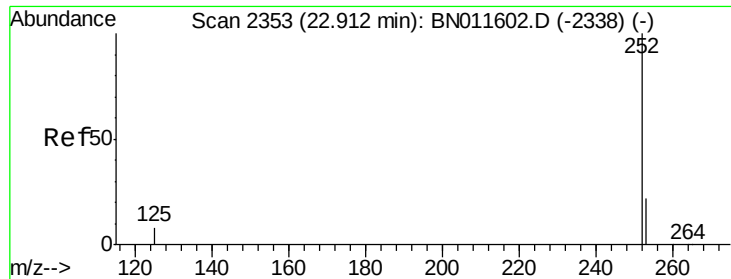
Tot Ion:276 Resp: 23107  
 Ion Ratio Lower Upper  
 276 100  
 138 21.2 0.0 0.0#  
 277 25.1 0.0 0.0#



#36  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.59 min Scan# 2552  
 Delta R.T. 0.00 min  
 Lab File: BN011607.D  
 Acq: 24 Aug 2020 21:11

Tgt Ion:264 Resp: 14600  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.6 29.4  
 265 52.2 40.7 61.1





#37

Benzo(b)fluoranthene

Concen: 0.376 ng

RT: 22.92 min Scan# 2354

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

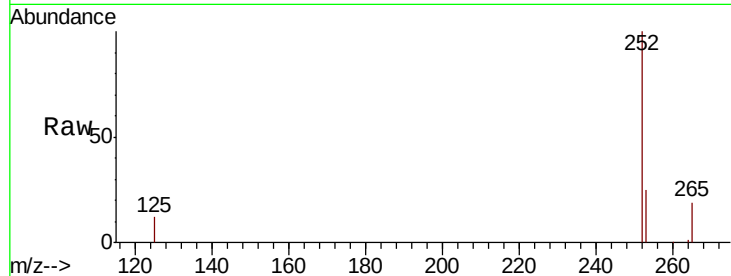
Tot Ion:252 Resp: 19891

Ion Ratio Lower Upper

252 100

253 25.4 21.0 31.6

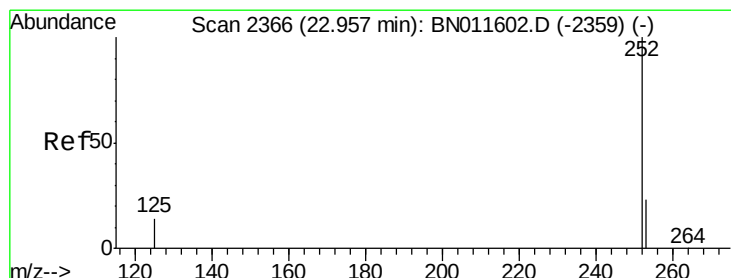
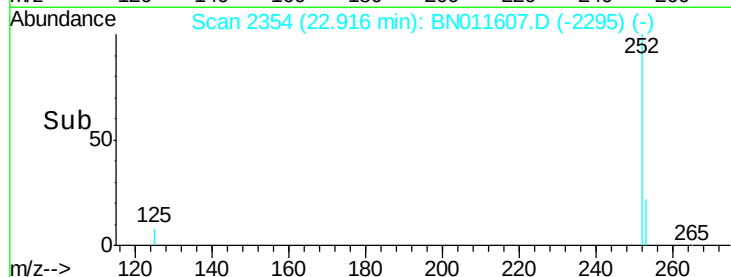
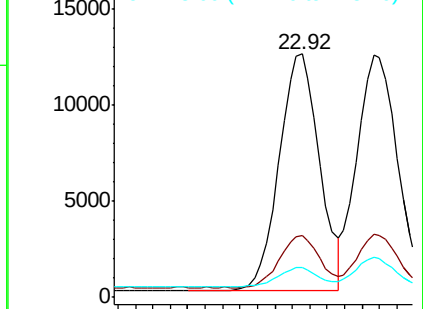
125 12.2 11.0 16.6



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

Benzo(k)fluoranthene

Concen: 0.378 ng

RT: 22.96 min Scan# 2366

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

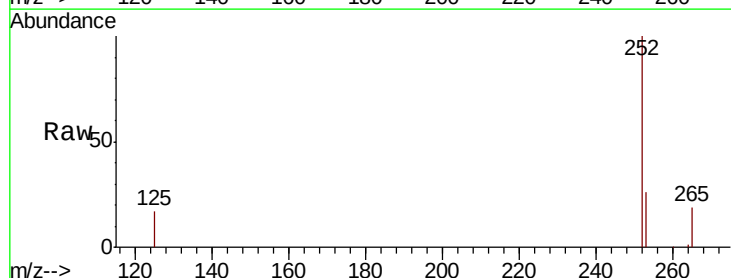
Tgt Ion:252 Resp: 19867

Ion Ratio Lower Upper

252 100

253 25.9 21.2 31.8

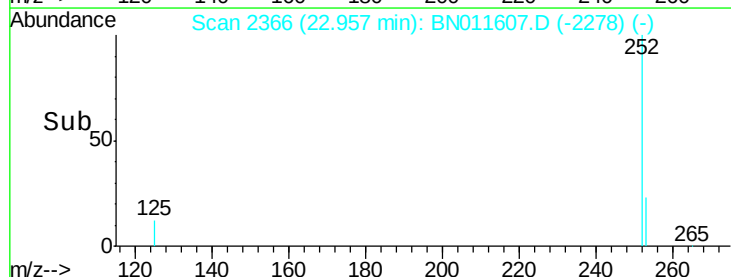
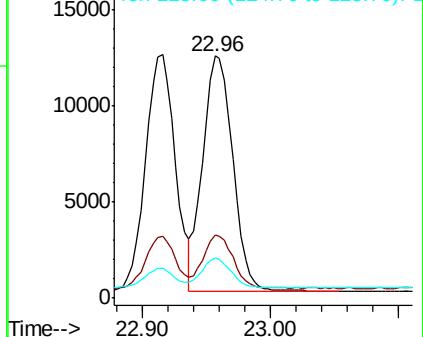
125 16.5 14.6 21.8

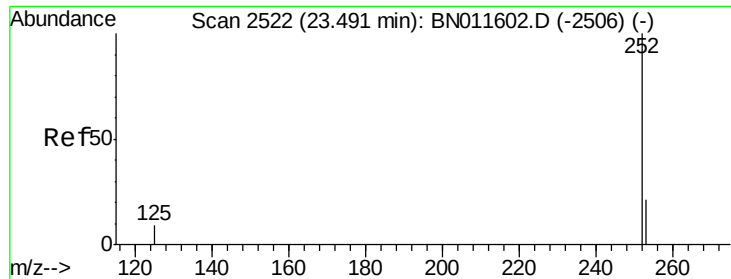


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.374 ng

RT: 23.49 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420

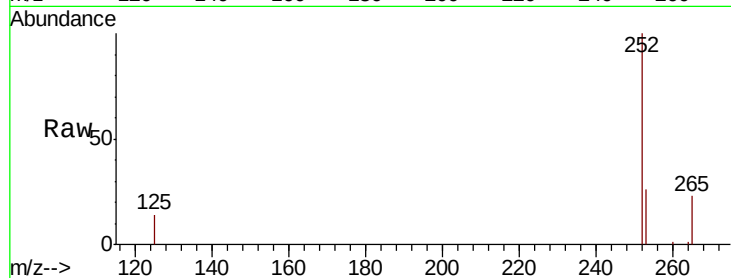
Tot Ion:252 Resp: 18449

Ion Ratio Lower Upper

252 100

253 25.8 21.2 31.8

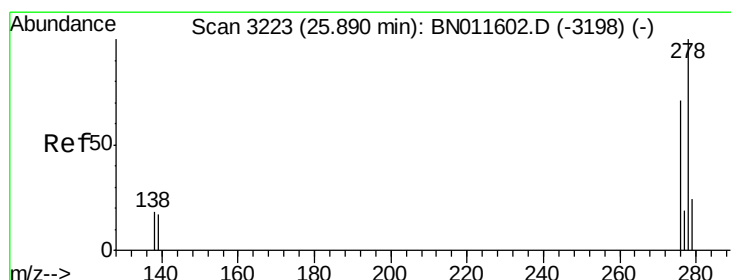
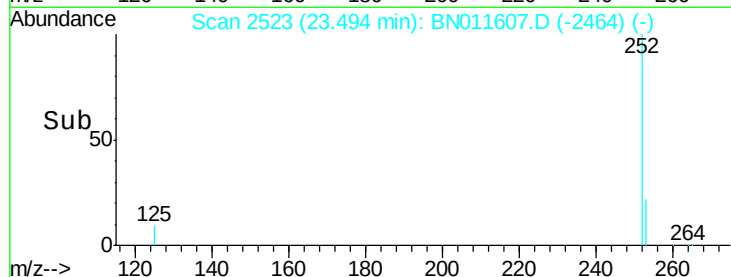
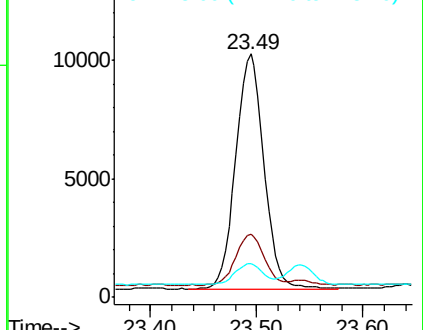
125 13.9 12.1 18.1



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



#40

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 25.89 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BN011607.D

Acq: 24 Aug 2020 21:11

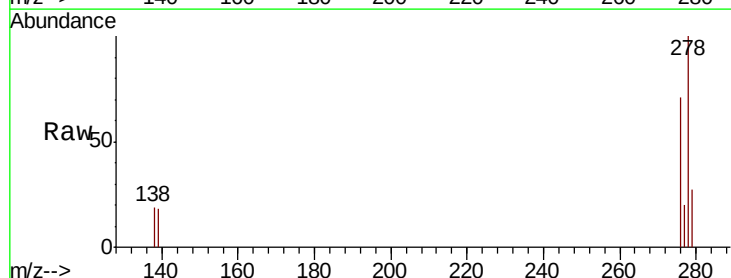
Tgt Ion:278 Resp: 19242

Ion Ratio Lower Upper

278 100

139 18.1 16.6 25.0

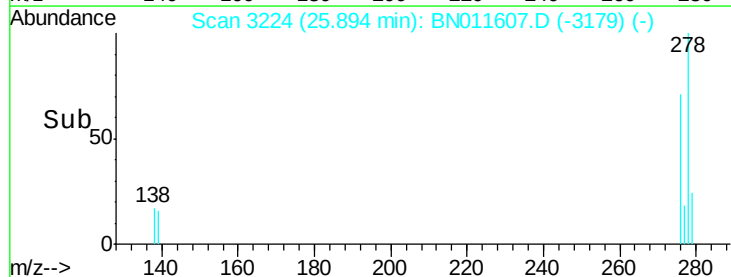
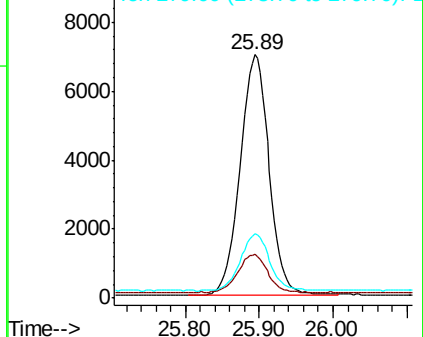
279 26.6 21.4 32.2

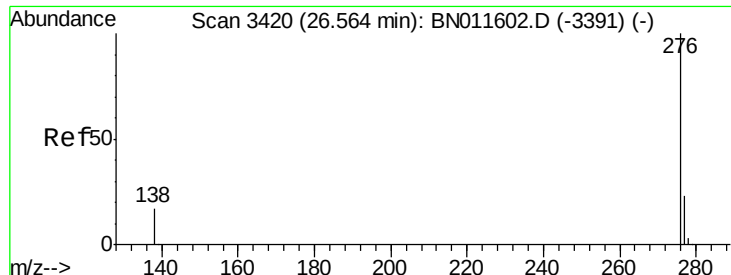


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.372 ng

RT: 26.56 min Scan# 3420

Delta R.T. 0.00 min

Lab File: BN011607.D

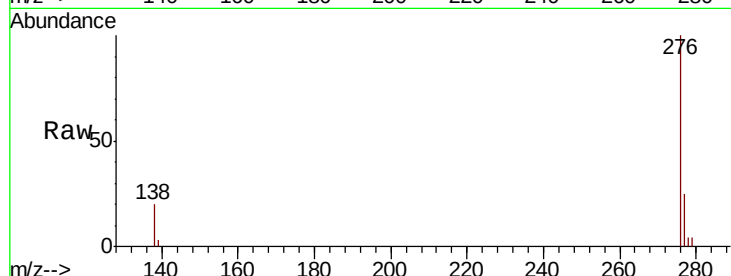
Acq: 24 Aug 2020 21:11

Instrument :

BNA\_N

ClientSampleId :

ICVBN082420



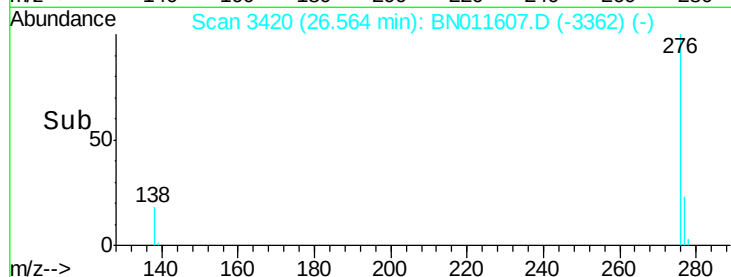
Tot Ion: 276 Resp: 18627

Ion Ratio Lower Upper

276 100

277 25.4 20.5 30.7

138 20.3 17.8 26.6



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

