

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\  
 Data File : BN011622.D  
 Acq On : 25 Aug 2020 19:00  
 Operator : CG/JU  
 Sample : PB130971BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB131185BS

Quant Time: Aug 26 00:35:27 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  | 2081     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.54 | 136  | 8417     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 5336     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.14 | 188  | 11707    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 12297    | 0.40 | ng    | -0.01    |
| 36) Perylene-d12          | 23.59 | 264  | 12743    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.35  | 112  | 2548     | 0.38 | ng    | 0.00     |
| 5) Phenol-d6                | 6.92  | 99   | 3474     | 0.37 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.89  | 82   | 3101     | 0.43 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152  | 6187     | 0.39 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330  | 991      | 0.34 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.01 | 172  | 8628     | 0.42 | ng    | -0.01    |
| 27) Fluoranthene-d10        | 19.17 | 212  | 14526    | 0.38 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.77 | 244  | 12995    | 0.41 | ng    | 0.00     |

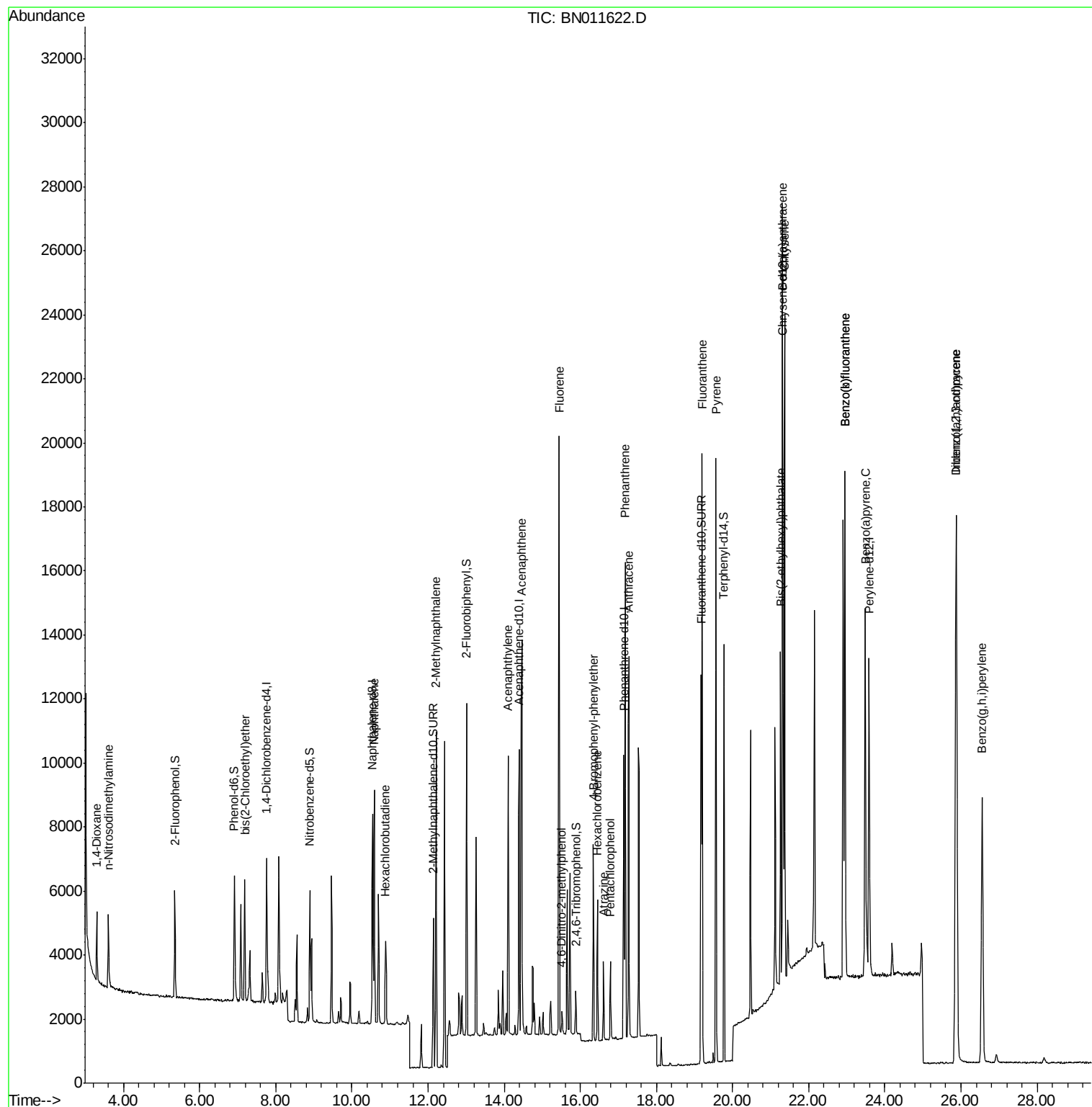
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 1368     | 0.424 | ng    | # 1    |
| 3) n-Nitrosodimethylamine      | 3.60  | 42   | 1524     | 0.448 | ng    | # 98   |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93   | 2730     | 0.408 | ng    | # 98   |
| 9) Naphthalene                 | 10.59 | 128  | 9561     | 0.399 | ng    | # 94   |
| 10) Hexachlorobutadiene        | 10.88 | 225  | 2072     | 0.413 | ng    | # 99   |
| 12) 2-Methylnaphthalene        | 12.21 | 142  | 6960     | 0.394 | ng    | # 98   |
| 16) Acenaphthylene             | 14.10 | 152  | 10345    | 0.368 | ng    | # 99   |
| 17) Acenaphthene               | 14.46 | 154  | 7122     | 0.399 | ng    | # 99   |
| 18) Fluorene                   | 15.45 | 166  | 8940     | 0.387 | ng    | # 99   |
| 20) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 614      | 0.455 | ng    | # 41   |
| 21) 4-Bromophenyl-phenylether  | 16.34 | 248  | 2689     | 0.394 | ng    | # 77   |
| 22) Hexachlorobenzene          | 16.44 | 284  | 3281     | 0.416 | ng    | # 99   |
| 23) Atrazine                   | 16.60 | 200  | 1804     | 0.267 | ng    | # 94   |
| 24) Pentachlorophenol          | 16.79 | 266  | 1179     | 0.338 | ng    | # 96   |
| 25) Phenanthrene               | 17.18 | 178  | 14555    | 0.400 | ng    | # 100  |
| 26) Anthracene                 | 17.27 | 178  | 13414    | 0.374 | ng    | # 99   |
| 28) Fluoranthene               | 19.20 | 202  | 17223    | 0.391 | ng    | # 99   |
| 30) Pyrene                     | 19.56 | 202  | 17526    | 0.402 | ng    | # 100  |
| 32) Benzo(a)anthracene         | 21.31 | 228  | 17502    | 0.395 | ng    | # 100  |
| 33) Chrysene                   | 21.36 | 228  | 17630    | 0.417 | ng    | # 99   |
| 34) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 8260     | 0.243 | ng    | # 95   |
| 35) Indeno(1,2,3-cd)pyrene     | 25.86 | 276  | 22426    | 0.435 | ng    | # 100  |
| 37) Benzo(b)fluoranthene       | 22.95 | 252  | 18732    | 0.406 | ng    | # 98   |
| 38) Benzo(k)fluoranthene       | 22.95 | 252  | 18732    | 0.408 | ng    | # 94   |
| 39) Benzo(a)pyrene             | 23.48 | 252  | 16840    | 0.391 | ng    | # 96   |
| 40) Dibenzo(a,h)anthracene     | 25.88 | 278  | 18699    | 0.416 | ng    | # 94   |
| 41) Benzo(g,h,i)perylene       | 26.55 | 276  | 17934    | 0.411 | ng    | # 96   |

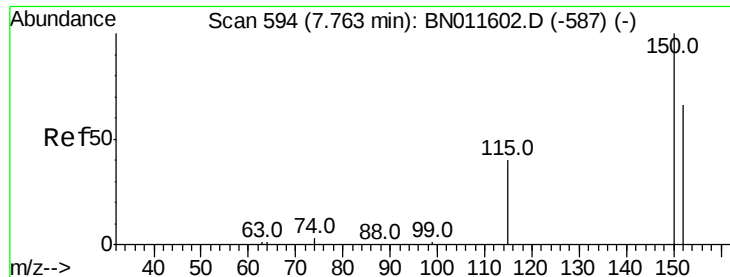
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 25 03:31:11 2020  
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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: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

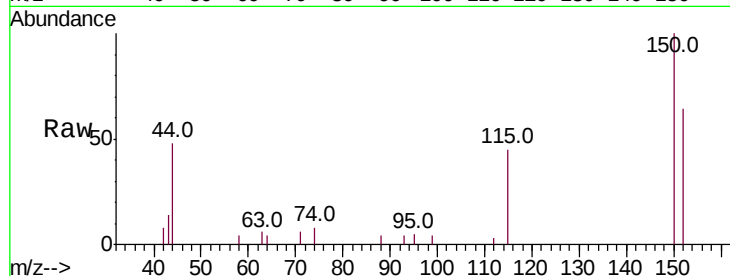
Tot Ion:152 Resp: 2081

Ion Ratio Lower Upper

152 100

150 155.7 112.4 168.6

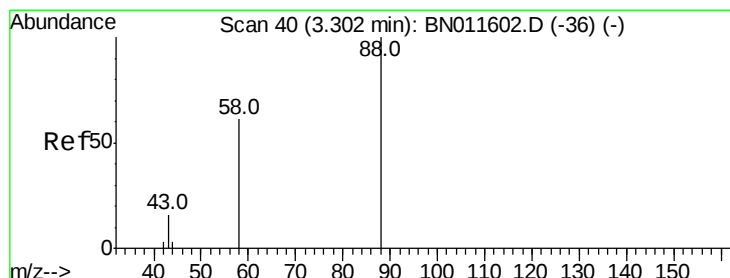
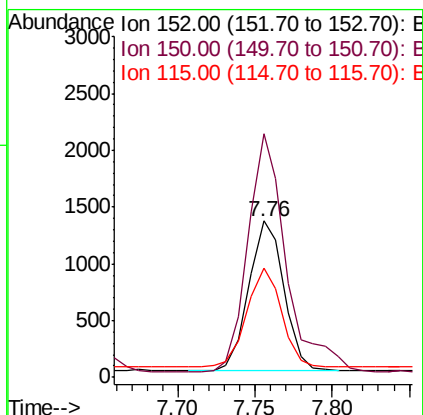
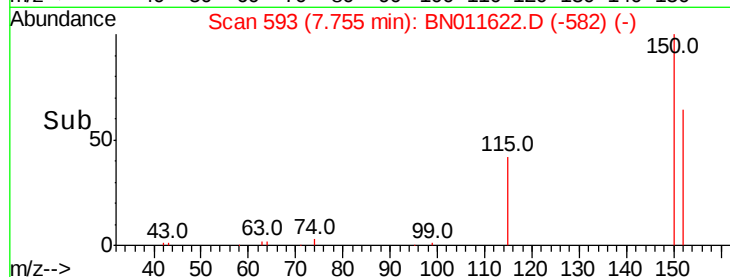
115 69.5 56.9 85.3



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: 0.424 ng

RT: 3.30 min Scan# 40

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

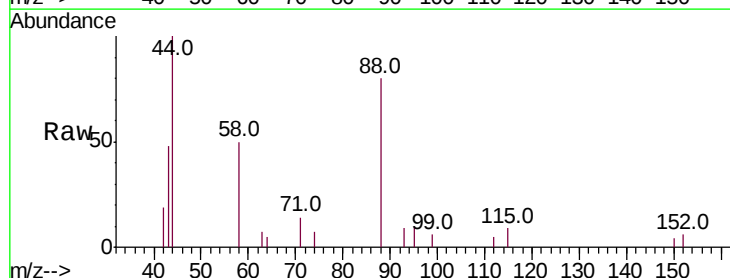
Tgt Ion: 88 Resp: 1368

Ion Ratio Lower Upper

88 100

58 71.6 3.0 4.4#

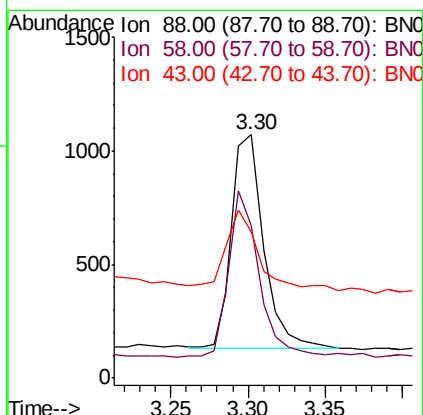
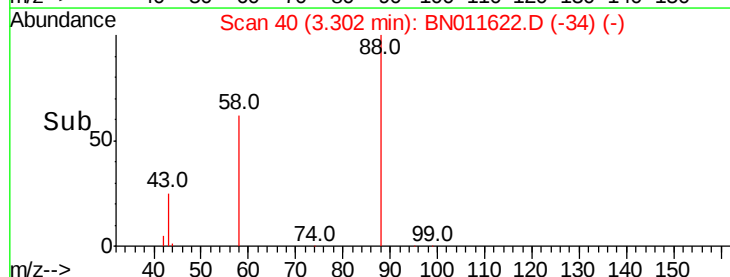
43 38.6 0.0 0.0#

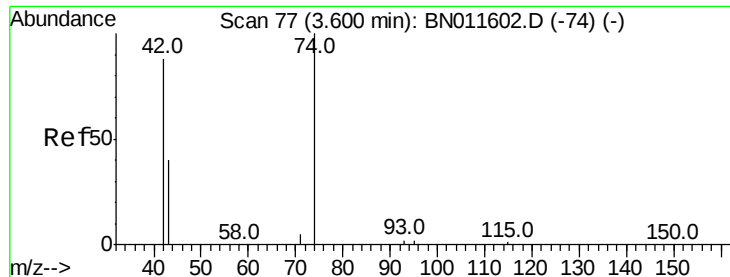


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.448 ng

RT: 3.60 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

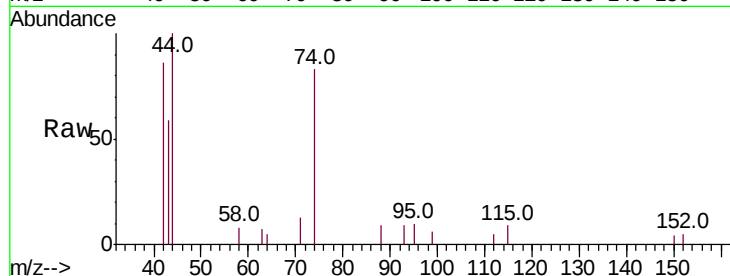
Tot Ion: 42 Resp: 1524

Ion Ratio Lower Upper

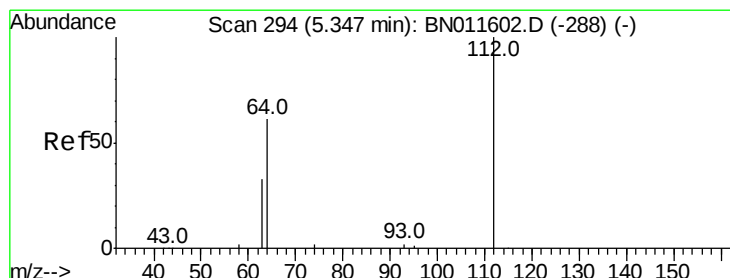
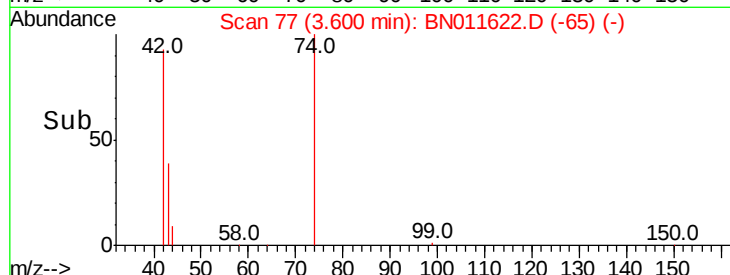
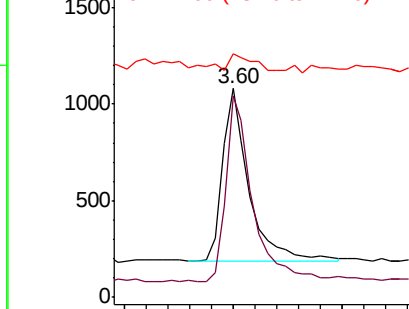
42 100

74 108.3 0.0 0.0#

44 9.4 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: 0.383 ng

RT: 5.35 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

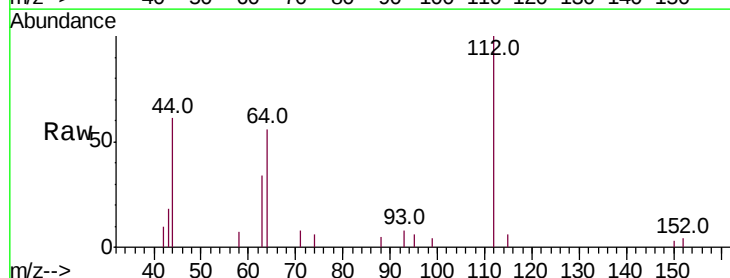
Tgt Ion: 112 Resp: 2548

Ion Ratio Lower Upper

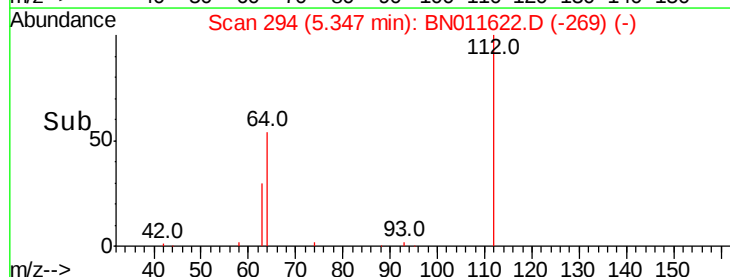
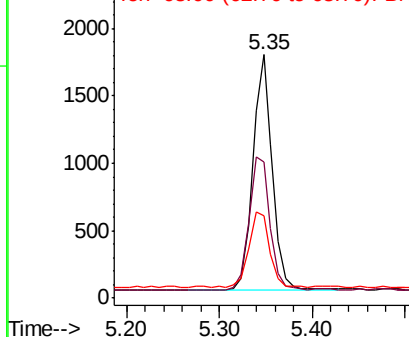
112 100

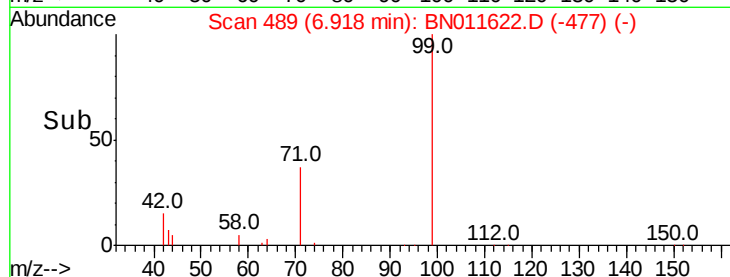
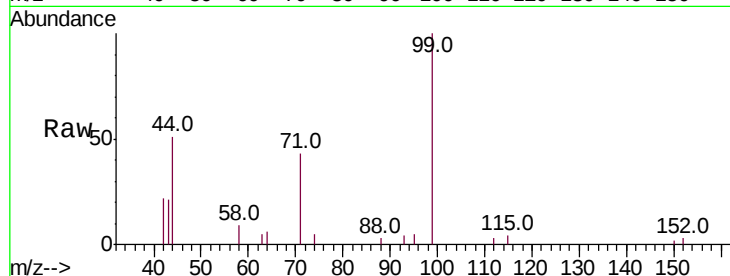
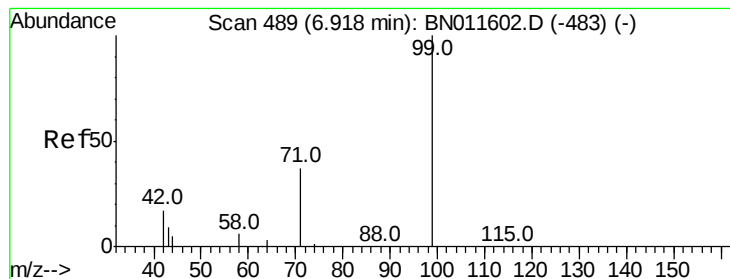
64 60.3 49.6 74.4

63 34.5 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: 0.369 ng

RT: 6.92 min Scan# 489

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

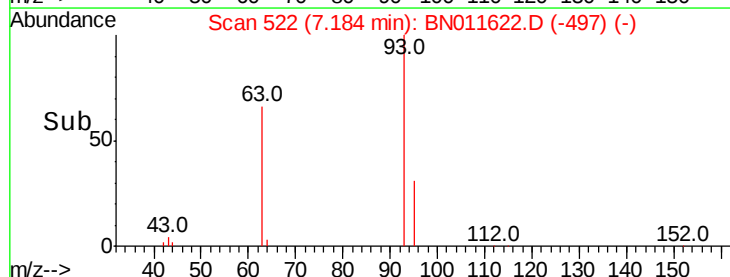
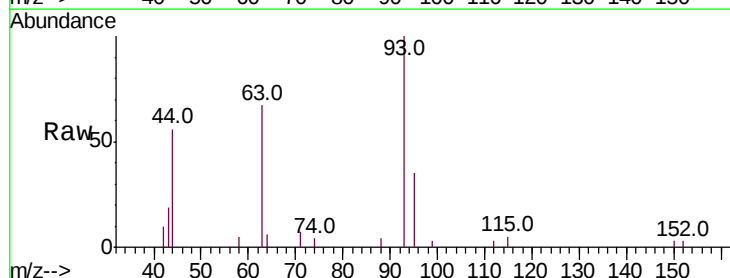
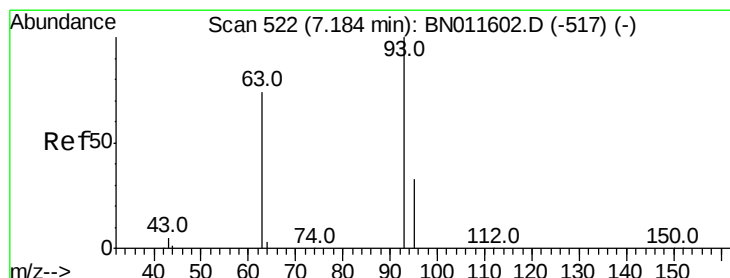
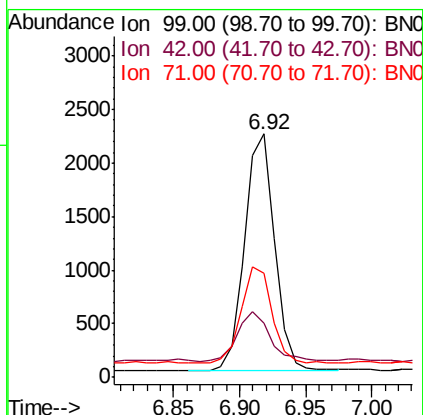
Tot Ion: 99 Resp: 3474

Ion Ratio Lower Upper

99 100

42 23.0 0.0 0.0#

71 41.7 0.0 0.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.408 ng

RT: 7.18 min Scan# 522

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

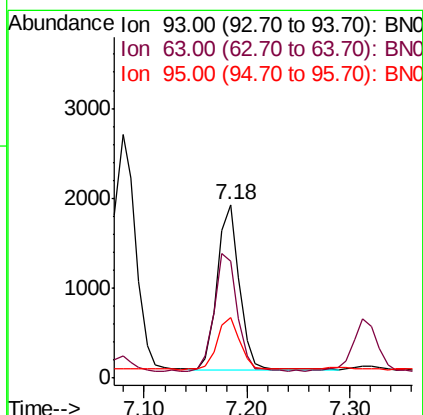
Tgt Ion: 93 Resp: 2730

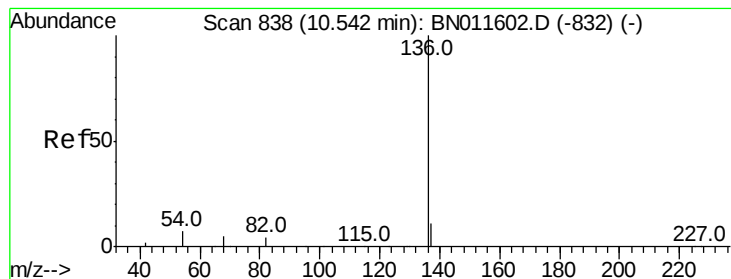
Ion Ratio Lower Upper

93 100

63 73.6 57.8 86.8

95 32.9 28.3 42.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

Tot Ion:136 Resp: 8417

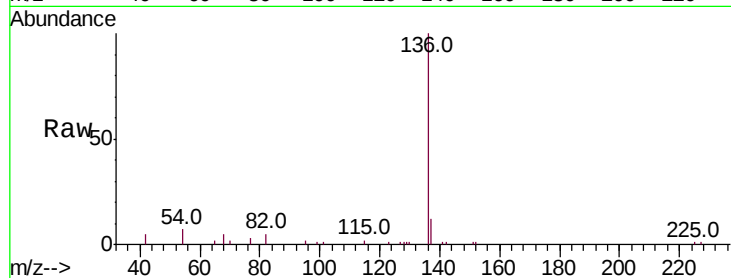
Ion Ratio Lower Upper

136 100

137 11.8 11.5 17.3

54 7.0 11.9 17.9#

68 5.5 12.3 18.5#

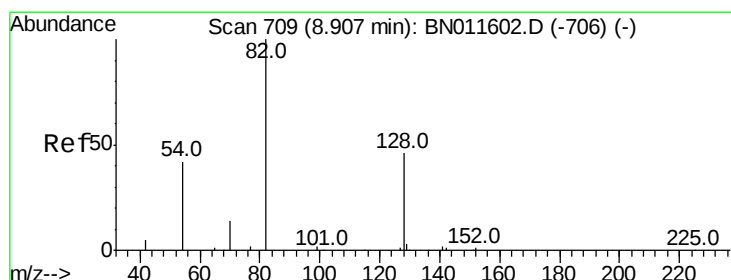
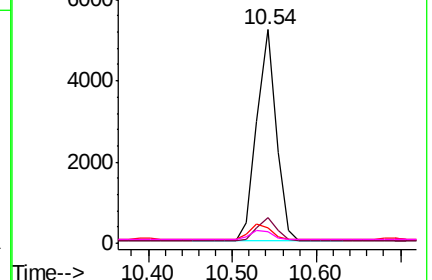
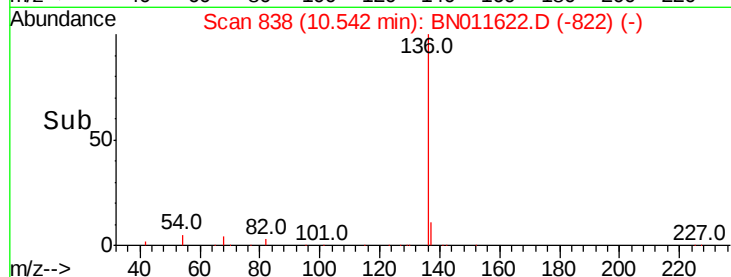


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.425 ng

RT: 8.89 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

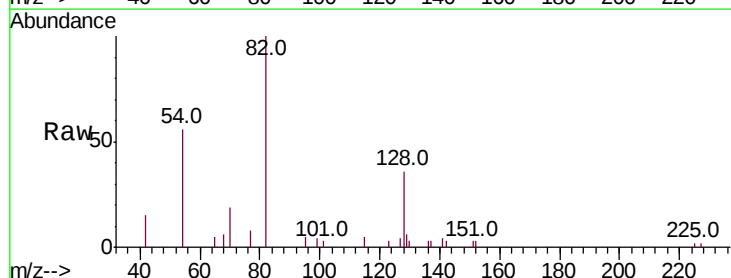
Tgt Ion: 82 Resp: 3101

Ion Ratio Lower Upper

82 100

128 36.2 31.1 46.7

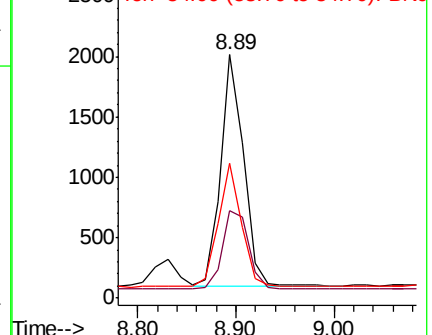
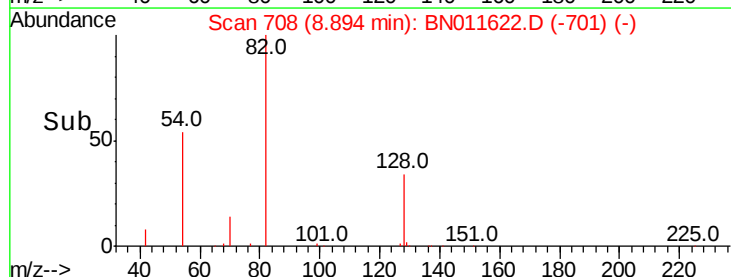
54 55.5 37.1 55.7

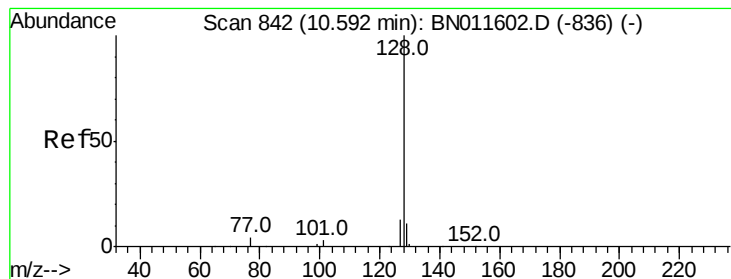


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.399 ng

RT: 10.59 min Scan# 842

Delta R.T. 0.00 min

Lab File: BN011622.D

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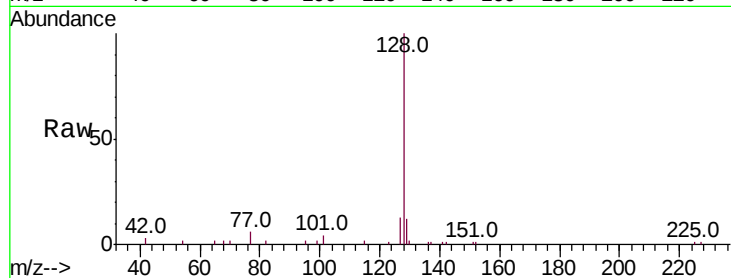
Tot Ion:128 Resp: 9561

Ion Ratio Lower Upper

128 100

129 12.0 11.0 16.4

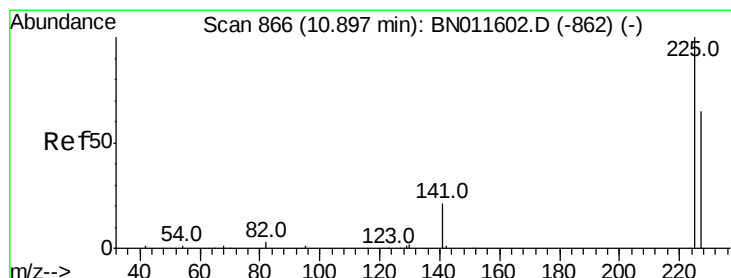
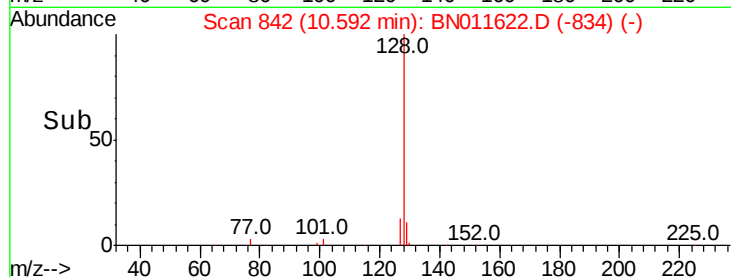
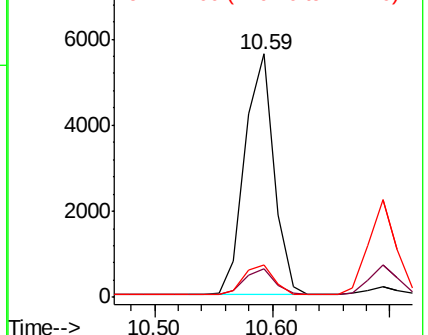
127 13.5 13.5 20.3#



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: 0.413 ng

RT: 10.88 min Scan# 865

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

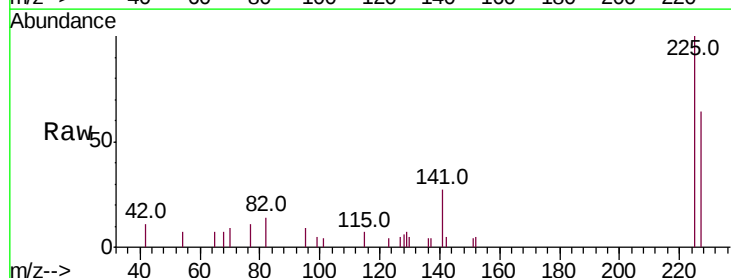
Tgt Ion:225 Resp: 2072

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

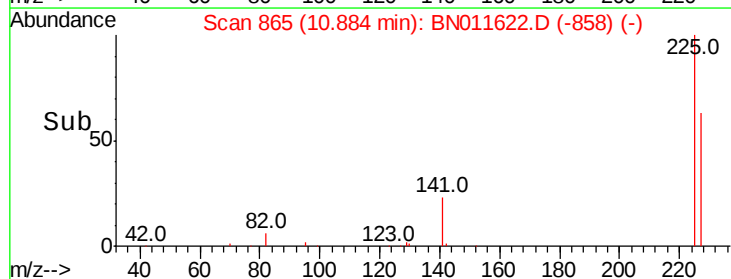
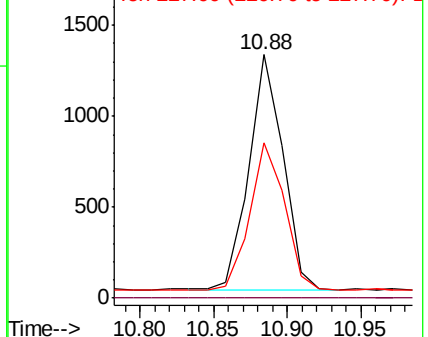
227 63.7 50.2 75.2

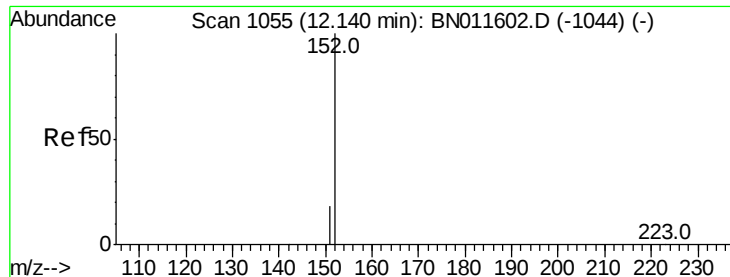


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.14 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

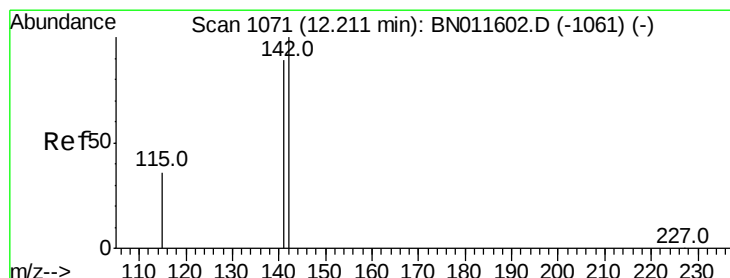
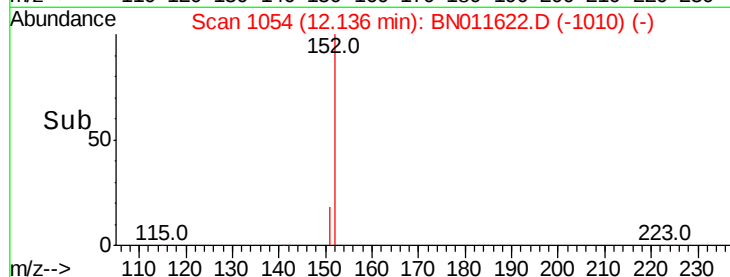
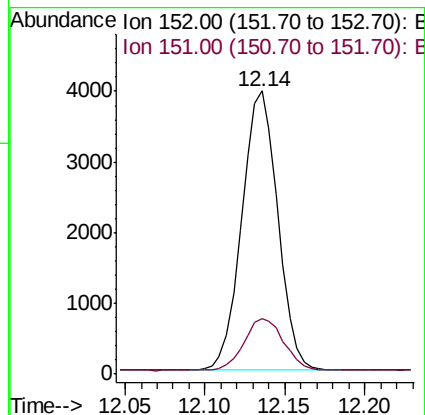
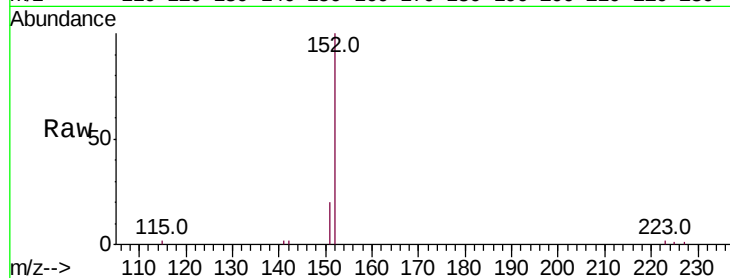
PB131185BS

Tot Ion:152 Resp: 6187

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.394 ng

RT: 12.21 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

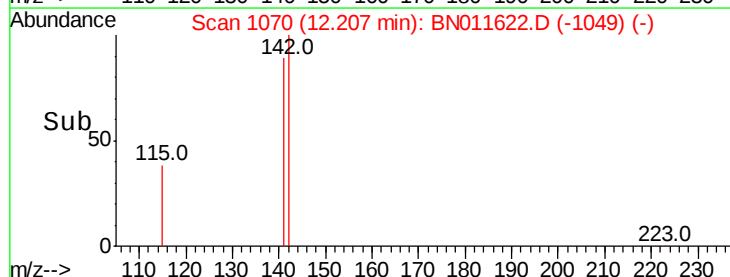
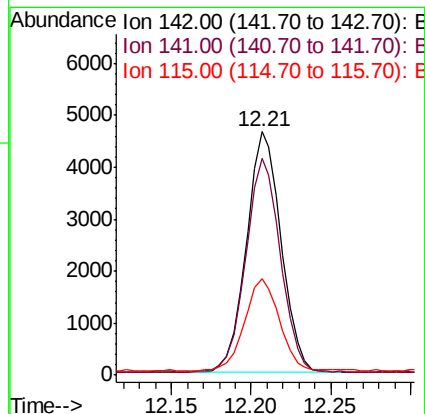
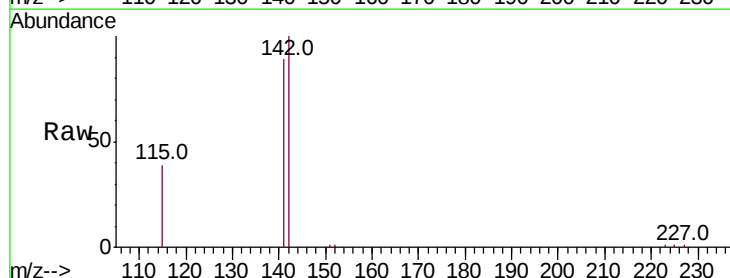
Tgt Ion:142 Resp: 6960

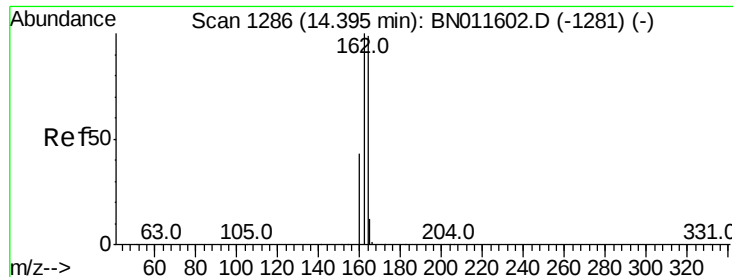
Ion Ratio Lower Upper

142 100

141 88.8 72.7 109.1

115 39.4 32.7 49.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.39 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

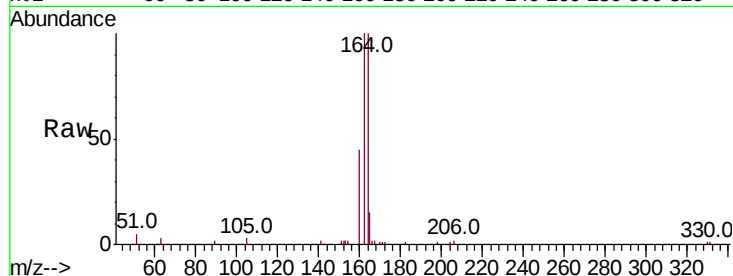
Tot Ion:164 Resp: 5336

Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

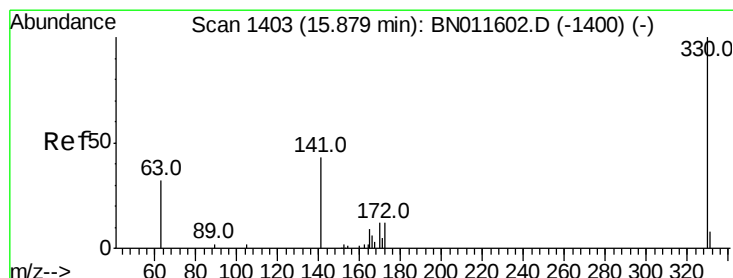
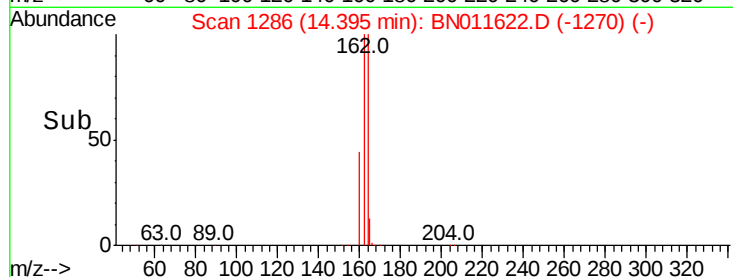
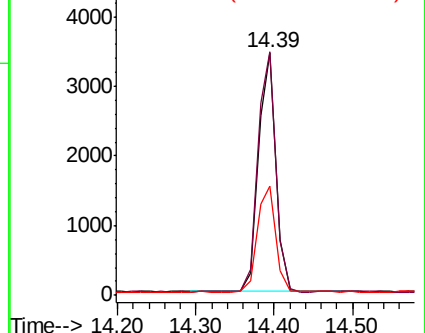
160 44.9 35.6 53.4



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: 0.338 ng

RT: 15.88 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

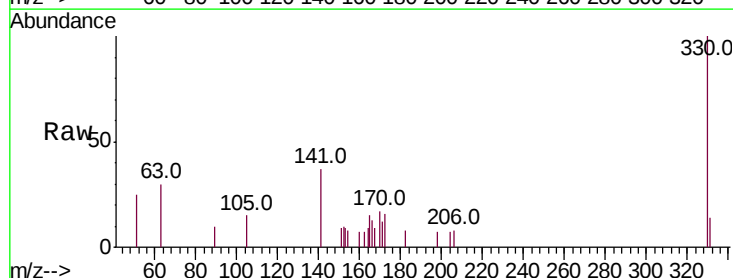
Tgt Ion:330 Resp: 991

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

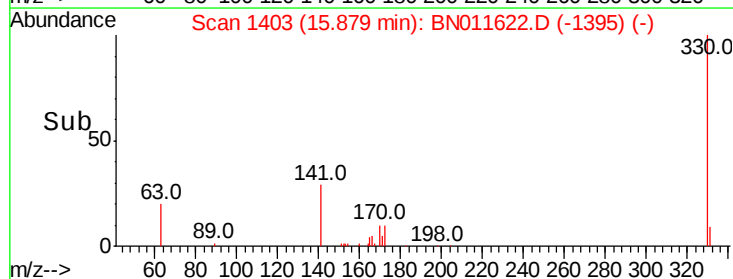
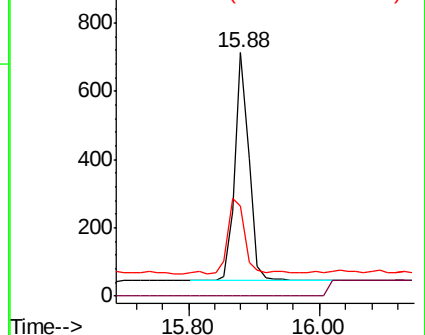
141 37.0 29.4 44.2

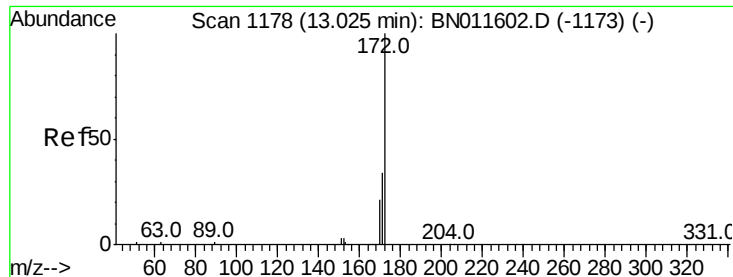


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

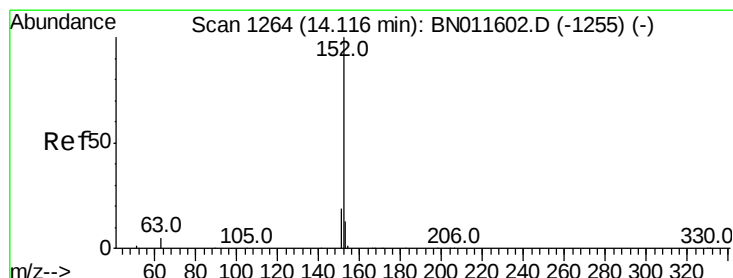
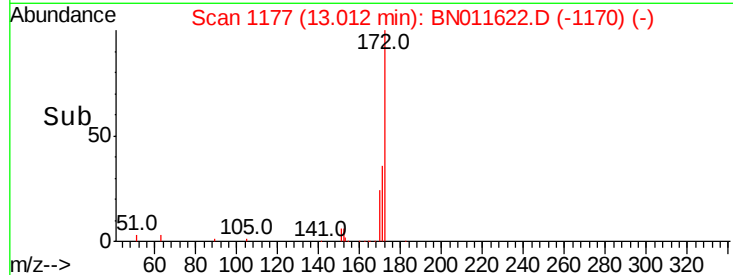
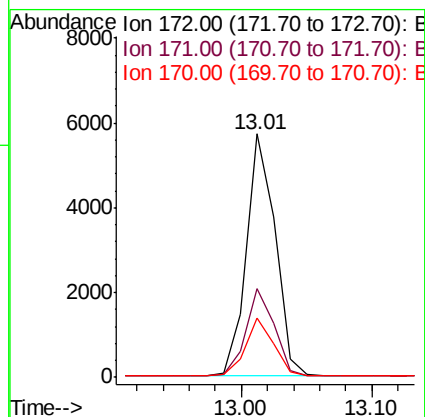
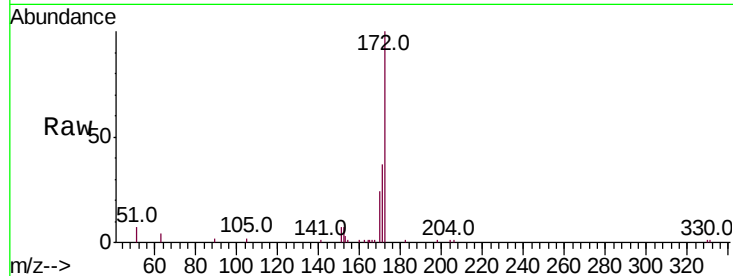




#15  
2-Fluorobiphenyl  
Concen: 0.415 ng  
RT: 13.01 min Scan# 1177  
Delta R.T. -0.01 min  
Lab File: BN011622.D  
Acq: 25 Aug 2020 19:00

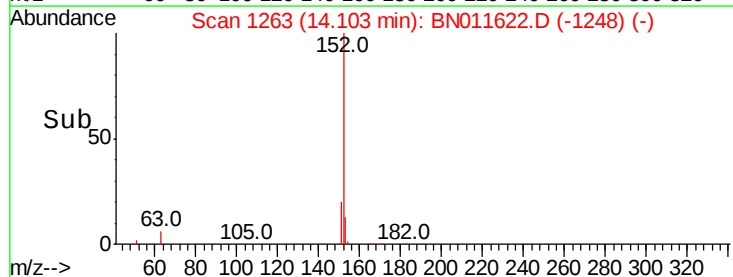
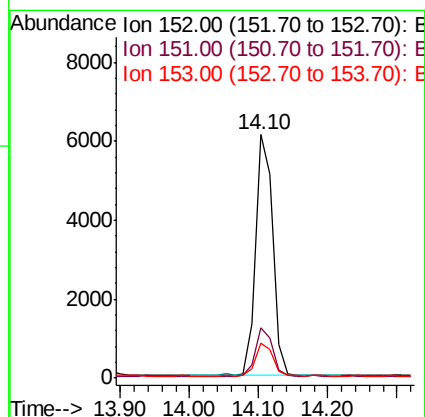
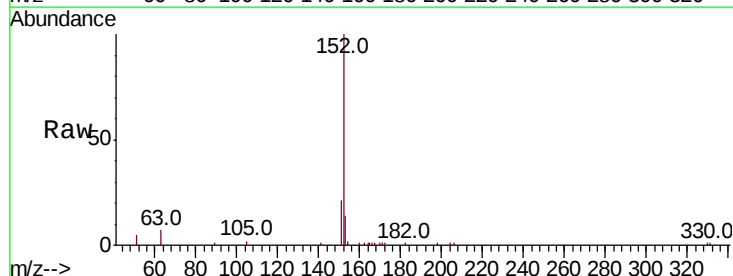
Instrument :  
BNA\_N  
ClientSampleId :  
PB131185BS

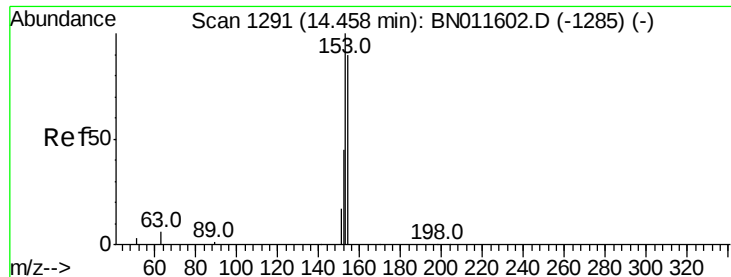
Tot Ion:172 Resp: 8628  
Ion Ratio Lower Upper  
172 100  
171 36.6 28.6 42.8  
170 24.3 18.2 27.2



#16  
Acenaphthylene  
Concen: 0.368 ng  
RT: 14.10 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BN011622.D  
Acq: 25 Aug 2020 19:00

Tgt Ion:152 Resp: 10345  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.2 24.2  
153 13.3 11.0 16.4





#17

Acenaphthene

Concen: 0.399 ng

RT: 14.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

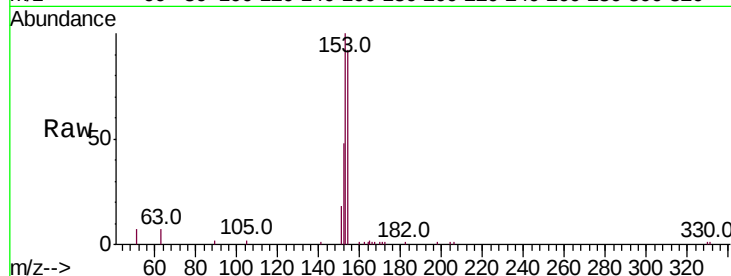
Tot Ion:154 Resp: 7122

Ion Ratio Lower Upper

154 100

153 107.6 86.6 130.0

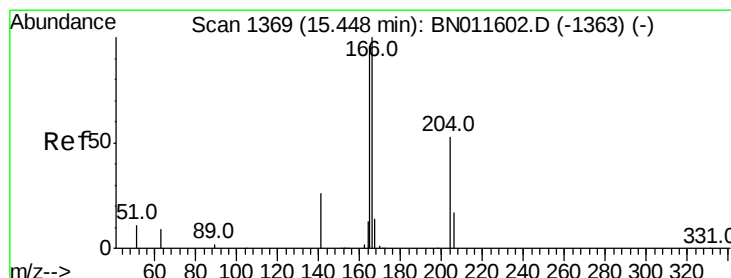
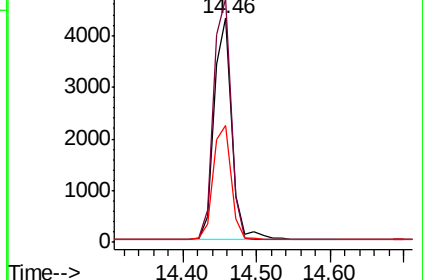
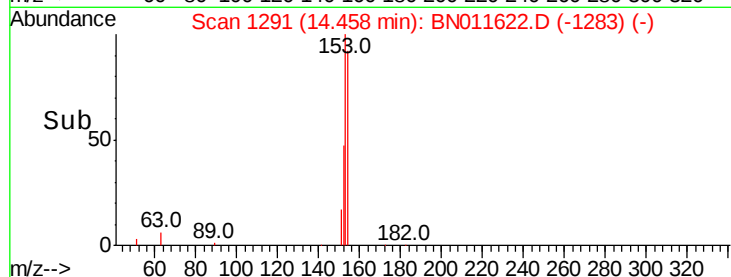
152 52.3 40.1 60.1



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: 0.387 ng

RT: 15.45 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

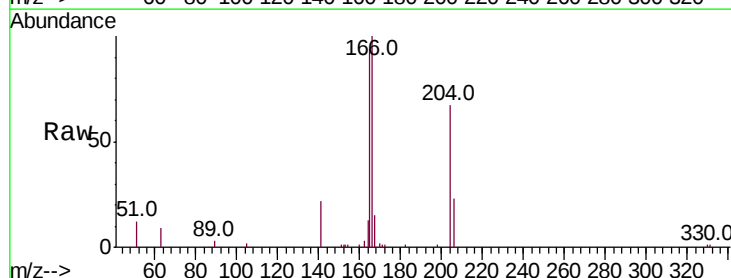
Tgt Ion:166 Resp: 8940

Ion Ratio Lower Upper

166 100

165 97.4 77.4 116.2

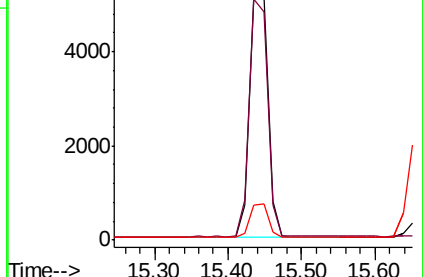
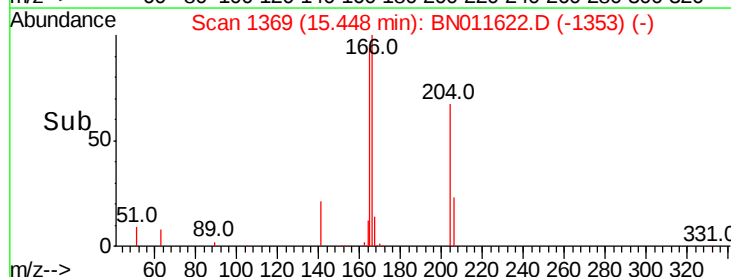
167 13.6 11.5 17.3

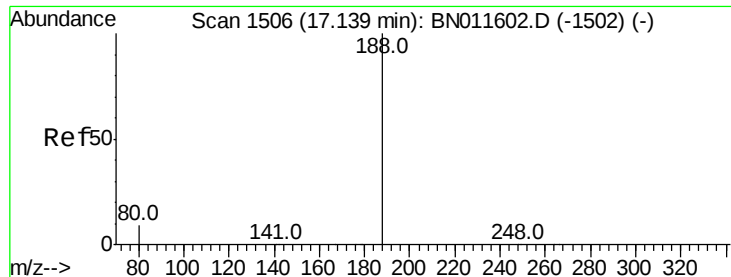


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

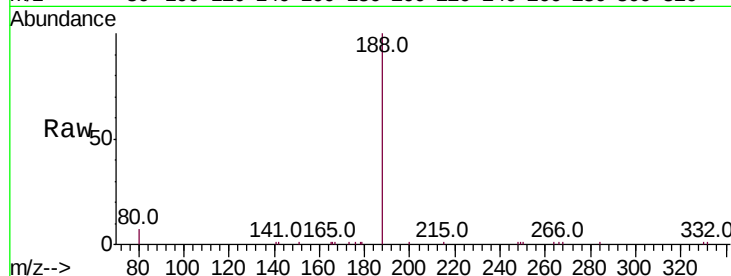
Tot Ion:188 Resp: 11707

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

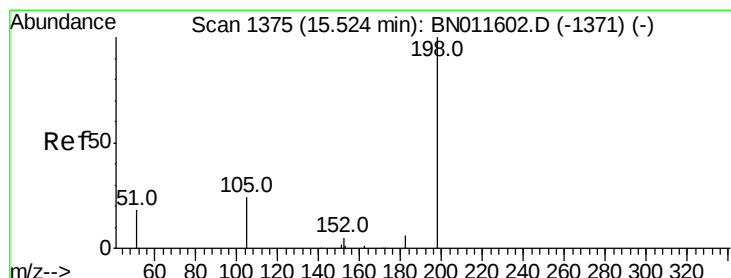
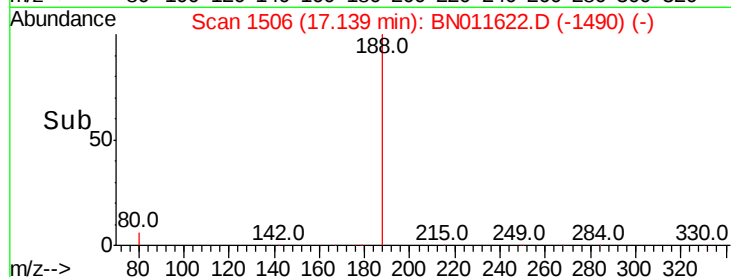
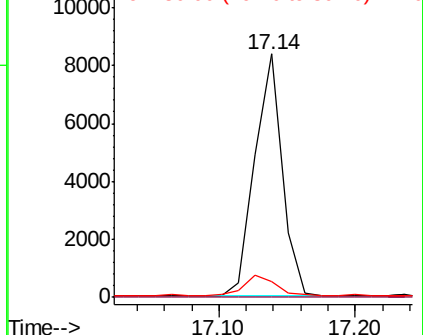
80 6.6 9.2 13.8#



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: 0.455 ng

RT: 15.51 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

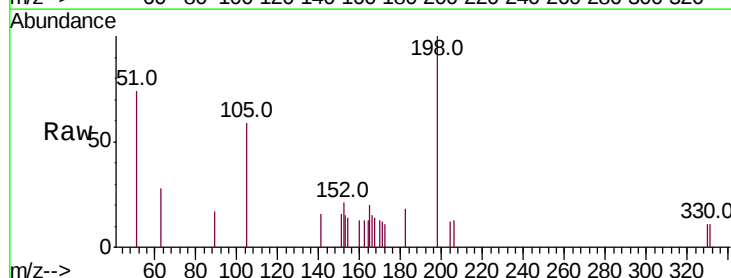
Tgt Ion:198 Resp: 614

Ion Ratio Lower Upper

198 100

51 74.4 99.6 149.4#

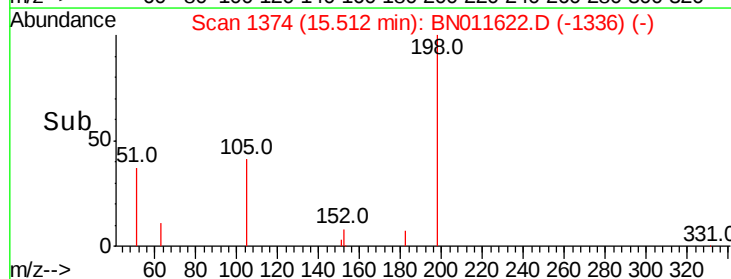
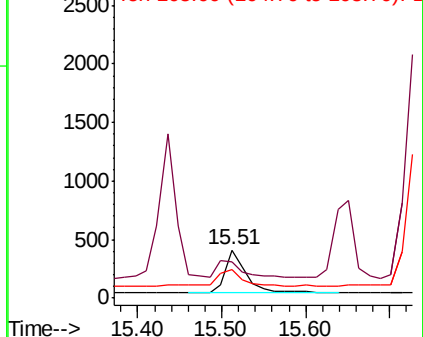
105 58.5 118.8 178.2#

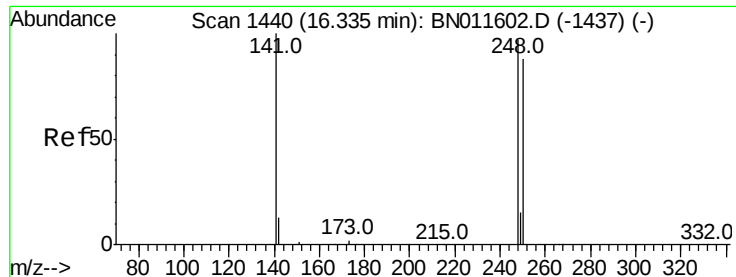


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

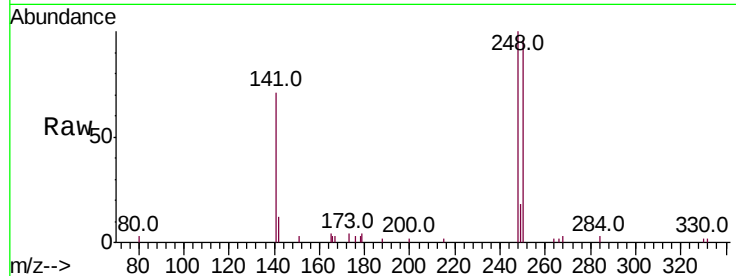




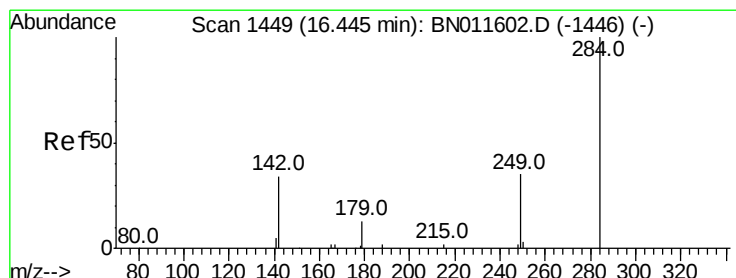
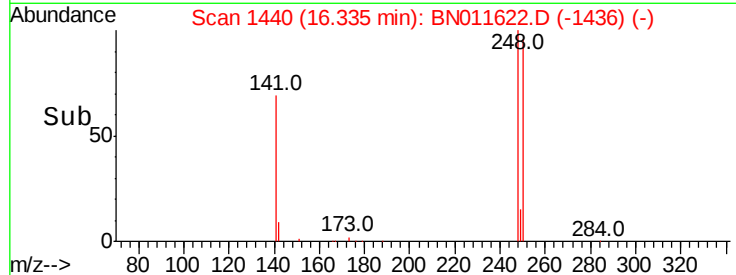
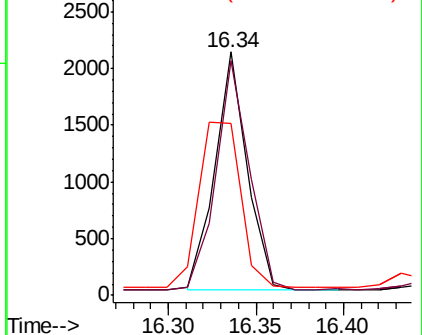
#21  
4-Bromophenyl-phenylether  
Concen: 0.394 ng  
RT: 16.34 min Scan# 1440  
Delta R.T. 0.00 min  
Lab File: BN011622.D  
Acq: 25 Aug 2020 19:00

Instrument :  
BNA\_N  
ClientSampleId :  
PB131185BS

Tot Ion:248 Resp: 2689  
Ion Ratio Lower Upper  
248 100  
250 96.3 73.4 110.2  
141 70.7 88.5 132.7#

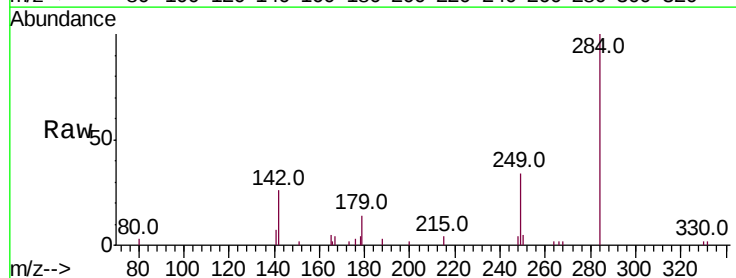


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

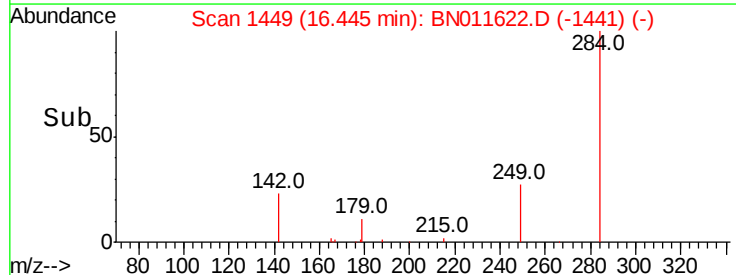
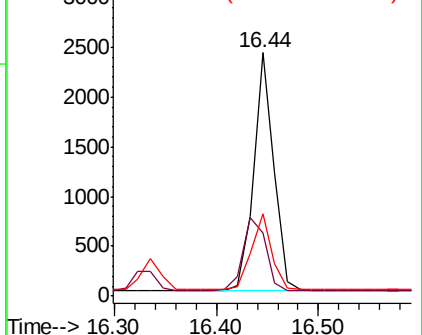


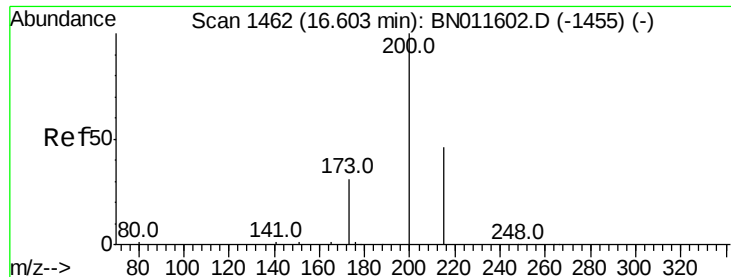
#22  
Hexachlorobenzene  
Concen: 0.416 ng  
RT: 16.44 min Scan# 1449  
Delta R.T. 0.00 min  
Lab File: BN011622.D  
Acq: 25 Aug 2020 19:00

Tgt Ion:284 Resp: 3281  
Ion Ratio Lower Upper  
284 100  
142 34.2 27.3 40.9  
249 32.4 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: 0.267 ng

RT: 16.60 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

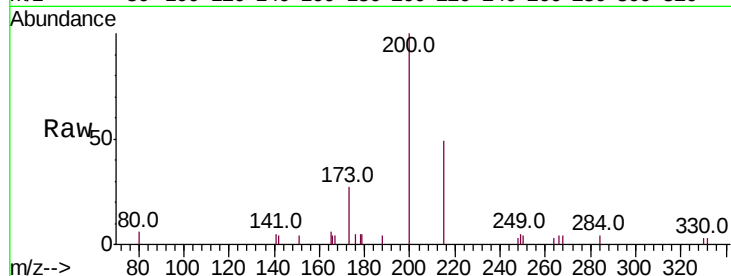
Tot Ion:200 Resp: 1804

Ion Ratio Lower Upper

200 100

173 27.5 28.2 42.4#

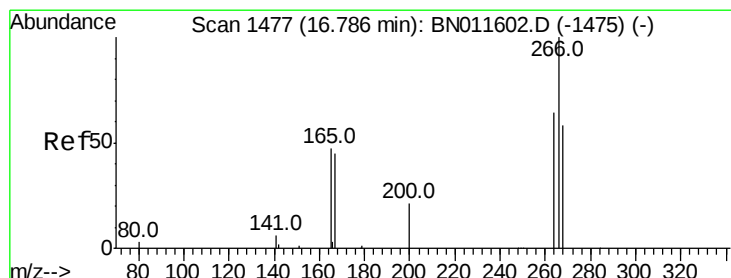
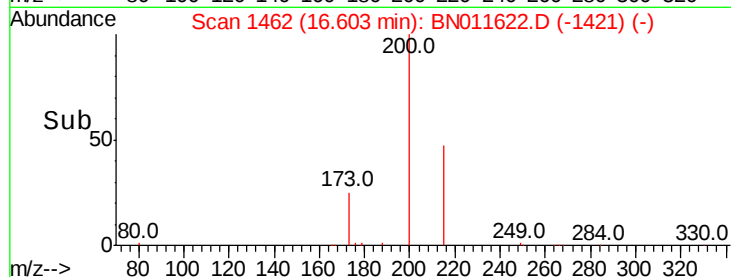
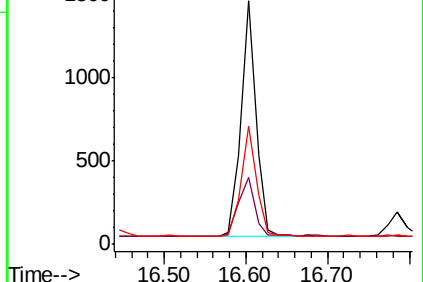
215 48.7 39.8 59.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.338 ng

RT: 16.79 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

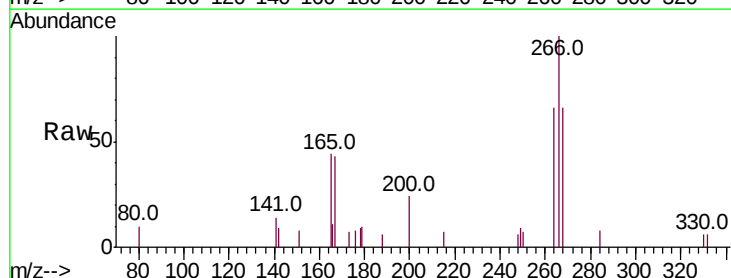
Tgt Ion:266 Resp: 1179

Ion Ratio Lower Upper

266 100

264 61.7 48.1 72.1

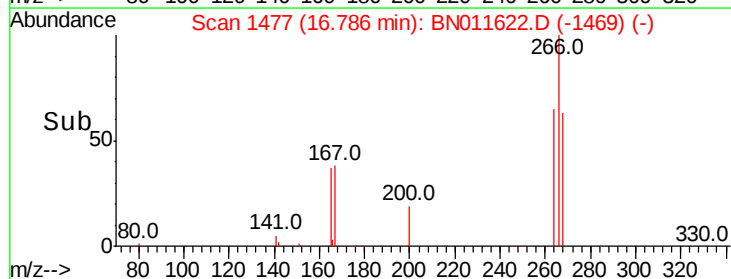
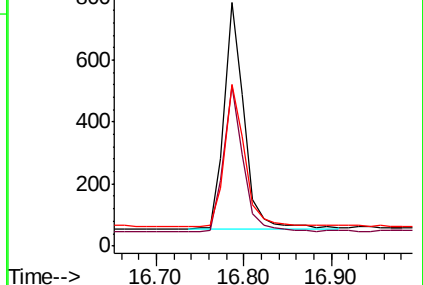
268 64.2 48.4 72.6

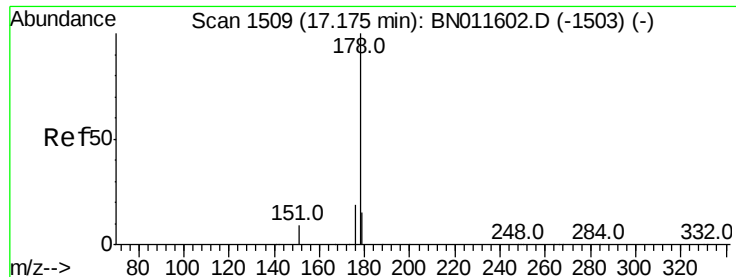


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.400 ng

RT: 17.18 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

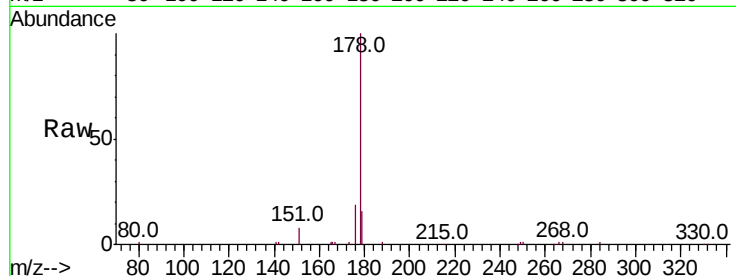
Tot Ion:178 Resp: 14555

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

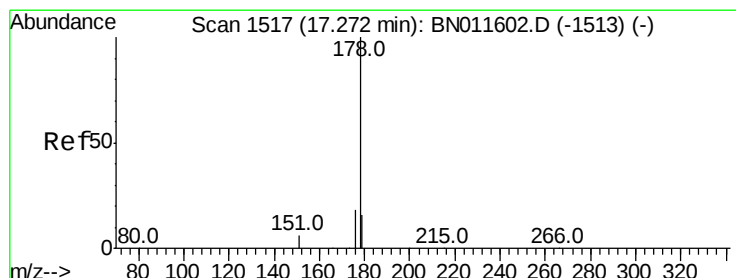
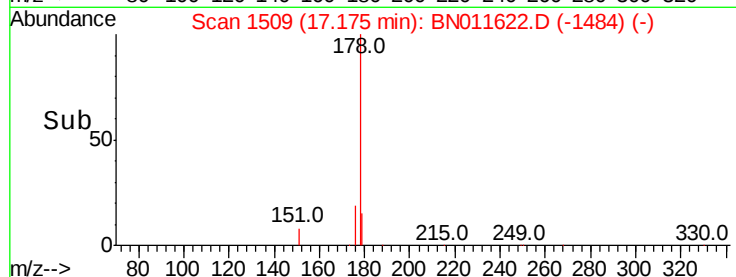
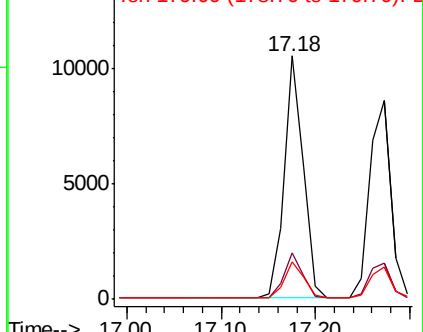
179 15.4 12.6 18.8



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



#26

Anthracene

Concen: 0.374 ng

RT: 17.27 min Scan# 1517

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

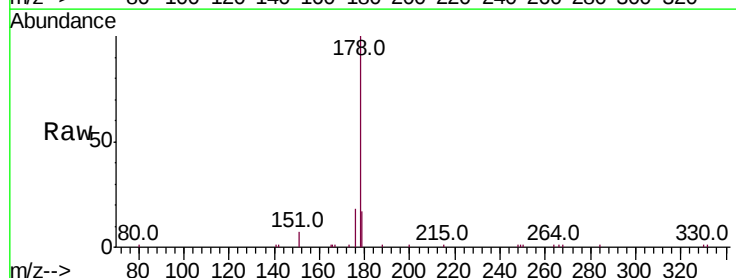
Tgt Ion:178 Resp: 13414

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

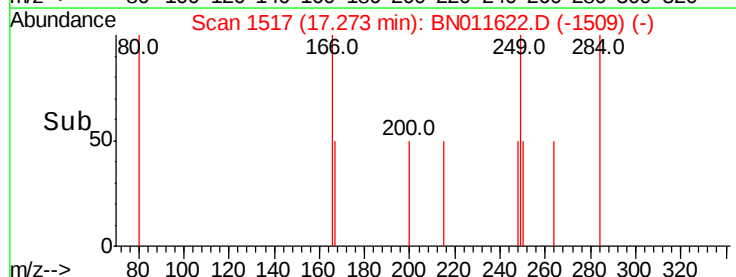
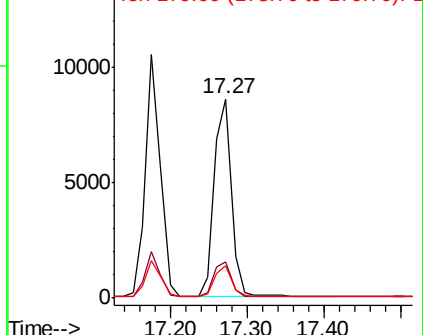
179 15.4 12.5 18.7

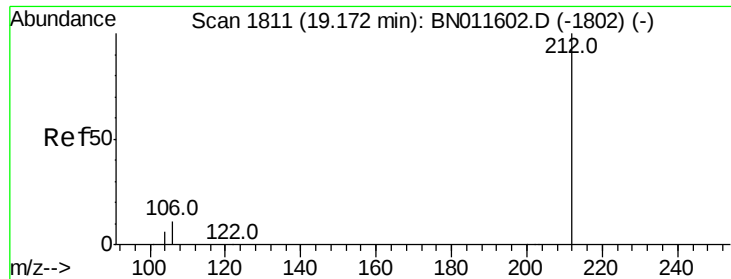


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#27

Fluoranthene-d10

Concen: 0.381 ng

RT: 19.17 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

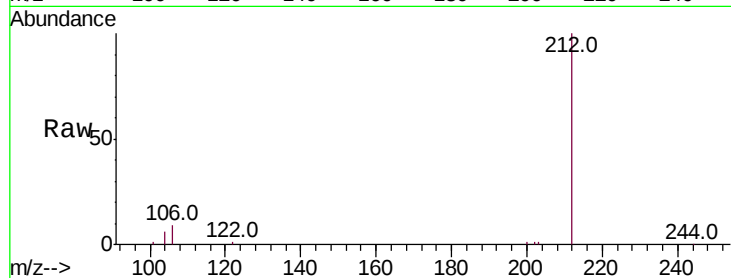
Tot Ion:212 Resp: 14526

Ion Ratio Lower Upper

212 100

106 9.9 8.9 13.3

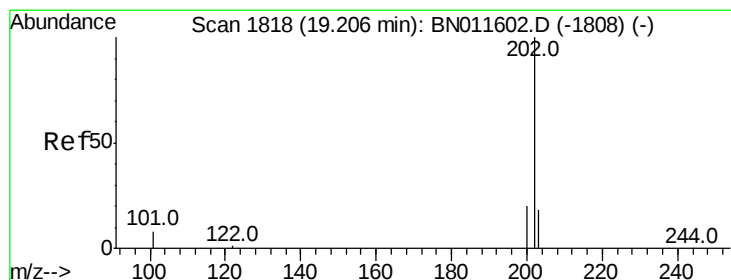
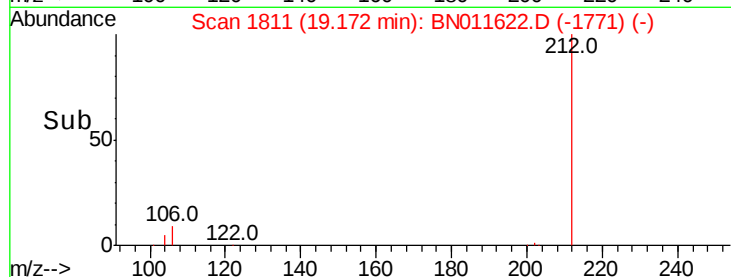
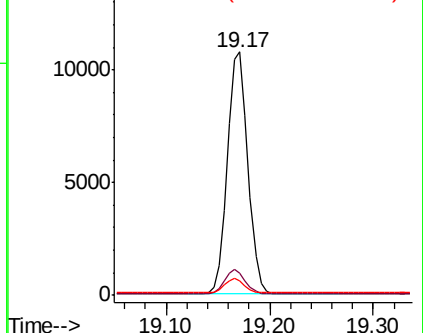
104 6.0 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#28

Fluoranthene

Concen: 0.391 ng

RT: 19.20 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

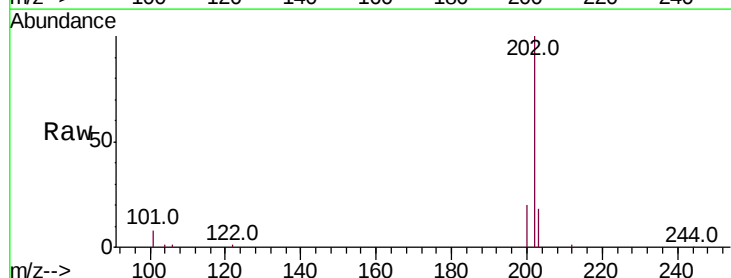
Tgt Ion:202 Resp: 17223

Ion Ratio Lower Upper

202 100

101 8.9 7.7 11.5

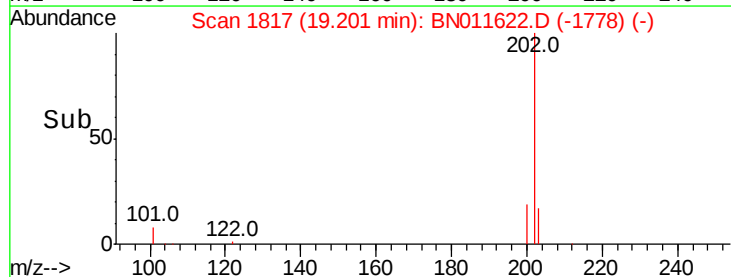
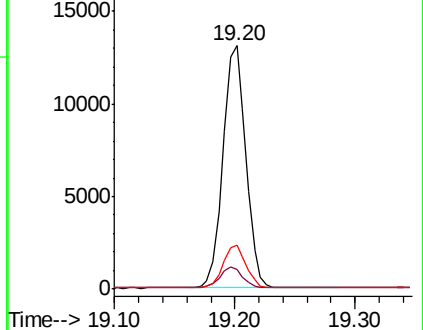
203 17.4 13.9 20.9

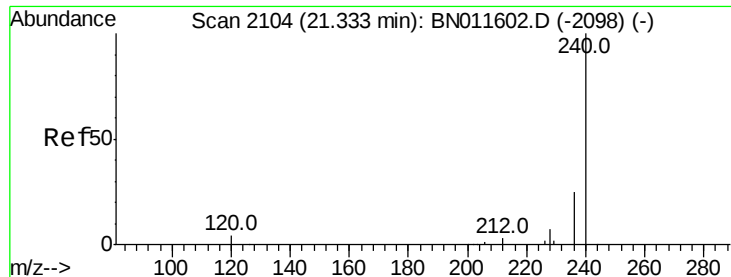


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

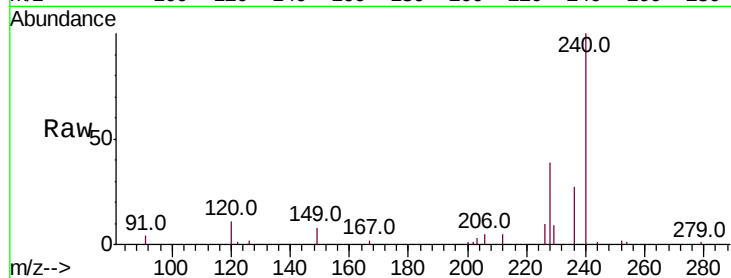
Tot Ion:240 Resp: 12297

Ion Ratio Lower Upper

240 100

120 10.8 6.0 9.0#

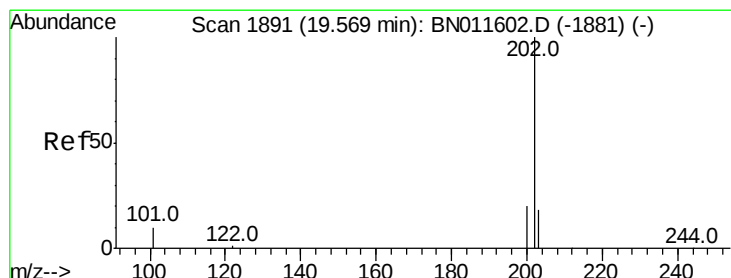
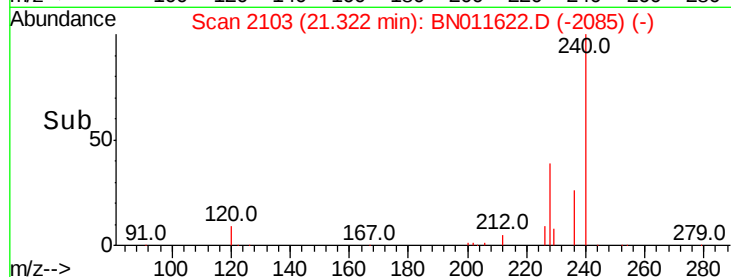
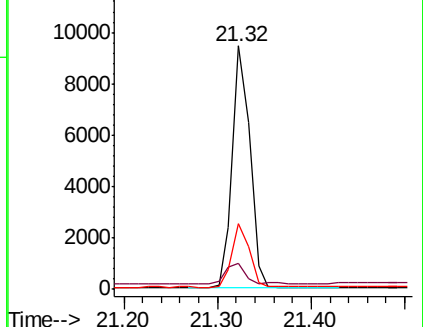
236 27.2 20.8 31.2



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: 0.402 ng

RT: 19.56 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

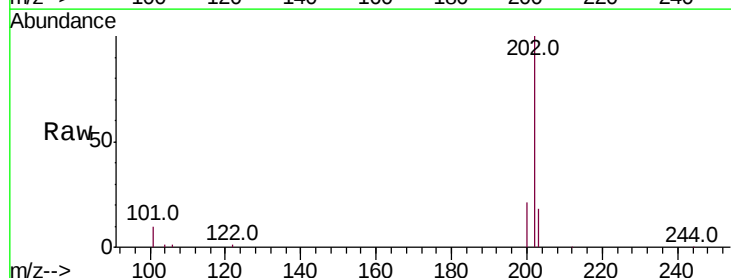
Tgt Ion:202 Resp: 17526

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

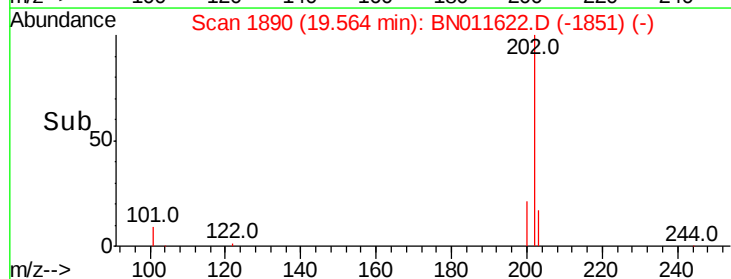
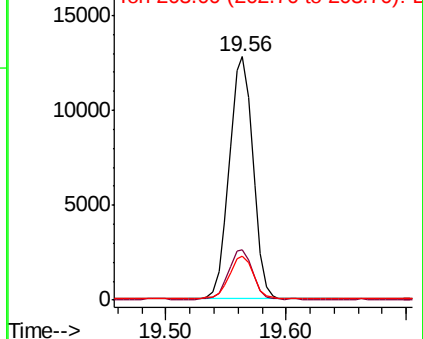
203 17.6 14.2 21.4

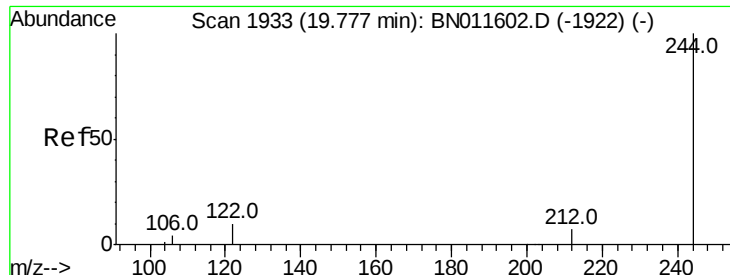


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.414 ng

RT: 19.77 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

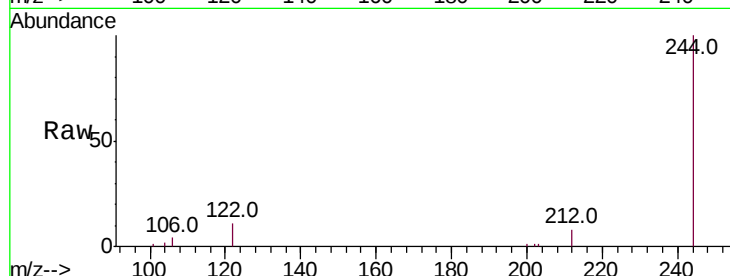
Tot Ion:244 Resp: 12995

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

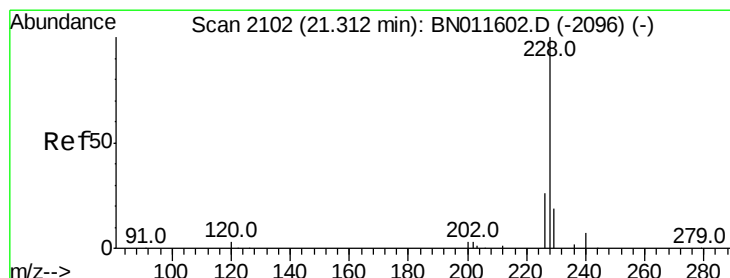
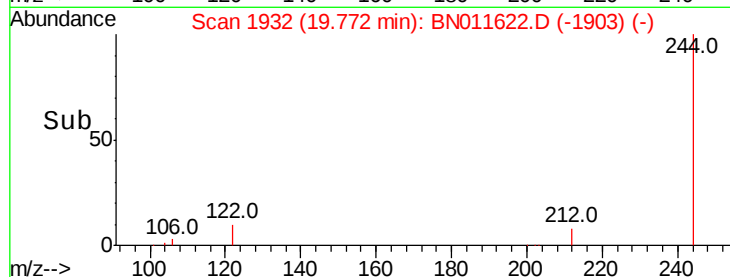
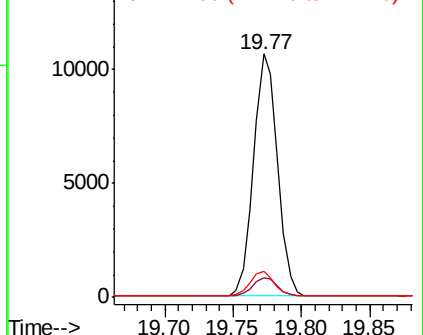
122 10.5 9.5 14.3



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: 0.395 ng

RT: 21.31 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

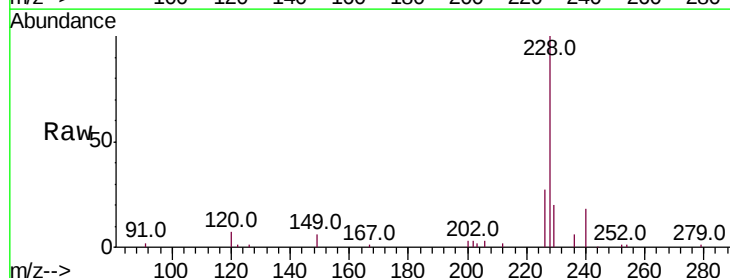
Tgt Ion:228 Resp: 17502

Ion Ratio Lower Upper

228 100

226 26.5 21.2 31.8

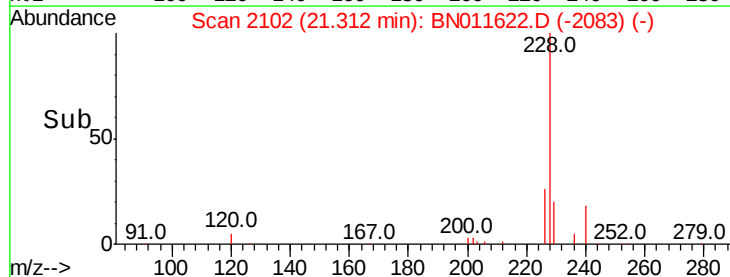
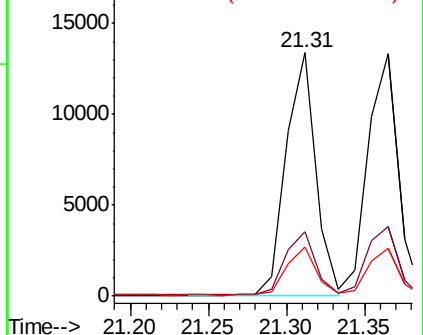
229 20.0 15.8 23.8

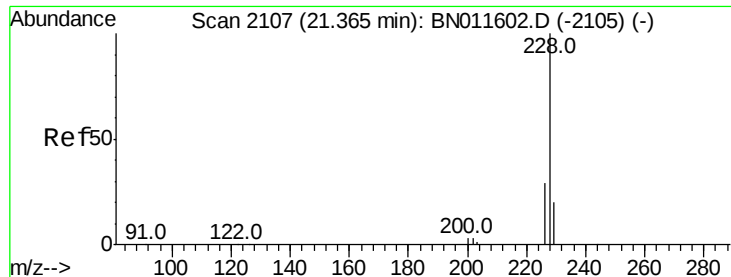


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.417 ng

RT: 21.36 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

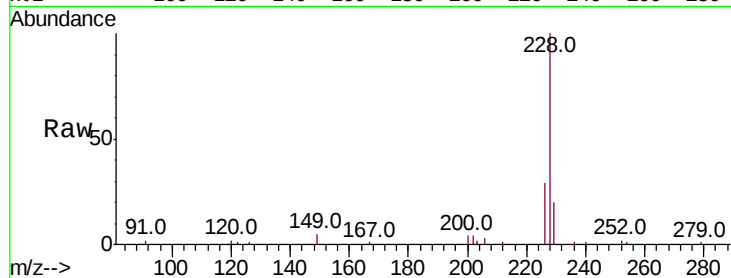
Tot Ion:228 Resp: 17630

Ion Ratio Lower Upper

228 100

226 28.9 23.6 35.4

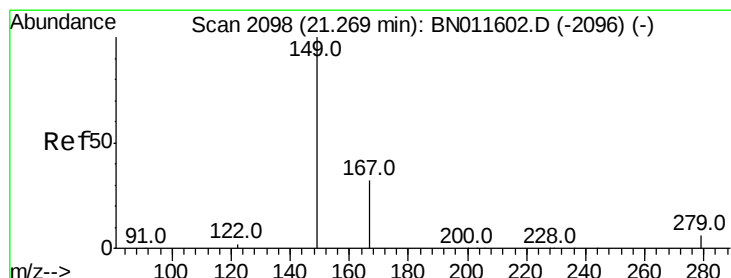
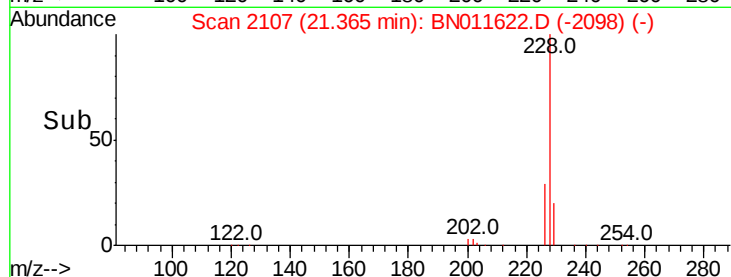
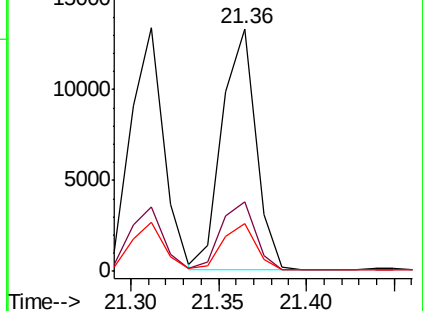
229 19.9 16.0 24.0



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: 0.243 ng

RT: 21.26 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

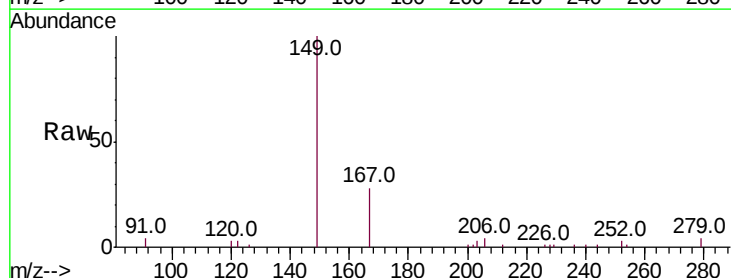
Tgt Ion:149 Resp: 8260

Ion Ratio Lower Upper

149 100

167 28.9 20.6 31.0

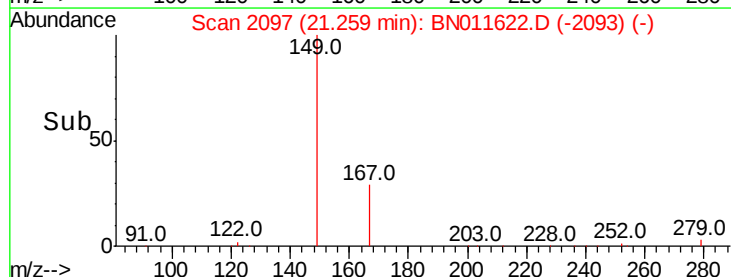
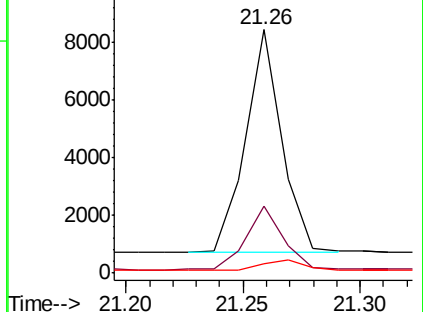
279 5.0 3.8 5.8

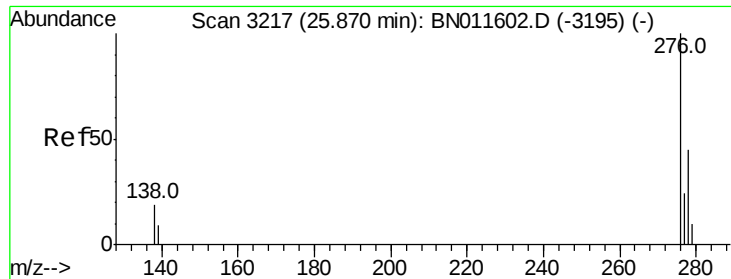


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.435 ng

RT: 25.86 min Scan# 3215

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

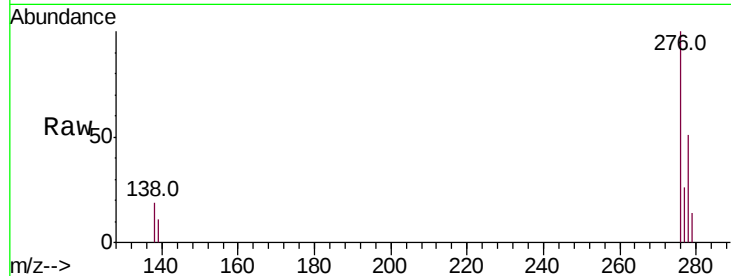
Tot Ion:276 Resp: 22426

Ion Ratio Lower Upper

276 100

138 20.2 0.0 0.0#

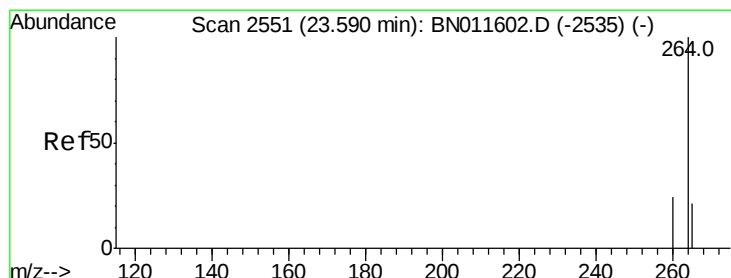
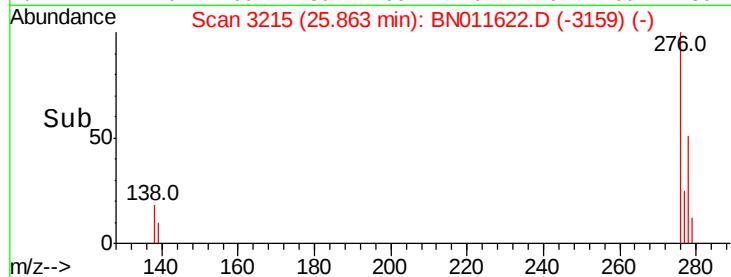
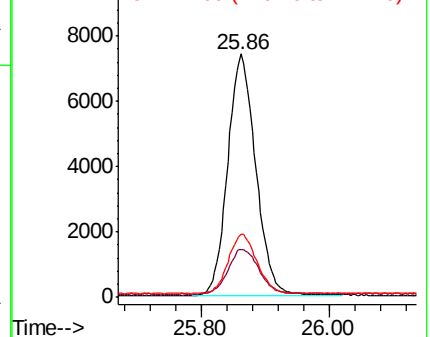
277 25.4 0.0 0.0#



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.59 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

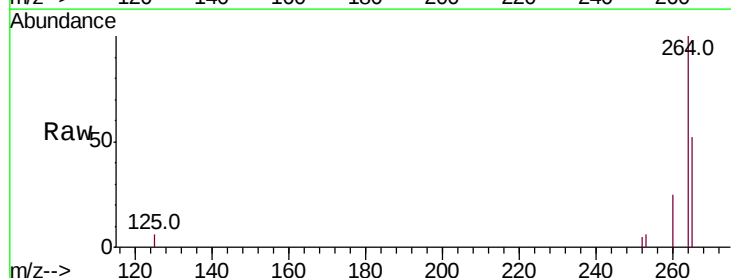
Tgt Ion:264 Resp: 12743

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

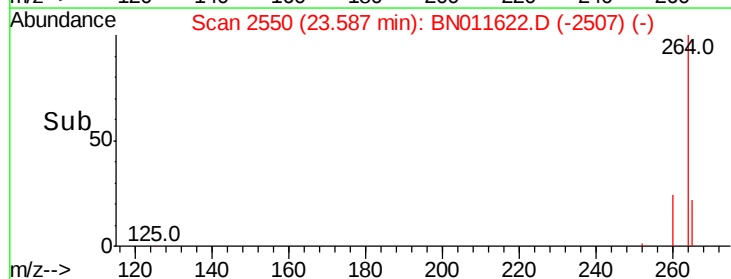
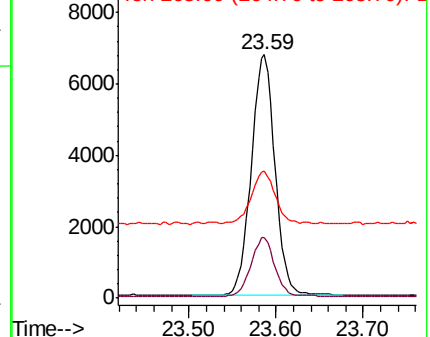
265 52.3 40.7 61.1

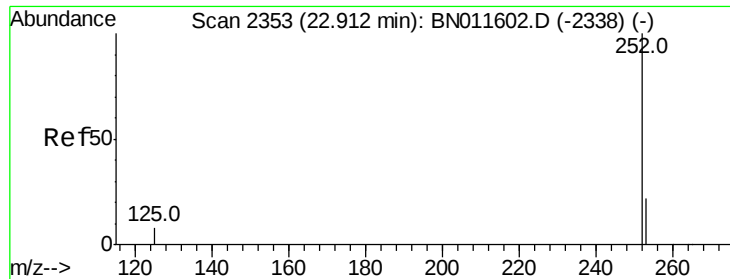


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 0.406 ng

RT: 22.95 min Scan# 2364

Delta R.T. 0.04 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

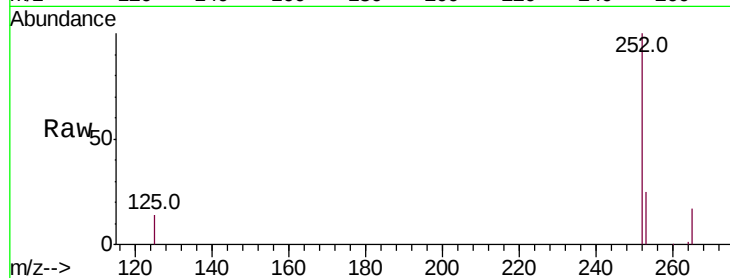
Tot Ion:252 Resp: 18732

Ion Ratio Lower Upper

252 100

253 25.1 21.0 31.6

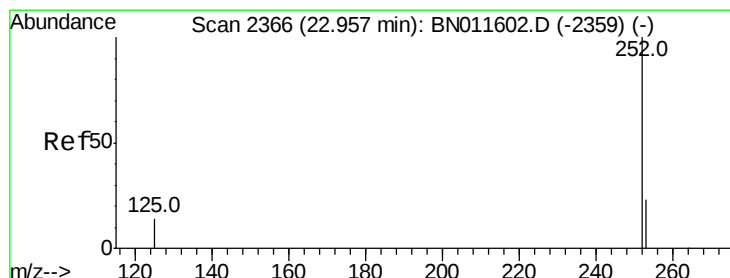
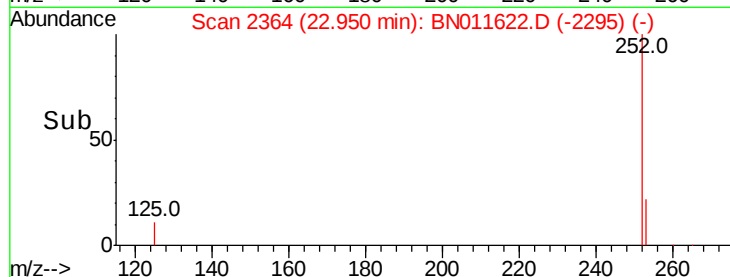
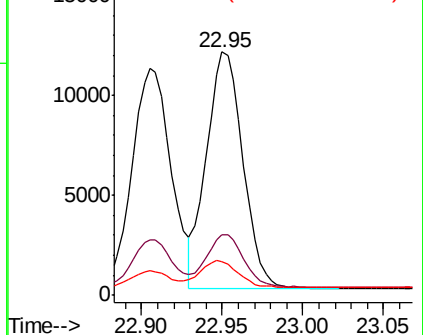
125 13.7 11.0 16.6



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: 0.408 ng

RT: 22.95 min Scan# 2364

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

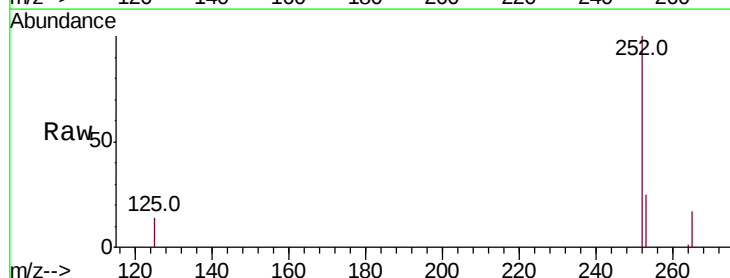
Tgt Ion:252 Resp: 18732

Ion Ratio Lower Upper

252 100

253 25.1 21.2 31.8

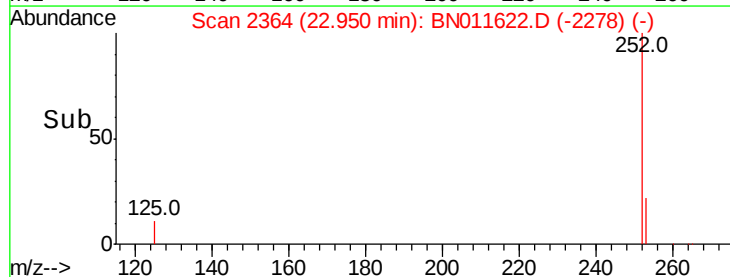
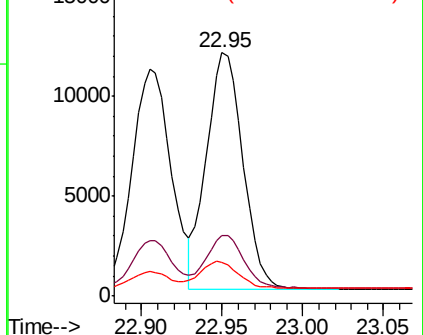
125 13.7 14.6 21.8#

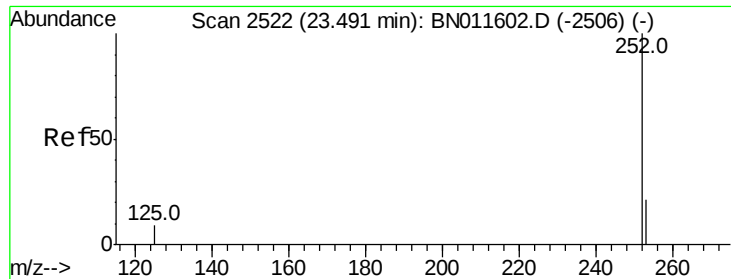


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.48 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

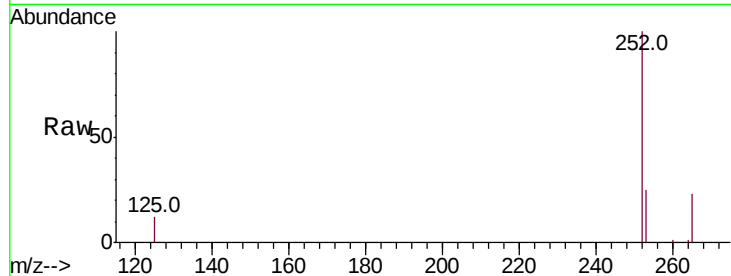
Tot Ion:252 Resp: 16840

Ion Ratio Lower Upper

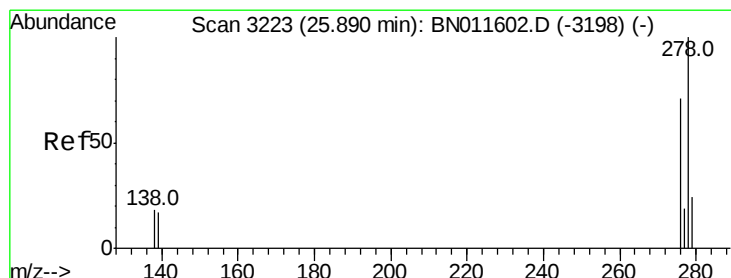
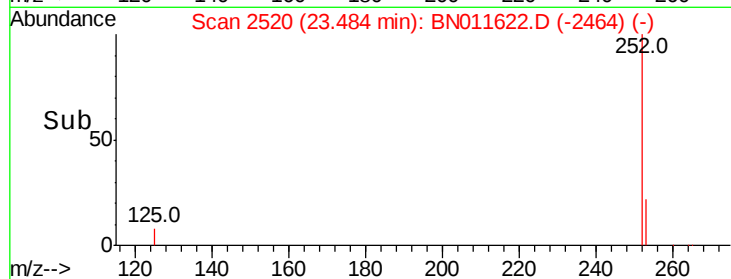
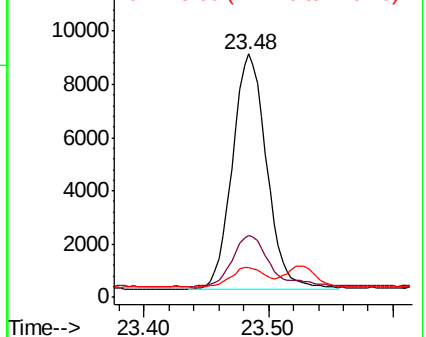
252 100

253 25.4 21.2 31.8

125 12.2 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: 0.416 ng

RT: 25.88 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

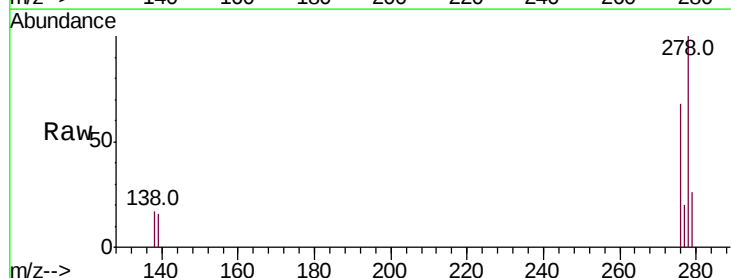
Tgt Ion:278 Resp: 18699

Ion Ratio Lower Upper

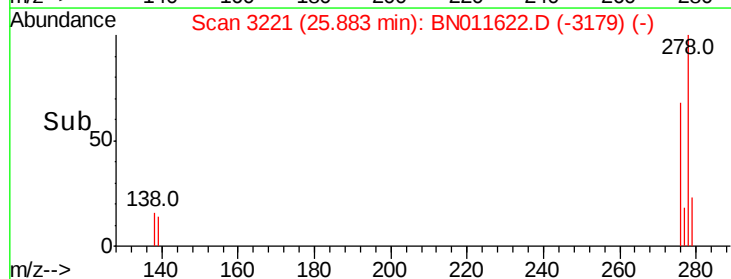
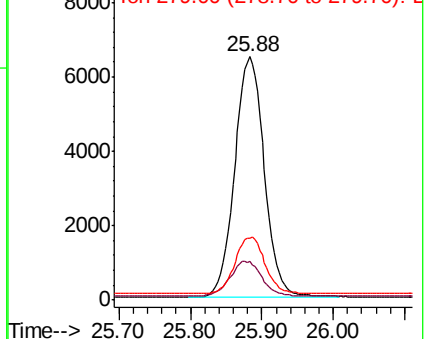
278 100

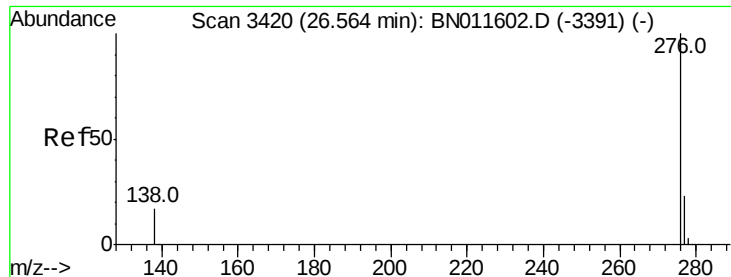
139 15.8 16.6 25.0#

279 25.5 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: 0.411 ng

RT: 26.55 min Scan# 3417

Delta R.T. -0.01 min

Lab File: BN011622.D

Acq: 25 Aug 2020 19:00

Instrument :

BNA\_N

ClientSampleId :

PB131185BS

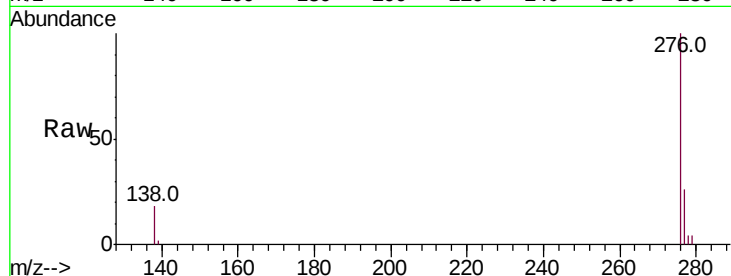
Tot Ion:276 Resp: 17934

Ion Ratio Lower Upper

276 100

277 25.9 20.5 30.7

138 18.4 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

