

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007858.D  
 Acq On : 25 Sep 2019 17:41  
 Operator : JU  
 Sample : PB123288BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123288BS

Quant Time: Sep 26 03:53:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

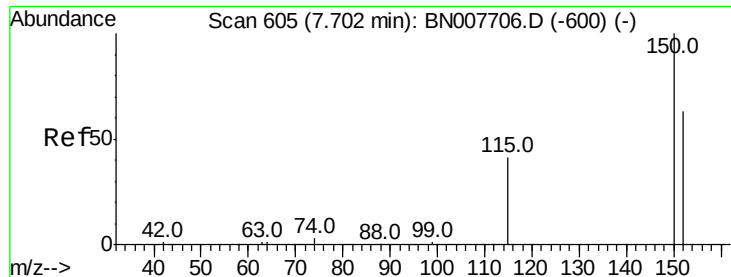
| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 7658     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.46 | 136  | 29144    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 16795    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.06 | 188  | 32920    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.26 | 240  | 27888    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.47 | 264  | 25912    | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.31  | 112  | 7851     | 0.30 | ng    | 0.00     |
| 5) Phenol-d6                | 6.86  | 99   | 9700     | 0.29 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.82  | 82   | 9093     | 0.36 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152  | 20445    | 0.42 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330  | 1927     | 0.21 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 12.93 | 172  | 29113    | 0.42 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.09 | 212  | 38752    | 0.35 | ng    | -0.02    |
| 29) Terphenyl-d14           | 19.70 | 244  | 32458    | 0.47 | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 3511     | 0.411 | ng    | # 80   |
| 3) n-Nitrosodimethylamine      | 3.00  | 42   | 2496     | 0.638 | ng    | 95     |
| 6) bis(2-Chloroethyl)ether     | 7.13  | 93   | 8717     | 0.402 | ng    | 96     |
| 9) Naphthalene                 | 10.51 | 128  | 34765    | 0.425 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.81 | 225  | 7340     | 0.426 | ng    | # 100  |
| 12) 2-Methylnaphthalene        | 12.13 | 142  | 23218    | 0.420 | ng    | 100    |
| 16) Acenaphthylene             | 14.02 | 152  | 31782    | 0.357 | ng    | 100    |
| 17) Acenaphthene               | 14.37 | 154  | 21709    | 0.378 | ng    | 96     |
| 18) Fluorene                   | 15.36 | 166  | 27306    | 0.371 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.26 | 248  | 9001     | 0.450 | ng    | 99     |
| 21) Hexachlorobenzene          | 16.38 | 284  | 10185    | 0.466 | ng    | 98     |
| 22) Pentachlorophenol          | 16.72 | 266  | 1925     | 0.239 | ng    | 98     |
| 23) Phenanthrene               | 17.10 | 178  | 43663    | 0.426 | ng    | 100    |
| 24) Anthracene                 | 17.19 | 178  | 35985    | 0.389 | ng    | 100    |
| 26) Fluoranthene               | 19.12 | 202  | 45888    | 0.360 | ng    | 100    |
| 28) Pyrene                     | 19.49 | 202  | 44708    | 0.470 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.24 | 228  | 36812    | 0.358 | ng    | 100    |
| 31) Chrysene                   | 21.29 | 228  | 42621    | 0.426 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 11292    | 0.214 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.69 | 276  | 41975    | 0.335 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 22.81 | 252  | 37436    | 0.416 | ng    | 100    |
| 36) Benzo(k)fluoranthene       | 22.85 | 252  | 41384    | 0.465 | ng    | 100    |
| 37) Benzo(a)pyrene             | 23.38 | 252  | 32568    | 0.385 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278  | 33841    | 0.391 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 26.36 | 276  | 34571    | 0.404 | ng    | 99     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 604

Delta R.T. -0.01 min

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BNA\_N

ClientSampleId :

PB123288BS

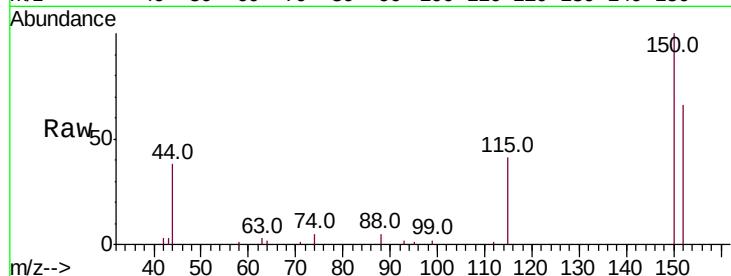
Tot Ion:152 Resp: 7658

Ion Ratio Lower Upper

152 100

150 150.5 125.6 188.4

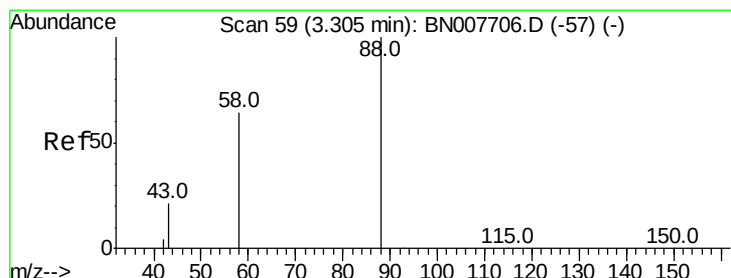
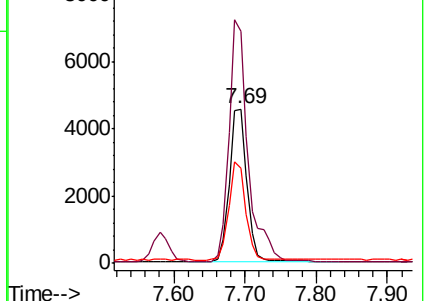
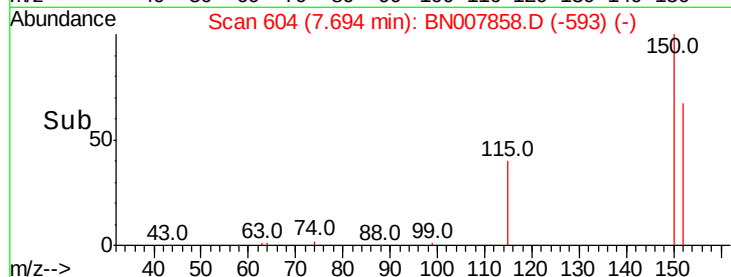
115 61.3 53.3 79.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.411 ng

RT: 3.30 min Scan# 58

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

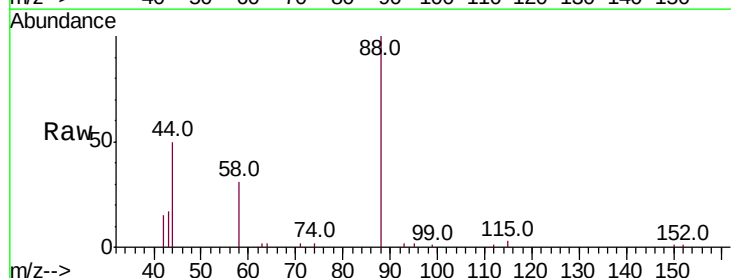
Tgt Ion: 88 Resp: 3511

Ion Ratio Lower Upper

88 100

58 71.5 44.6 66.8#

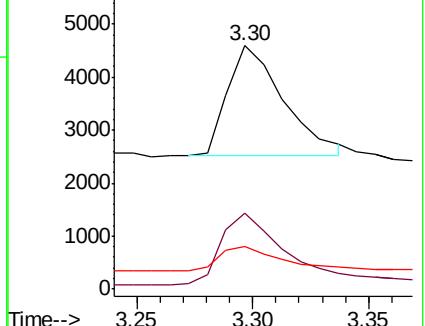
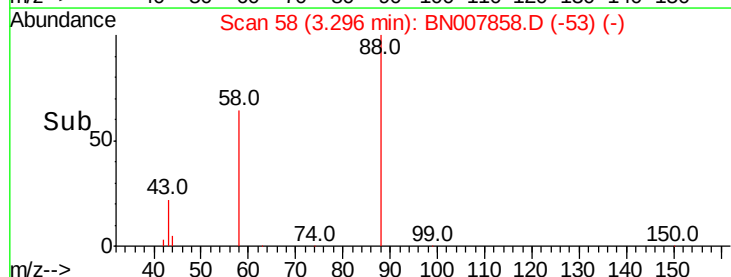
43 23.8 14.4 21.6#

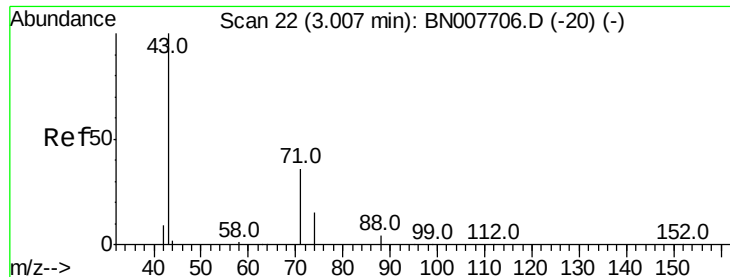


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.638 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

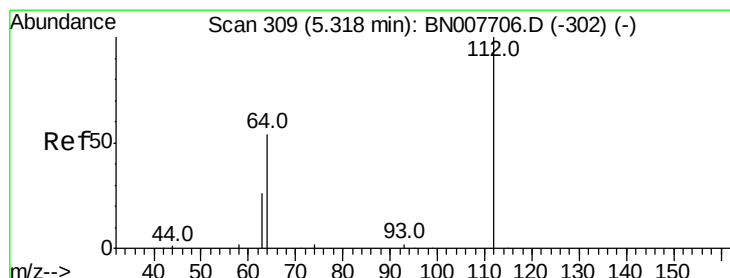
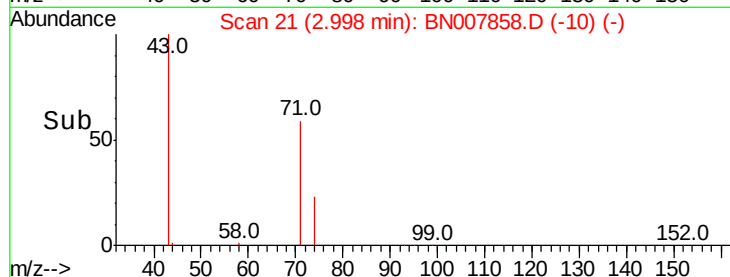
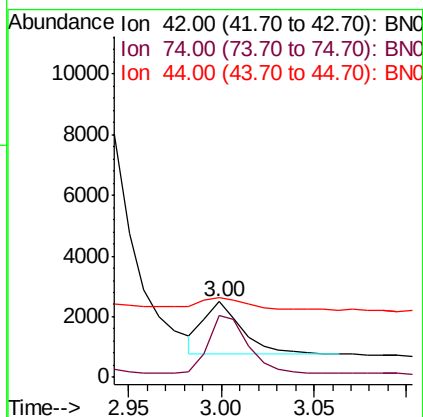
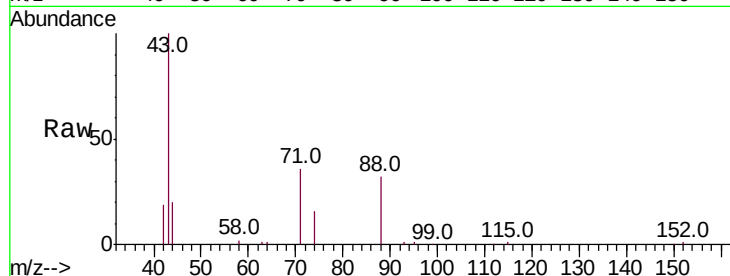
Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :  
BNA\_N  
ClientSampleId :  
PB123288BS

Tot Ion: 42 Resp: 2496

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 113.7 | 87.9  | 131.9 |
| 44  | 32.3  | 29.4  | 44.0  |



#4

2-Fluorophenol

Concen: 0.298 ng

RT: 5.31 min Scan# 308

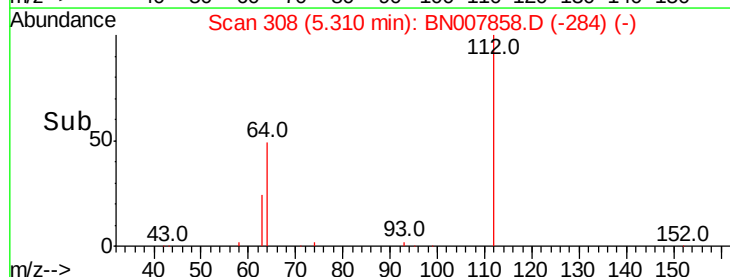
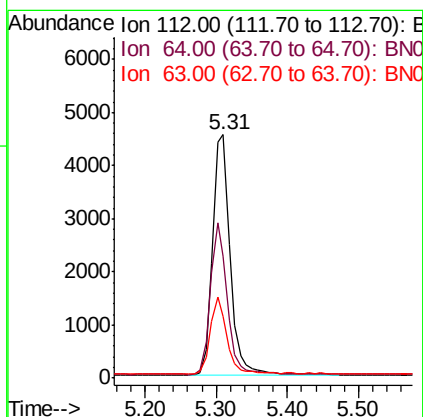
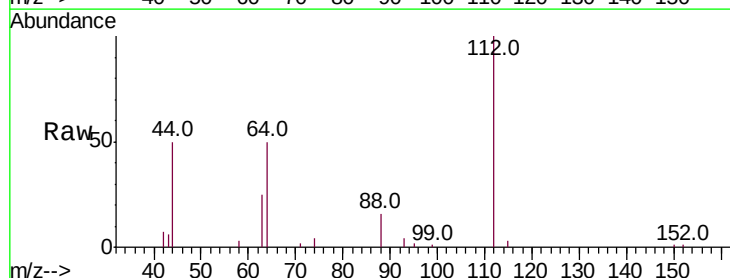
Delta R.T. -0.01 min

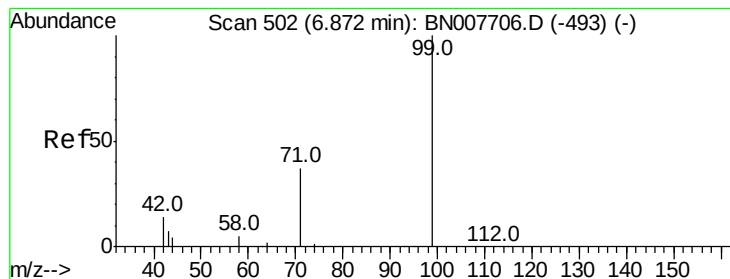
Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Tgt Ion: 112 Resp: 7851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 59.6  | 46.6  | 70.0  |
| 63  | 29.9  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.294 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

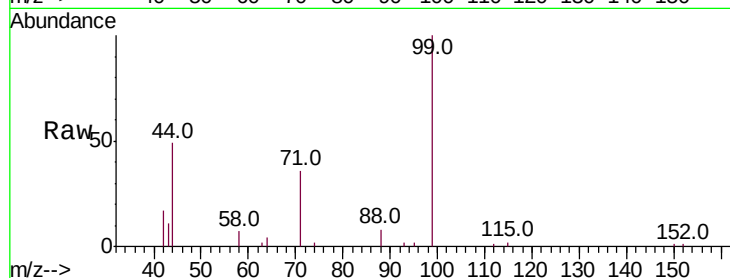
Tot Ion: 99 Resp: 9700

Ion Ratio Lower Upper

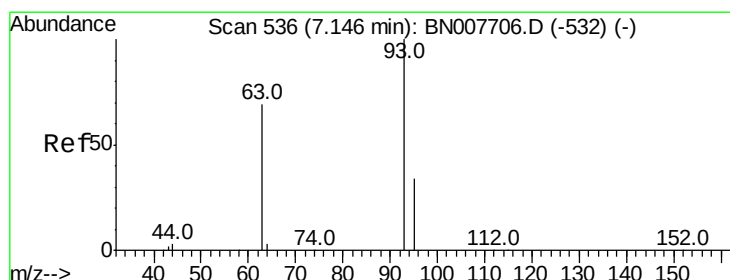
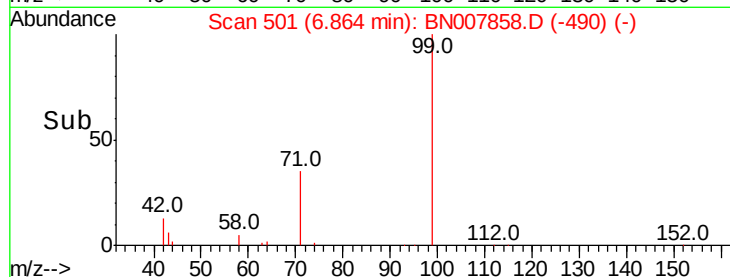
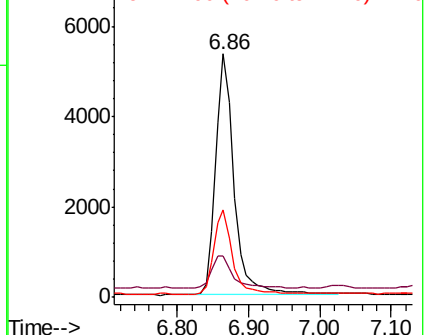
99 100

42 14.8 12.8 19.2

71 35.1 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC  
Ion 42.00 (41.70 to 42.70): BNC  
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.402 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

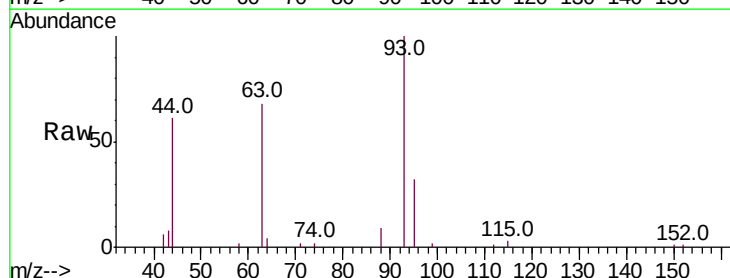
Tgt Ion: 93 Resp: 8717

Ion Ratio Lower Upper

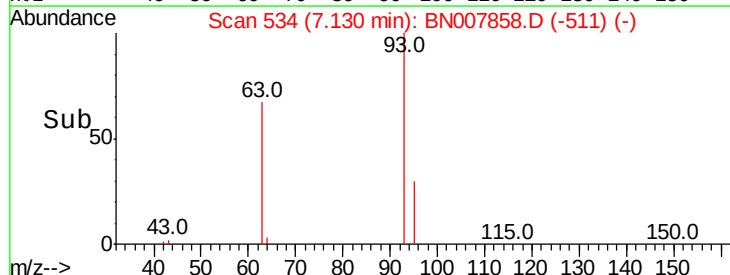
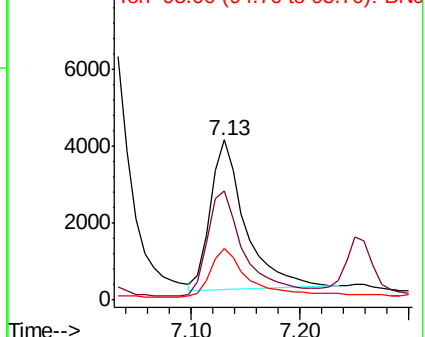
93 100

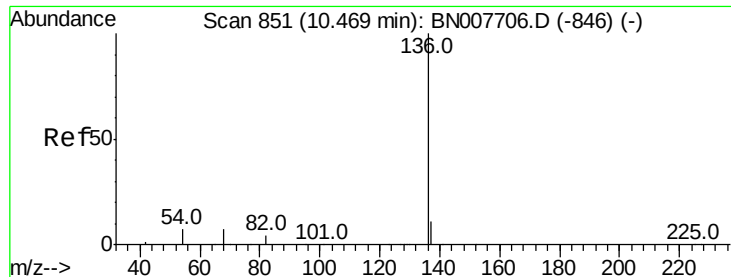
63 76.8 59.3 88.9

95 36.7 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

Tot Ion:136 Resp: 29144

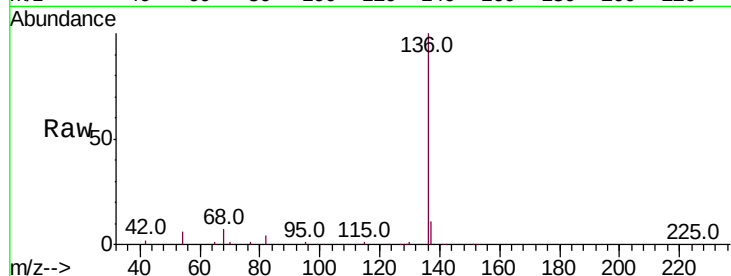
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.4 5.8 8.8

68 6.9 6.5 9.7

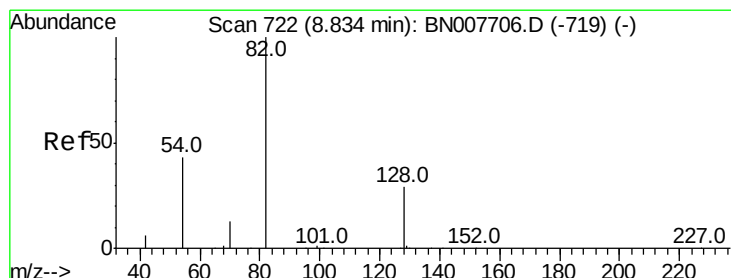
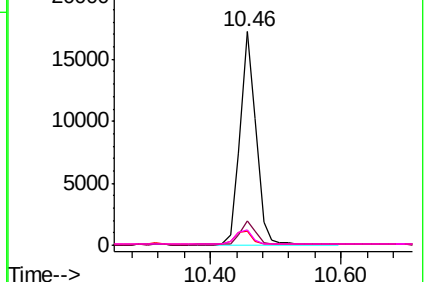
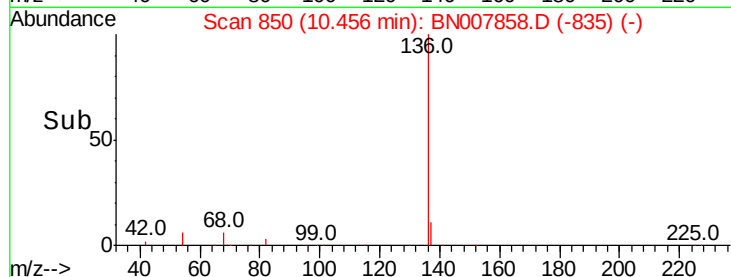


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.357 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

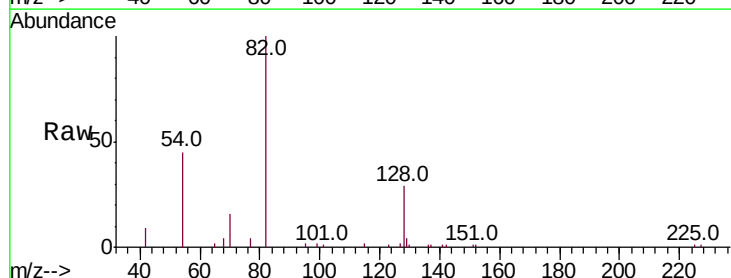
Tgt Ion: 82 Resp: 9093

Ion Ratio Lower Upper

82 100

128 29.4 24.5 36.7

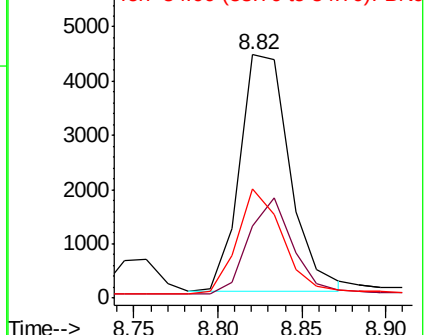
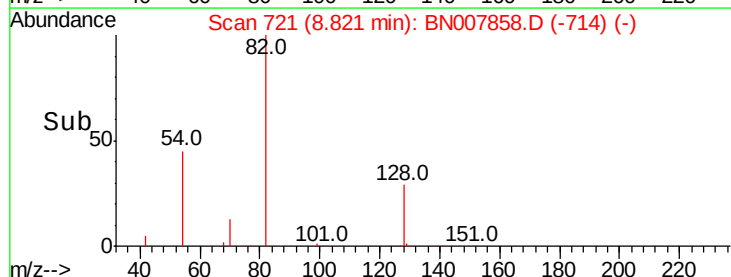
54 45.0 35.2 52.8

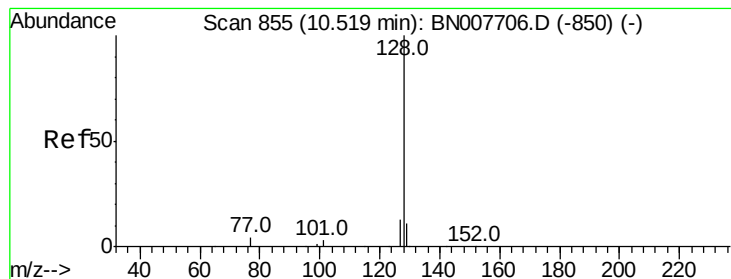


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.425 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

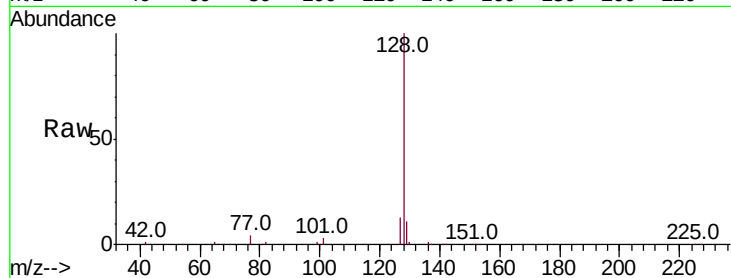
Tot Ion:128 Resp: 34765

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

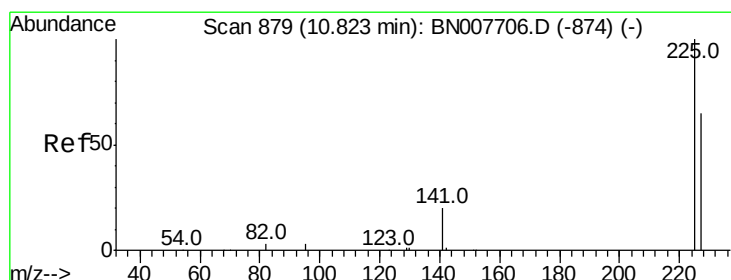
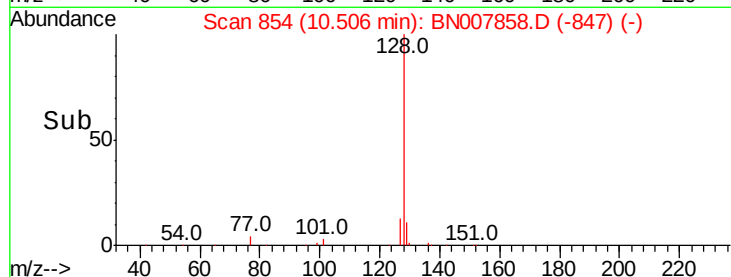
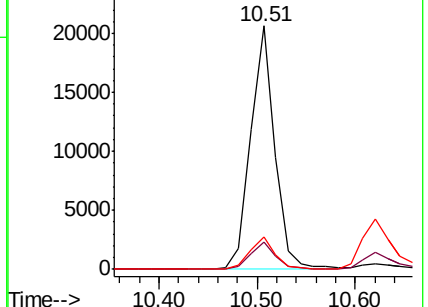
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.426 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

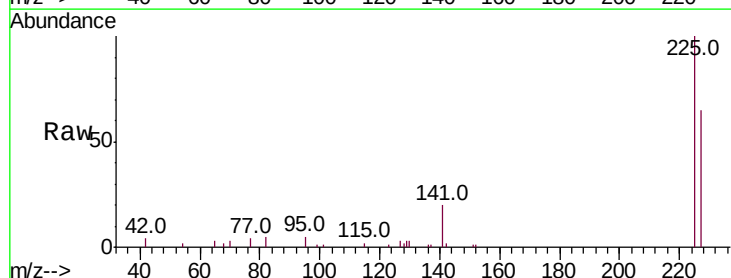
Tgt Ion:225 Resp: 7340

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

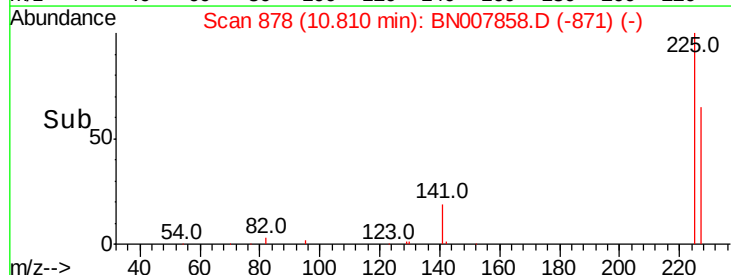
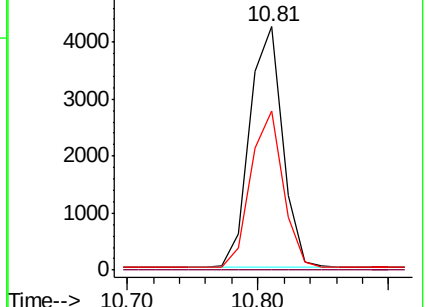
227 64.1 51.2 76.8

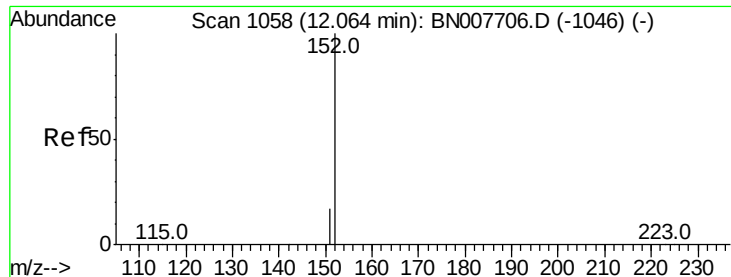


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

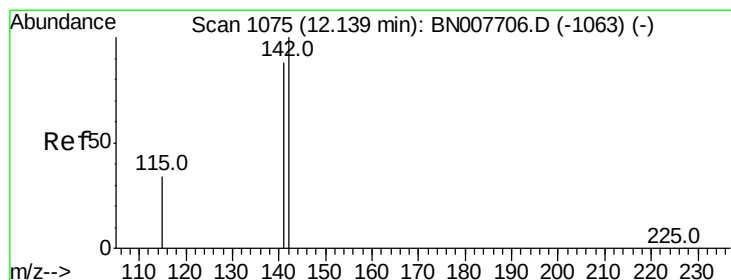
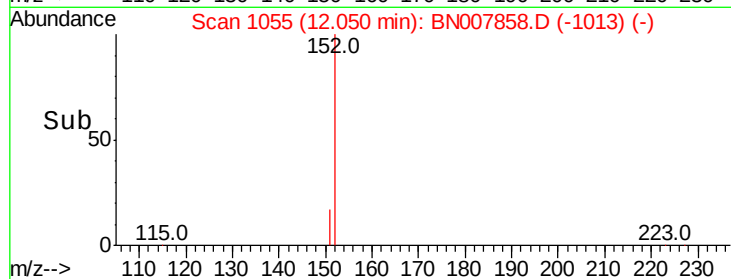
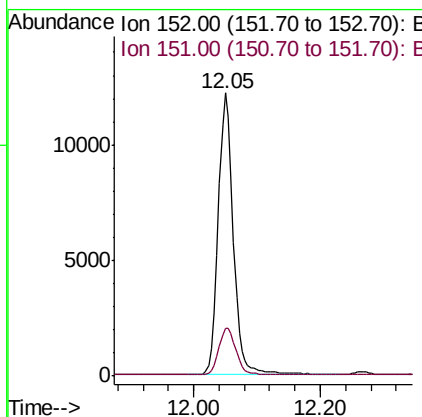
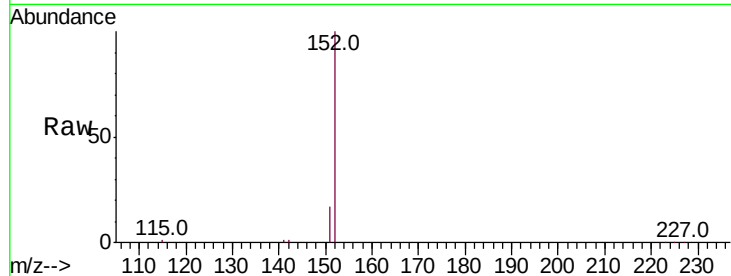




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.416 ng  
 RT: 12.05 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BN007858.D  
 Acq: 25 Sep 2019 17:41

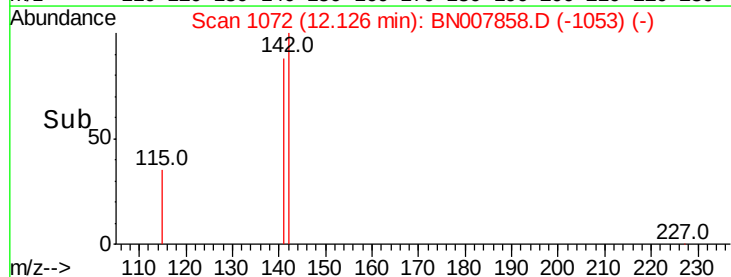
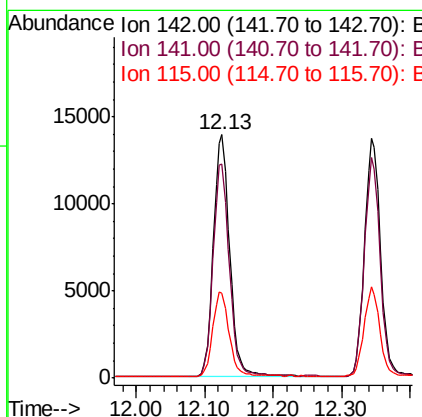
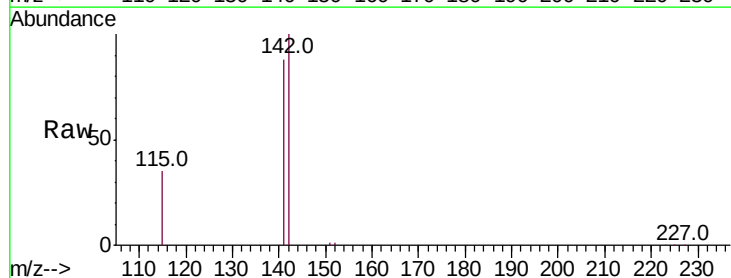
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123288BS

Tot Ion:152 Resp: 20445  
 Ion Ratio Lower Upper  
 152 100  
 151 18.9 15.4 23.2

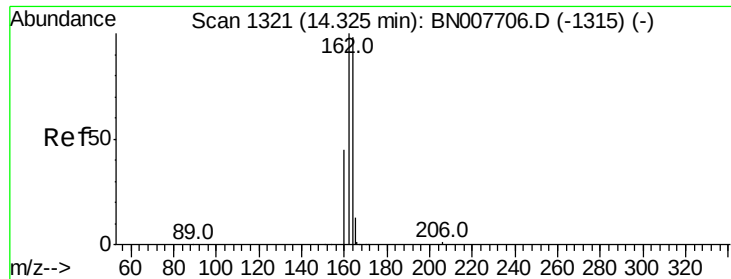


#12  
 2-Methylnaphthalene  
 Concen: 0.420 ng  
 RT: 12.13 min Scan# 1072  
 Delta R.T. -0.01 min  
 Lab File: BN007858.D  
 Acq: 25 Sep 2019 17:41

Tgt Ion:142 Resp: 23218  
 Ion Ratio Lower Upper  
 142 100  
 141 88.2 70.6 106.0  
 115 35.1 28.3 42.5







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

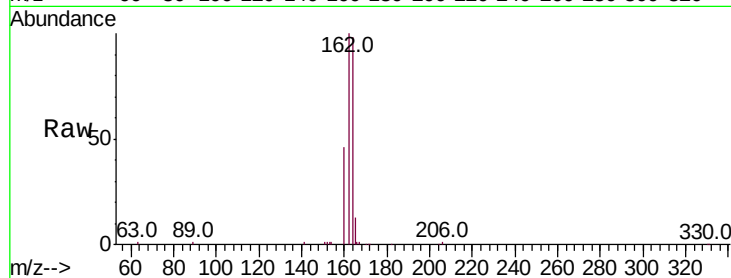
Tot Ion:164 Resp: 16795

Ion Ratio Lower Upper

164 100

162 101.5 81.7 122.5

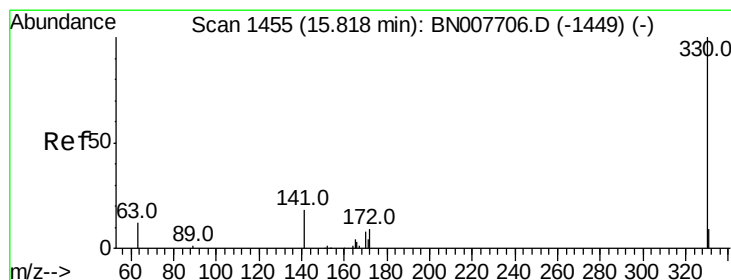
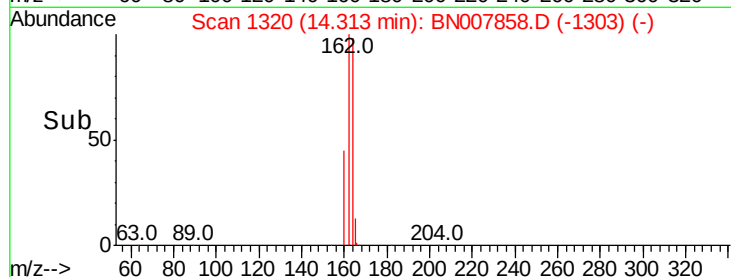
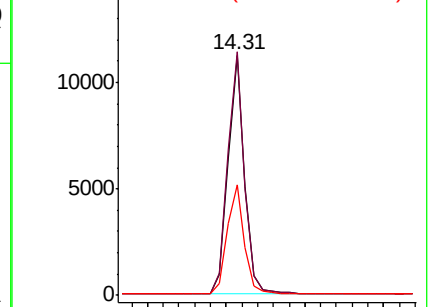
160 46.3 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.211 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

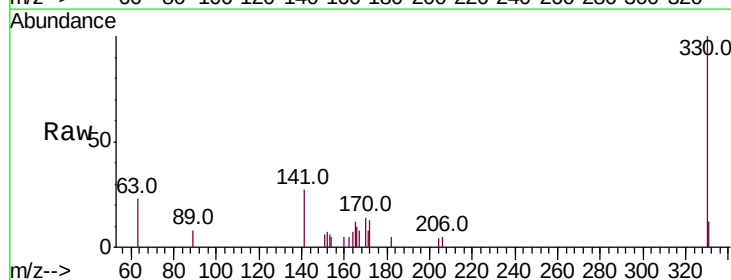
Tgt Ion:330 Resp: 1927

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

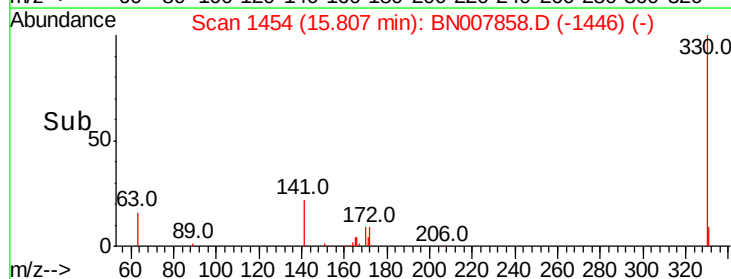
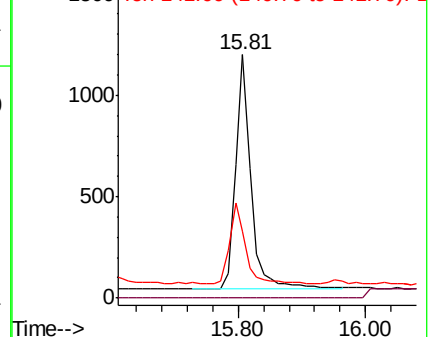
141 35.2 28.7 43.1

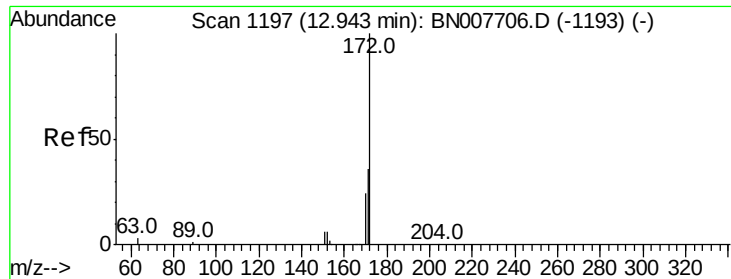


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

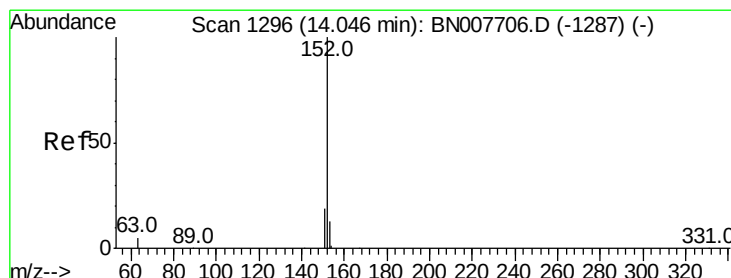
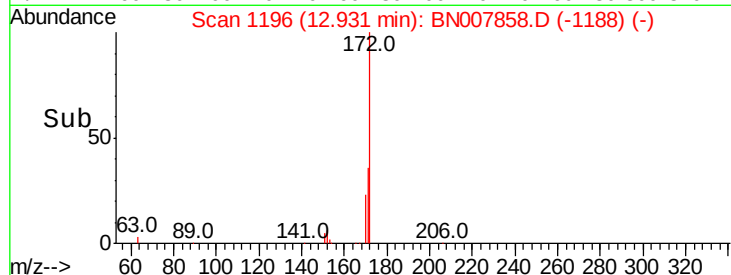
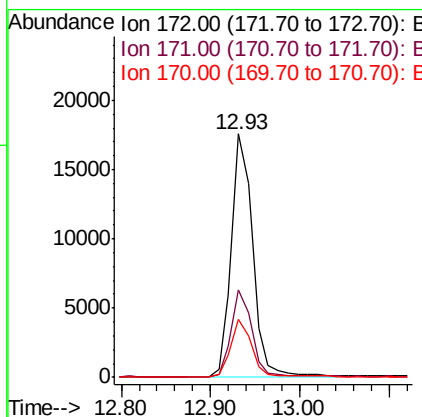
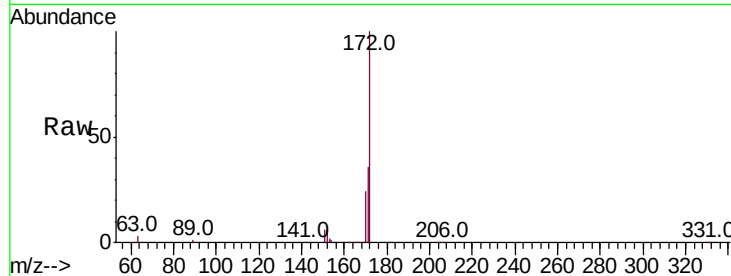




#15  
2-Fluorobiphenyl  
Concen: 0.421 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007858.D  
Acq: 25 Sep 2019 17:41

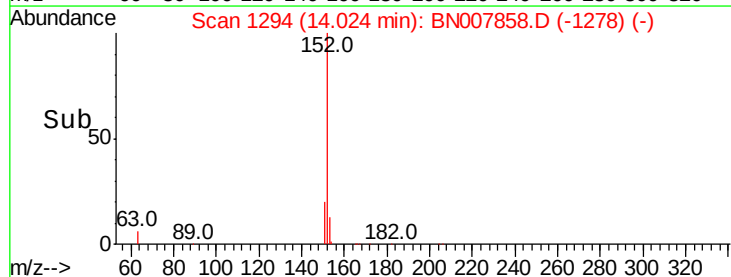
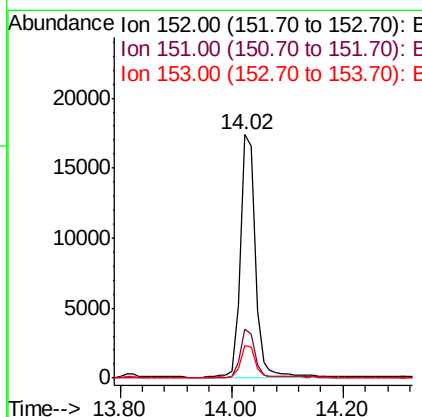
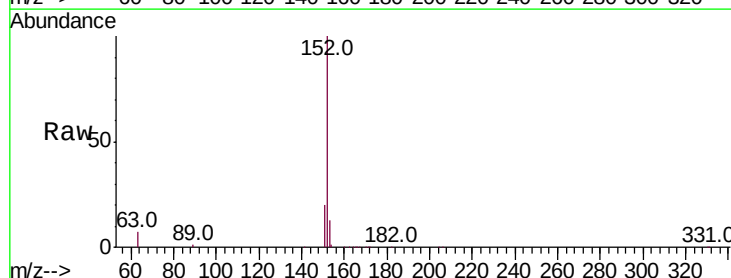
Instrument :  
BNA\_N  
ClientSampleId :  
PB123288BS

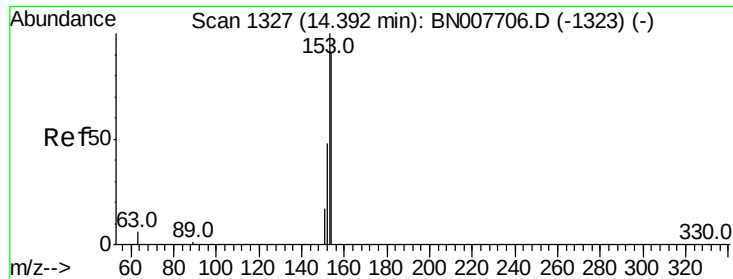
Tot Ion:172 Resp: 29113  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.8 43.2  
170 23.6 19.5 29.3



#16  
Acenaphthylene  
Concen: 0.357 ng  
RT: 14.02 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BN007858.D  
Acq: 25 Sep 2019 17:41

Tgt Ion:152 Resp: 31782  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.5 23.3  
153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.378 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

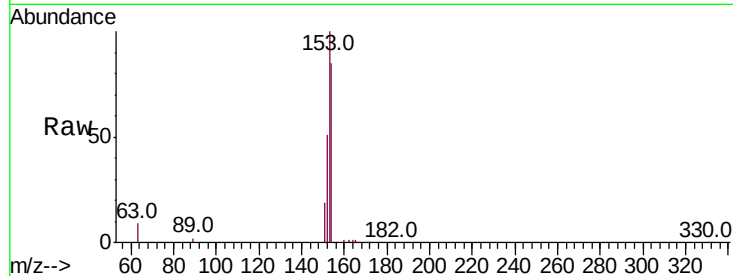
Tot Ion:154 Resp: 21709

Ion Ratio Lower Upper

154 100

153 112.9 87.0 130.4

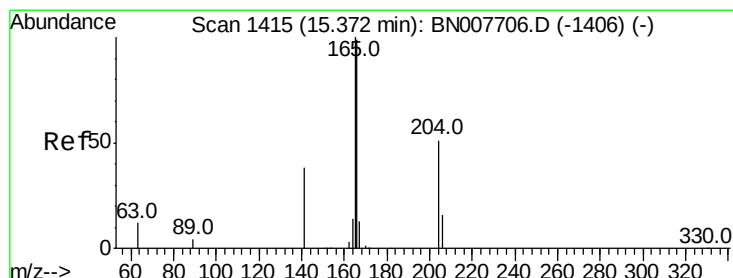
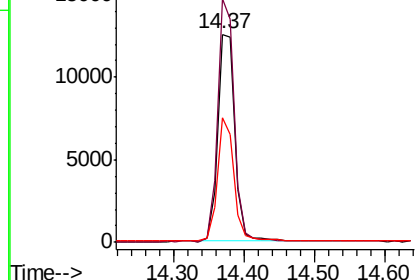
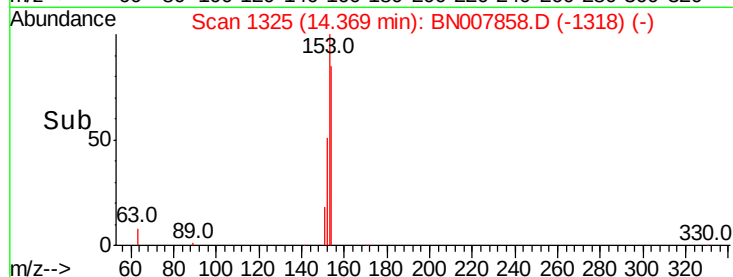
152 56.7 42.7 64.1



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: 0.371 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

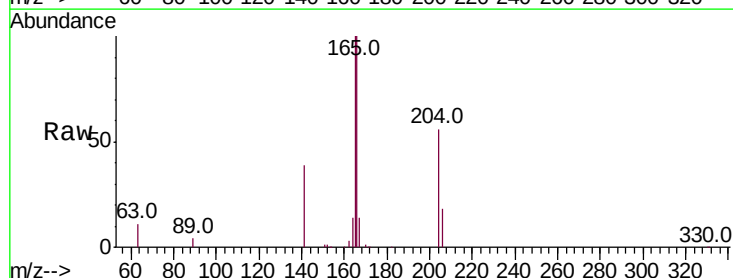
Tgt Ion:166 Resp: 27306

Ion Ratio Lower Upper

166 100

165 97.9 78.0 117.0

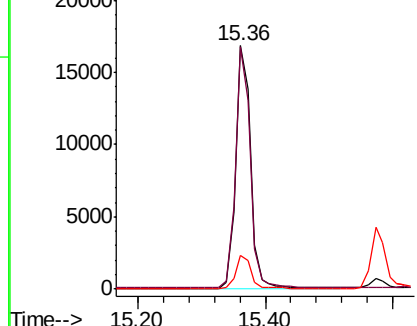
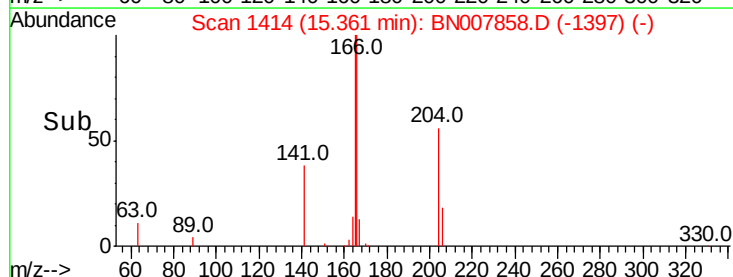
167 13.6 10.9 16.3

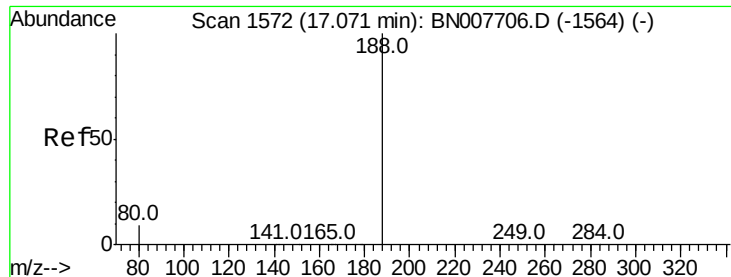


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

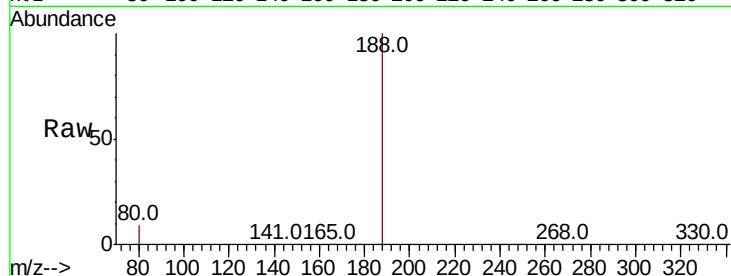
Tot Ion:188 Resp: 32920

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

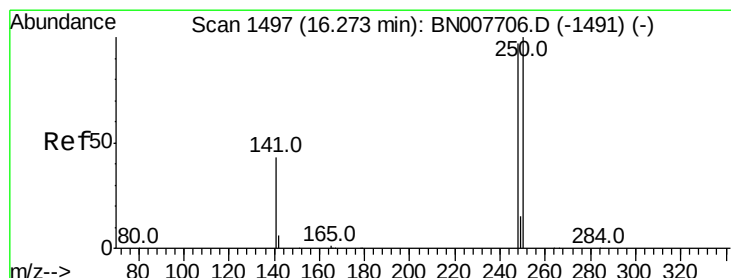
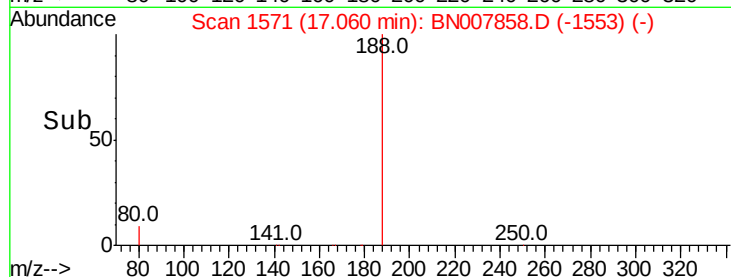
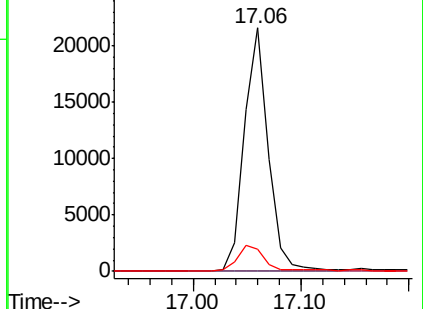
80 9.2 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.450 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

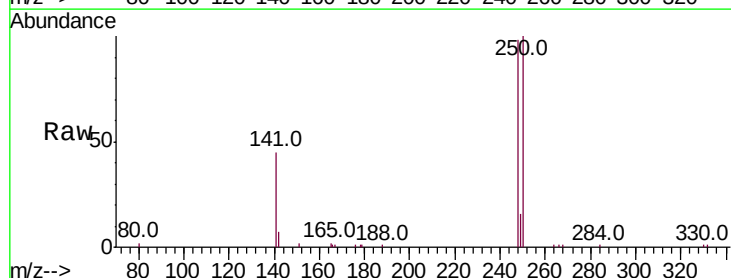
Tgt Ion:248 Resp: 9001

Ion Ratio Lower Upper

248 100

250 101.8 82.2 123.4

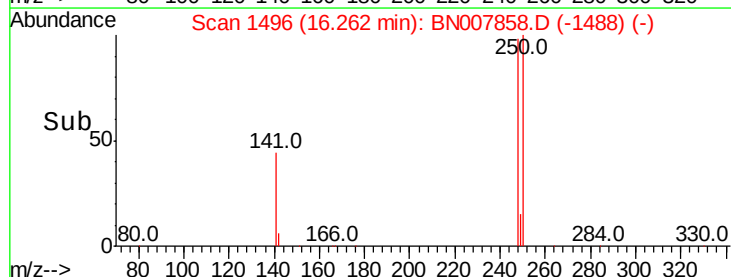
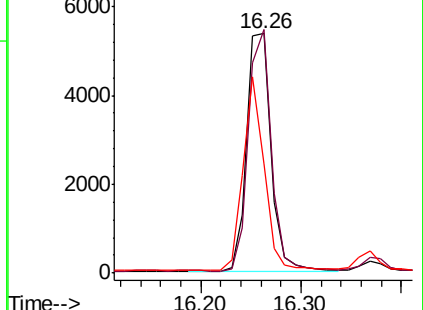
141 45.6 36.3 54.5

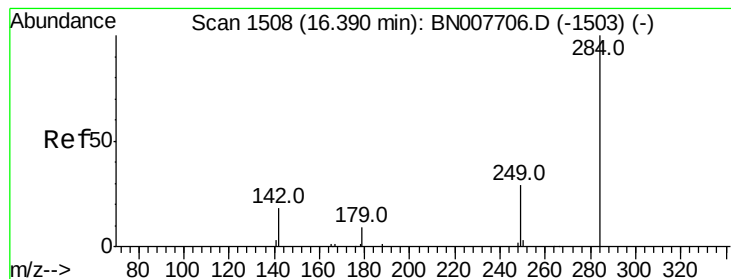


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.466 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

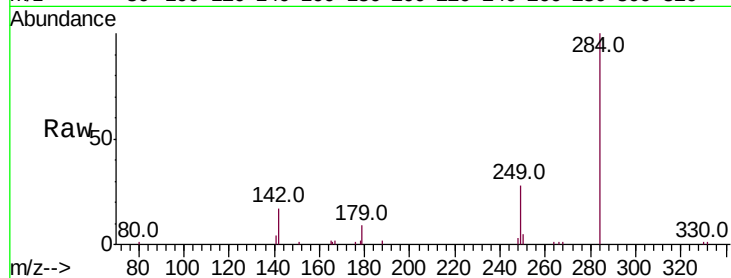
Tot Ion:284 Resp: 10185

Ion Ratio Lower Upper

284 100

142 34.3 25.8 38.6

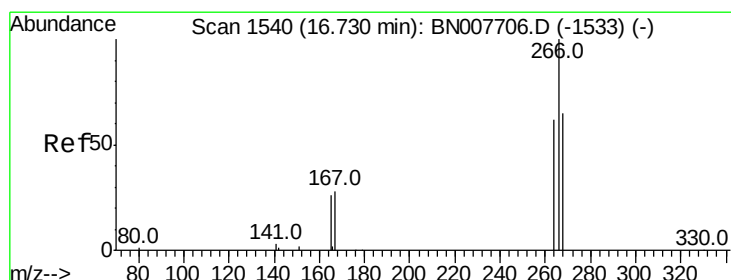
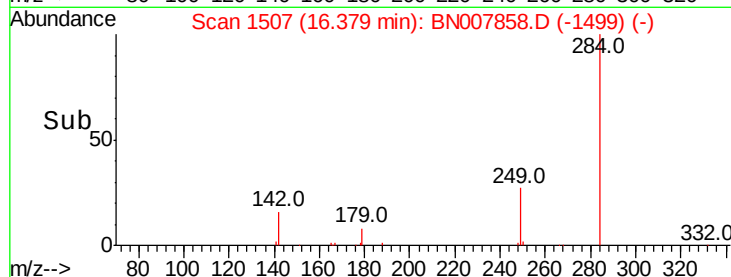
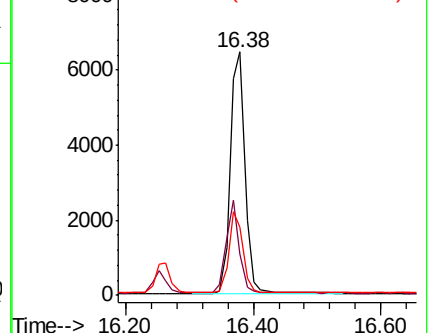
249 32.2 25.9 38.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.239 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

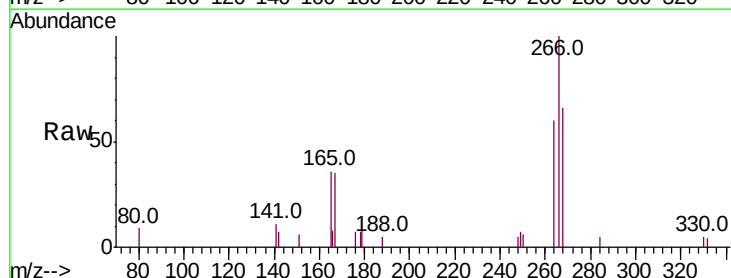
Tgt Ion:266 Resp: 1925

Ion Ratio Lower Upper

266 100

264 60.3 50.0 75.0

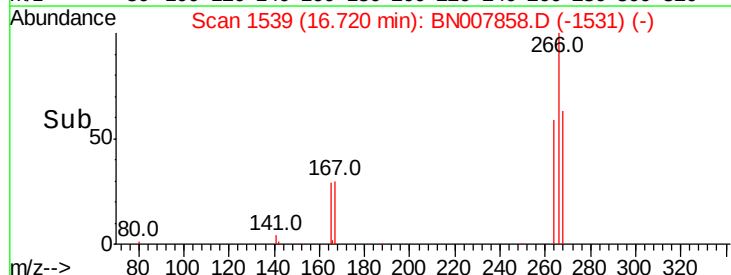
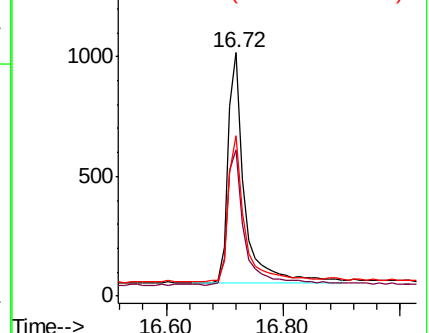
268 66.1 54.2 81.4

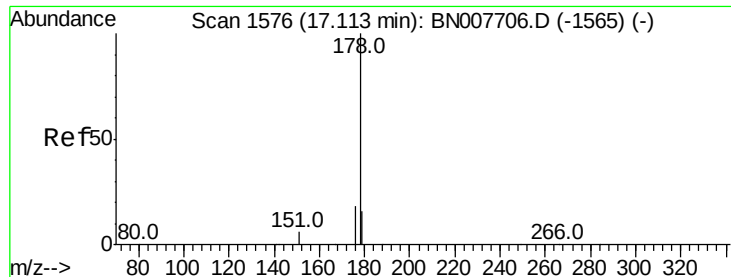


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.426 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

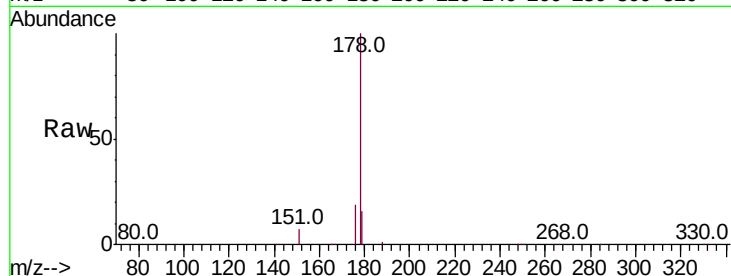
Tot Ion:178 Resp: 43663

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.6 12.5 18.7

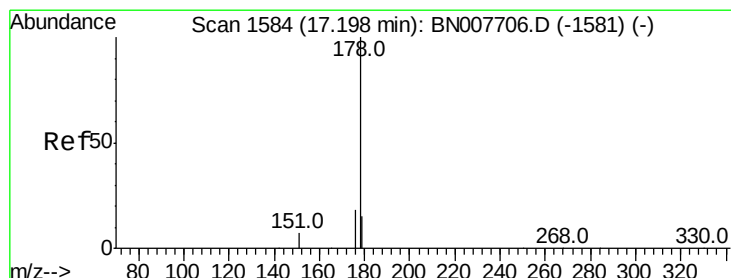
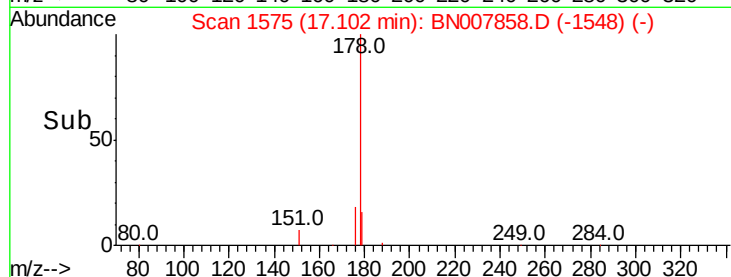
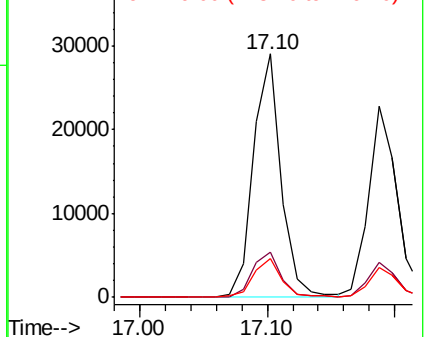


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.389 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

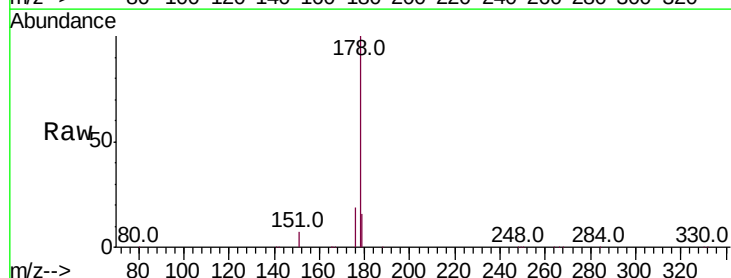
Tgt Ion:178 Resp: 35985

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.4 12.2 18.4

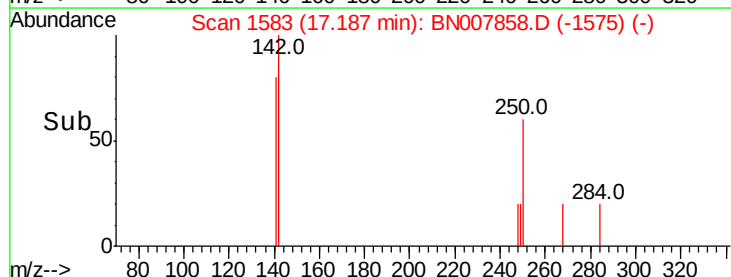
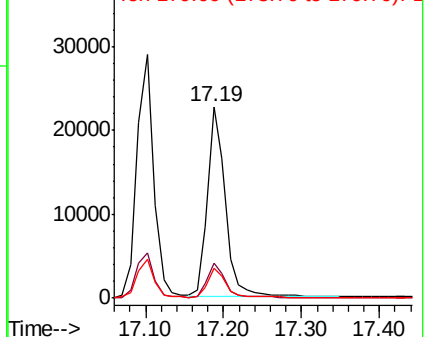


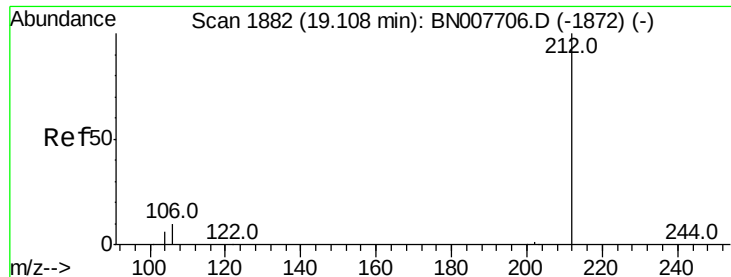
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

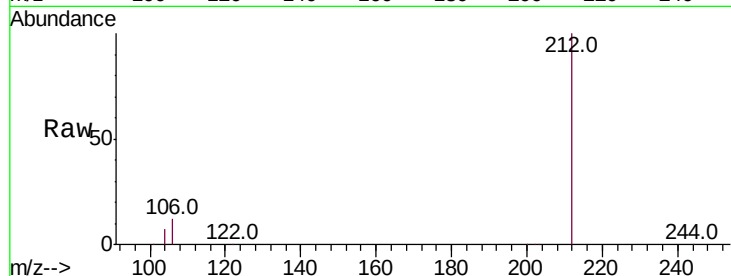
Tot Ion:212 Resp: 38752

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

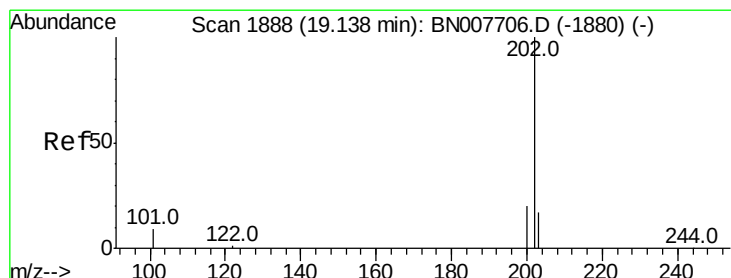
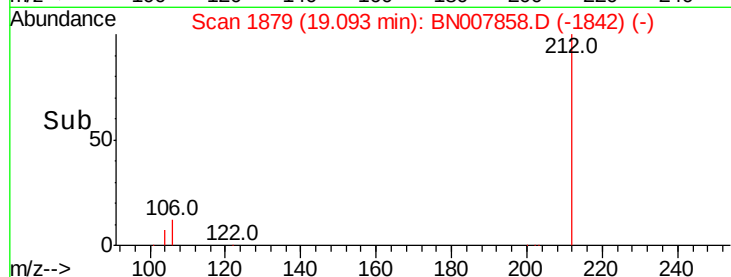
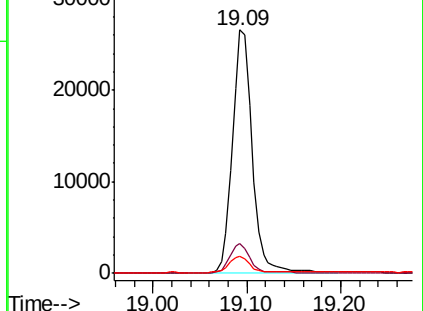
104 6.7 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.360 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

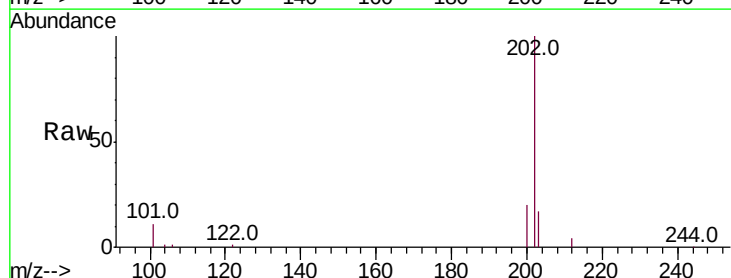
Tgt Ion:202 Resp: 45888

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

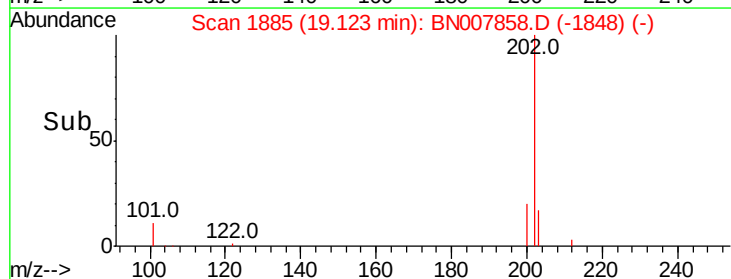
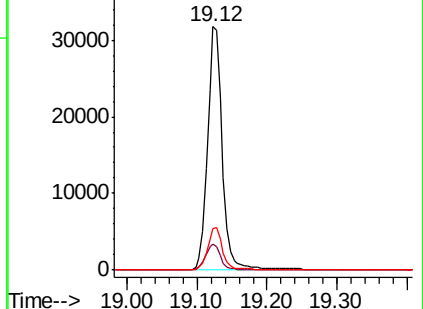
203 17.3 13.8 20.8

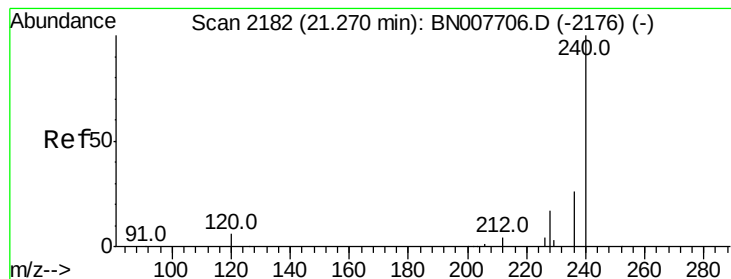


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

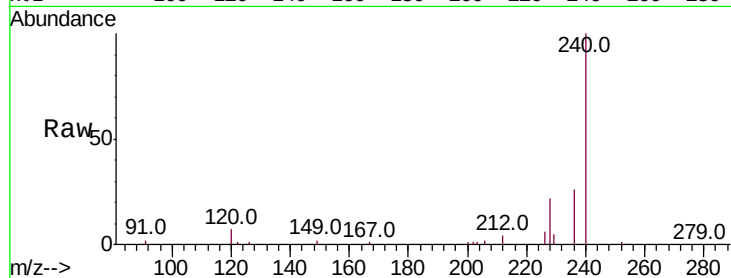
Tot Ion:240 Resp: 27888

Ion Ratio Lower Upper

240 100

120 6.9 5.4 8.2

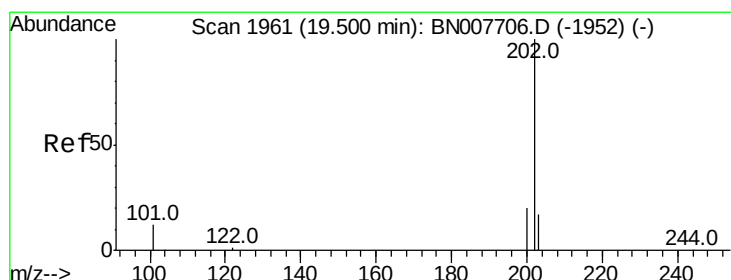
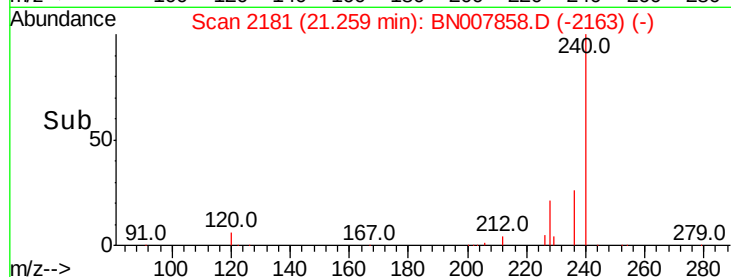
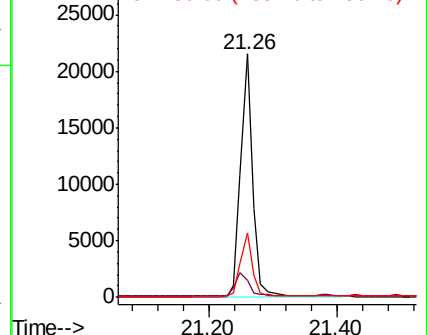
236 26.4 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.470 ng

RT: 19.49 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

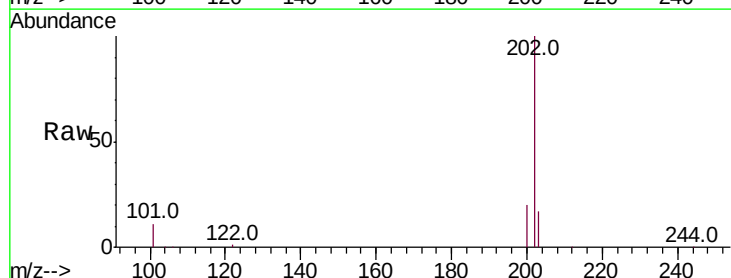
Tgt Ion:202 Resp: 44708

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

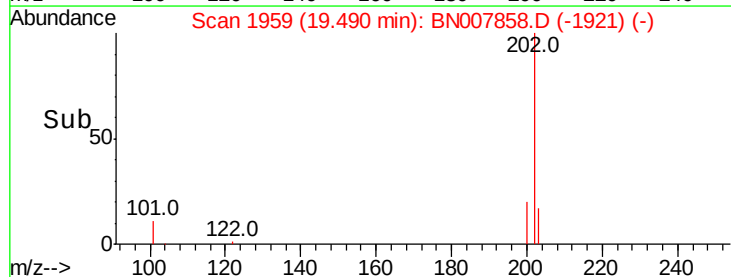
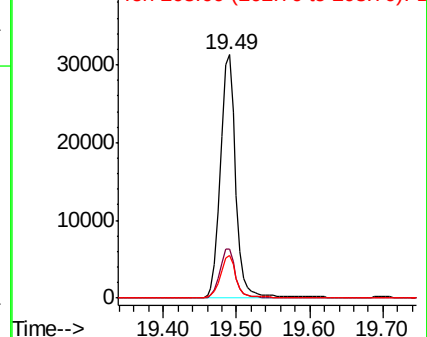
203 17.5 14.1 21.1



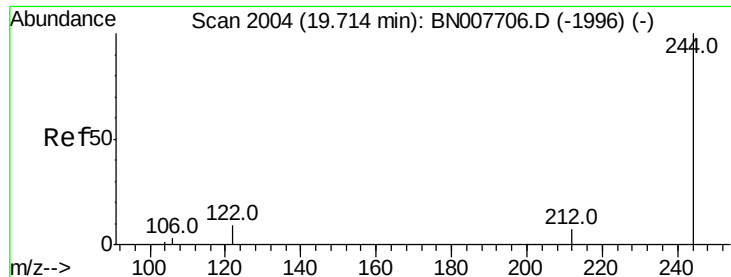
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.474 ng

RT: 19.70 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

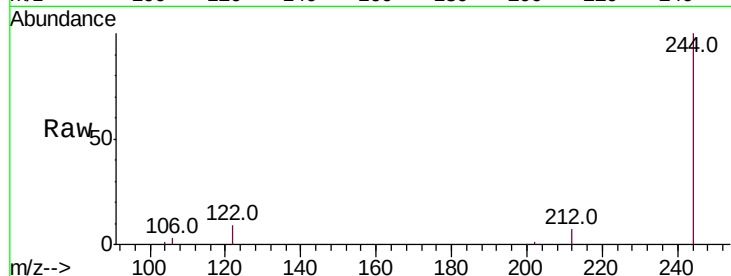
Tot Ion:244 Resp: 32458

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

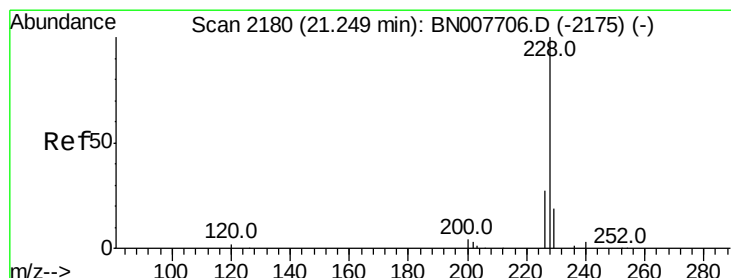
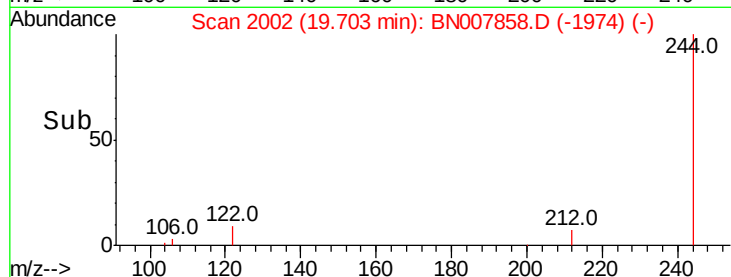
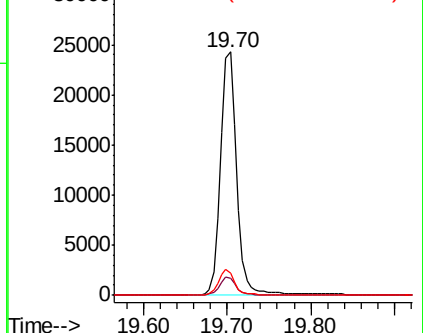
122 8.9 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.358 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

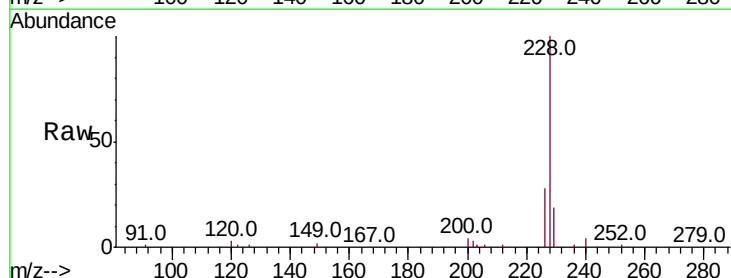
Tgt Ion:228 Resp: 36812

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

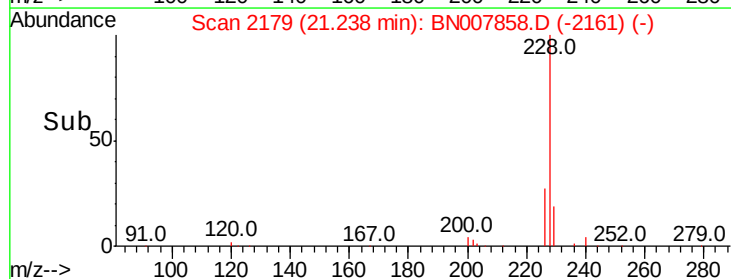
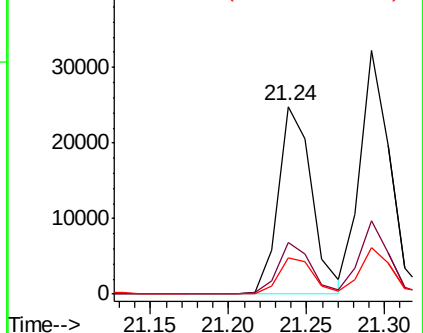
229 19.3 15.8 23.6

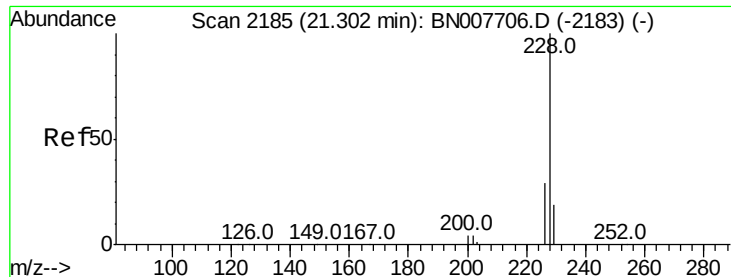


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.426 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

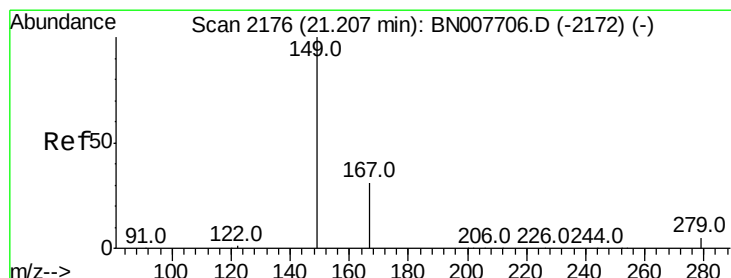
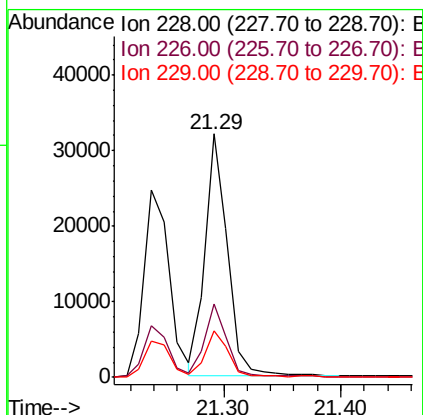
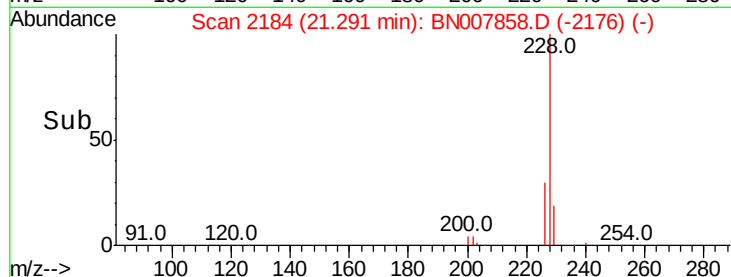
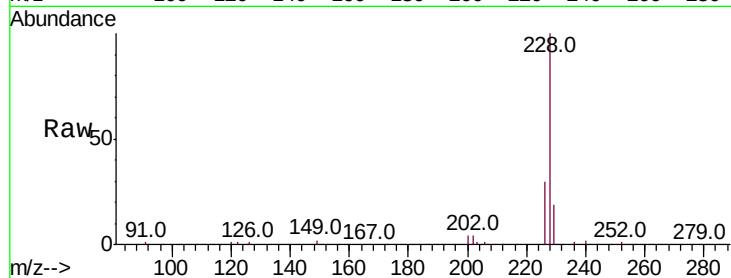
Tot Ion:228 Resp: 42621

Ion Ratio Lower Upper

228 100

226 29.9 23.9 35.9

229 19.3 15.8 23.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.214 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

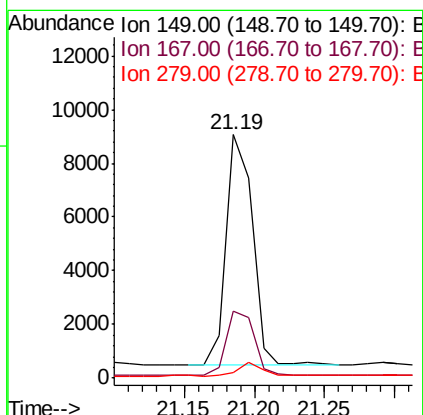
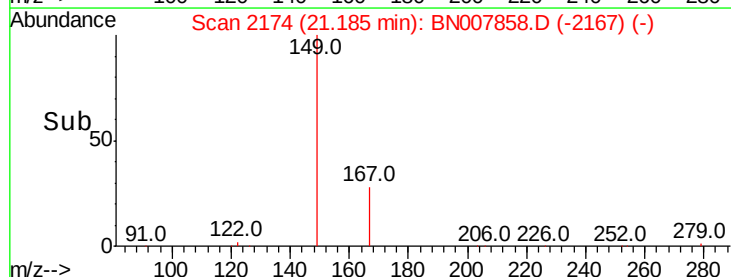
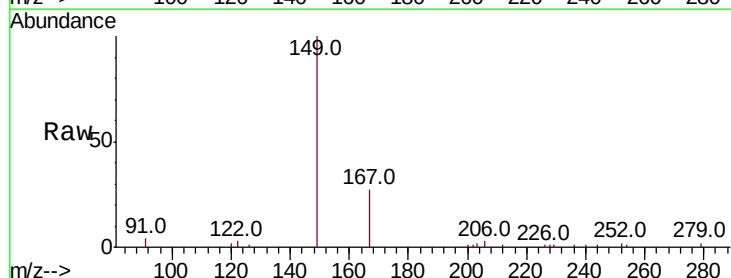
Tgt Ion:149 Resp: 11292

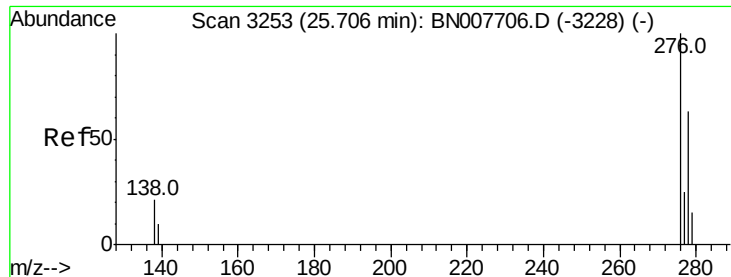
Ion Ratio Lower Upper

149 100

167 28.9 23.7 35.5

279 5.2 4.2 6.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.335 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

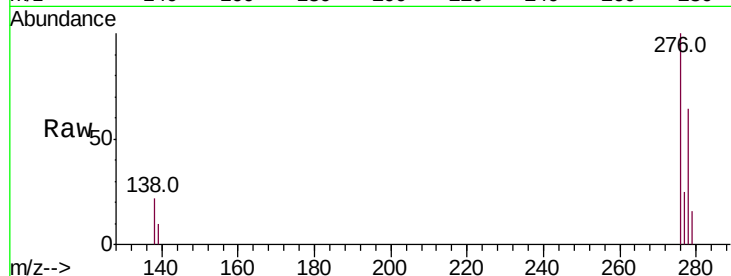
Tot Ion:276 Resp: 41975

Ion Ratio Lower Upper

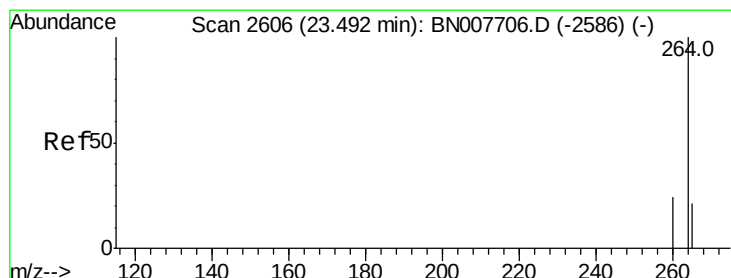
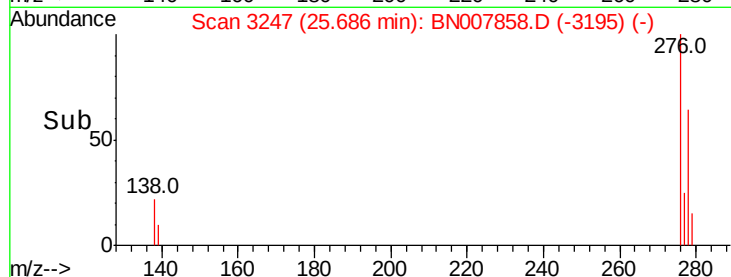
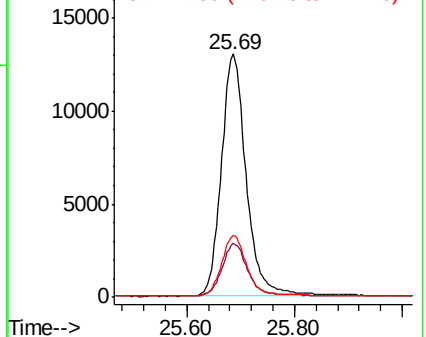
276 100

138 22.2 17.1 25.7

277 24.7 20.0 30.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2601

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

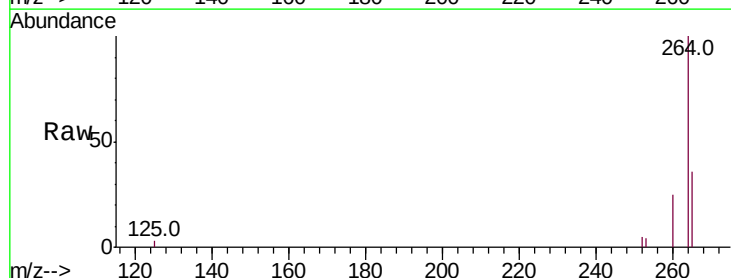
Tgt Ion:264 Resp: 25912

Ion Ratio Lower Upper

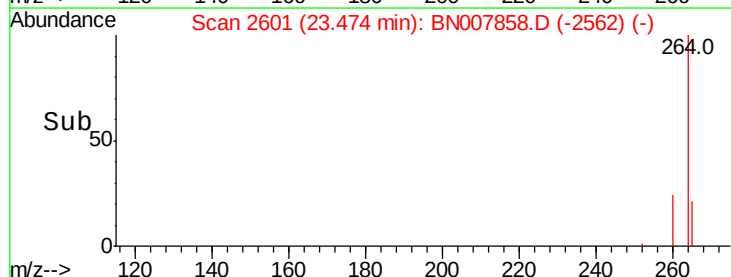
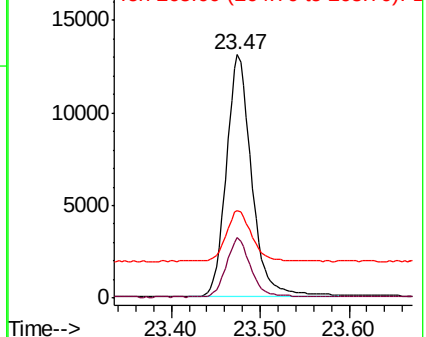
264 100

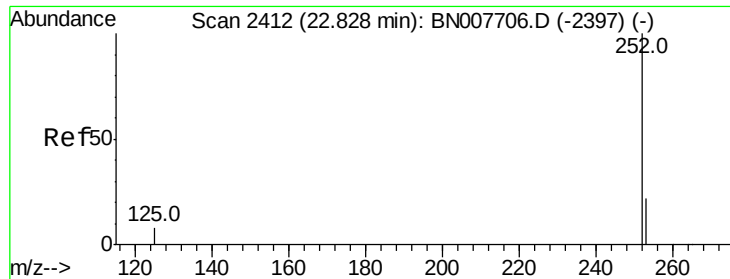
260 24.7 19.3 28.9

265 36.2 26.9 40.3



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

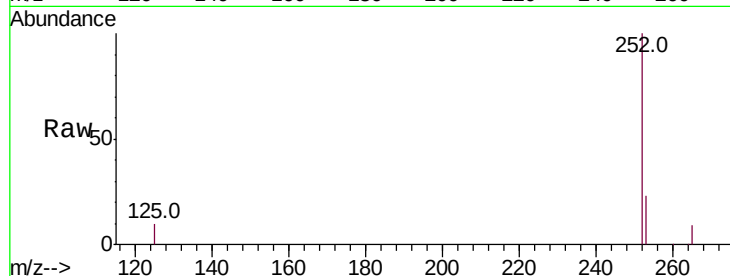




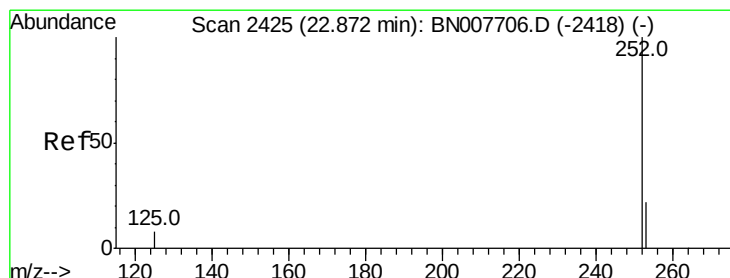
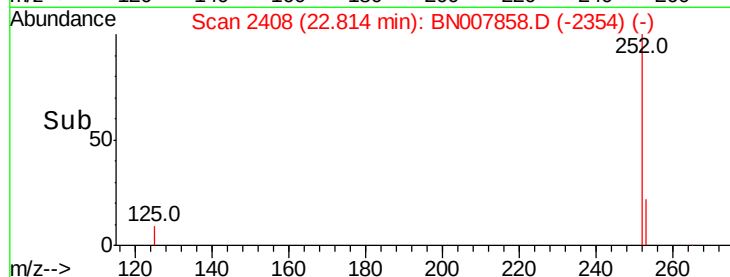
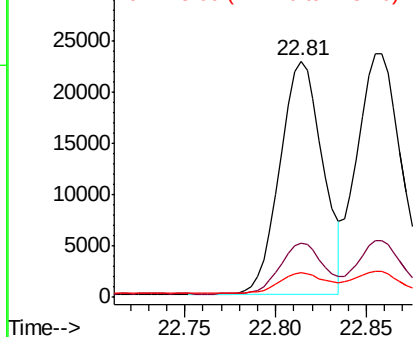
#35  
Benzo(b)fluoranthene  
Concen: 0.416 ng  
RT: 22.81 min Scan# 2408  
Delta R.T. -0.01 min  
Lab File: BN007858.D  
Acq: 25 Sep 2019 17:41

Instrument :  
BNA\_N  
ClientSampleId :  
PB123288BS

Tot Ion:252 Resp: 37436  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.3 27.5  
125 10.4 8.2 12.4

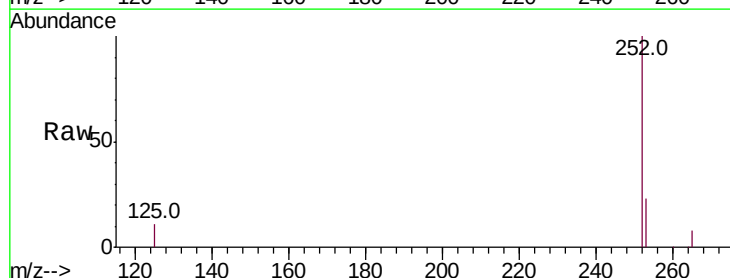


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

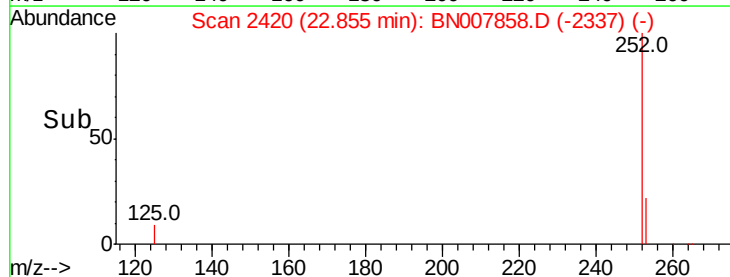
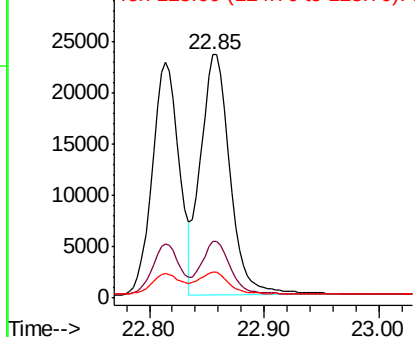


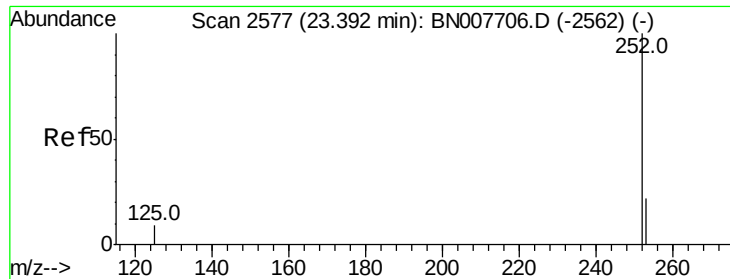
#36  
Benzo(k)fluoranthene  
Concen: 0.465 ng  
RT: 22.85 min Scan# 2420  
Delta R.T. -0.02 min  
Lab File: BN007858.D  
Acq: 25 Sep 2019 17:41

Tgt Ion:252 Resp: 41384  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.5 27.7  
125 10.7 8.4 12.6



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





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 23.38 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS

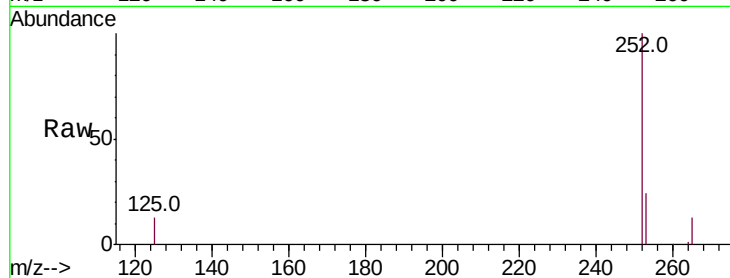
Tot Ion:252 Resp: 32568

Ion Ratio Lower Upper

252 100

253 23.9 18.6 27.8

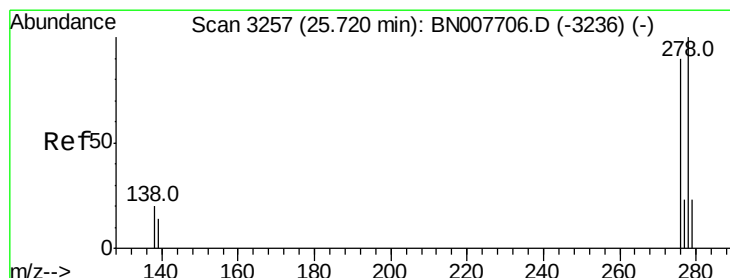
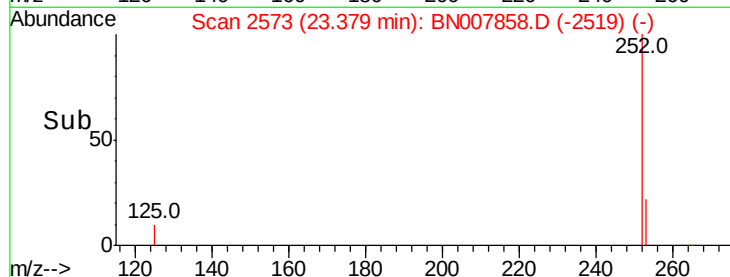
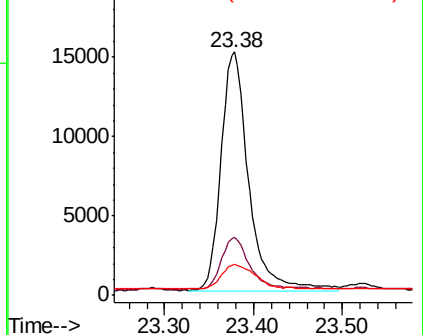
125 12.6 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.391 ng

RT: 25.70 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BN007858.D

Acq: 25 Sep 2019 17:41

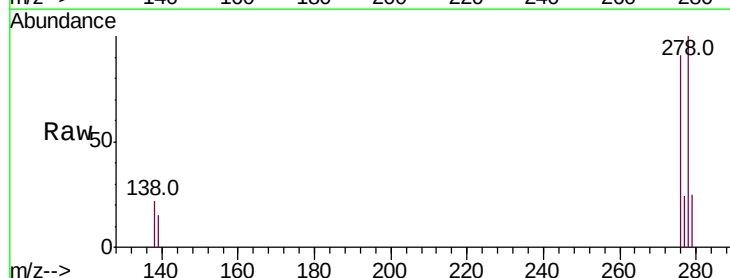
Tgt Ion:278 Resp: 33841

Ion Ratio Lower Upper

278 100

139 15.2 11.8 17.6

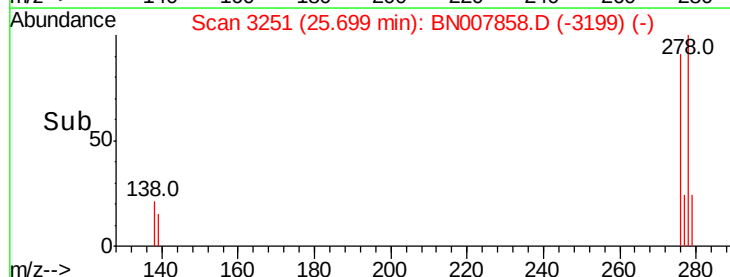
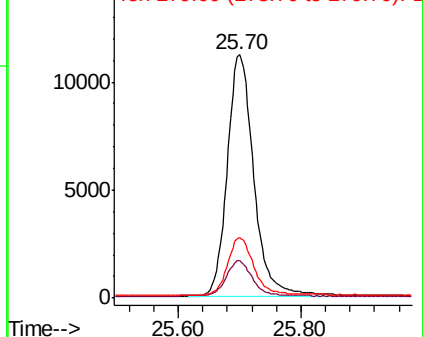
279 24.6 19.4 29.2

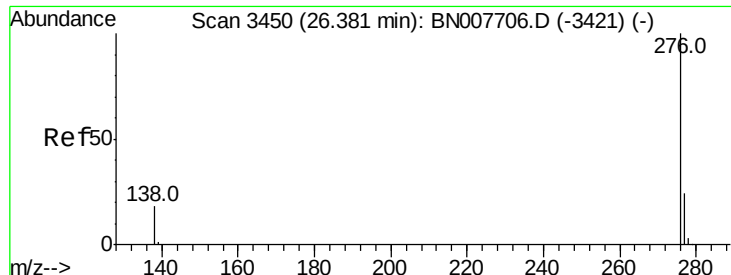


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.404 ng

RT: 26.36 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BN007858.D

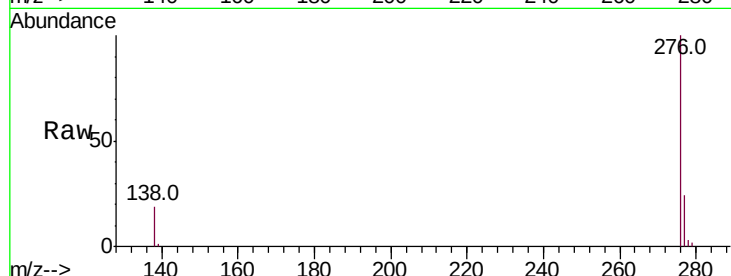
Acq: 25 Sep 2019 17:41

Instrument :

BNA\_N

ClientSampleId :

PB123288BS



Tot Ion:276 Resp: 34571

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 19.3 15.1 22.7

