

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\  
 Data File : BN009781.D  
 Acq On : 19 Feb 2020 17:22  
 Operator : CG/JU  
 Sample : L1468-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP9-EP2-3

Quant Time: Feb 20 04:23:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 1062     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 3850     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 2570     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 5930     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.02 | 240  | 6713     | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.13 | 264  | 6457     | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.08  | 112  | 946      | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                | 6.63  | 99   | 1192     | 0.41 | ng    | -0.02    |
| 8) Nitrobenzene-d5          | 8.58  | 82   | 1217     | 0.38 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152  | 2118     | 0.28 | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330  | 427      | 0.43 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 3910     | 0.40 | ng    | -0.02    |
| 25) Fluoranthene-d10        | 18.84 | 212  | 6091     | 0.30 | ng    | -0.02    |
| 29) Terphenyl-d14           | 19.46 | 244  | 5742     | 0.36 | ng    | -0.02    |

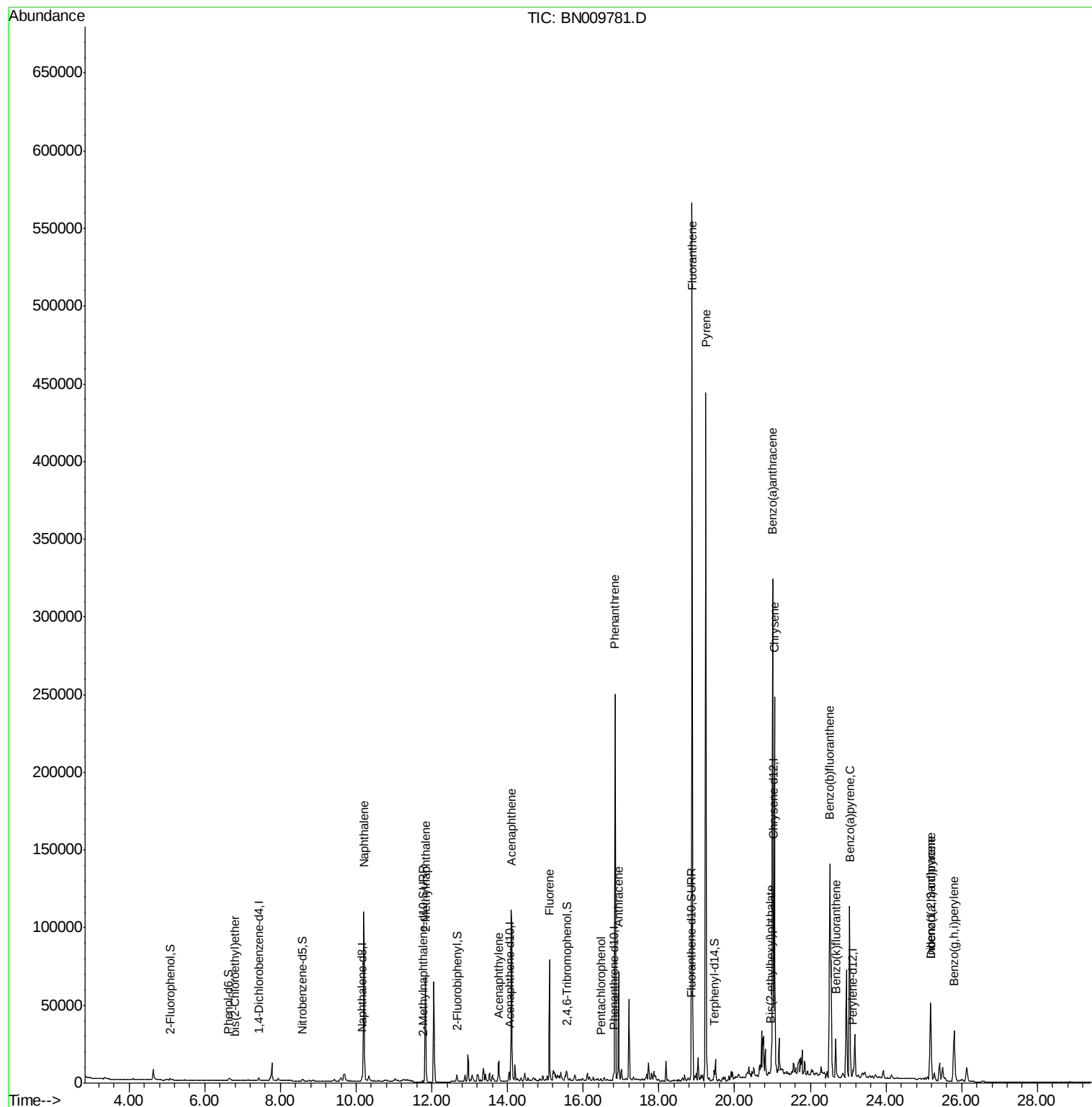
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 6) bis(2-Chloroethyl)ether     | 6.78  | 93   | 211      | 0.076     | ng    | # 13   |
| 9) Naphthalene                 | 10.20 | 128  | 145448   | 13.851    | ng    | # 93   |
| 12) 2-Methylnaphthalene        | 11.83 | 142  | 50408    | 7.002     | ng    | 98     |
| 16) Acenaphthylene             | 13.76 | 152  | 14039    | 1.281     | ng    | # 97   |
| 17) Acenaphthene               | 14.10 | 154  | 59982    | 7.786     | ng    | 99     |
| 18) Fluorene                   | 15.10 | 166  | 46247    | 4.549     | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 118      | Below Cal |       | # 1    |
| 22) Pentachlorophenol          | 16.48 | 266  | 6        | 0.183     | ng    | # 77   |
| 23) Phenanthrene               | 16.84 | 178  | 264130   | 14.966    | ng    | 99     |
| 24) Anthracene                 | 16.93 | 178  | 69972    | 4.690     | ng    | # 96   |
| 26) Fluoranthene               | 18.87 | 202  | 484152   | 22.911    | ng    | 99     |
| 28) Pyrene                     | 19.24 | 202  | 400388   | 15.707    | ng    | # 95   |
| 30) Benzo(a)anthracene         | 21.00 | 228  | 258502   | 11.604    | ng    | 99     |
| 31) Chrysene                   | 21.06 | 228  | 213252   | 8.274     | ng    | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 1102     | 0.101     | ng    | 95     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276  | 69097    | 2.574     | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 22.51 | 252  | 208181   | 8.819     | ng    | # 86   |
| 36) Benzo(k)fluoranthene       | 22.67 | 252  | 31816    | 1.238     | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.04 | 252  | 143984   | 6.685     | ng    | # 81   |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278  | 20938    | 0.987     | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 25.80 | 276  | 61286    | 2.713     | ng    | 96     |

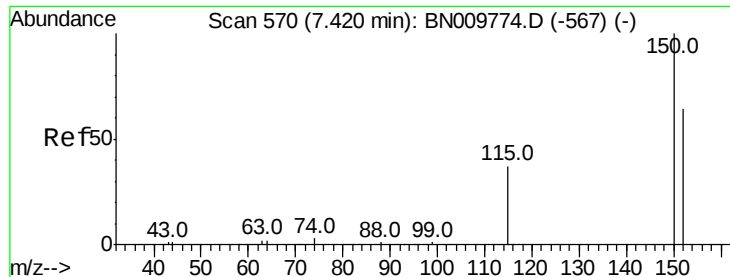
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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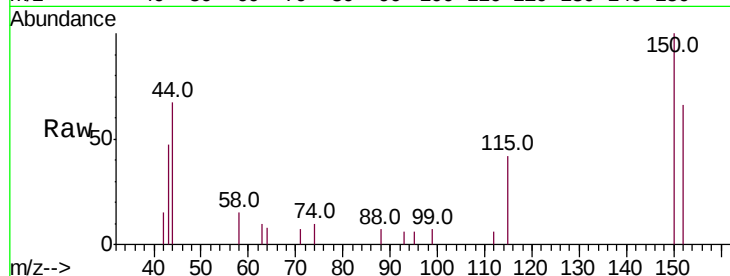




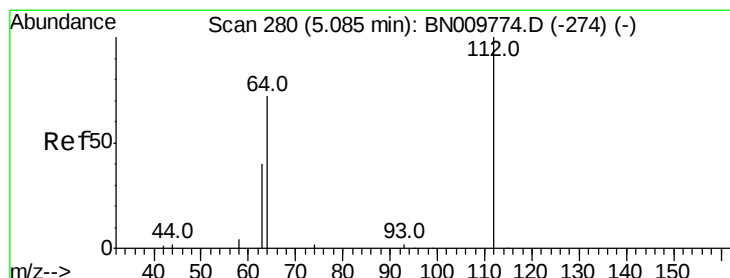
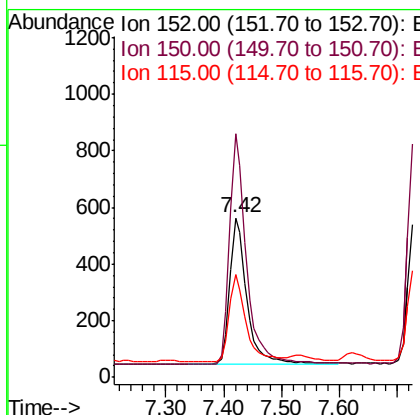
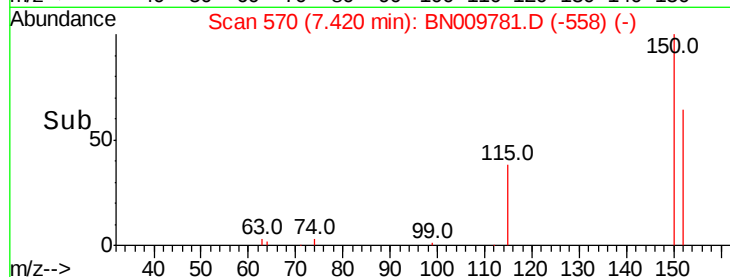
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.42 min Scan# 570  
 Delta R.T. -0.00 min  
 Lab File: BN009781.D  
 Acq: 19 Feb 2020 17:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP9-EP2-3

Tot Ion:152 Resp: 1062  
 Ion Ratio Lower Upper  
 152 100  
 150 152.5 120.6 181.0  
 115 64.5 51.2 76.8

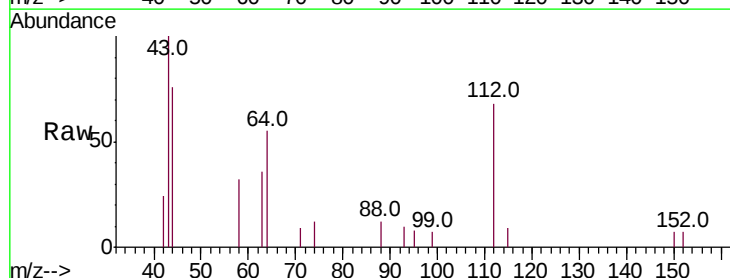


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

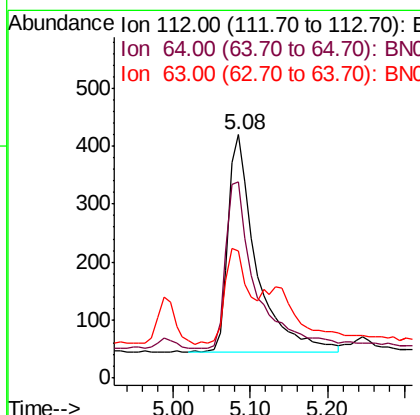
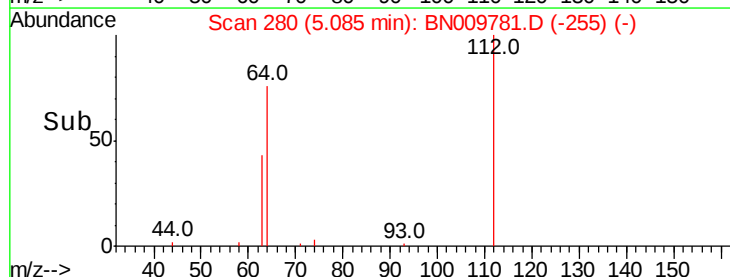


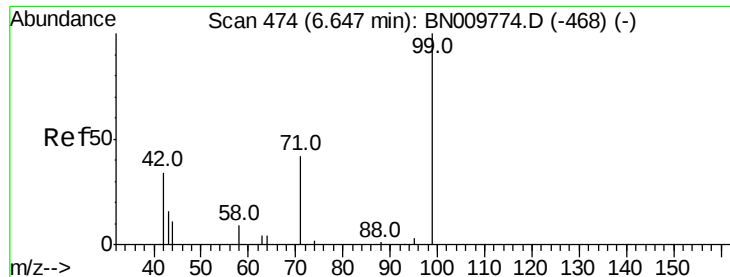
#4  
 2-Fluorophenol  
 Concen: 0.401 ng  
 RT: 5.08 min Scan# 280  
 Delta R.T. -0.00 min  
 Lab File: BN009781.D  
 Acq: 19 Feb 2020 17:22

Tgt Ion:112 Resp: 946  
 Ion Ratio Lower Upper  
 112 100  
 64 81.9 65.8 98.6  
 63 37.9 38.7 58.1#



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





#5

Phenol-d6

Concen: 0.415 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

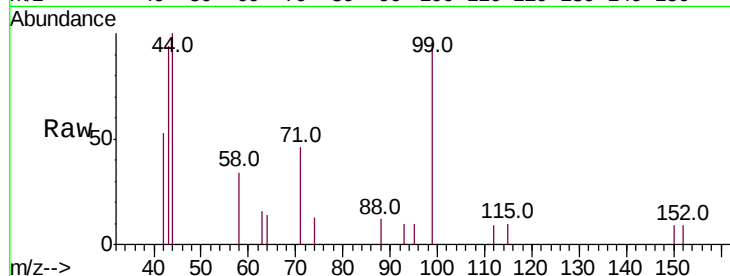
Tot Ion: 99 Resp: 1192

Ion Ratio Lower Upper

99 100

42 46.9 30.8 46.2#

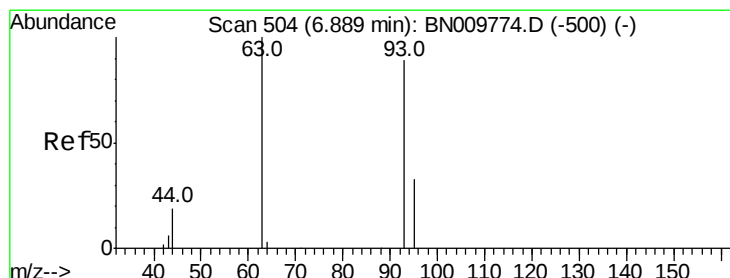
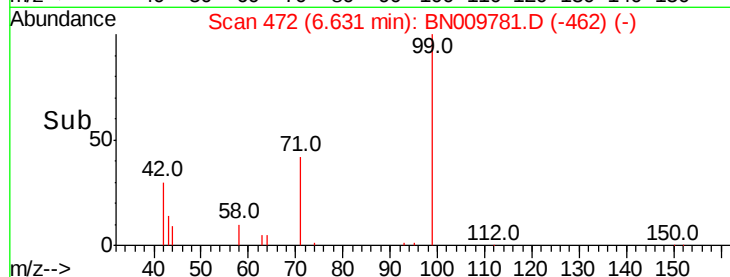
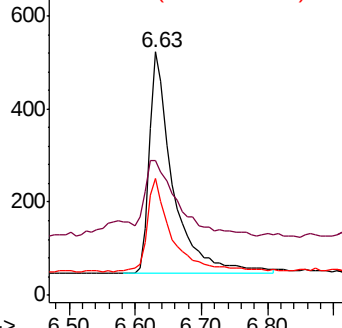
71 42.5 34.9 52.3



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: 0.076 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.10 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

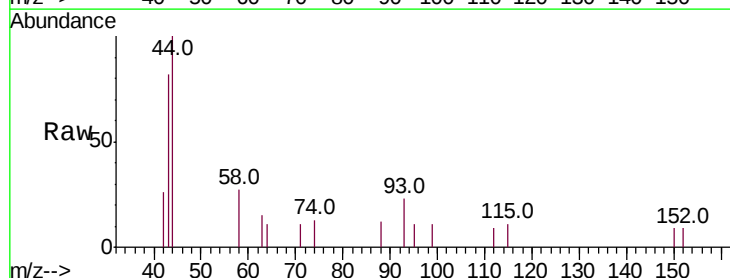
Tgt Ion: 93 Resp: 211

Ion Ratio Lower Upper

93 100

63 0.0 74.0 111.0#

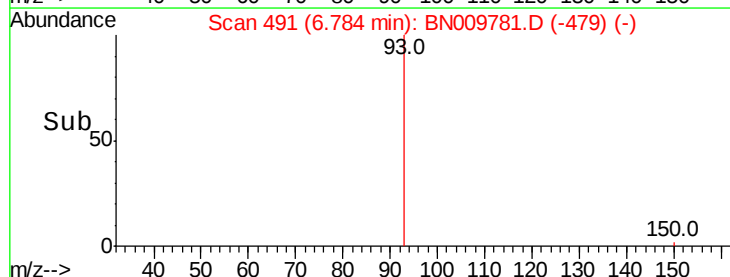
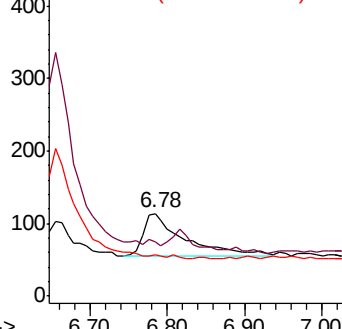
95 0.0 26.7 40.1#

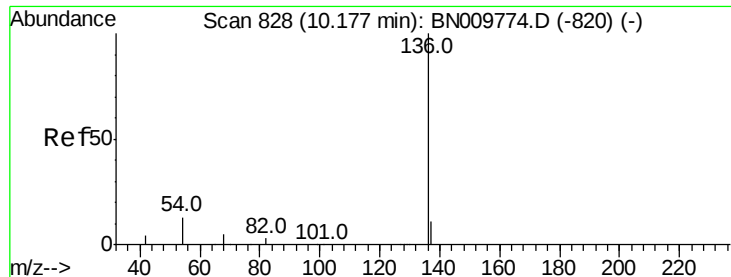


Abundance Ion 93.00 (92.70 to 93.70): BNC

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: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

Tot Ion:136 Resp: 3850

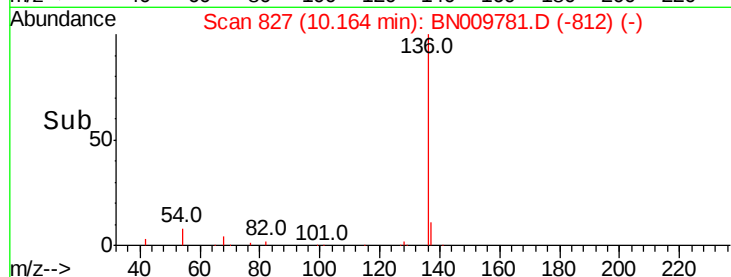
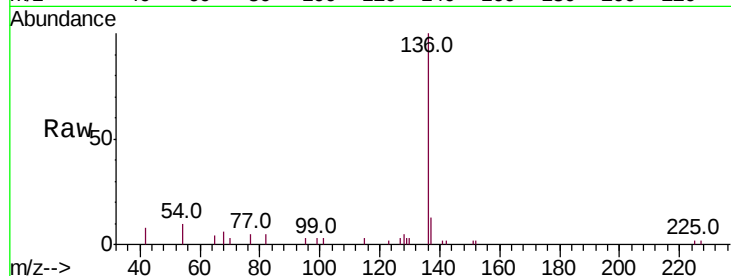
Ion Ratio Lower Upper

136 100

137 13.3 11.3 16.9

54 10.5 13.4 20.2#

68 6.2 7.0 10.4#

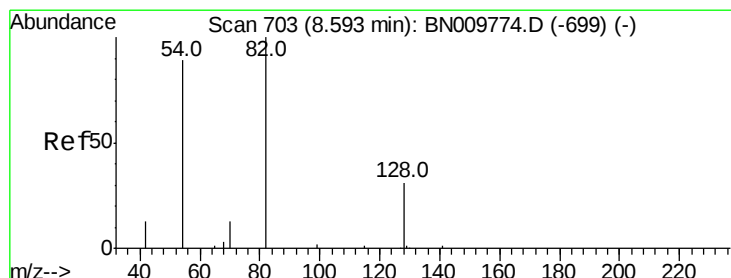
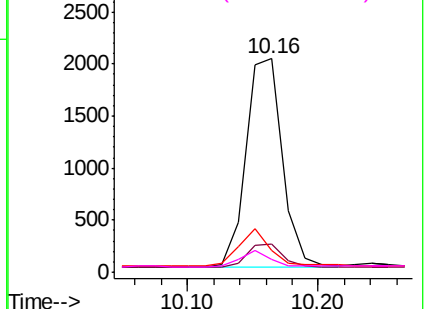


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.380 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

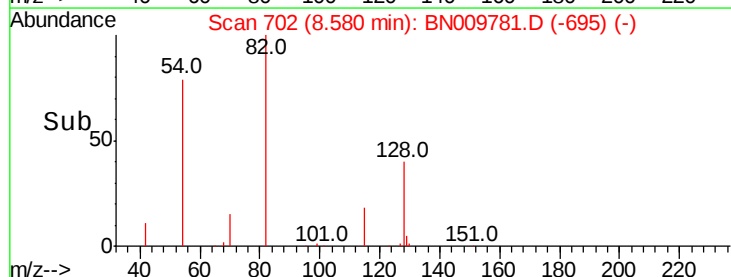
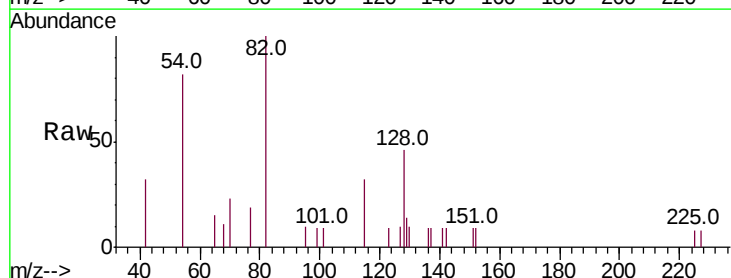
Tgt Ion: 82 Resp: 1217

Ion Ratio Lower Upper

82 100

128 45.7 32.5 48.7

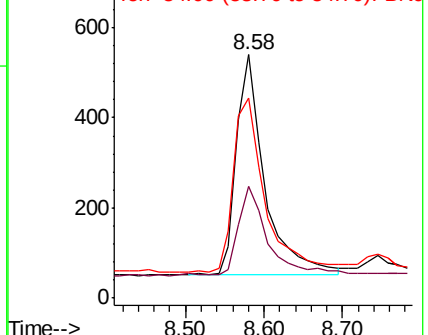
54 82.4 73.5 110.3

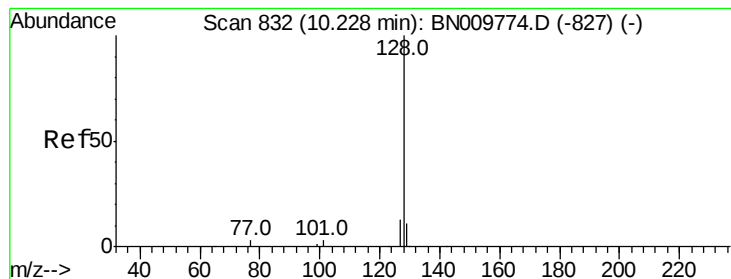


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 13.851 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.03 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

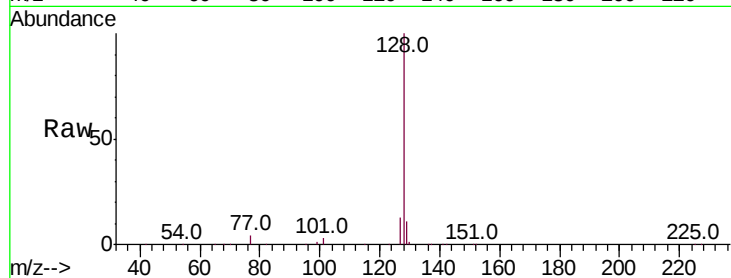
Tot Ion:128 Resp: 145448

Ion Ratio Lower Upper

128 100

129 11.0 11.1 16.7#

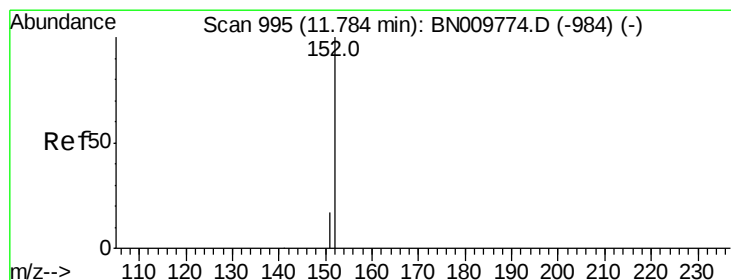
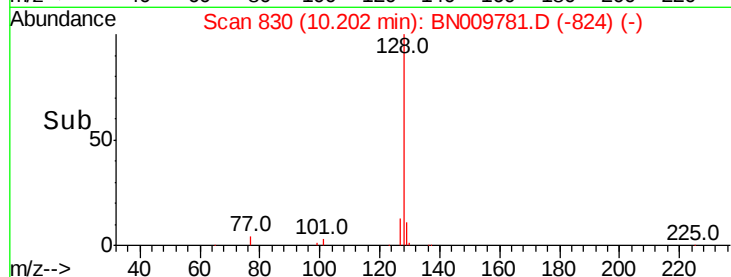
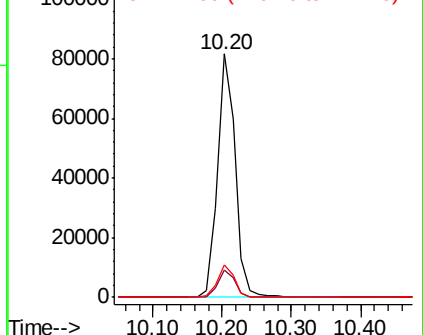
127 13.2 12.6 19.0



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



#11

2-Methylnaphthalene-d10

Concen: 0.284 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.03 min

Lab File: BN009781.D

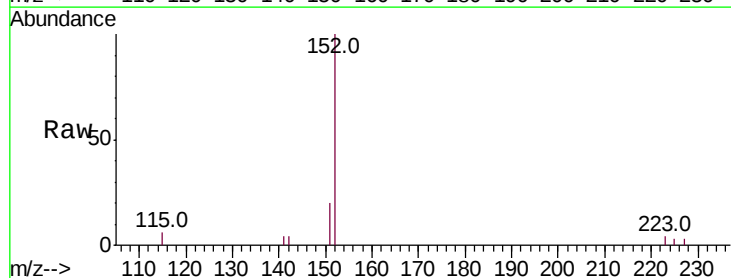
Acq: 19 Feb 2020 17:22

Tgt Ion:152 Resp: 2118

Ion Ratio Lower Upper

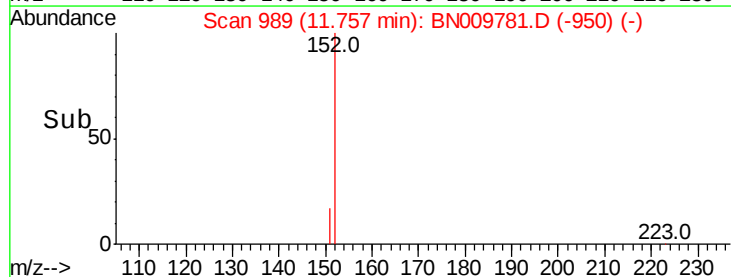
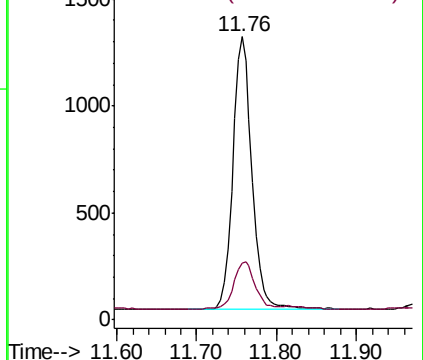
152 100

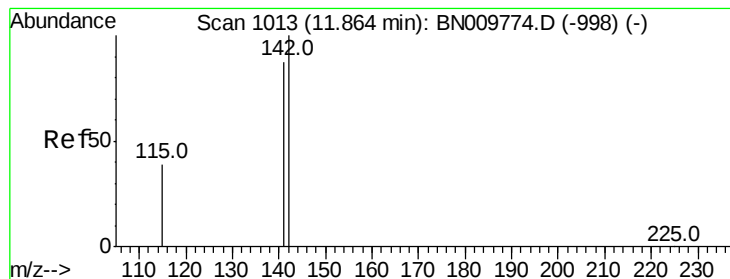
151 19.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 7.002 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

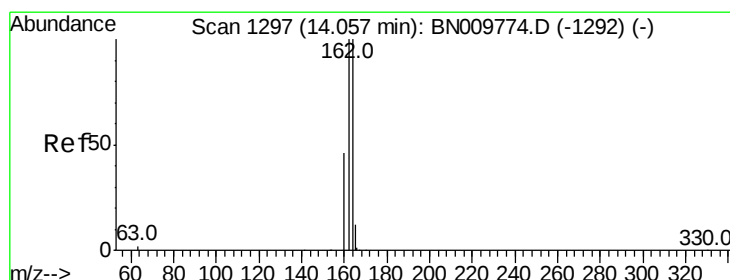
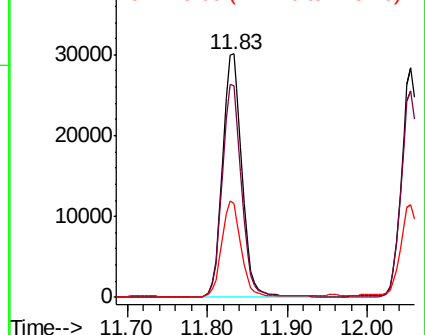
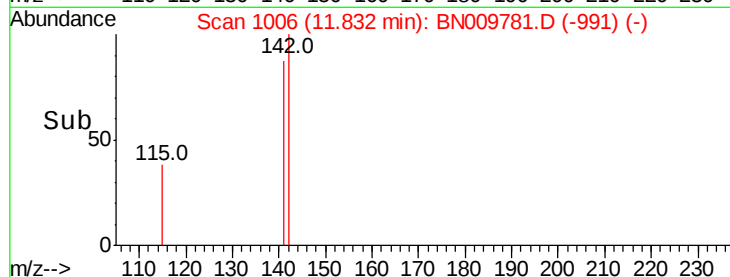
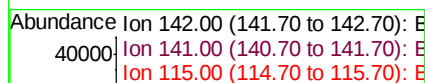
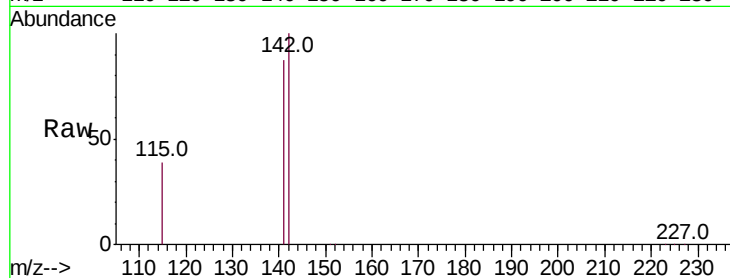
Tot Ion:142 Resp: 50408

Ion Ratio Lower Upper

142 100

141 87.2 69.8 104.6

115 38.6 34.6 52.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

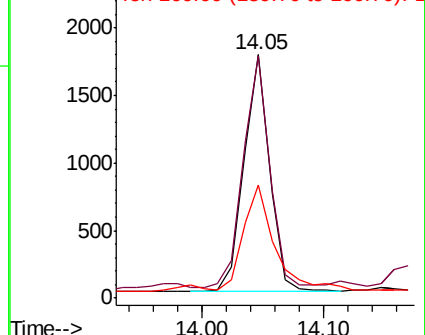
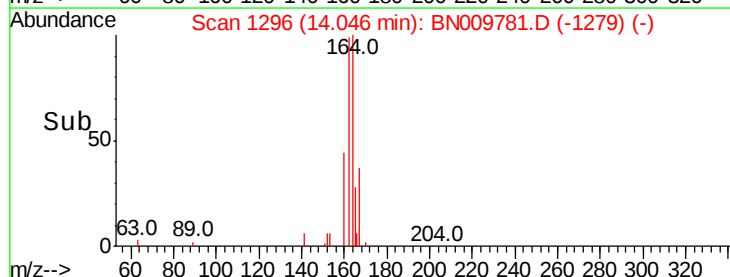
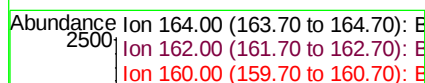
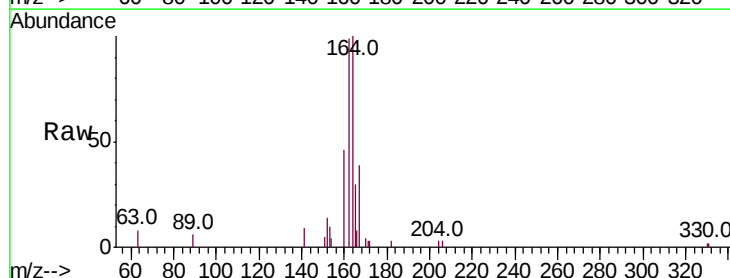
Tgt Ion:164 Resp: 2570

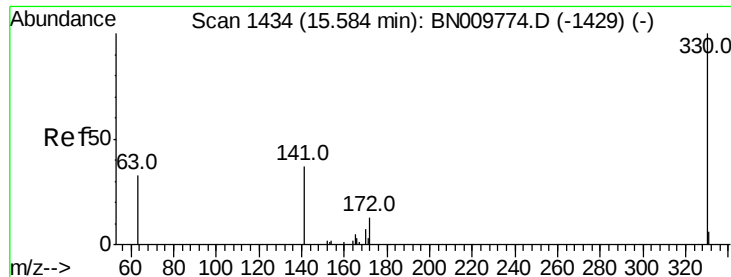
Ion Ratio Lower Upper

164 100

162 99.4 79.9 119.9

160 46.2 38.2 57.2

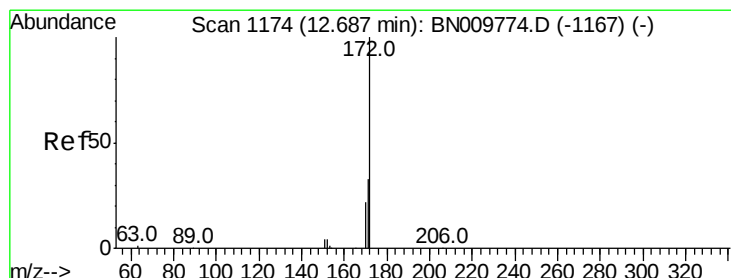
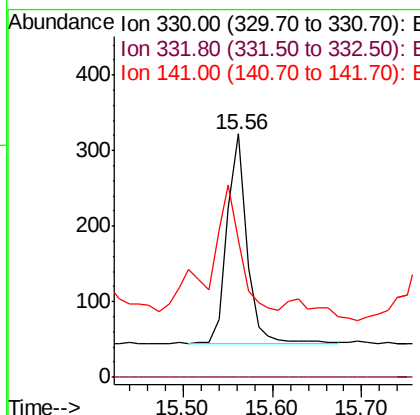
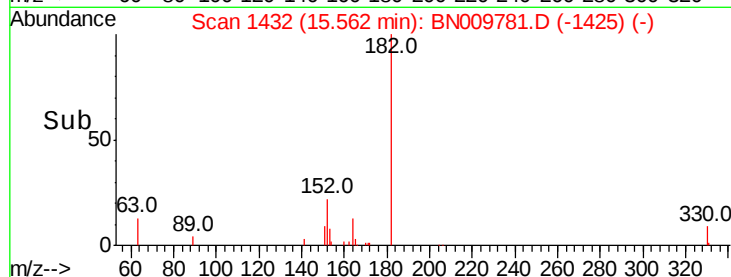
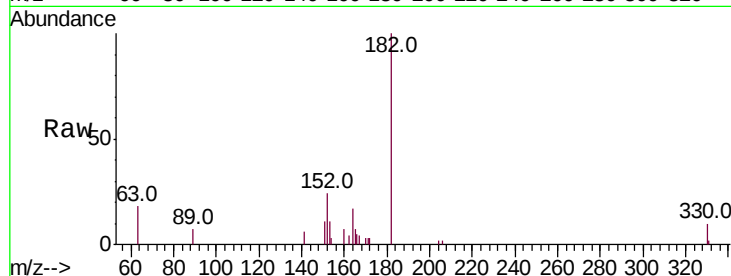




#14  
 2,4,6-Tribromophenol  
 Concen: 0.431 ng  
 RT: 15.56 min Scan# 1432  
 Delta R.T. -0.02 min  
 Lab File: BN009781.D  
 Acq: 19 Feb 2020 17:22

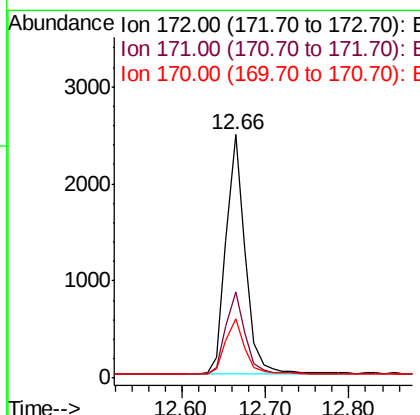
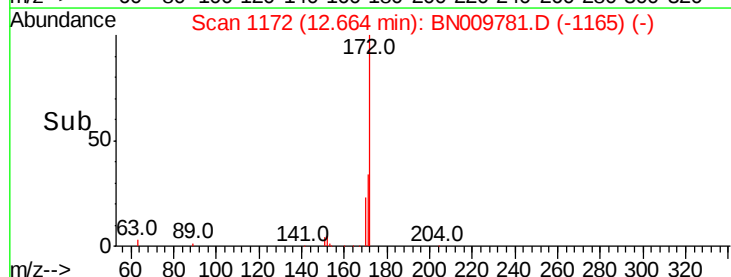
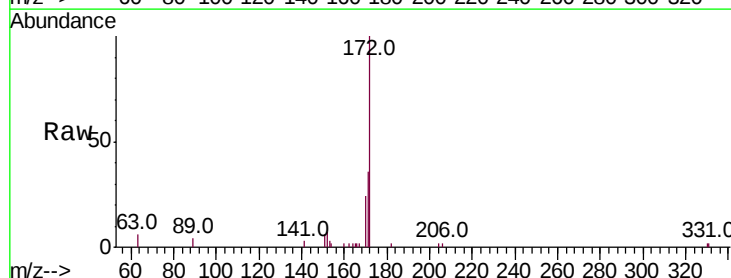
Instrument :  
 BNA\_N  
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 TP9-EP2-3

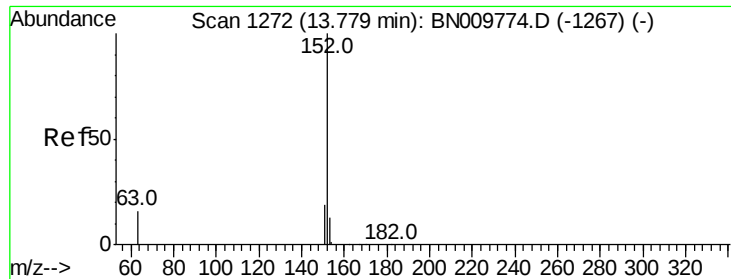
Tot Ion:330 Resp: 427  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 83.4 36.8 55.2#



#15  
 2-Fluorobiphenyl  
 Concen: 0.403 ng  
 RT: 12.66 min Scan# 1172  
 Delta R.T. -0.02 min  
 Lab File: BN009781.D  
 Acq: 19 Feb 2020 17:22

Tgt Ion:172 Resp: 3910  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.7 43.1  
 170 24.2 20.1 30.1





#16

Acenaphthylene

Concen: 1.281 ng

RT: 13.76 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

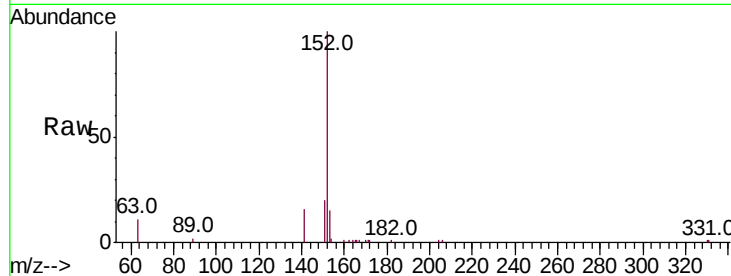
Tot Ion:152 Resp: 14039

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

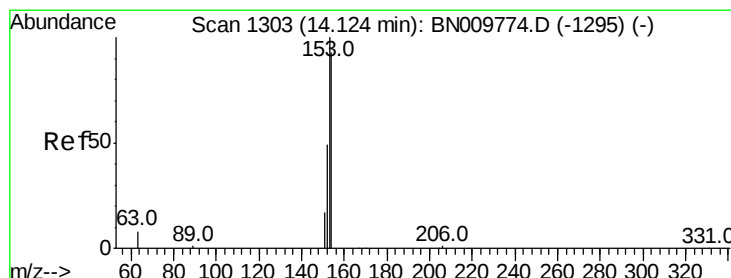
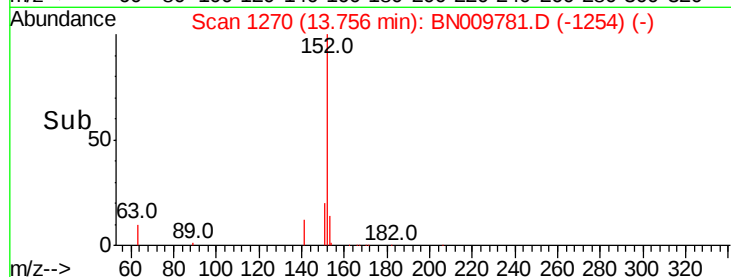
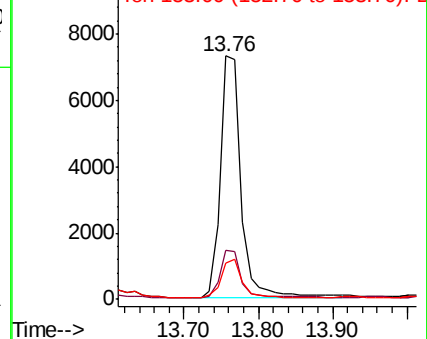
153 15.9 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 7.786 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

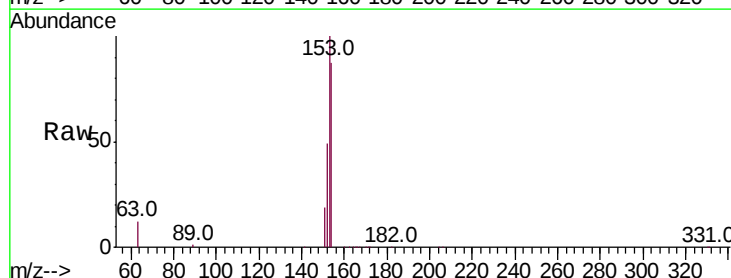
Tgt Ion:154 Resp: 59982

Ion Ratio Lower Upper

154 100

153 111.5 88.9 133.3

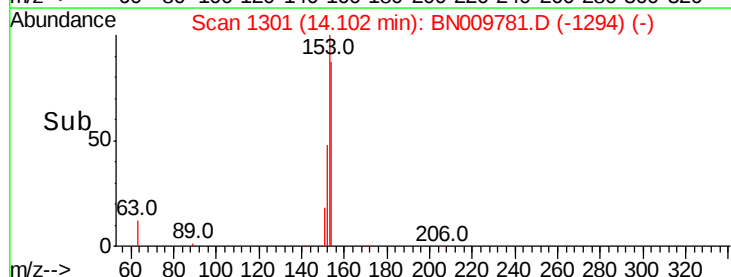
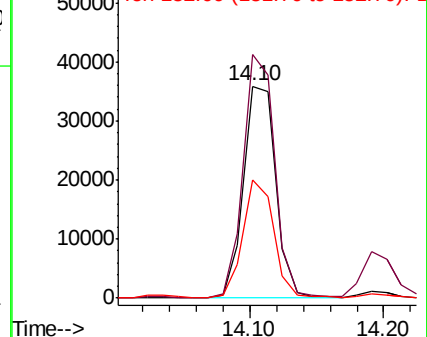
152 53.3 44.2 66.2

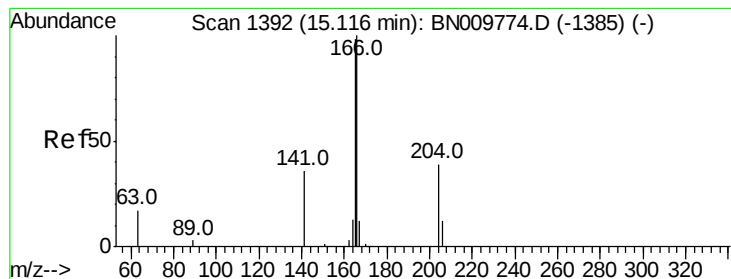


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 4.549 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

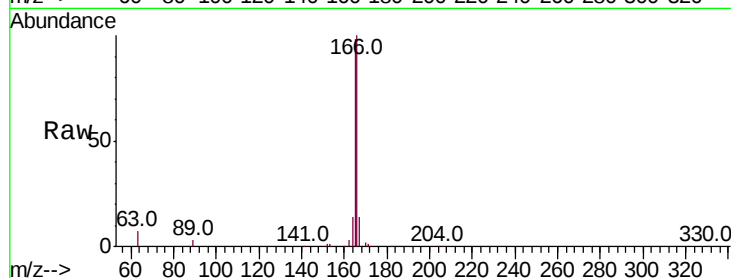
Tot Ion:166 Resp: 46247

Ion Ratio Lower Upper

166 100

165 96.3 77.2 115.8

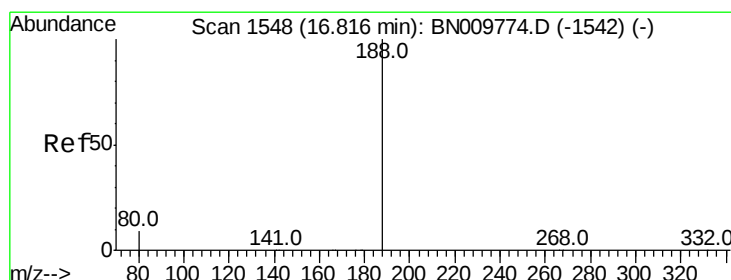
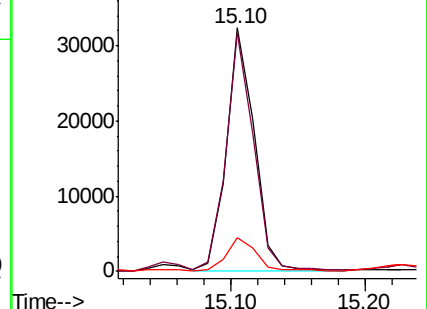
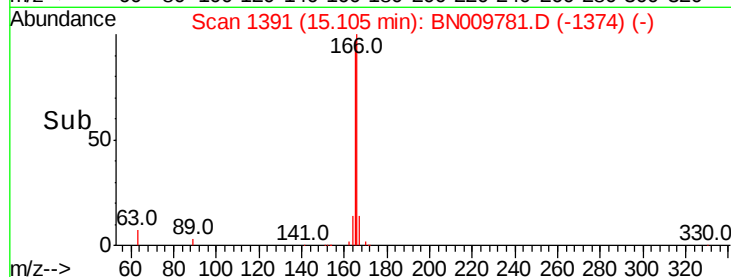
167 14.3 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

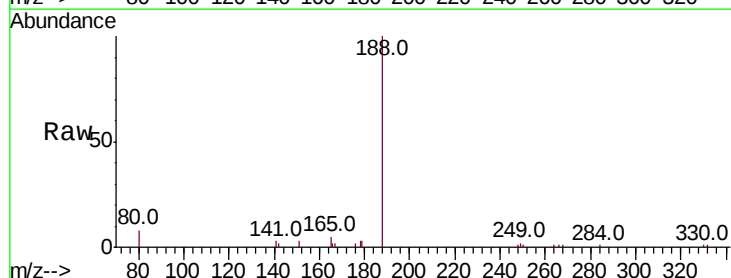
Tgt Ion:188 Resp: 5930

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

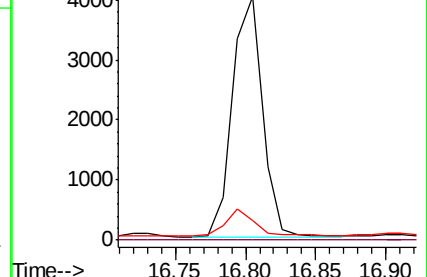
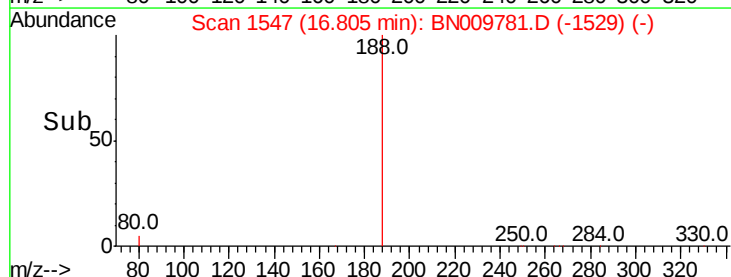
80 8.2 8.3 12.5#

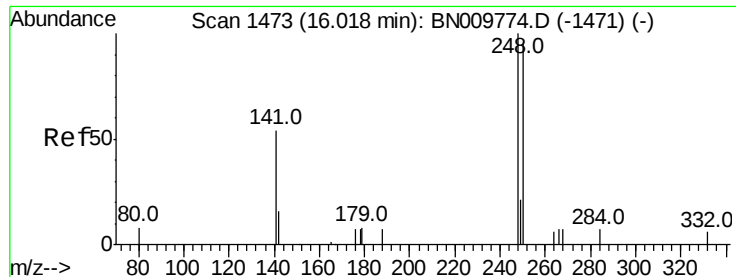


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

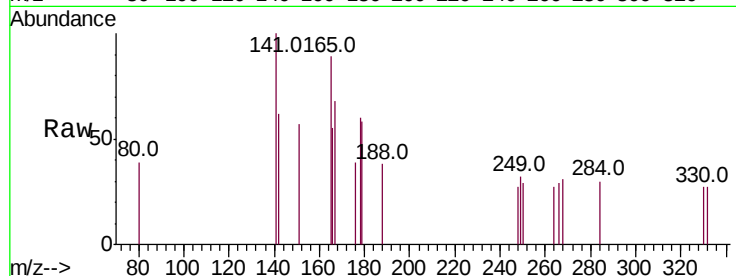
Tot Ion:248 Resp: 118

Ion Ratio Lower Upper

248 100

250 106.5 76.2 114.4

141 365.2 57.8 86.6#

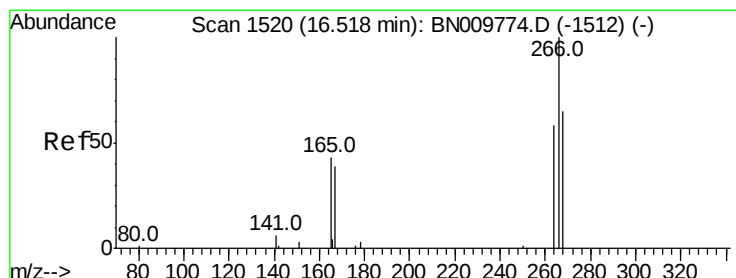
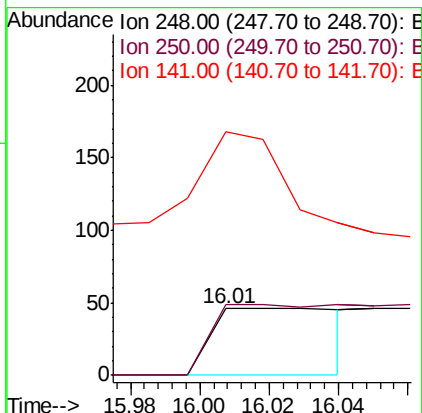
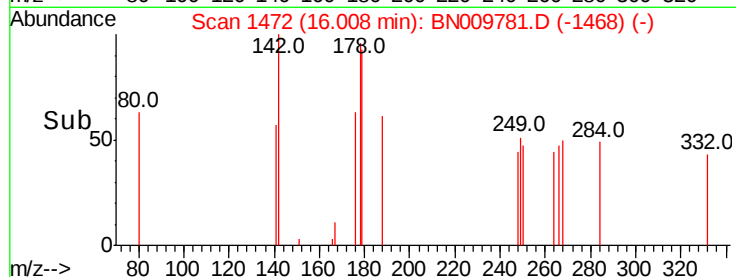


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



#22

Pentachlorophenol

Concen: 0.183 ng

RT: 16.48 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

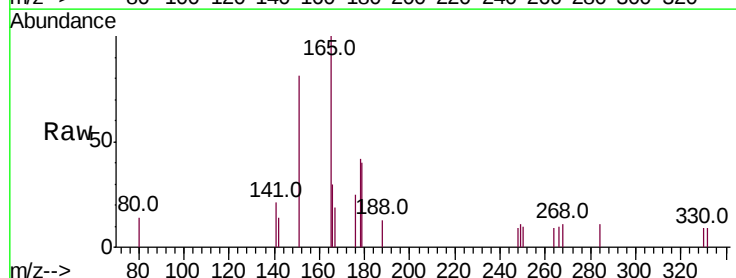
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 90.4 58.1 87.1#

268 103.8 65.7 98.5#

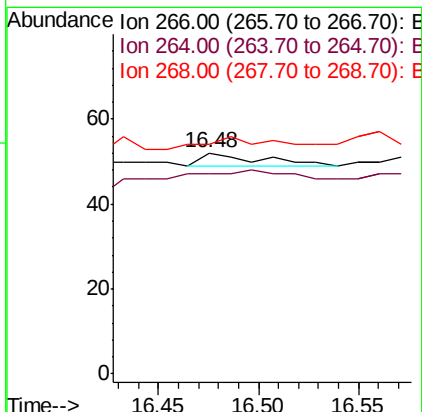
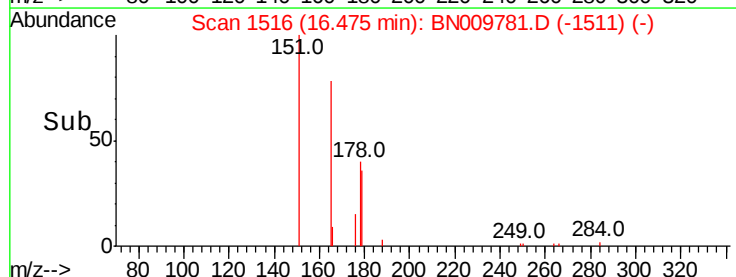


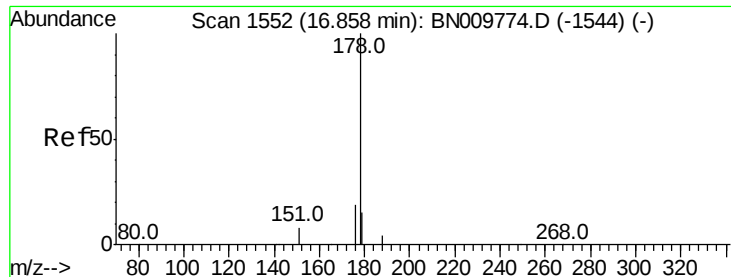
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->





#23

Phenanthrene

Concen: 14.966 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

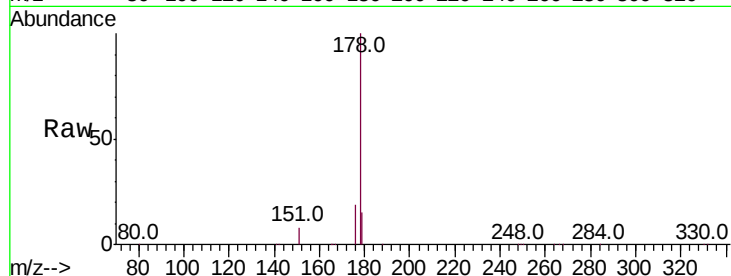
Tot Ion:178 Resp: 264130

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

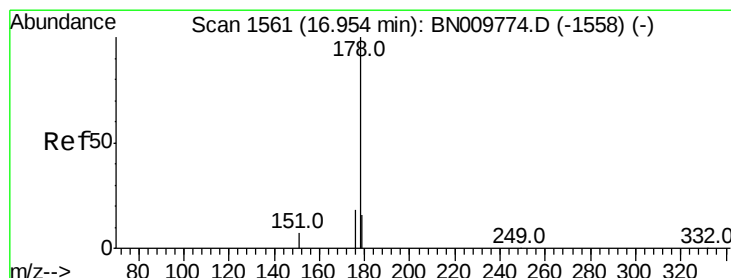
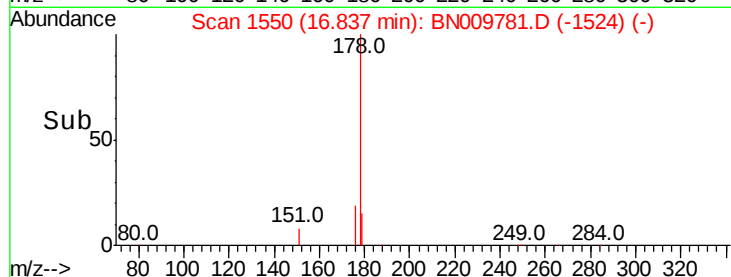
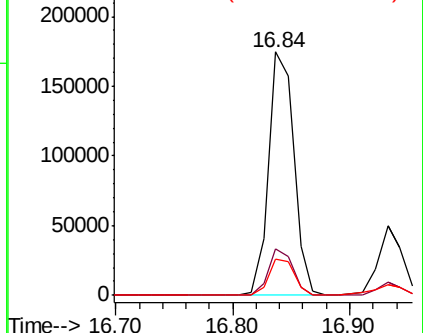
179 15.3 12.4 18.6



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: 4.690 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

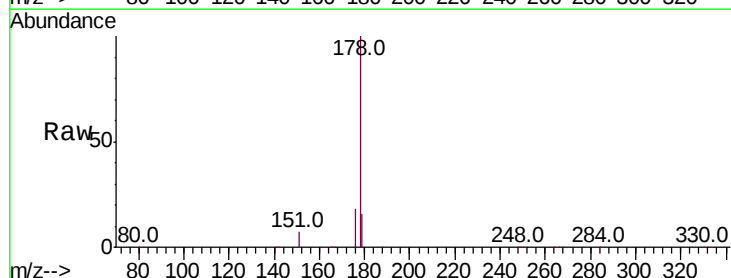
Tgt Ion:178 Resp: 69972

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

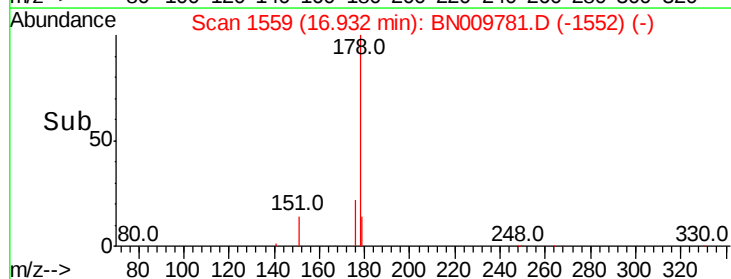
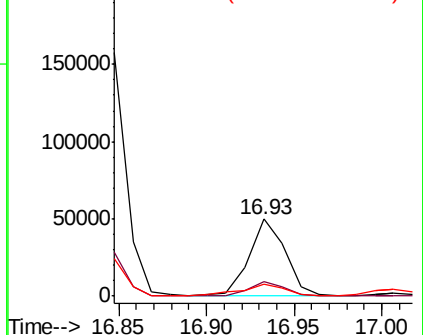
179 18.7 12.4 18.6#

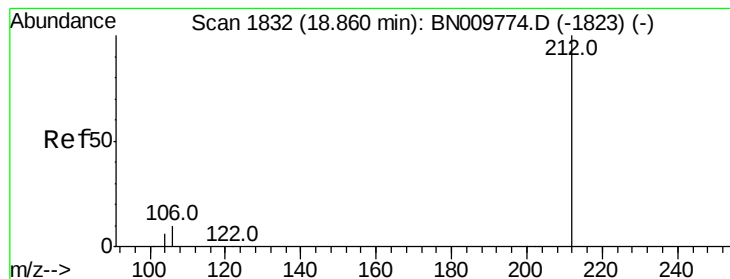


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.297 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

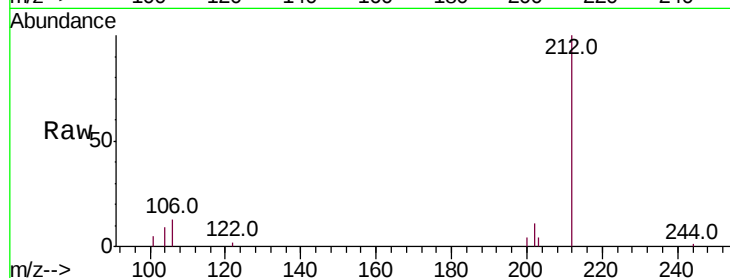
Tot Ion:212 Resp: 6091

Ion Ratio Lower Upper

212 100

106 11.3 8.4 12.6

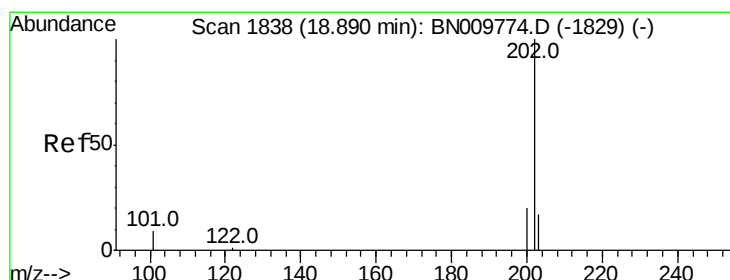
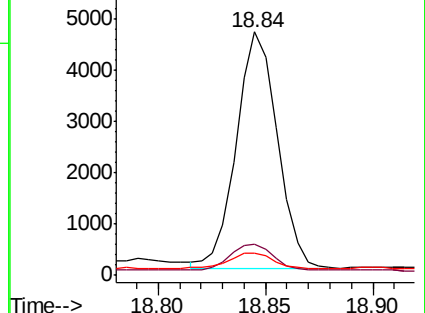
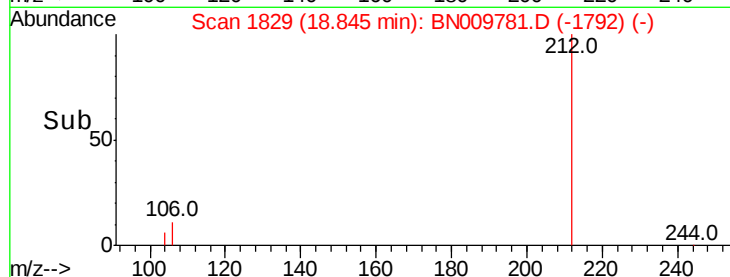
104 7.9 4.8 7.2#



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: 22.911 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

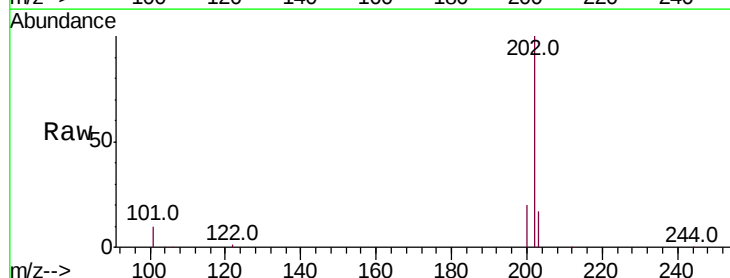
Tgt Ion:202 Resp: 484152

Ion Ratio Lower Upper

202 100

101 9.6 7.1 10.7

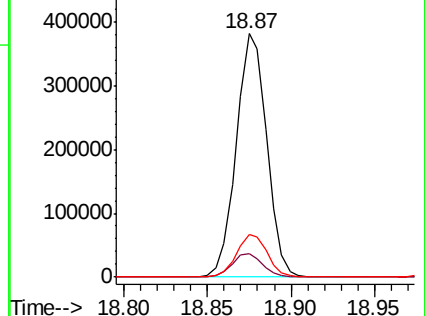
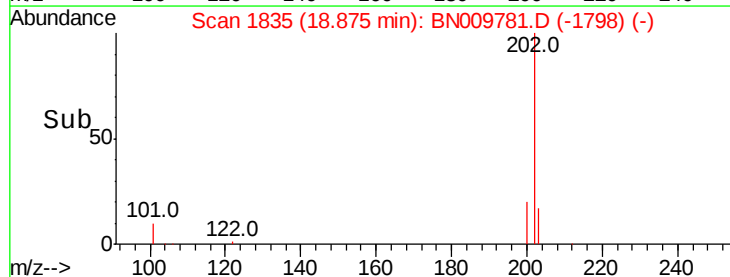
203 17.5 13.8 20.6

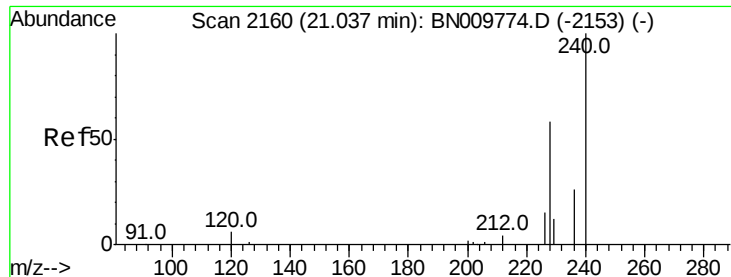


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.02 min Scan# 2158

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

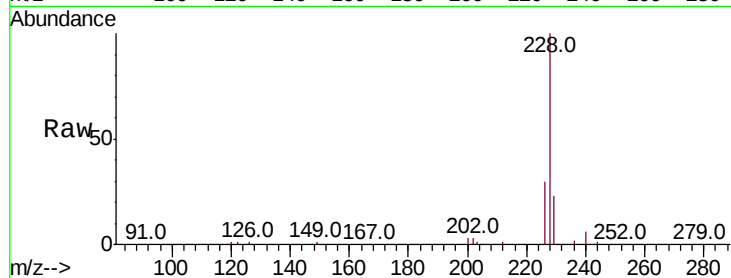
Tot Ion:240 Resp: 6713

Ion Ratio Lower Upper

240 100

120 16.0 7.9 11.9#

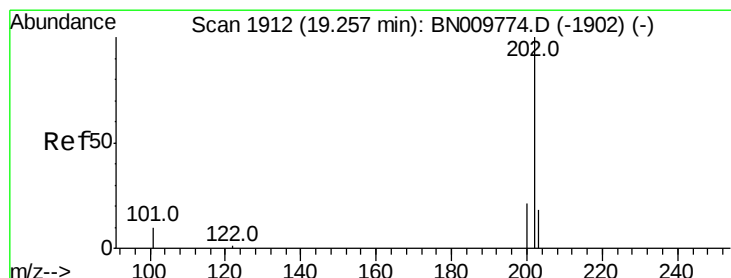
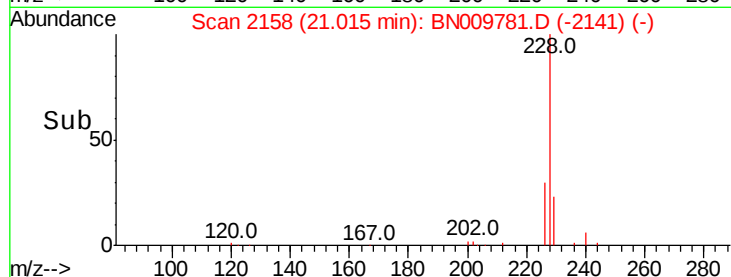
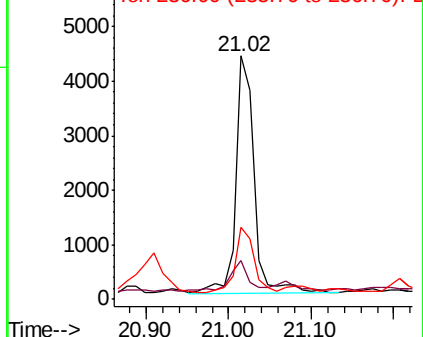
236 29.9 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 15.707 ng

RT: 19.24 min Scan# 1909

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

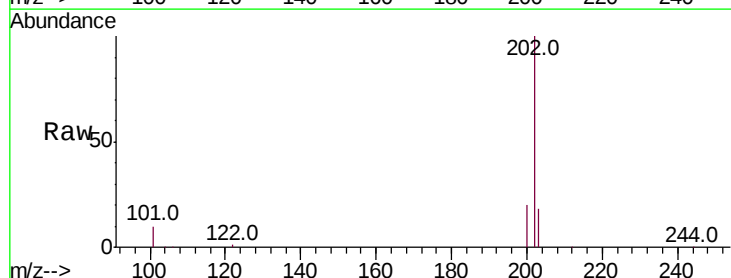
Tgt Ion:202 Resp: 400388

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

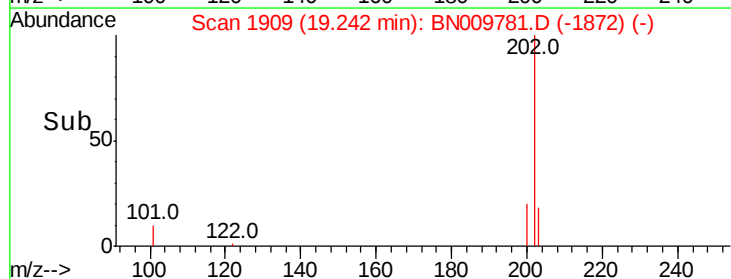
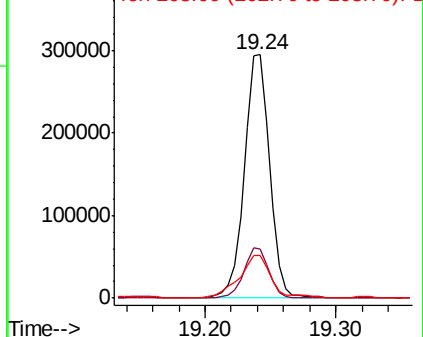
203 22.0 13.9 20.9#

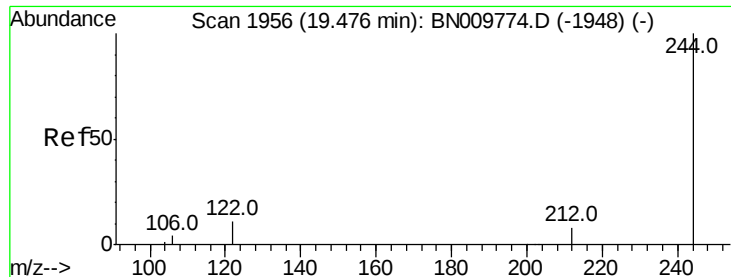


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.358 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

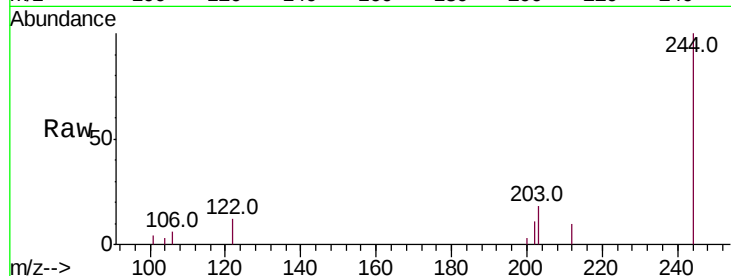
Tot Ion:244 Resp: 5742

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

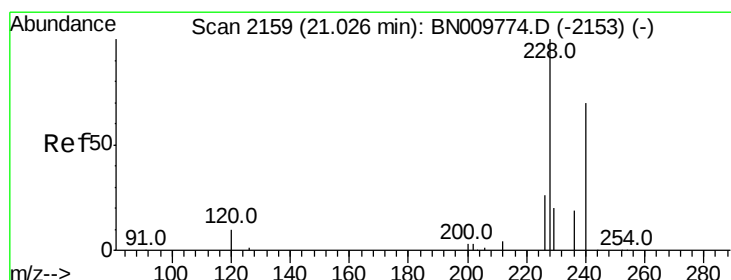
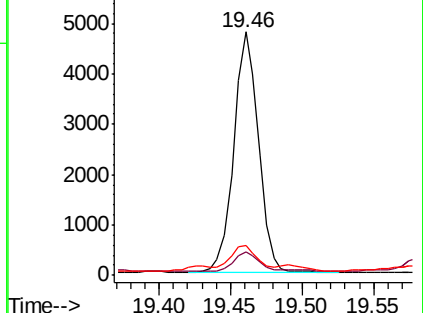
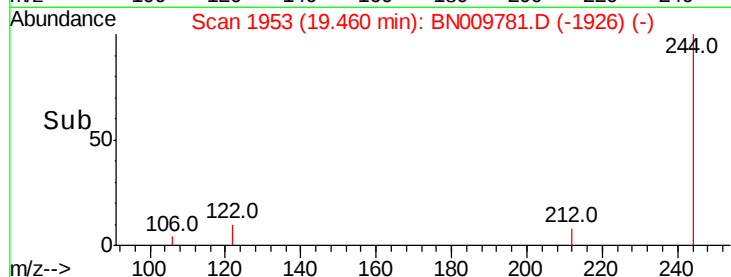
122 12.4 10.0 15.0



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: 11.604 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

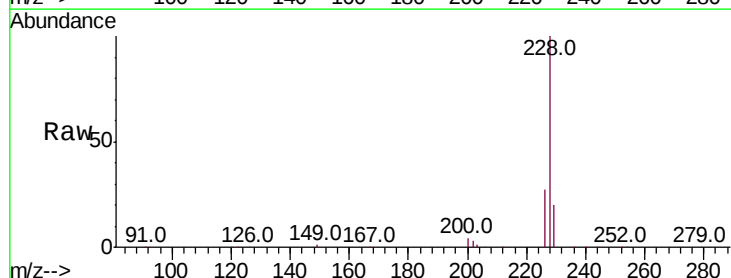
Tgt Ion:228 Resp: 258502

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

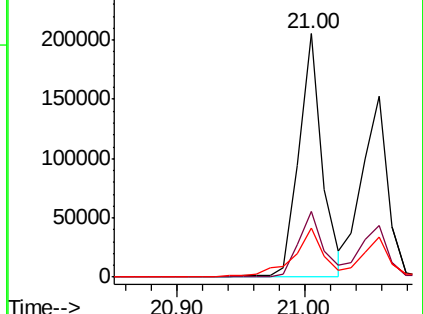
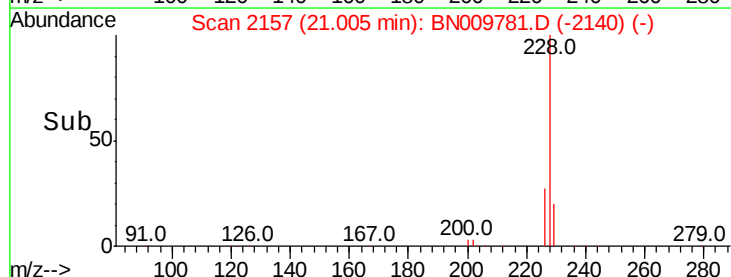
229 20.1 17.1 25.7

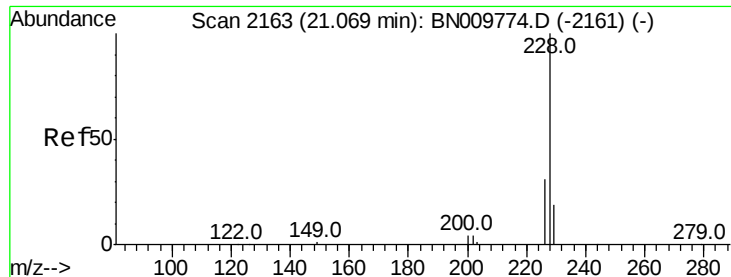


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 8.274 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

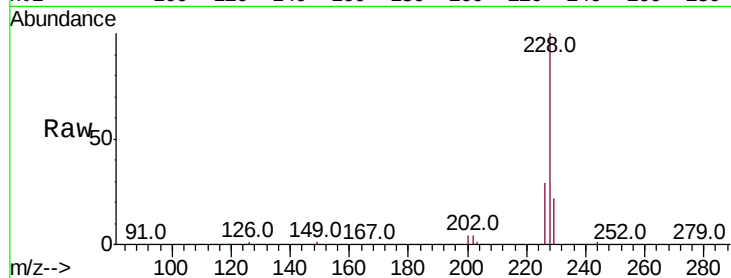
Tot Ion:228 Resp: 213252

Ion Ratio Lower Upper

228 100

226 28.7 24.8 37.2

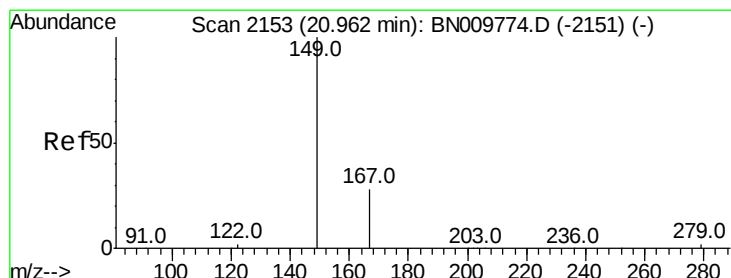
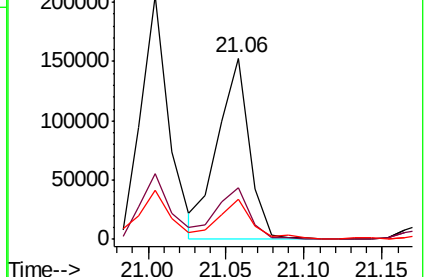
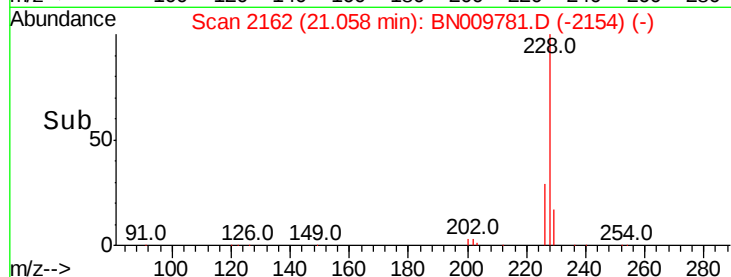
229 22.1 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.101 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

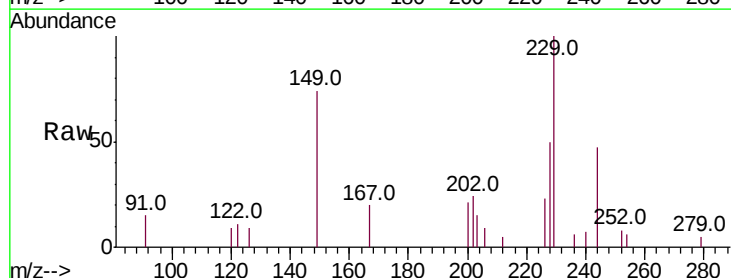
Tgt Ion:149 Resp: 1102

Ion Ratio Lower Upper

149 100

167 31.6 22.7 34.1

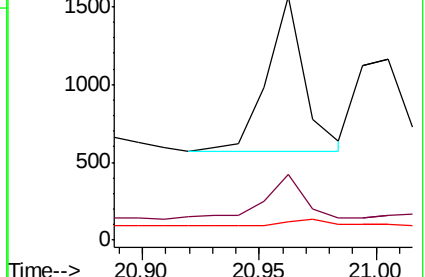
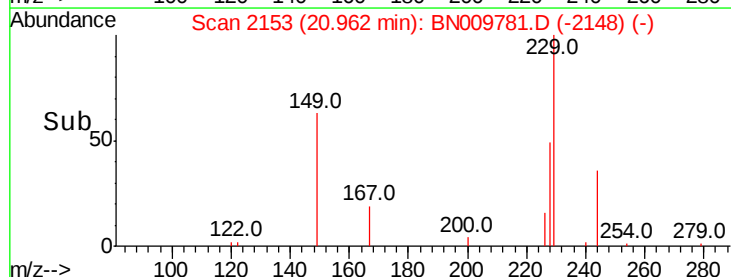
279 4.1 3.1 4.7

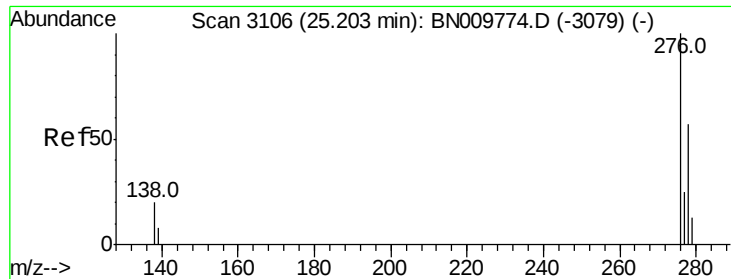


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 2.574 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

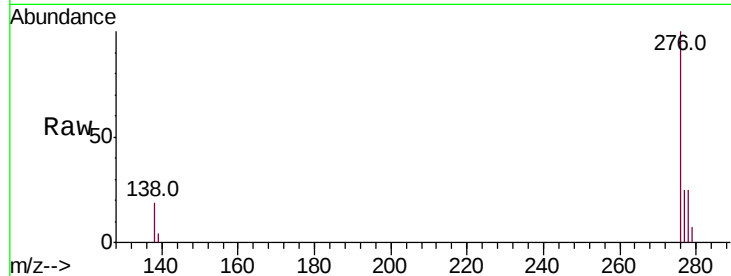
Tot Ion:276 Resp: 69097

Ion Ratio Lower Upper

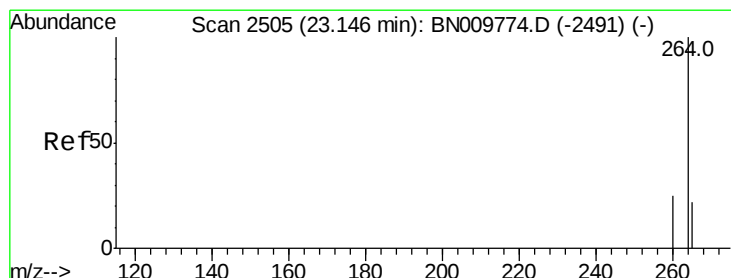
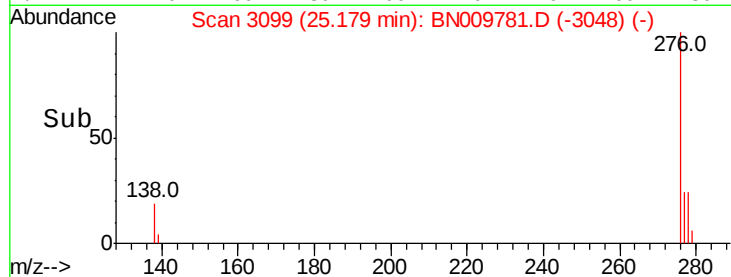
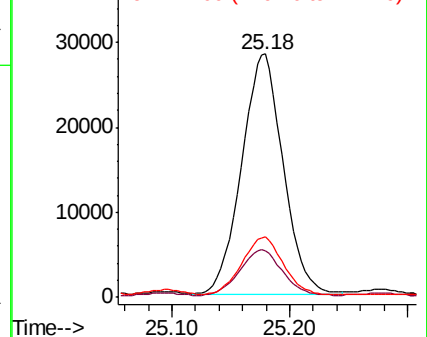
276 100

138 20.8 15.8 23.6

277 24.7 19.3 28.9



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: 23.13 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

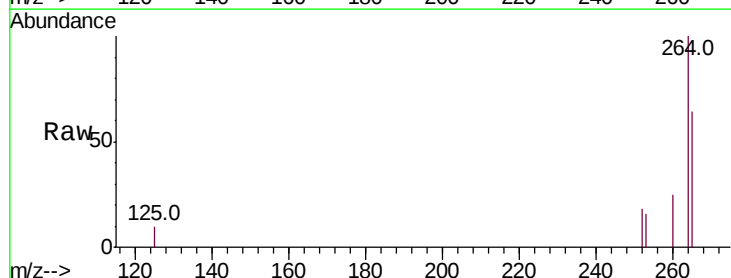
Tgt Ion:264 Resp: 6457

Ion Ratio Lower Upper

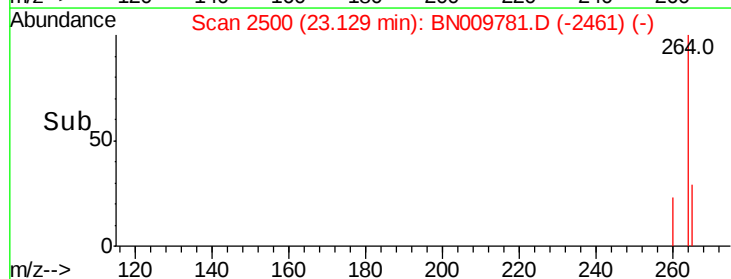
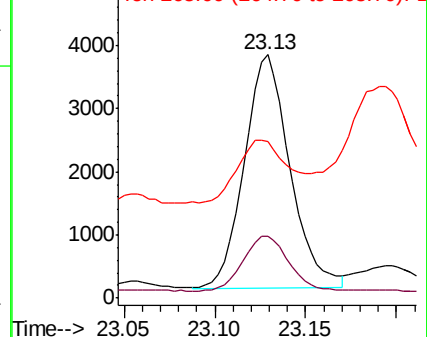
264 100

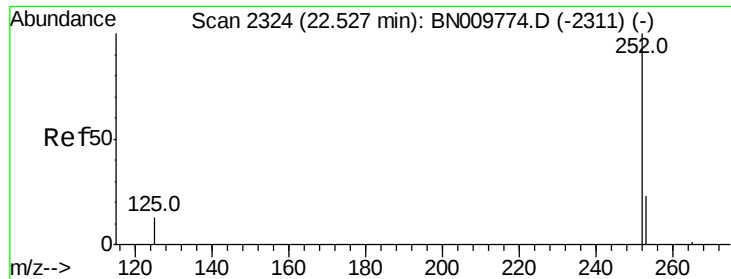
260 25.3 21.1 31.7

265 64.3 57.5 86.3



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

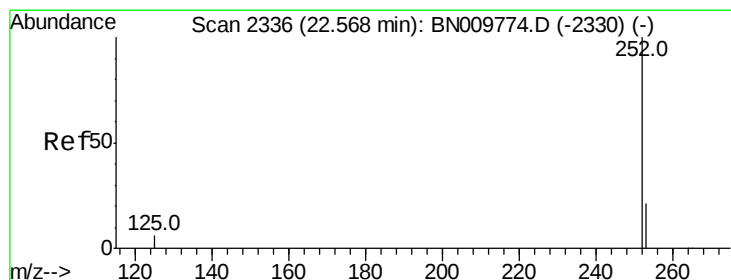
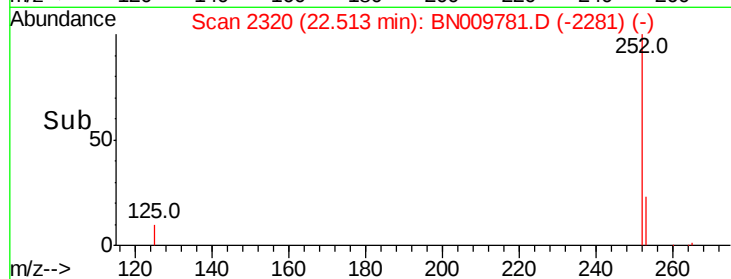
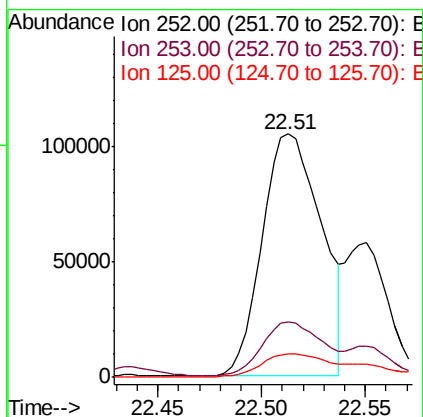
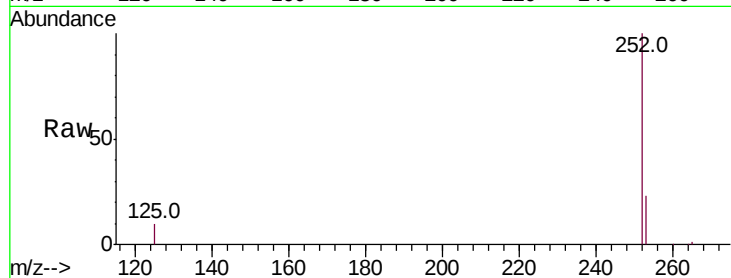




#35  
Benzo(b)fluoranthene  
Concen: 8.819 ng  
RT: 22.51 min Scan# 2320  
Delta R.T. -0.01 min  
Lab File: BN009781.D  
Acq: 19 Feb 2020 17:22

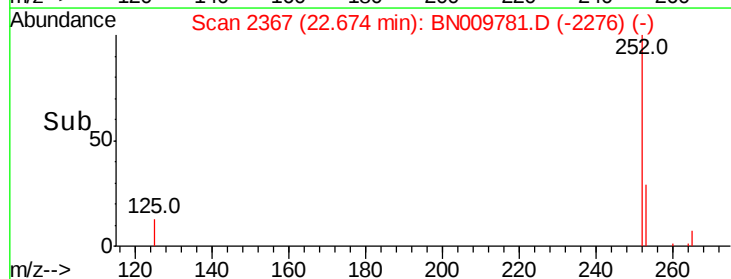
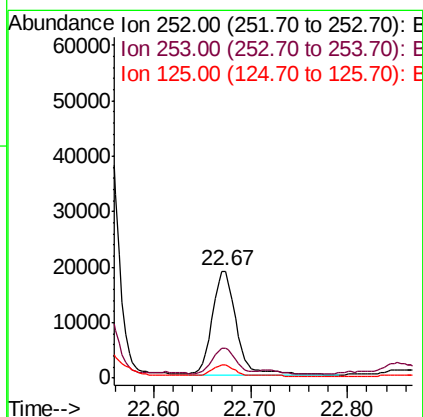
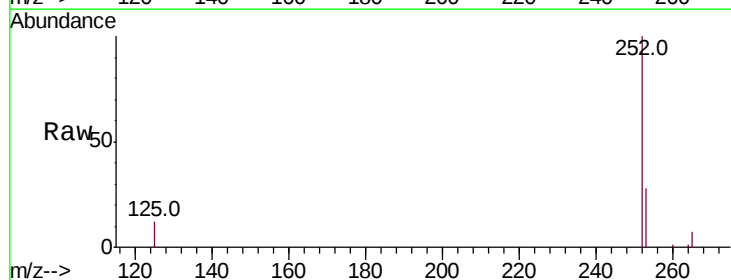
Instrument :  
BNA\_N  
ClientSampleId :  
TP9-EP2-3

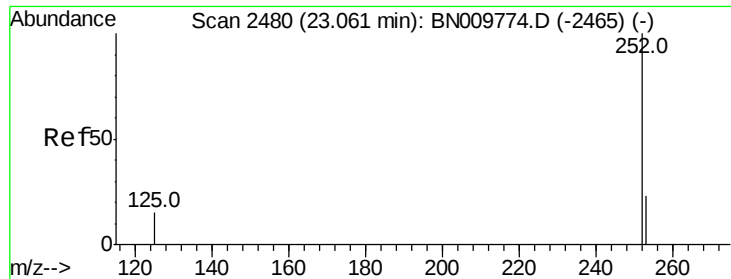
Tot Ion:252 Resp: 208181  
Ion Ratio Lower Upper  
252 100  
253 22.5 23.0 34.6#  
125 9.7 14.4 21.6#



#36  
Benzo(k)fluoranthene  
Concen: 1.238 ng  
RT: 22.67 min Scan# 2367  
Delta R.T. 0.11 min  
Lab File: BN009781.D  
Acq: 19 Feb 2020 17:22

Tgt Ion:252 Resp: 31816  
Ion Ratio Lower Upper  
252 100  
253 28.3 22.2 33.2  
125 12.3 10.5 15.7





#37

Benzo(a)pyrene

Concen: 6.685 ng

RT: 23.04 min Scan# 2474

Delta R.T. -0.02 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

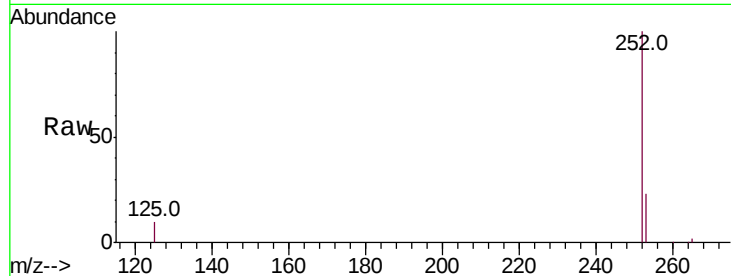
Tot Ion:252 Resp: 143984

Ion Ratio Lower Upper

252 100

253 23.0 25.3 37.9#

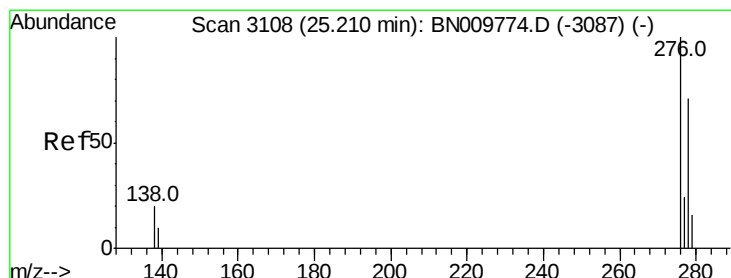
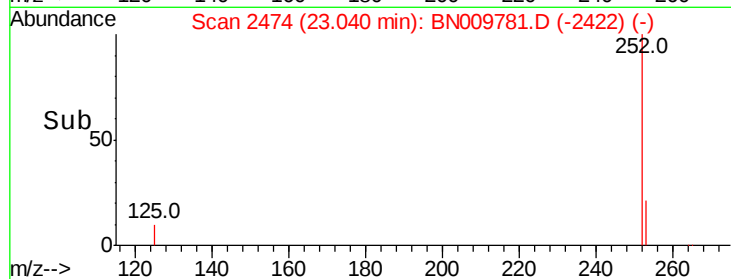
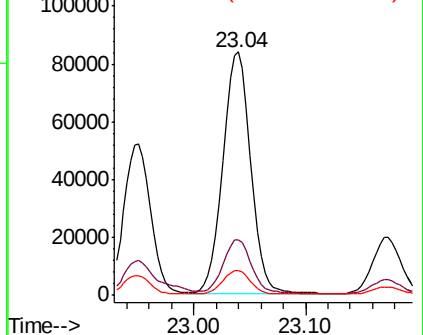
125 10.2 17.7 26.5#



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: 0.987 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.03 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

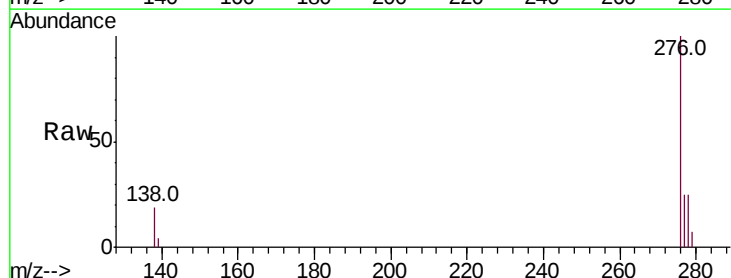
Tgt Ion:278 Resp: 20938

Ion Ratio Lower Upper

278 100

139 18.2 14.5 21.7

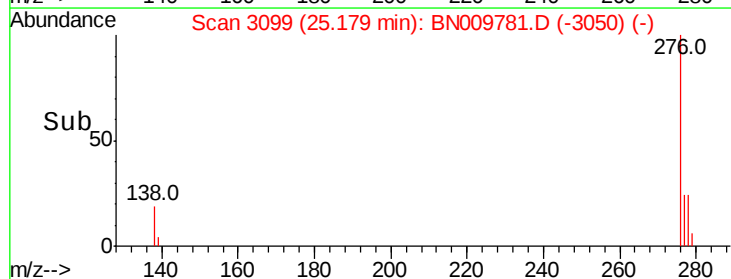
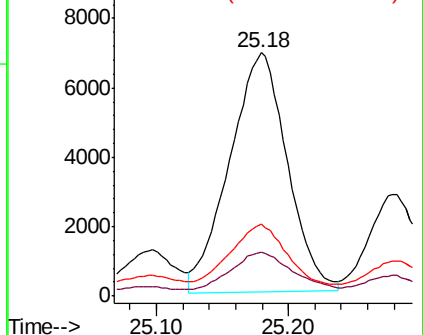
279 29.6 24.3 36.5

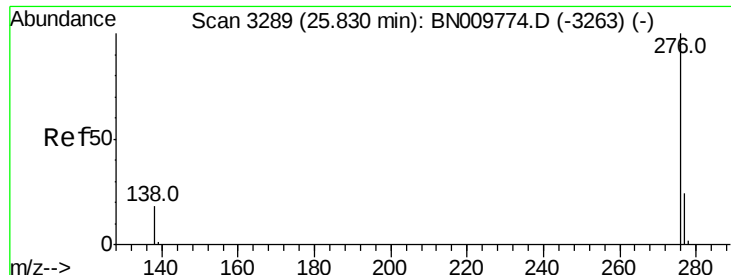


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.713 ng

RT: 25.80 min Scan# 3280

Delta R.T. -0.03 min

Lab File: BN009781.D

Acq: 19 Feb 2020 17:22

Instrument :

BNA\_N

ClientSampleId :

TP9-EP2-3

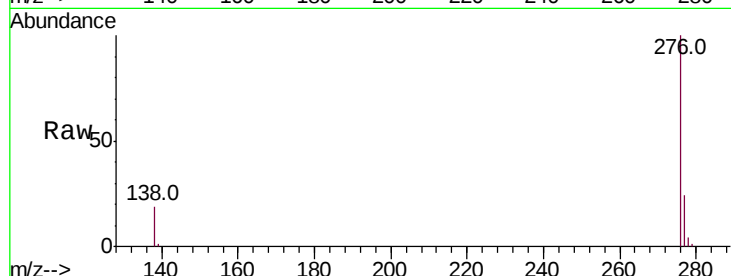
Tot Ion:276 Resp: 61286

Ion Ratio Lower Upper

276 100

277 24.2 21.4 32.0

138 19.5 16.6 24.8



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

