

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\  
 Data File : BN011557.D  
 Acq On : 21 Aug 2020 16:24  
 Operator : CG/JU  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Aug 21 18:42:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 21 18:41:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.41  | 152  | 1131     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 3908     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.04 | 164  | 2620     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 16.80 | 188  | 5722     | 0.40 | ng    | 0.01     |
| 29) Chrysene-d12          | 21.02 | 240  | 5550     | 0.40 | ng    | 0.01     |
| 36) Perylene-d12          | 23.12 | 264  | 5038     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.07  | 112 | 288  | 0.11 | ng | 0.00 |
| 5) Phenol-d6                | 6.66  | 99  | 70   | 0.02 | ng | 0.03 |
| 8) Nitrobenzene-d5          | 8.59  | 82  | 191  | 0.06 | ng | 0.04 |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152 | 757  | 0.10 | ng | 0.02 |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330 | 132  | 0.11 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.67 | 172 | 1027 | 0.09 | ng | 0.01 |
| 27) Fluoranthene-d10        | 18.84 | 212 | 2481 | 0.14 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.46 | 244 | 1820 | 0.15 | ng | 0.00 |

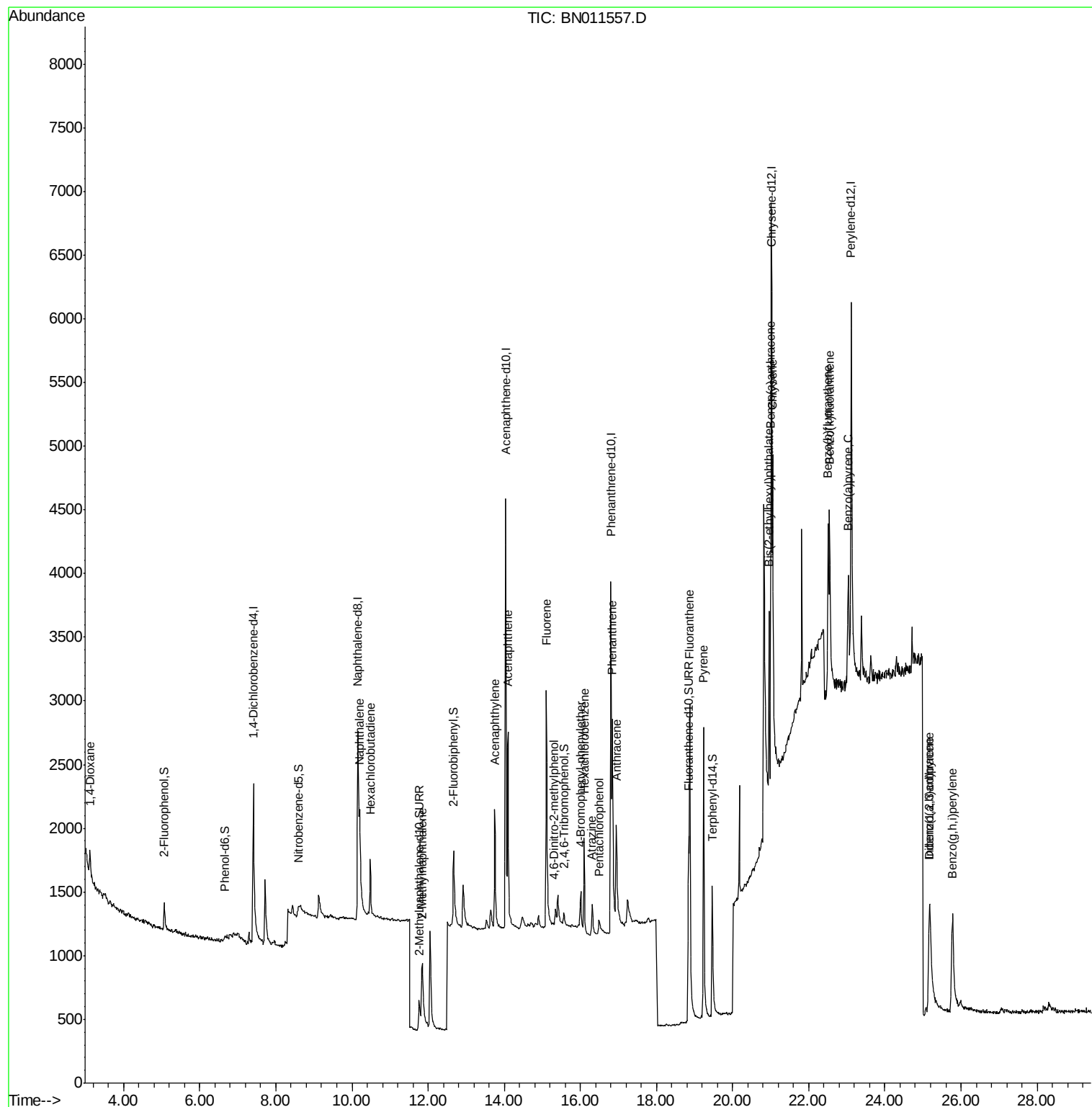
|                                |       |     |      |        |    |       |
|--------------------------------|-------|-----|------|--------|----|-------|
| Target Compounds               |       |     |      | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.12  | 88  | 269  | 0.183  | ng | # 100 |
| 9) Naphthalene                 | 10.20 | 128 | 1274 | 0.112  | ng | # 83  |
| 10) Hexachlorobutadiene        | 10.48 | 225 | 397  | 0.135  | ng | # 97  |
| 12) 2-Methylnaphthalene        | 11.84 | 142 | 791  | 0.097  | ng | # 94  |
| 16) Acenaphthylene             | 13.75 | 152 | 1448 | 0.110  | ng | 99    |
| 17) Acenaphthene               | 14.10 | 154 | 1000 | 0.118  | ng | 99    |
| 18) Fluorene                   | 15.11 | 166 | 1215 | 0.111  | ng | 96    |
| 20) 4,6-Dinitro-2-methylphenol | 15.31 | 198 | 27   | 0.039  | ng | # 69  |
| 21) 4-Bromophenyl-phenylether  | 16.02 | 248 | 399  | 0.084  | ng | # 93  |
| 22) Hexachlorobenzene          | 16.10 | 284 | 580  | 0.136  | ng | 100   |
| 23) Atrazine                   | 16.31 | 200 | 346  | 0.124  | ng | # 86  |
| 24) Pentachlorophenol          | 16.49 | 266 | 139  | 0.106  | ng | 96    |
| 25) Phenanthrene               | 16.83 | 178 | 1967 | 0.108  | ng | 100   |
| 26) Anthracene                 | 16.94 | 178 | 1456 | 0.094  | ng | 99    |
| 28) Fluoranthene               | 18.87 | 202 | 2963 | 0.137  | ng | 100   |
| 30) Pyrene                     | 19.24 | 202 | 2983 | 0.163  | ng | 99    |
| 32) Benzo(a)anthracene         | 21.00 | 228 | 1939 | 0.114  | ng | 95    |
| 33) Chrysene                   | 21.06 | 228 | 2357 | 0.122  | ng | 97    |
| 34) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 1362 | 0.226  | ng | 93    |
| 35) Indeno(1,2,3-cd)pyrene     | 25.16 | 276 | 1910 | 0.081  | ng | # 79  |
| 37) Benzo(b)fluoranthene       | 22.50 | 252 | 1862 | 0.093  | ng | # 65  |
| 38) Benzo(k)fluoranthene       | 22.55 | 252 | 2330 | 0.112  | ng | # 66  |
| 39) Benzo(a)pyrene             | 23.03 | 252 | 1834 | 0.105  | ng | # 56  |
| 40) Dibenzo(a,h)anthracene     | 25.18 | 278 | 1347 | 0.069  | ng | # 49  |
| 41) Benzo(g,h,i)perylene       | 25.77 | 276 | 964  | 0.047  | ng | # 83  |

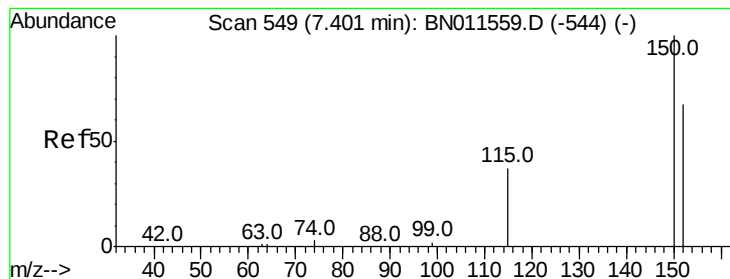
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
SSTDICC0.1

Quant Time: Aug 21 18:42:33 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 21 18:41:03 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.41 min Scan# 550

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

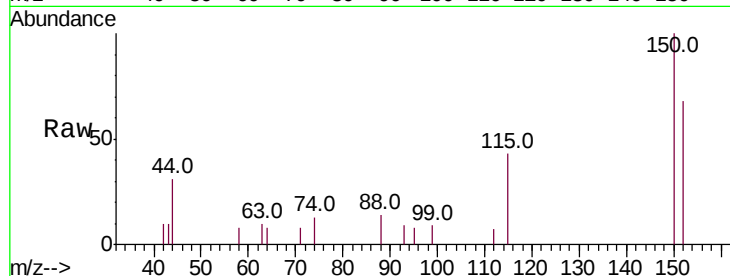
Tot Ion:152 Resp: 1131

Ion Ratio Lower Upper

152 100

150 146.2 117.1 175.7

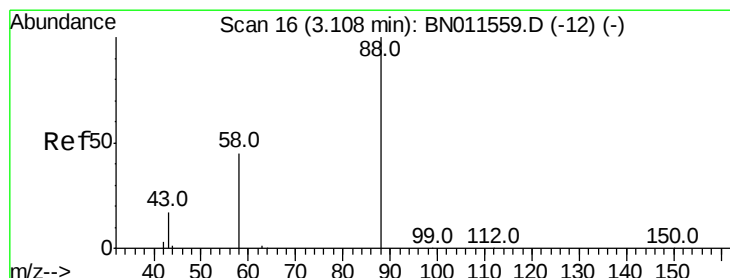
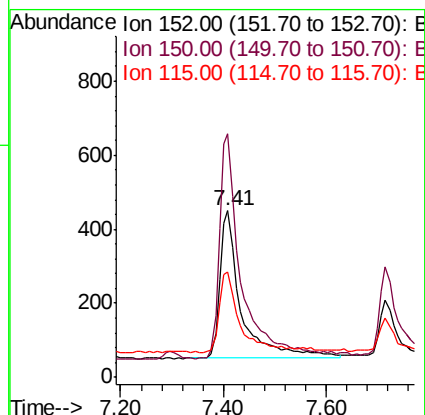
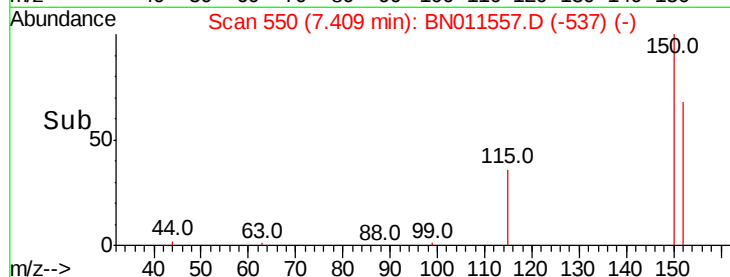
115 62.9 48.7 73.1



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: 0.183 ng

RT: 3.12 min Scan# 17

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

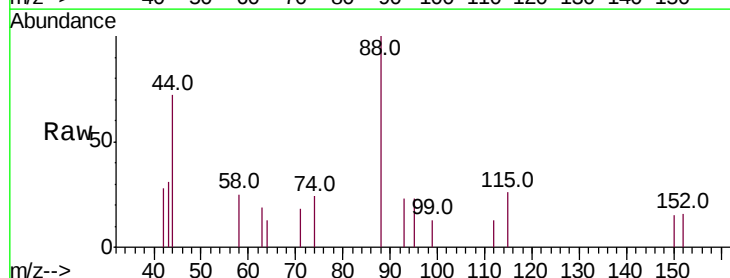
Tgt Ion: 88 Resp: 269

Ion Ratio Lower Upper

88 100

58 33.1 0.0 0.0#

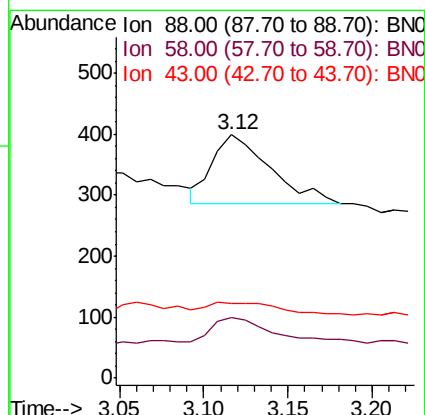
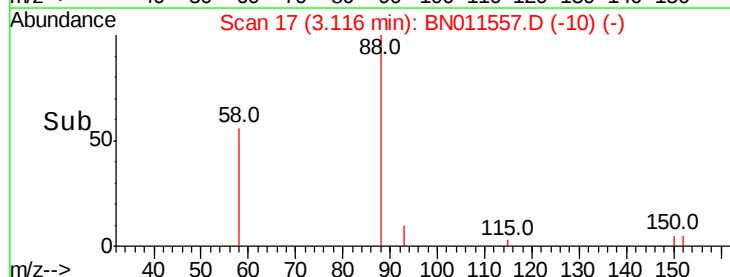
43 19.7 0.0 0.0#

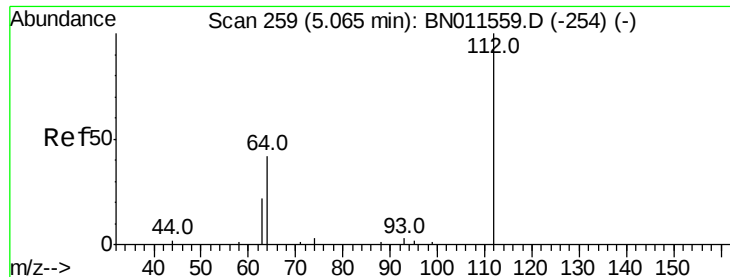


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.109 ng

RT: 5.07 min Scan# 259

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

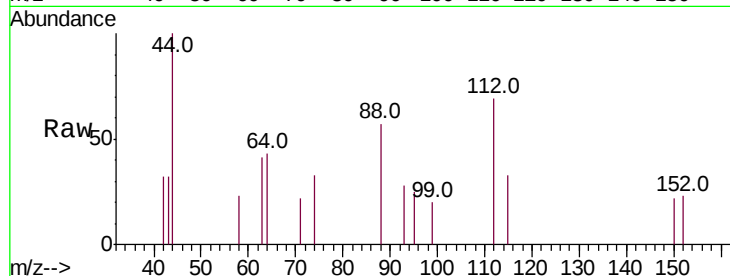
Tot Ion:112 Resp: 288

Ion Ratio Lower Upper

112 100

64 36.8 33.9 50.9

63 27.8 17.7 26.5#

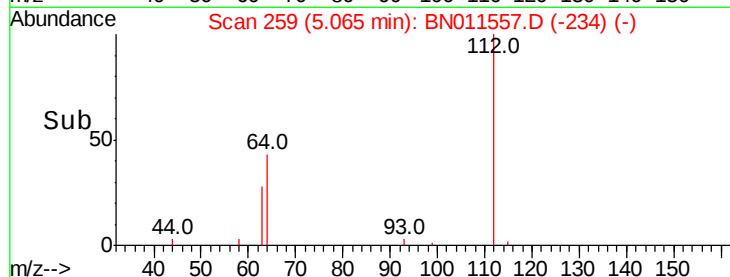


Abundance Ion 112.00 (111.70 to 112.70): B

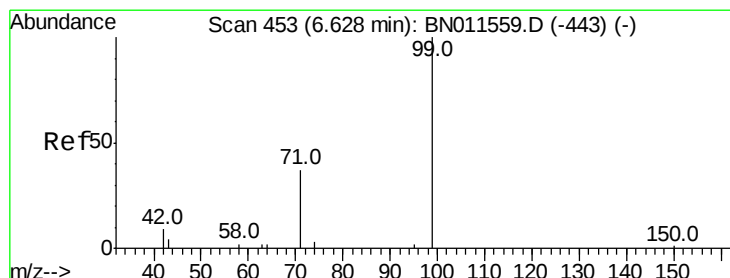
Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B

Time-->



Time-->



#5

Phenol-d6

Concen: 0.023 ng

RT: 6.66 min Scan# 457

Delta R.T. 0.03 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

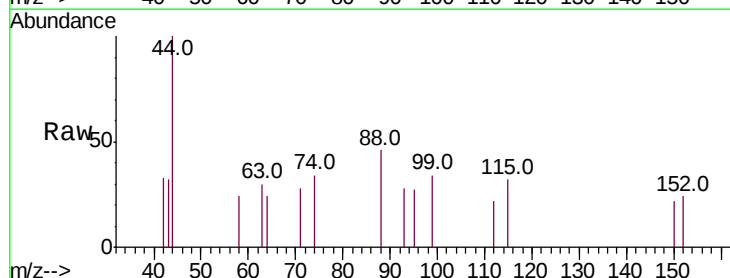
Tgt Ion: 99 Resp: 70

Ion Ratio Lower Upper

99 100

42 0.0 9.0 13.4#

71 0.0 30.4 45.6#

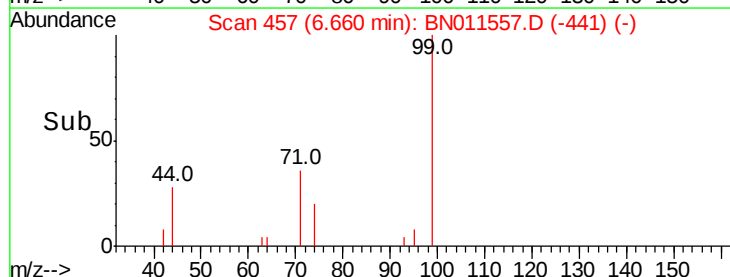


Abundance Ion 99.00 (98.70 to 99.70): B

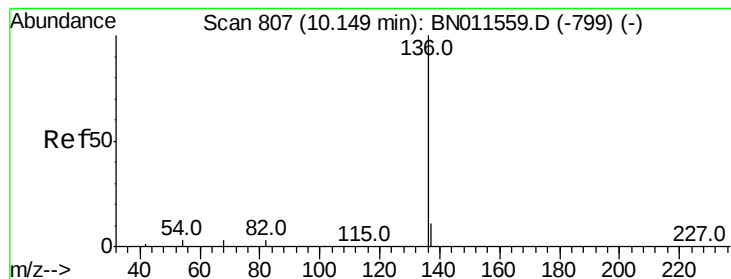
Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 807

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

Tot Ion:136 Resp: 3908

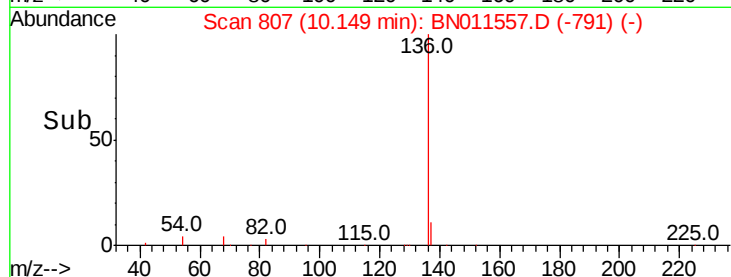
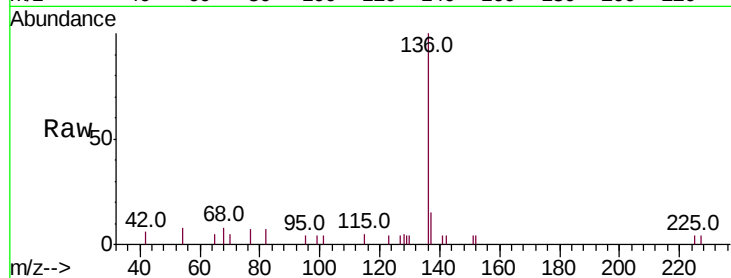
Ion Ratio Lower Upper

136 100

137 14.9 11.0 16.4

54 7.6 4.3 6.5#

68 8.3 4.9 7.3#

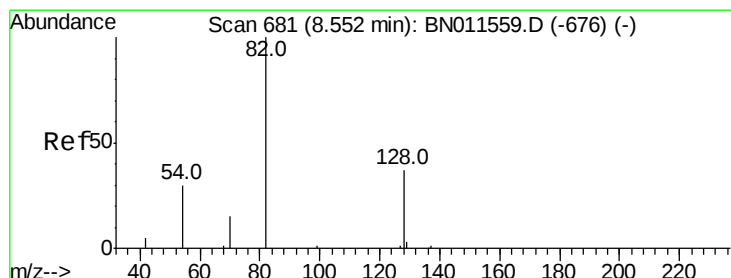
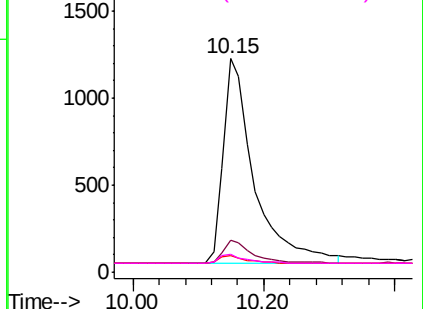


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.060 ng

RT: 8.59 min Scan# 684

Delta R.T. 0.04 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

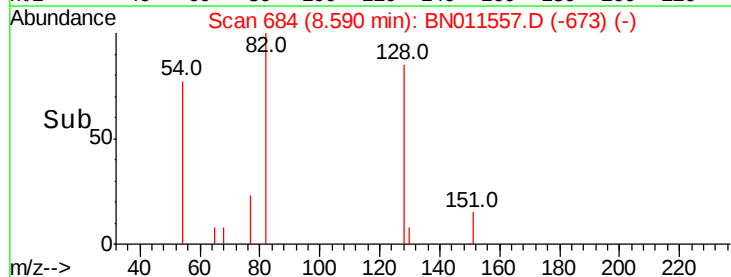
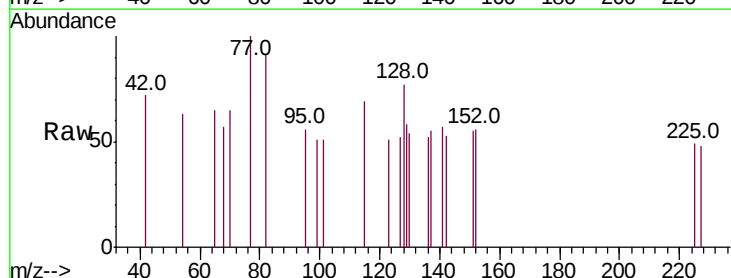
Tgt Ion: 82 Resp: 191

Ion Ratio Lower Upper

82 100

128 84.9 41.7 62.5#

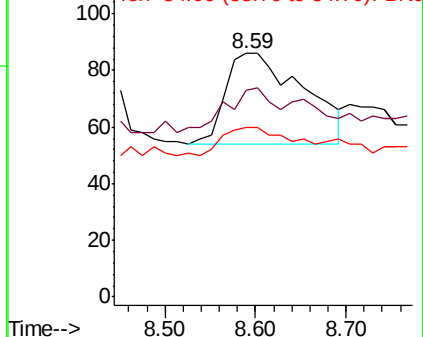
54 69.8 34.4 51.6#

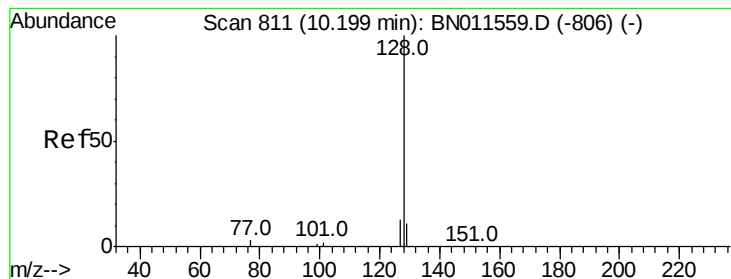


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.112 ng

RT: 10.20 min Scan# 811

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

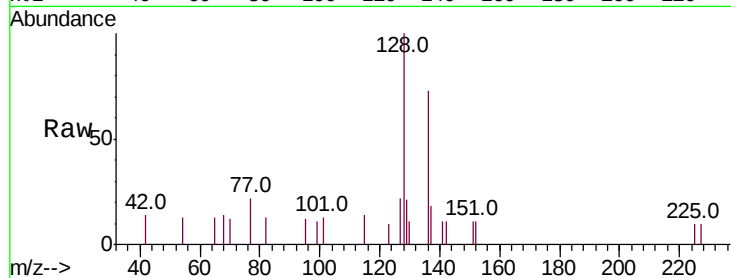
Tot Ion:128 Resp: 1274

Ion Ratio Lower Upper

128 100

129 21.4 10.8 16.2#

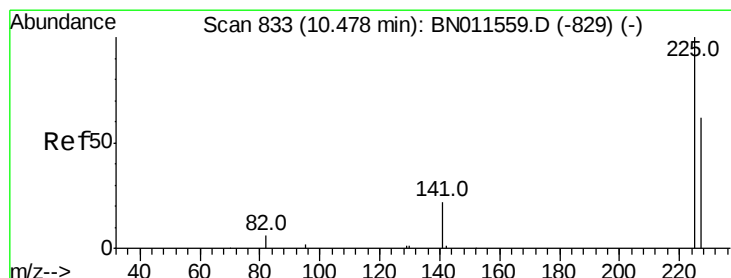
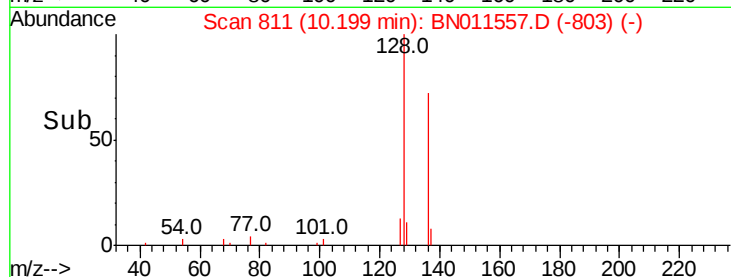
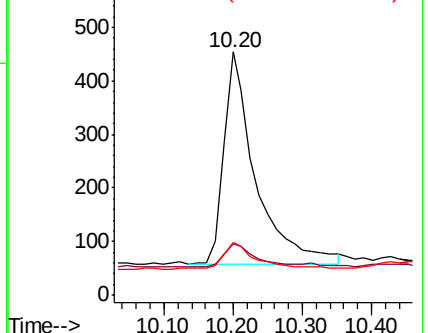
127 21.6 12.3 18.5#



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: 0.135 ng

RT: 10.48 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

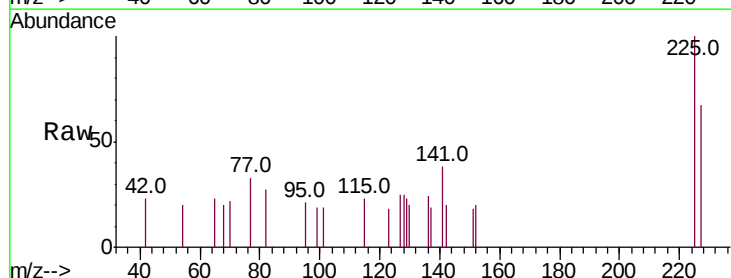
Tgt Ion:225 Resp: 397

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

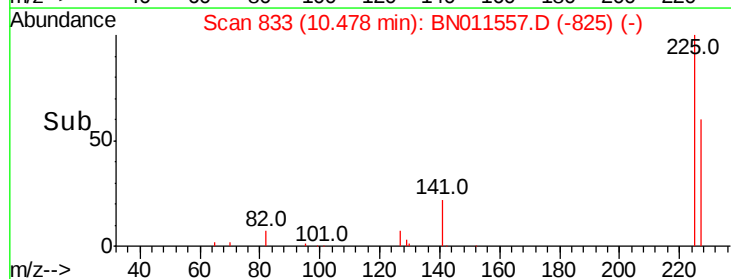
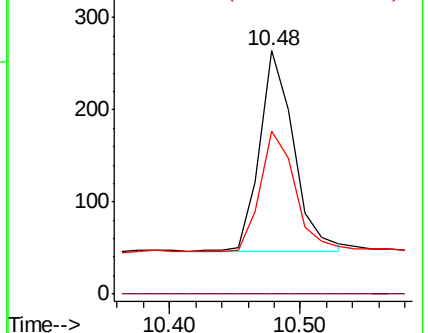
227 61.7 51.3 76.9

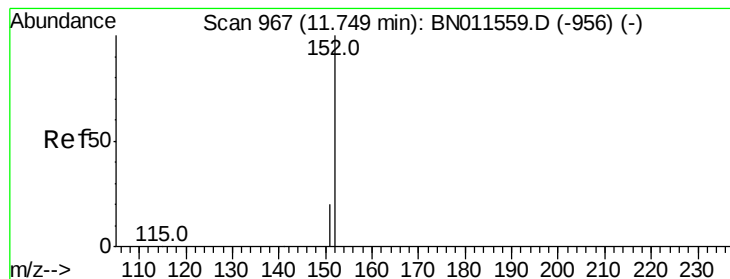


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

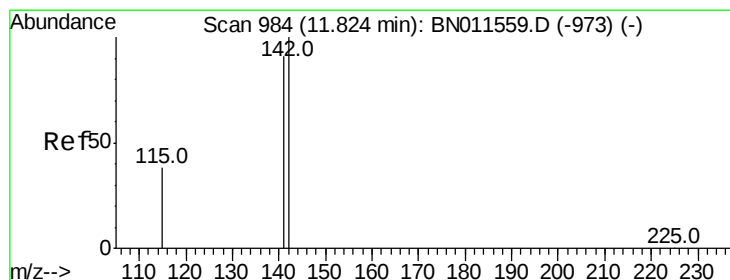
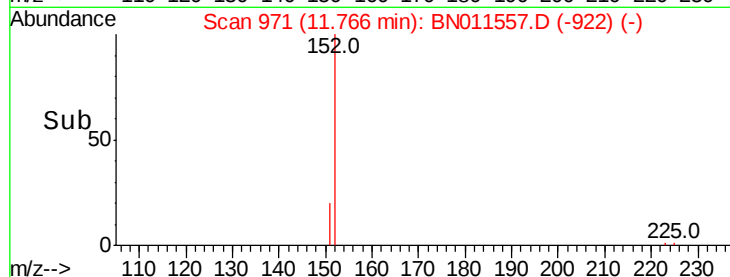
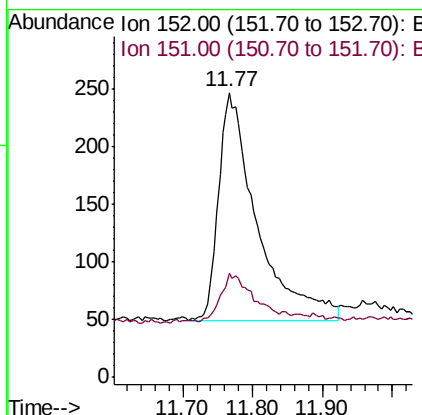
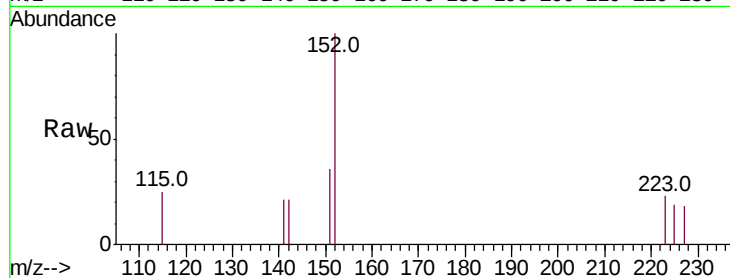




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.105 ng  
 RT: 11.77 min Scan# 971  
 Delta R.T. 0.02 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

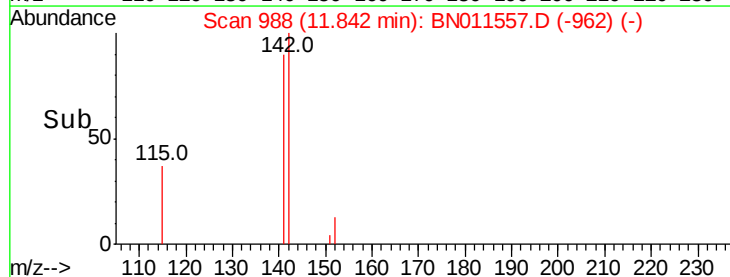
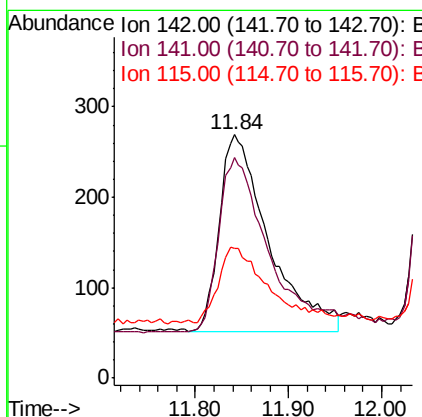
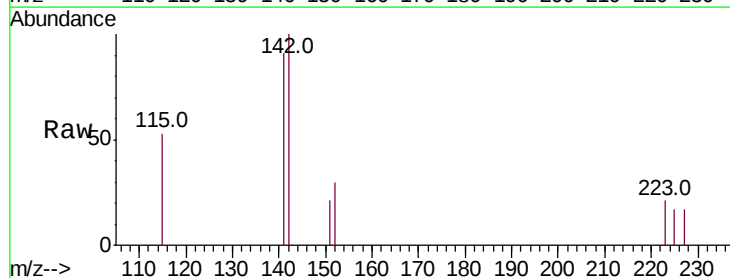
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

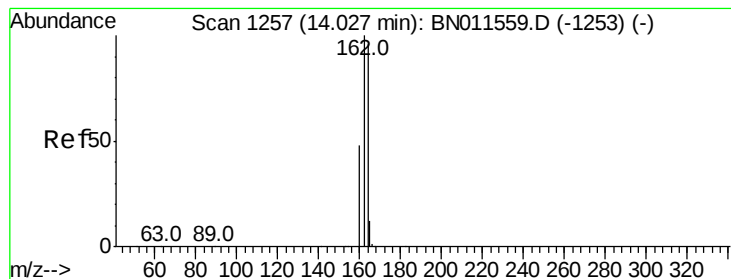
Tot Ion:152 Resp: 757  
 Ion Ratio Lower Upper  
 152 100  
 151 17.7 16.6 24.8



#12  
 2-Methylnaphthalene  
 Concen: 0.097 ng  
 RT: 11.84 min Scan# 988  
 Delta R.T. 0.02 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

Tgt Ion:142 Resp: 791  
 Ion Ratio Lower Upper  
 142 100  
 141 90.7 73.0 109.6  
 115 53.2 33.4 50.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

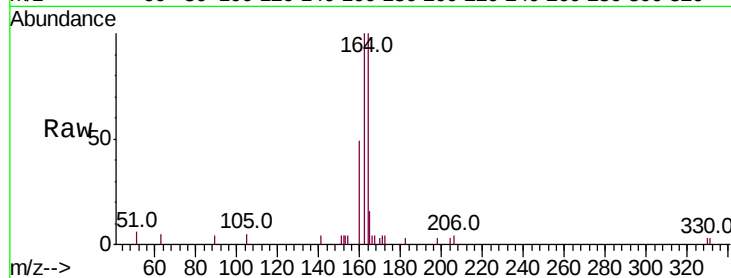
Tot Ion:164 Resp: 2620

Ion Ratio Lower Upper

164 100

162 100.3 83.7 125.5

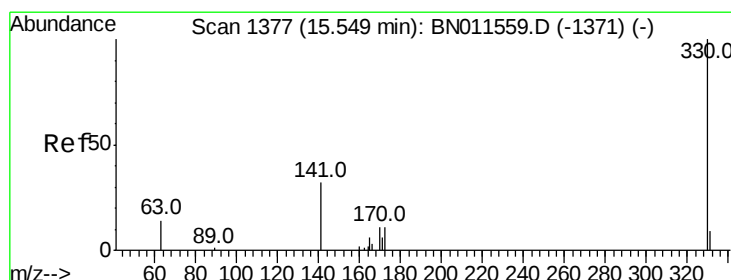
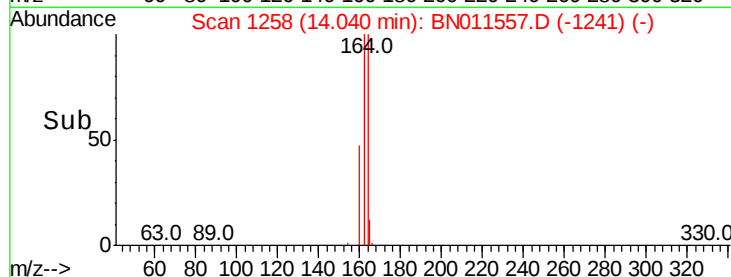
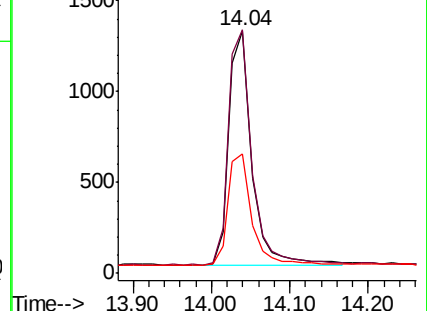
160 49.2 41.1 61.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.112 ng

RT: 15.56 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

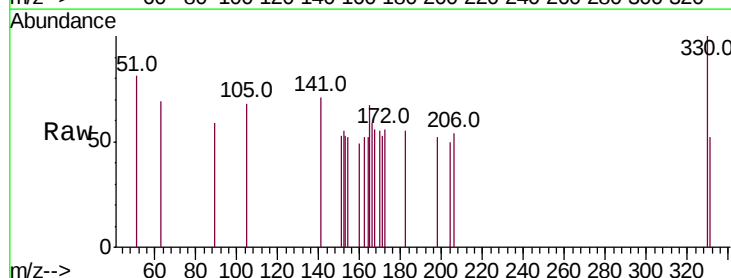
Tgt Ion:330 Resp: 132

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

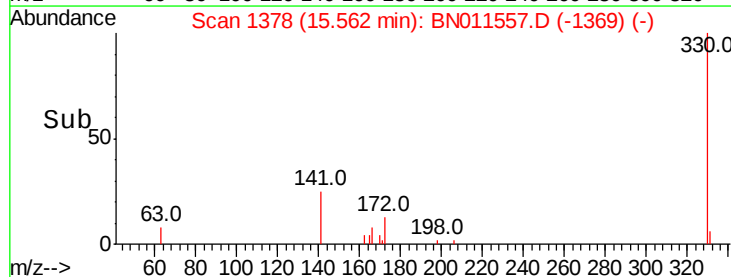
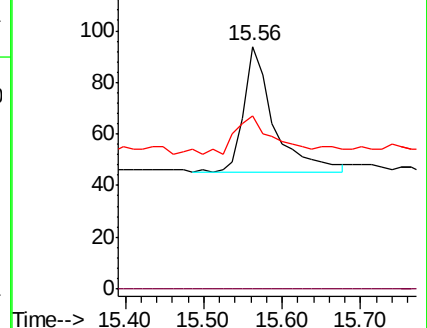
141 37.9 34.6 52.0

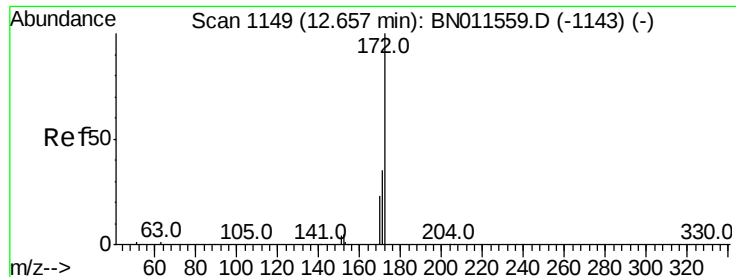


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

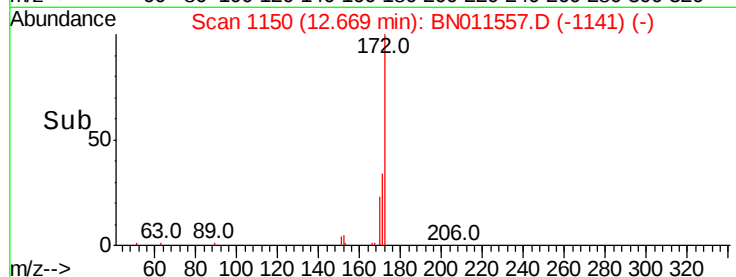
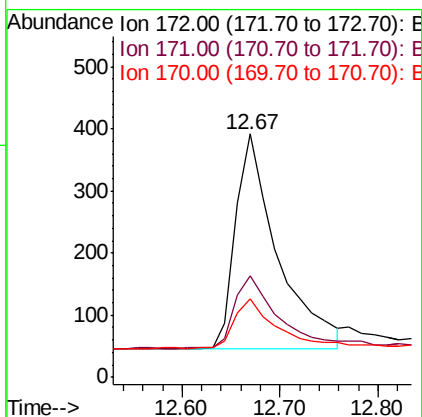
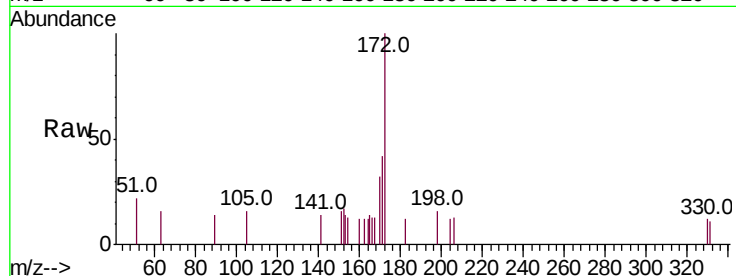




#15  
2-Fluorobiphenyl  
Concen: 0.089 ng  
RT: 12.67 min Scan# 1150  
Delta R.T. 0.01 min  
Lab File: BN011557.D  
Acq: 21 Aug 2020 16:24

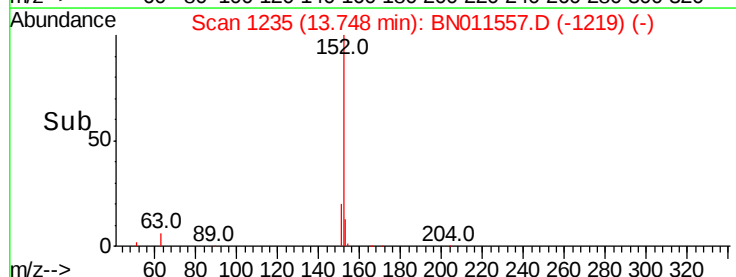
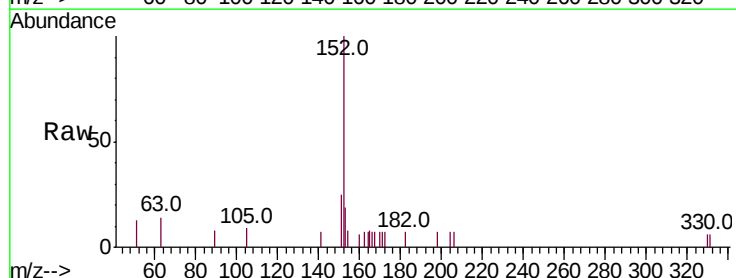
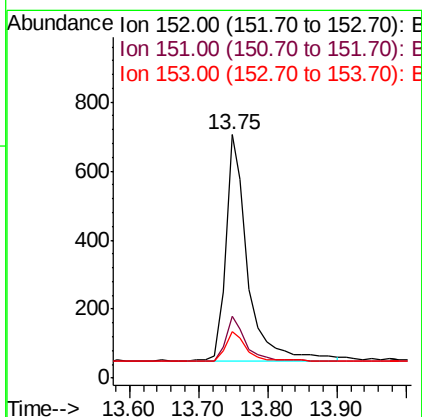
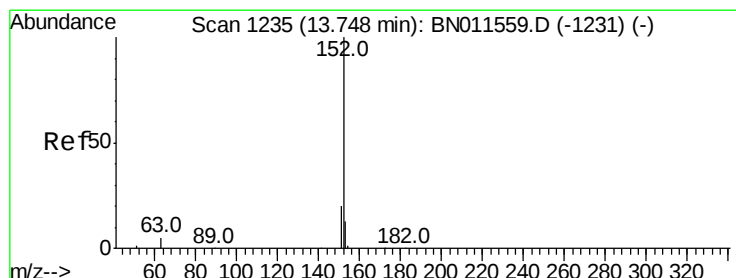
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDIC0.1

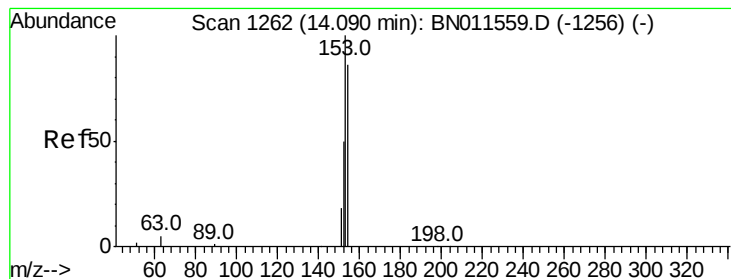
Tot Ion:172 Resp: 1027  
Ion Ratio Lower Upper  
172 100  
171 41.8 29.4 44.0  
170 32.4 20.1 30.1#



#16  
Acenaphthylene  
Concen: 0.110 ng  
RT: 13.75 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: BN011557.D  
Acq: 21 Aug 2020 16:24

Tgt Ion:152 Resp: 1448  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.8 23.8  
153 13.5 10.6 16.0





#17

Acenaphthene

Concen: 0.118 ng

RT: 14.10 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

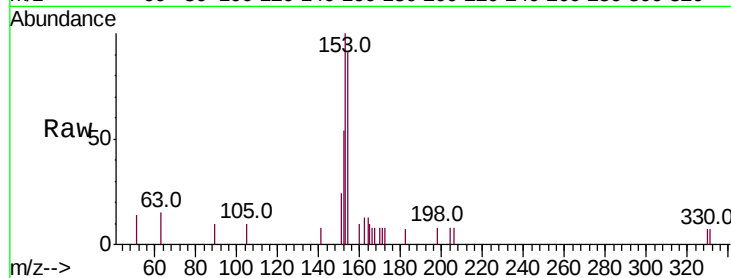
Tot Ion:154 Resp: 1000

Ion Ratio Lower Upper

154 100

153 114.5 91.8 137.8

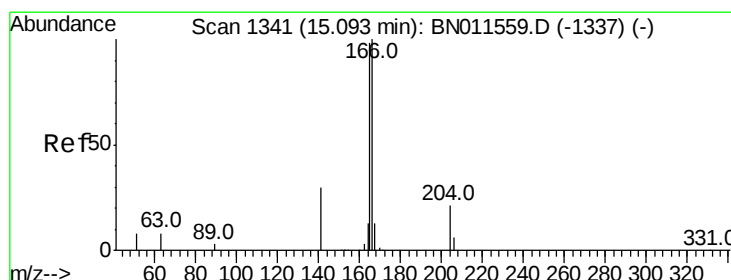
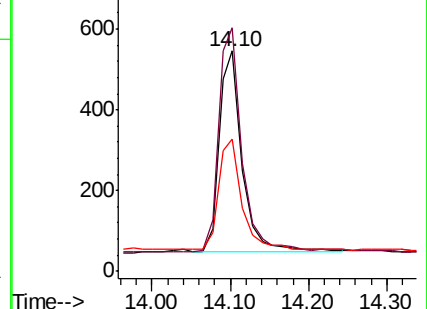
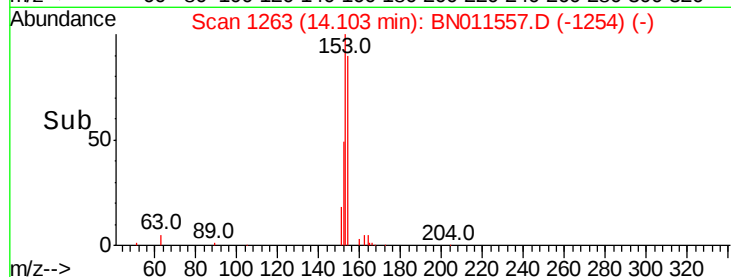
152 56.1 46.3 69.5



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: 0.111 ng

RT: 15.11 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

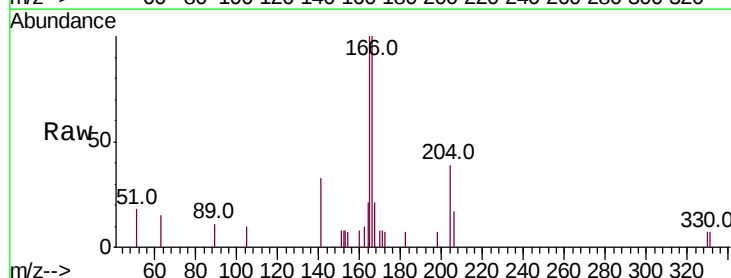
Tgt Ion:166 Resp: 1215

Ion Ratio Lower Upper

166 100

165 102.0 78.2 117.2

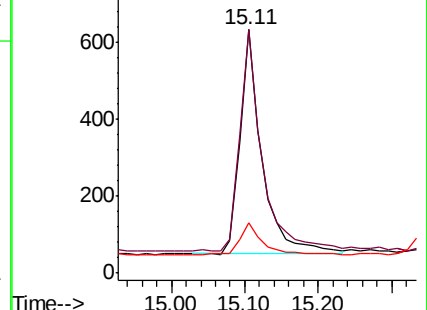
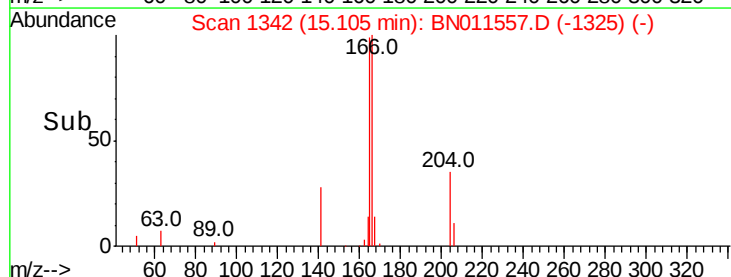
167 14.3 10.7 16.1

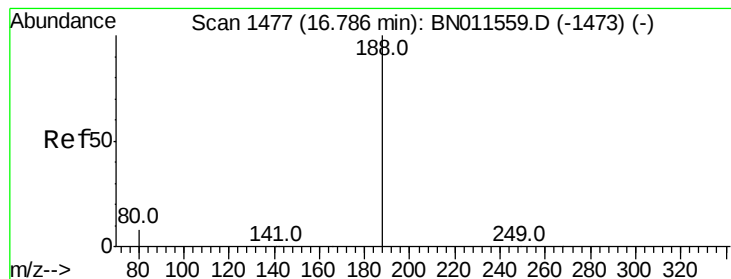


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1478

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

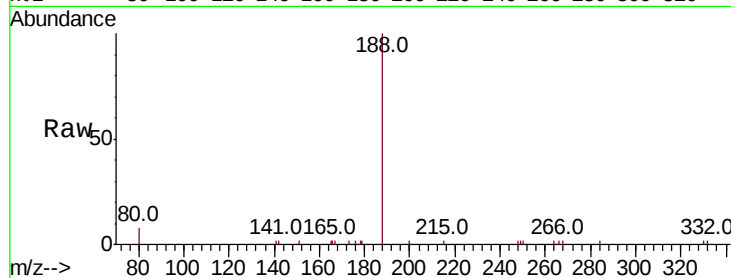
Tot Ion:188 Resp: 5722

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

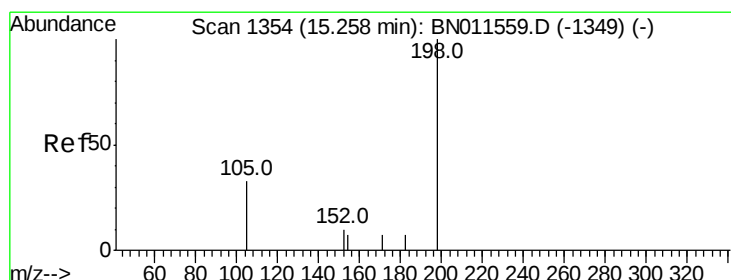
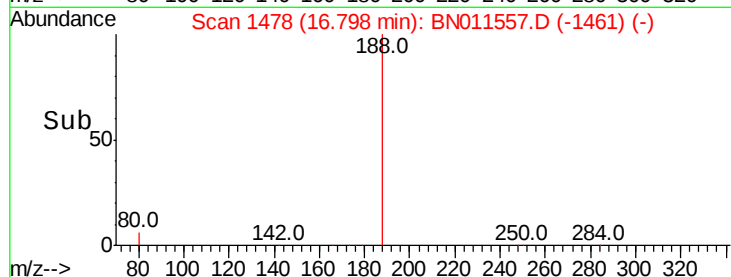
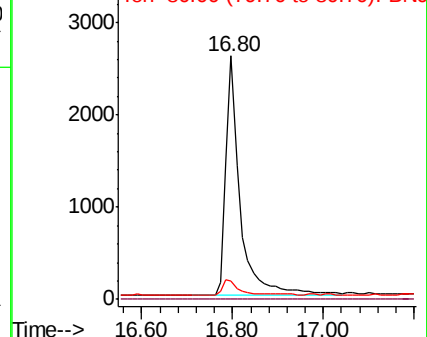
80 7.7 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4,6-Dinitro-2-methylphenol

Concen: 0.039 ng

RT: 15.31 min Scan# 1358

Delta R.T. 0.05 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

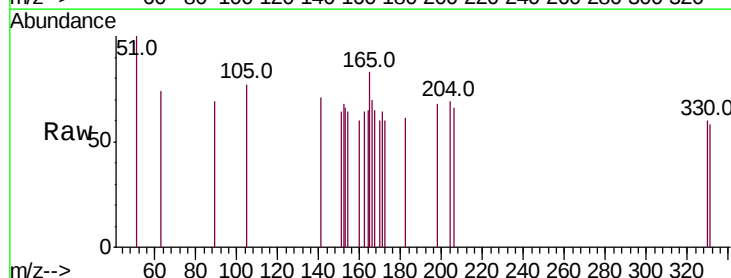
Tgt Ion:198 Resp: 27

Ion Ratio Lower Upper

198 100

51 148.1 89.4 134.2#

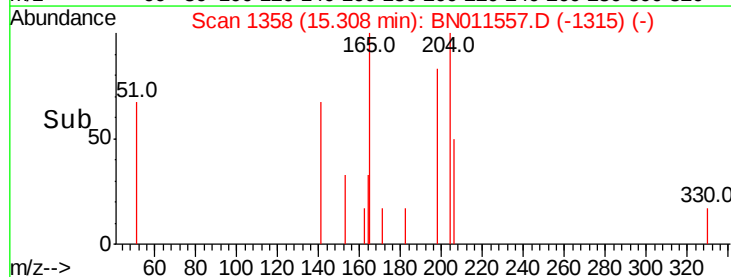
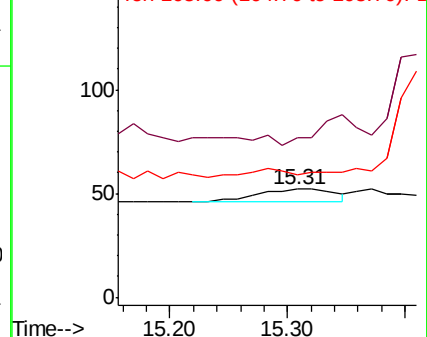
105 113.5 70.6 105.8#

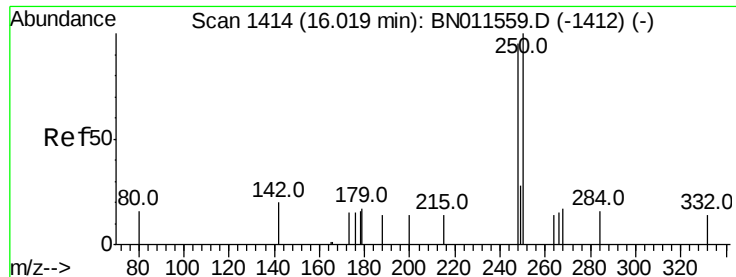


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E

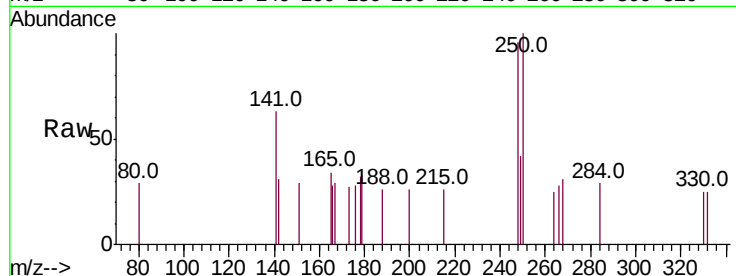




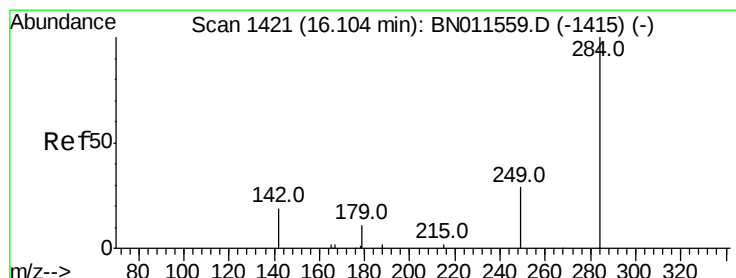
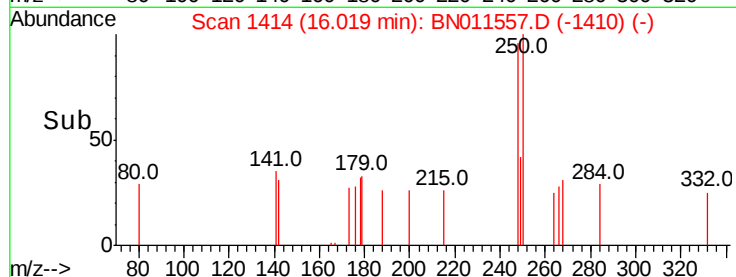
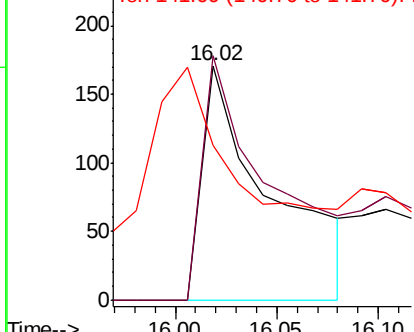
#21  
4-Bromophenyl-phenylether  
Concen: 0.084 ng  
RT: 16.02 min Scan# 1414  
Delta R.T. -0.00 min  
Lab File: BN011557.D  
Acq: 21 Aug 2020 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDIC0.1

Tot Ion:248 Resp: 399  
Ion Ratio Lower Upper  
248 100  
250 104.1 83.8 125.8  
141 66.1 41.0 61.6#

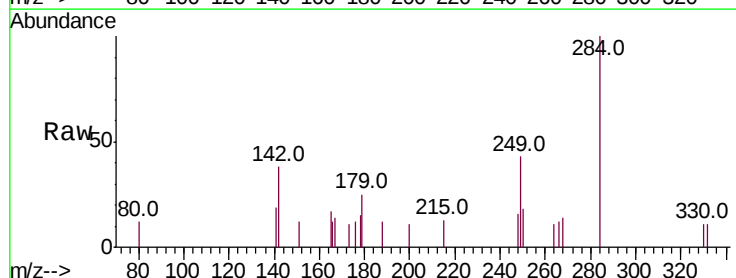


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

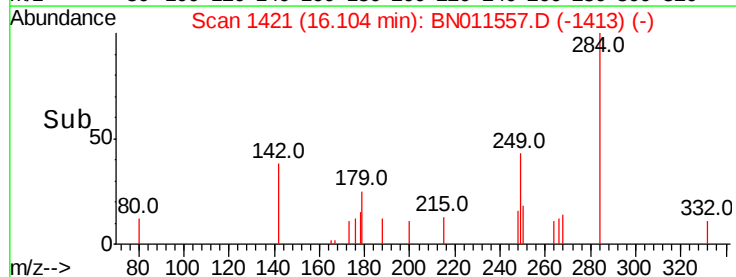
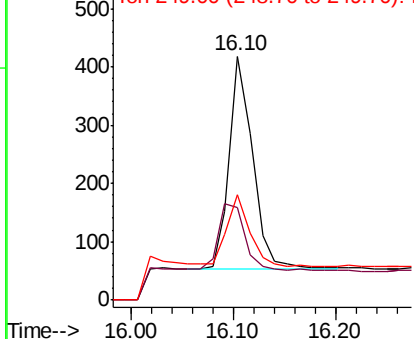


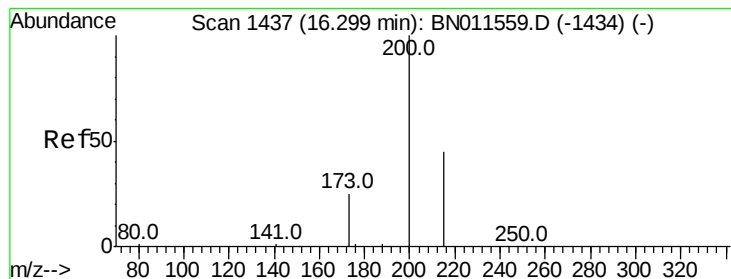
#22  
Hexachlorobenzene  
Concen: 0.136 ng  
RT: 16.10 min Scan# 1421  
Delta R.T. -0.00 min  
Lab File: BN011557.D  
Acq: 21 Aug 2020 16:24

Tgt Ion:284 Resp: 580  
Ion Ratio Lower Upper  
284 100  
142 36.9 29.7 44.5  
249 33.3 26.8 40.2



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: 0.124 ng

RT: 16.31 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

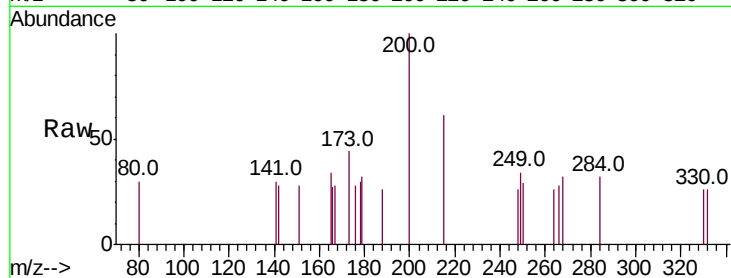
Tot Ion:200 Resp: 346

Ion Ratio Lower Upper

200 100

173 43.6 27.7 41.5#

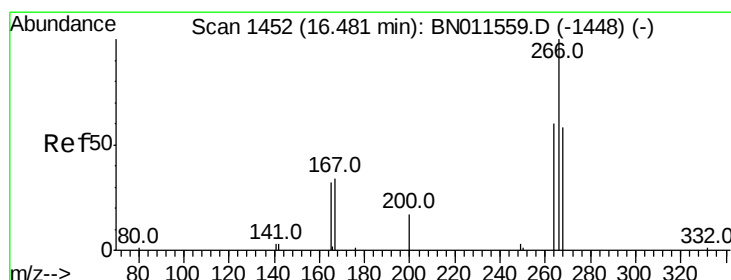
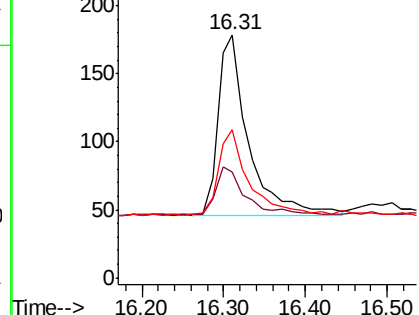
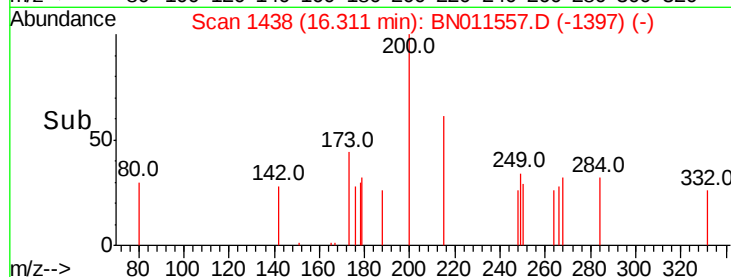
215 60.9 41.5 62.3



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: 0.106 ng

RT: 16.49 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

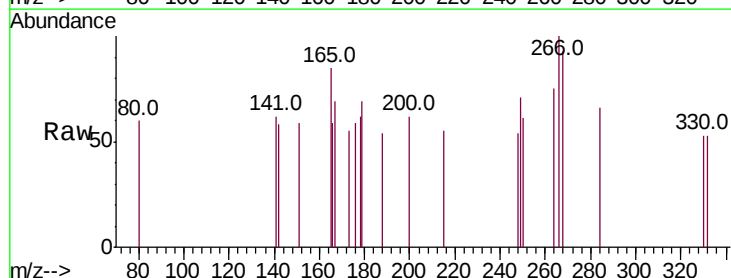
Tgt Ion:266 Resp: 139

Ion Ratio Lower Upper

266 100

264 61.2 48.7 73.1

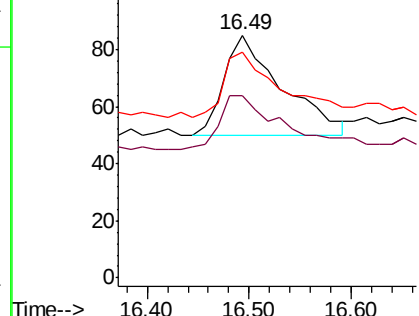
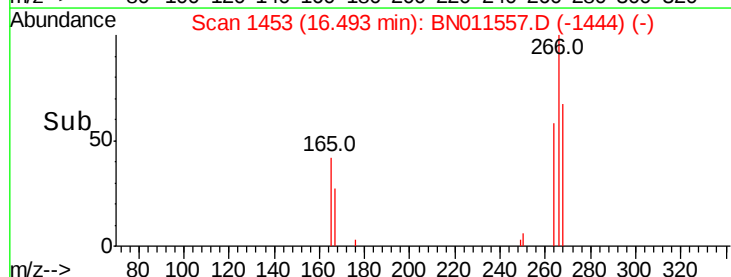
268 69.1 51.0 76.6

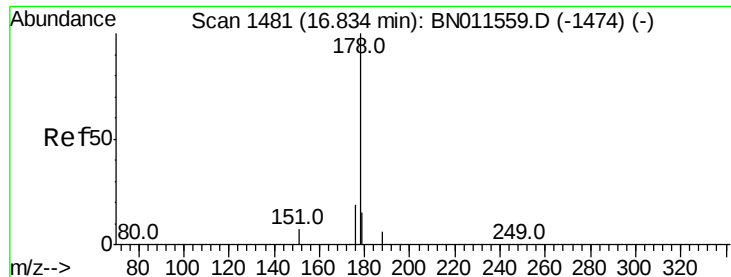


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.108 ng

RT: 16.83 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

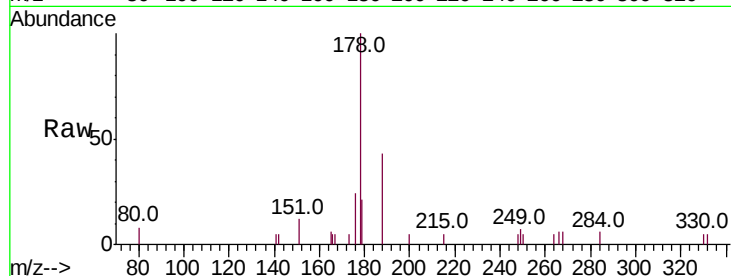
Tot Ion:178 Resp: 1967

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

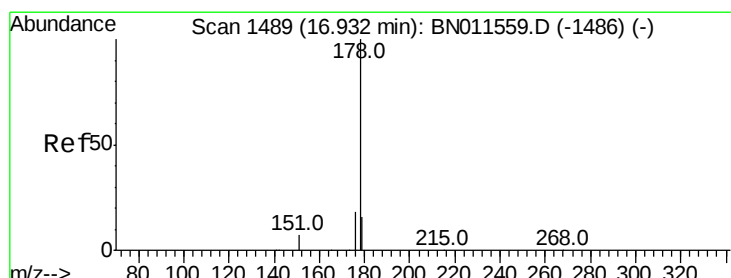
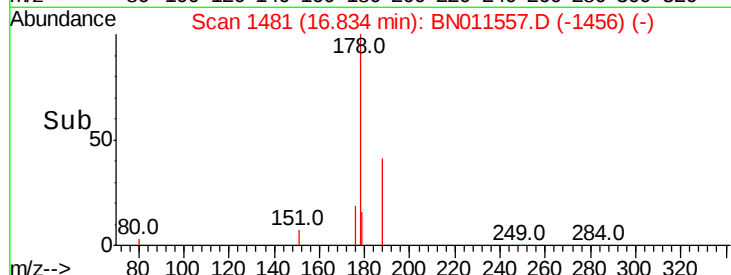
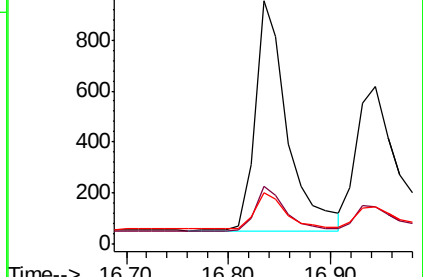
179 15.5 12.3 18.5



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: 0.094 ng

RT: 16.94 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

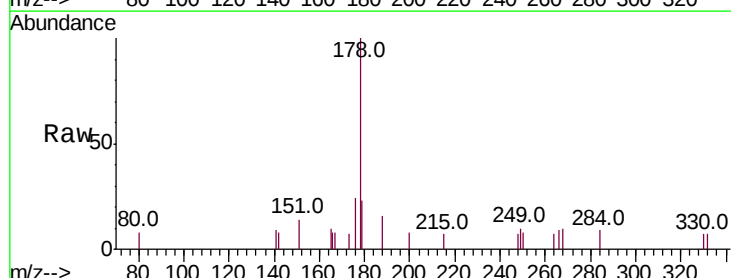
Tgt Ion:178 Resp: 1456

Ion Ratio Lower Upper

178 100

176 19.0 14.4 21.6

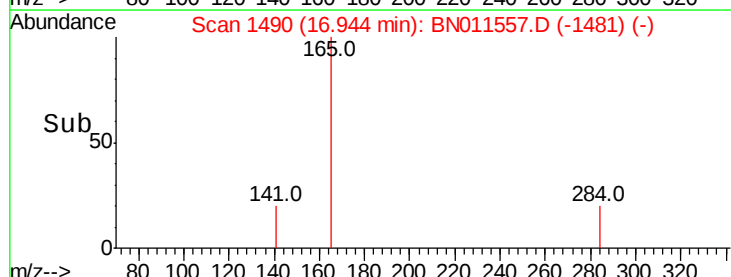
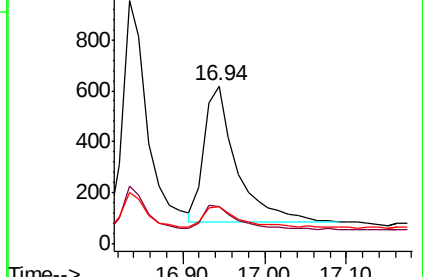
179 16.1 12.9 19.3

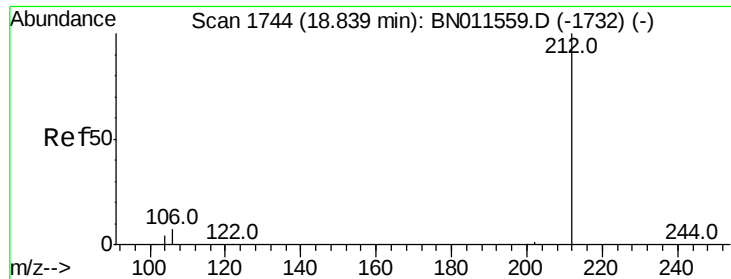


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

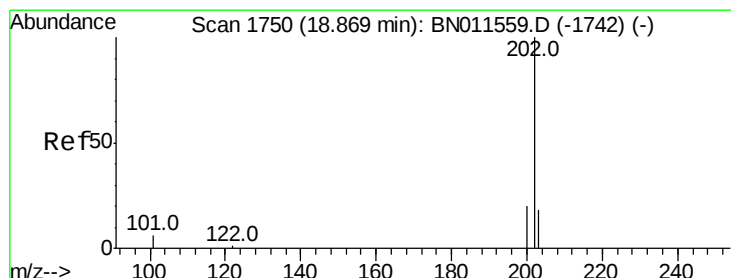
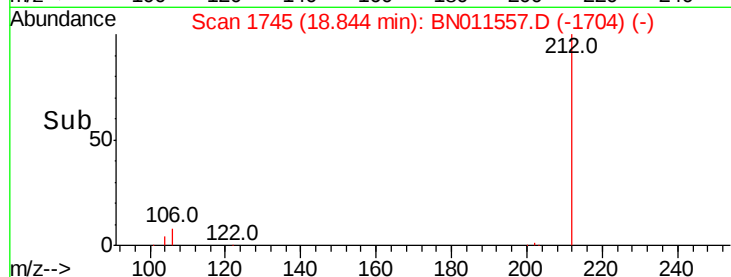
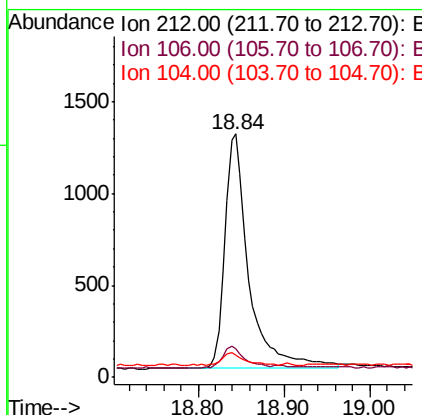
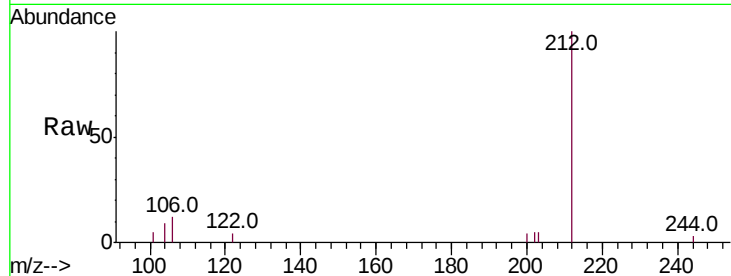




#27  
 Fluoranthene-d10  
 Concen: 0.142 ng  
 RT: 18.84 min Scan# 1745  
 Delta R.T. 0.00 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

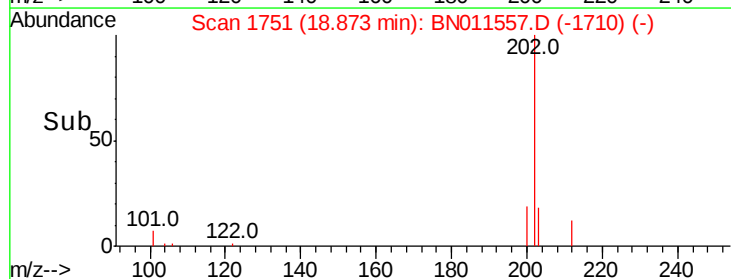
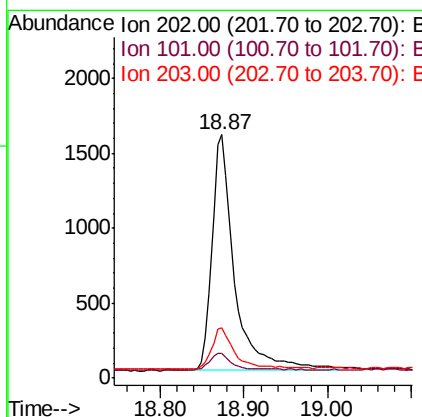
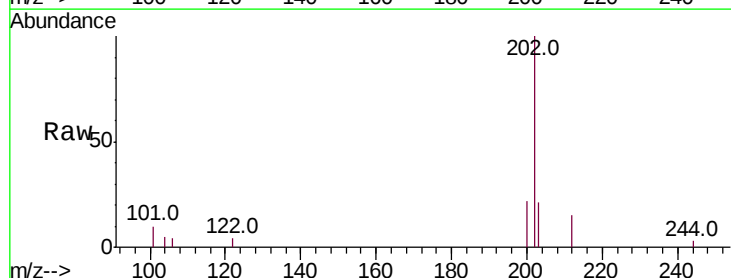
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

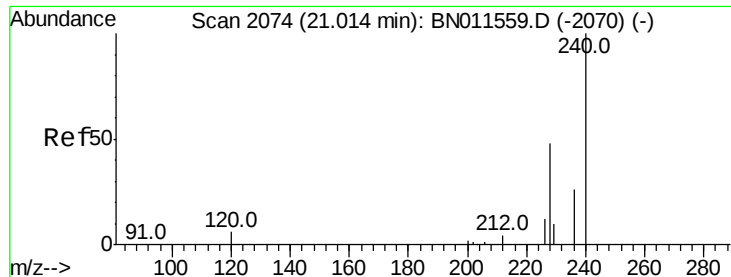
Tot Ion:212 Resp: 2481  
 Ion Ratio Lower Upper  
 212 100  
 106 8.3 6.2 9.2  
 104 5.2 3.8 5.6



#28  
 Fluoranthene  
 Concen: 0.137 ng  
 RT: 18.87 min Scan# 1751  
 Delta R.T. 0.00 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

Tgt Ion:202 Resp: 2963  
 Ion Ratio Lower Upper  
 202 100  
 101 6.5 5.2 7.8  
 203 16.9 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

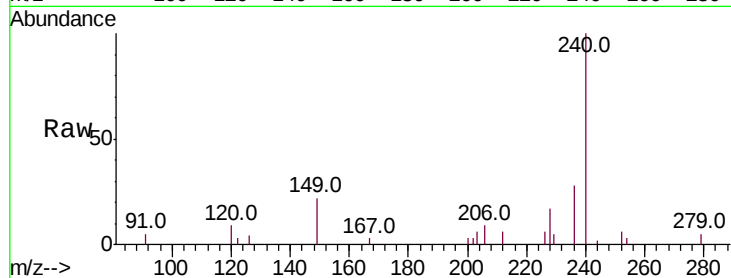
Tot Ion:240 Resp: 5550

Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

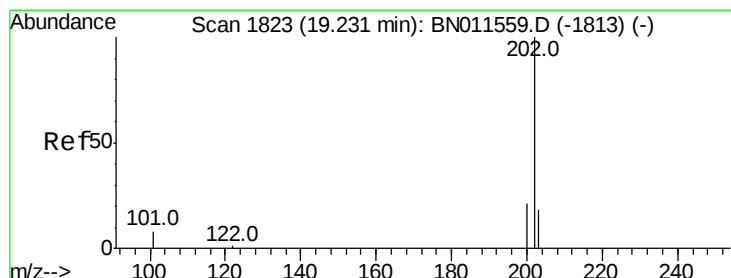
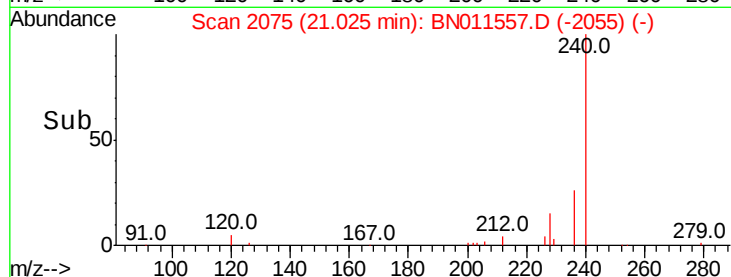
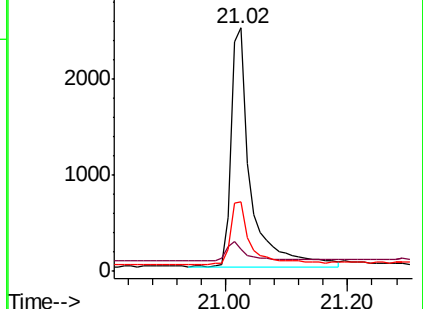
236 28.4 22.3 33.5



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: 0.163 ng

RT: 19.24 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

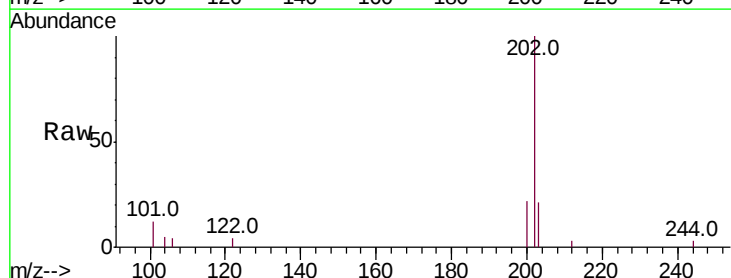
Tgt Ion:202 Resp: 2983

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

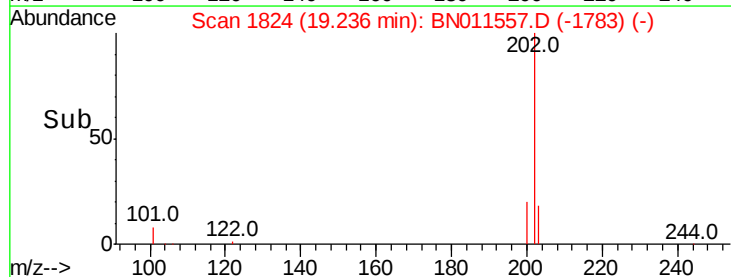
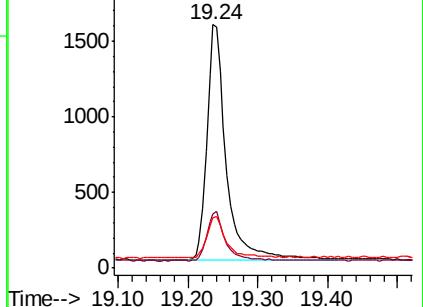
203 17.4 14.2 21.2

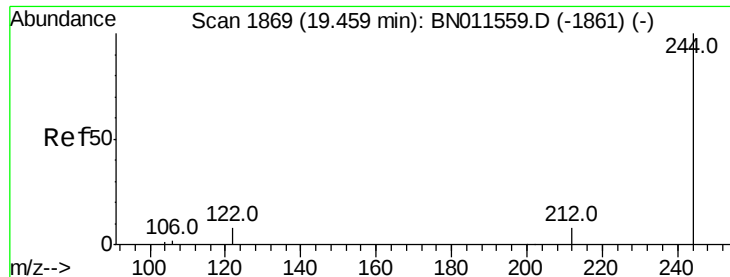


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.148 ng

RT: 19.46 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

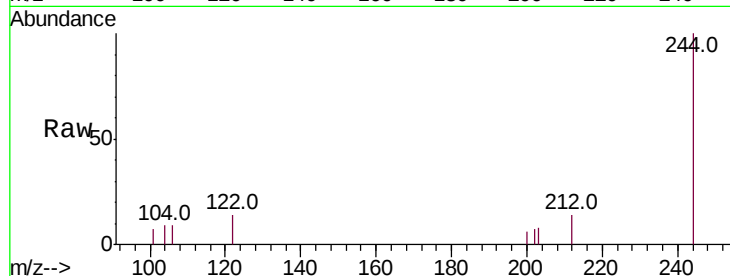
Tot Ion:244 Resp: 1820

Ion Ratio Lower Upper

244 100

212 13.9 8.2 12.4#

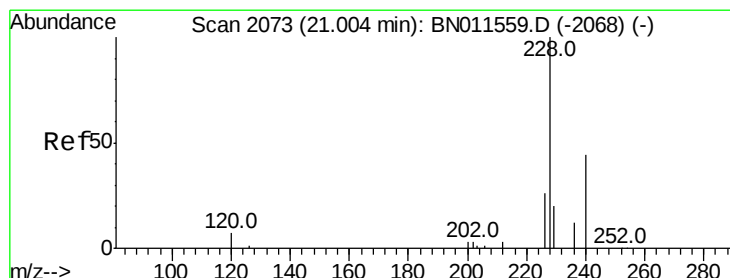
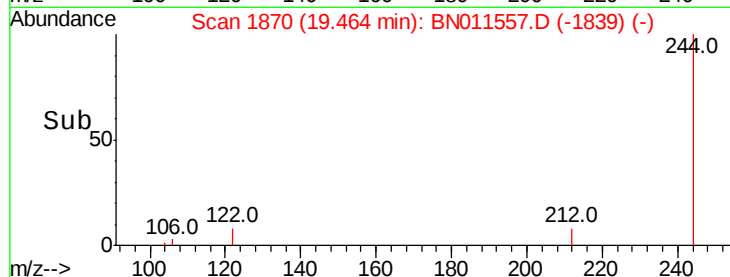
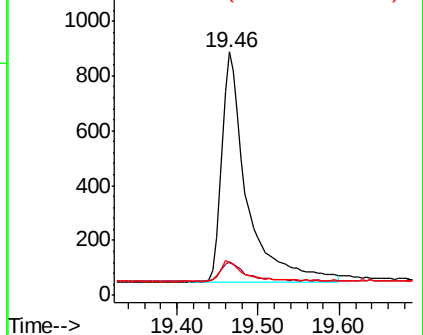
122 13.5 8.0 12.0#



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



#32

Benzo(a)anthracene

Concen: 0.114 ng

RT: 21.00 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

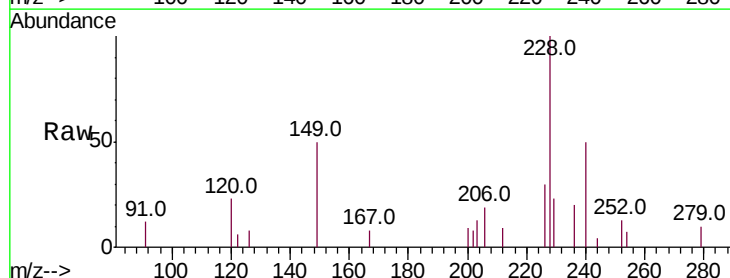
Tgt Ion:228 Resp: 1939

Ion Ratio Lower Upper

228 100

226 30.5 22.2 33.2

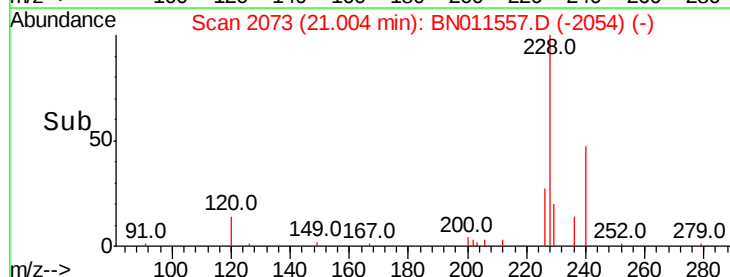
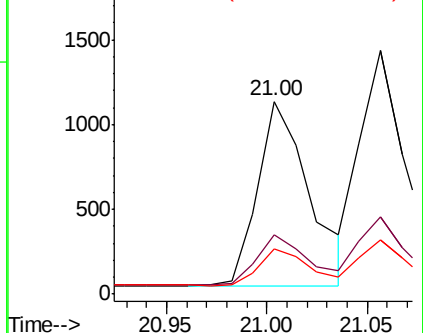
229 23.3 16.9 25.3

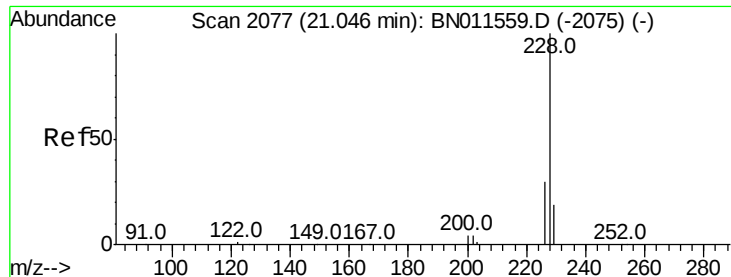


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.122 ng

RT: 21.06 min Scan# 2078

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

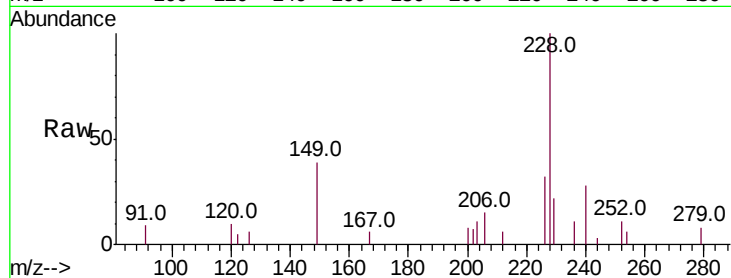
Tot Ion:228 Resp: 2357

Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

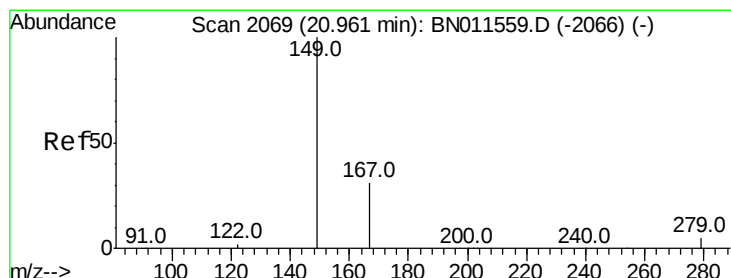
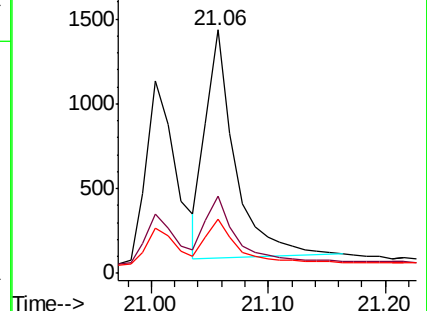
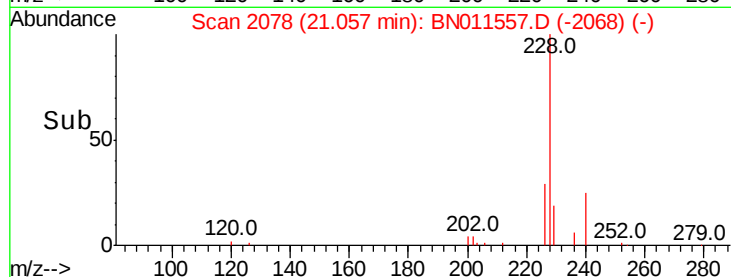
229 22.4 16.2 24.2



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: 0.226 ng

RT: 20.96 min Scan# 2069

Delta R.T. -0.00 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

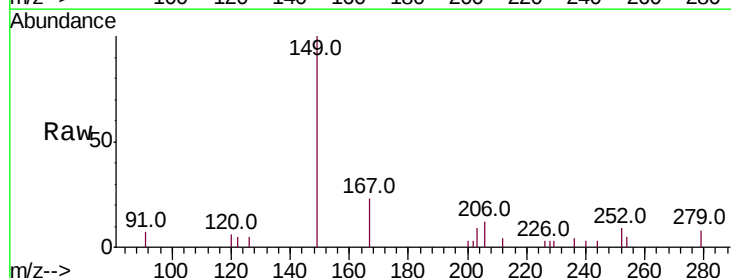
Tgt Ion:149 Resp: 1362

Ion Ratio Lower Upper

149 100

167 24.3 22.8 34.2

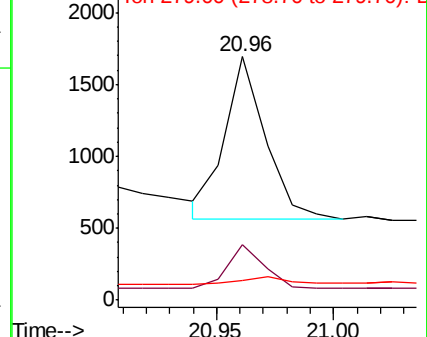
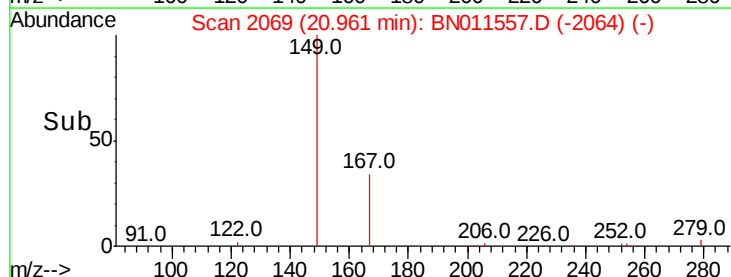
279 4.3 4.2 6.2

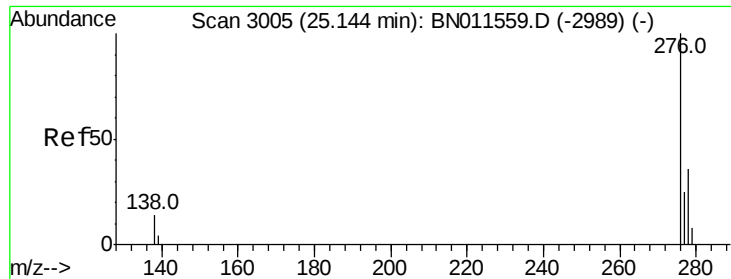


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

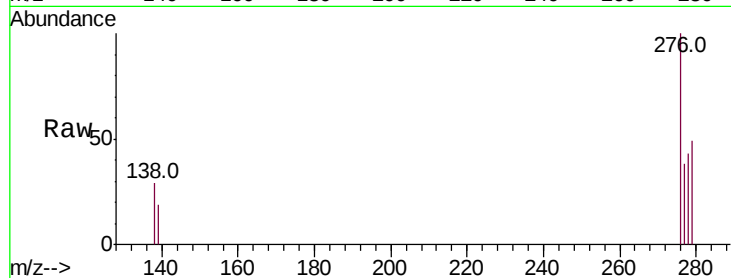




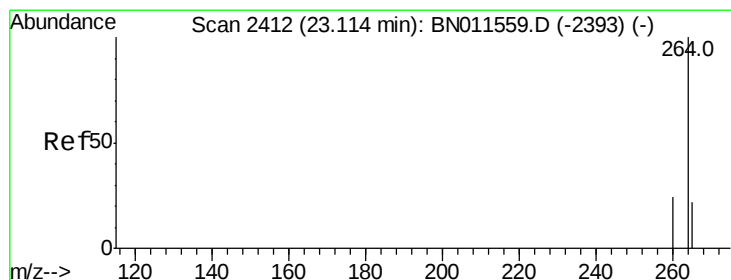
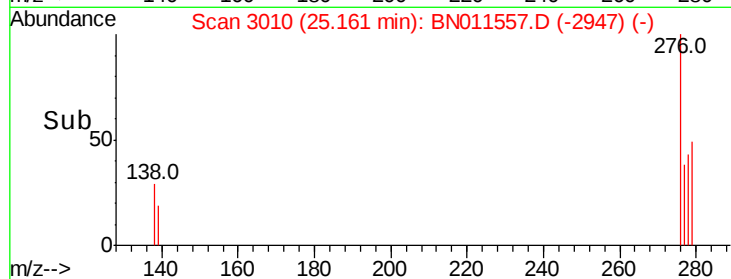
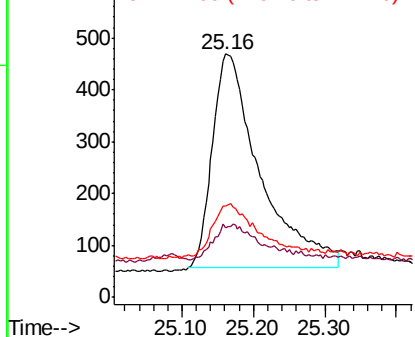
#35  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.081 ng  
 RT: 25.16 min Scan# 3010  
 Delta R.T. 0.02 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

Tot Ion:276 Resp: 1910  
 Ion Ratio Lower Upper  
 276 100  
 138 0.0 11.6 17.4#  
 277 17.3 18.2 27.4#

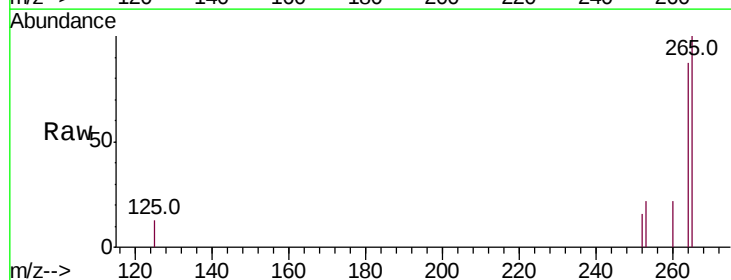


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

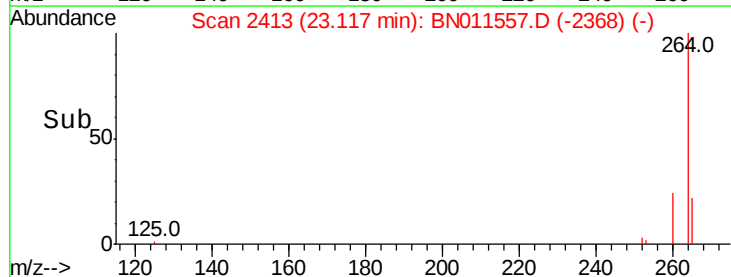
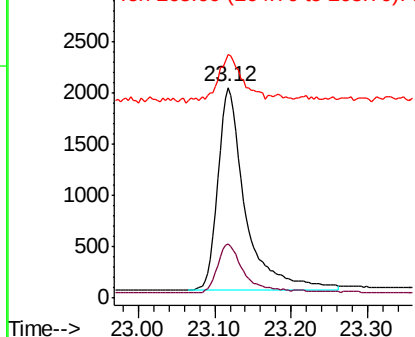


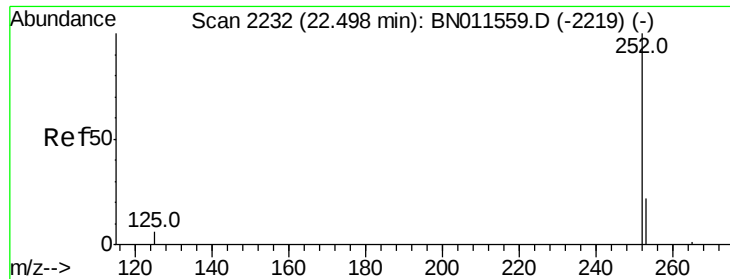
#36  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.12 min Scan# 2413  
 Delta R.T. 0.00 min  
 Lab File: BN011557.D  
 Acq: 21 Aug 2020 16:24

Tgt Ion:264 Resp: 5038  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 20.3 30.5  
 265 115.5 96.1 144.1



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: 0.093 ng

RT: 22.50 min Scan# 2234

Delta R.T. 0.01 min

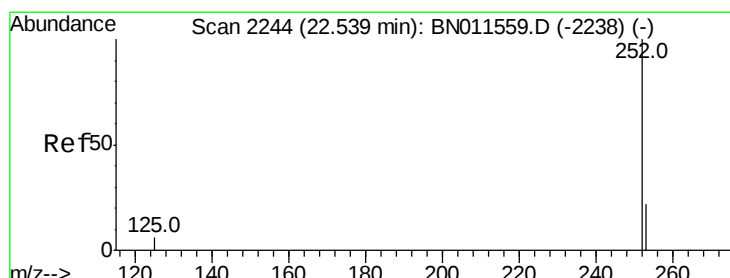
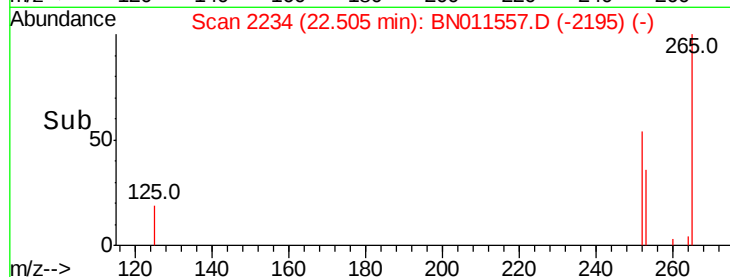
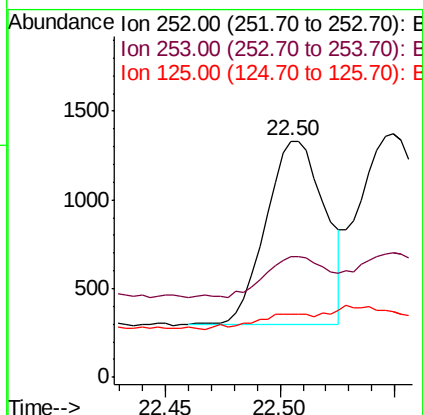
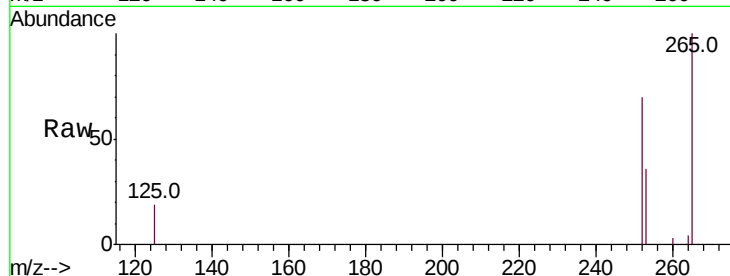
Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDIC0.1

Tot Ion:252 Resp: 1862

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 51.0  | 25.5  | 38.3# |
| 125 | 26.8  | 10.2  | 15.4# |



#38

Benzo(k)fluoranthene

Concen: 0.112 ng

RT: 22.55 min Scan# 2247

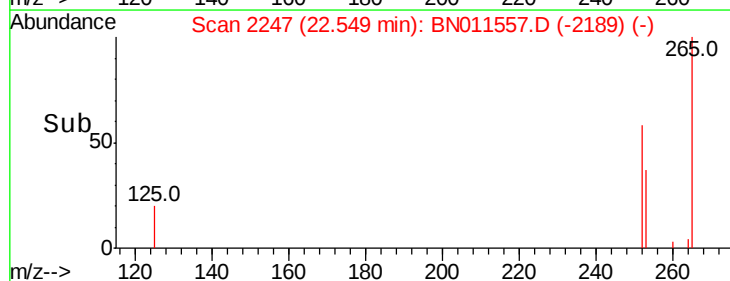
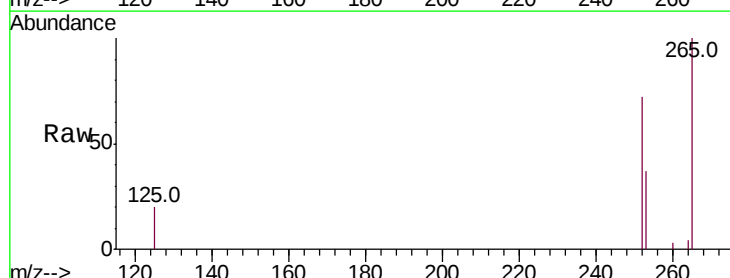
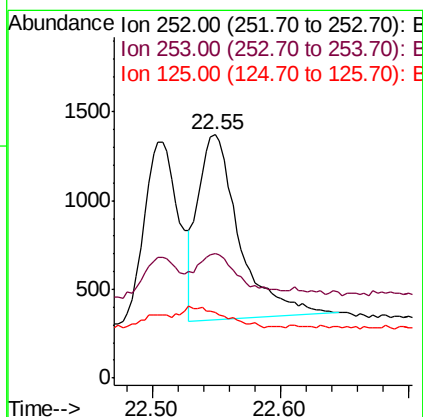
Delta R.T. 0.01 min

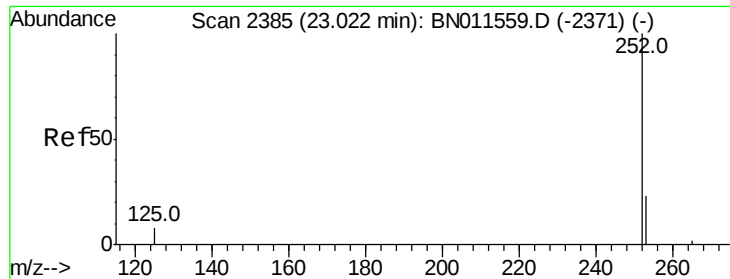
Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Tgt Ion:252 Resp: 2330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 51.4  | 25.8  | 38.6# |
| 125 | 27.2  | 10.8  | 16.2# |





#39

Benzo(a)pyrene

Concen: 0.105 ng

RT: 23.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

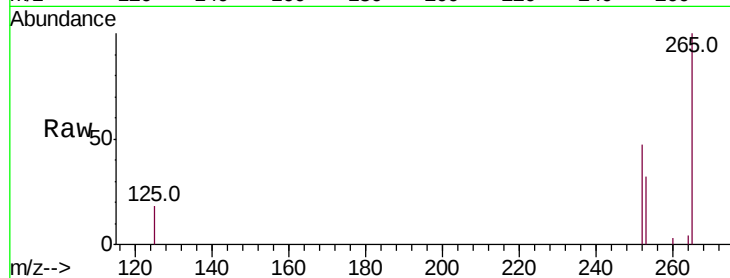
Tot Ion:252 Resp: 1834

Ion Ratio Lower Upper

252 100

253 67.1 31.8 47.8#

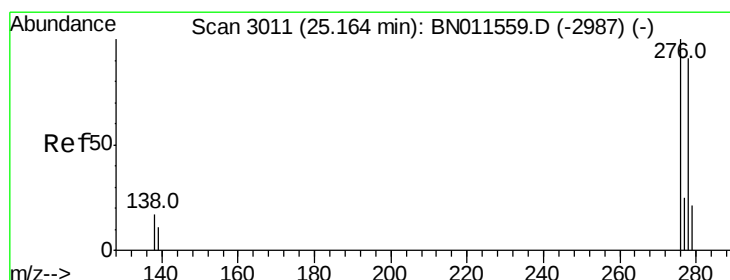
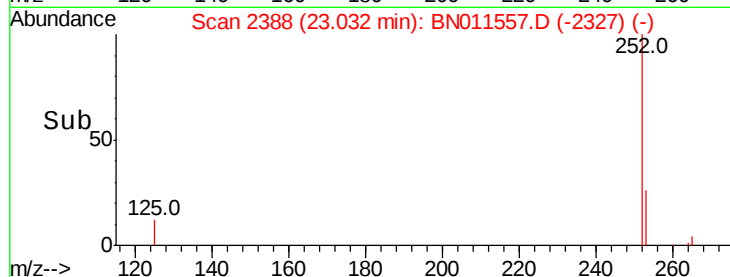
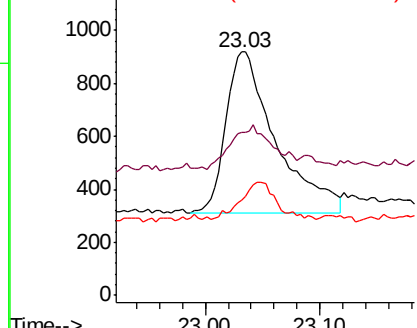
125 38.8 15.4 23.0#



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



#40

Dibenzo(a,h)anthracene

Concen: 0.069 ng

RT: 25.18 min Scan# 3016

Delta R.T. 0.02 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

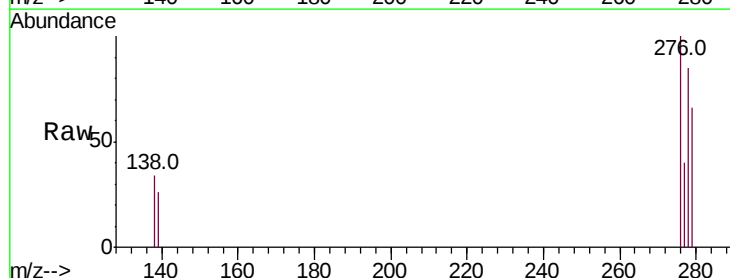
Tgt Ion:278 Resp: 1347

Ion Ratio Lower Upper

278 100

139 30.2 14.0 21.0#

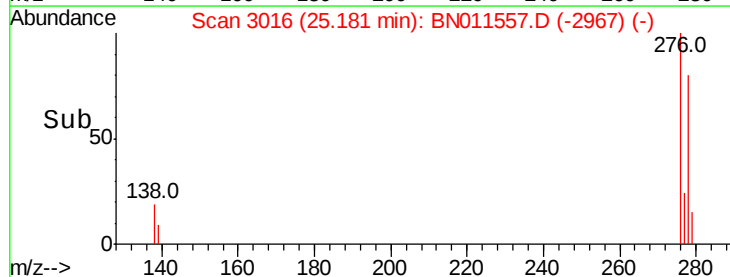
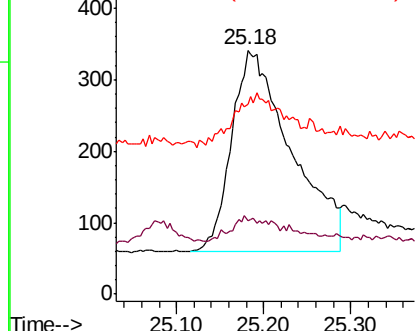
279 78.0 32.4 48.6#

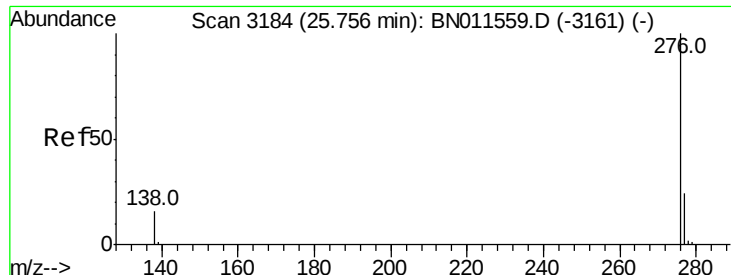


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.047 ng

RT: 25.77 min Scan# 3188

Delta R.T. 0.01 min

Lab File: BN011557.D

Acq: 21 Aug 2020 16:24

Instrument :

BNA\_N

ClientSampleId :

SSTDIC0.1

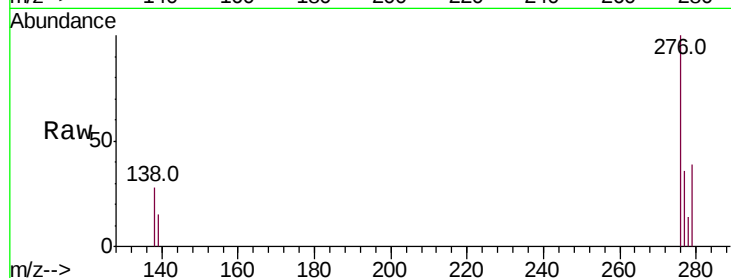
Tot Ion:276 Resp: 964

Ion Ratio Lower Upper

276 100

277 35.6 22.1 33.1#

138 27.9 15.4 23.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

