

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN073120\  
 Data File : BN011325.D  
 Acq On : 31 Jul 2020 13:29  
 Operator : CG/JU  
 Sample : PB130596BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130596BS

Quant Time: Jul 31 14:06:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 31 12:17:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 1672     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.21 | 136  | 5680     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.09 | 164  | 3380     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.85 | 188  | 8198     | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.07 | 240  | 8548     | 0.40 | ng    | 0.00     |
| 36) Perylene-d12          | 23.20 | 264  | 8516     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.13  | 112 | 1665 | 0.38 | ng | 0.00 |
| 5) Phenol-d6                | 6.68  | 99  | 1799 | 0.34 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.60  | 82  | 2084 | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.81 | 152 | 3309 | 0.32 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.60 | 330 | 536  | 0.34 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.71 | 172 | 6213 | 0.43 | ng | 0.00 |
| 27) Fluoranthene-d10        | 18.89 | 212 | 8409 | 0.34 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.51 | 244 | 9336 | 0.36 | ng | 0.00 |

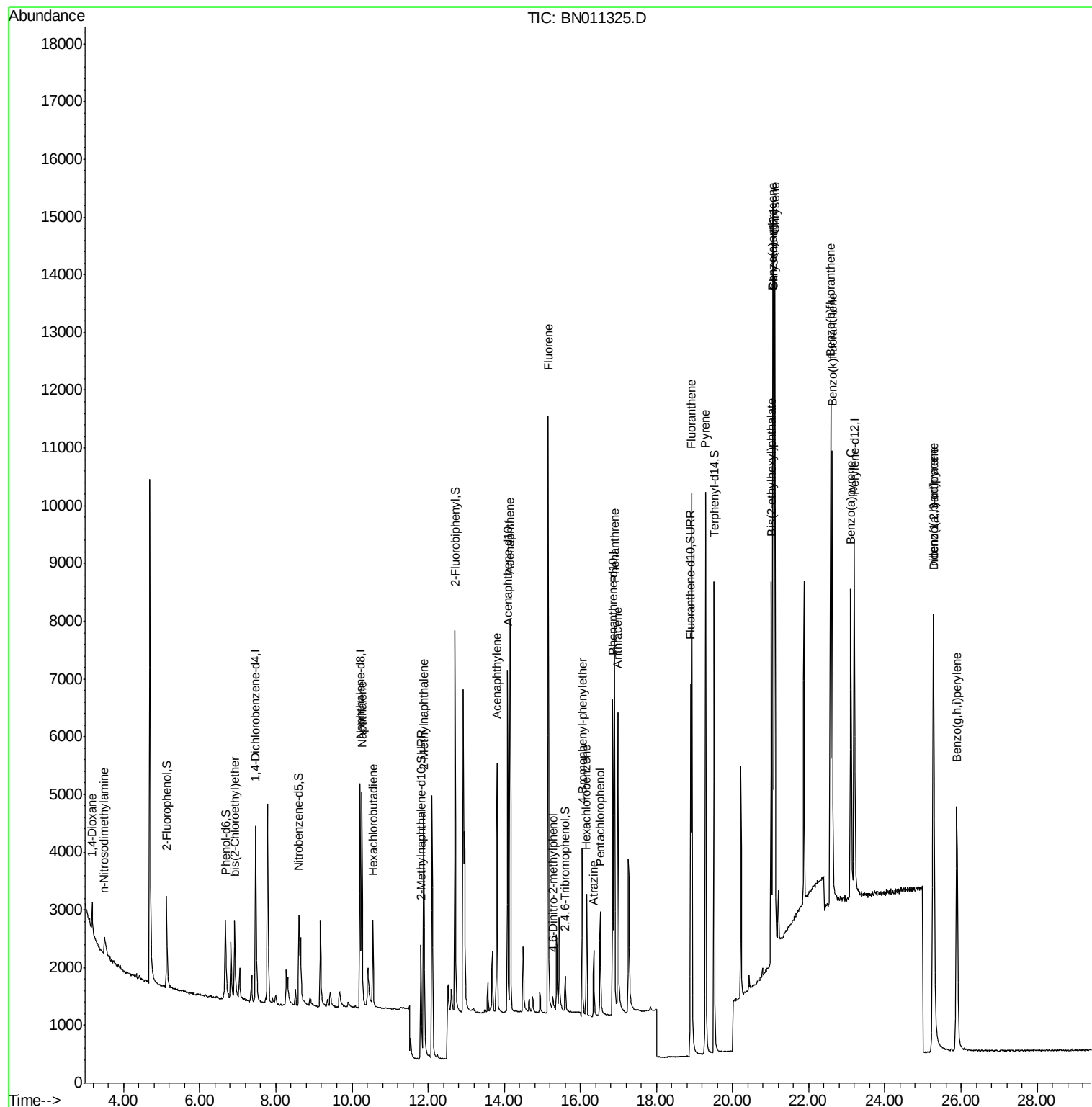
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.17  | 88  | 516   | 0.219  | ng | # 76 |
| 3) n-Nitrosodimethylamine      | 3.50  | 42  | 392   | 0.325  | ng | # 94 |
| 6) bis(2-Chloroethyl)ether     | 6.92  | 93  | 1347  | 0.303  | ng | 99   |
| 9) Naphthalene                 | 10.26 | 128 | 5245  | 0.311  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.55 | 225 | 1146  | 0.281  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.89 | 142 | 3595  | 0.301  | ng | 97   |
| 16) Acenaphthylene             | 13.81 | 152 | 5294  | 0.304  | ng | 99   |
| 17) Acenaphthene               | 14.15 | 154 | 3378  | 0.298  | ng | 99   |
| 18) Fluorene                   | 15.16 | 166 | 4622  | 0.317  | ng | 99   |
| 20) 4,6-Dinitro-2-methylphenol | 15.27 | 198 | 368   | 0.408  | ng | 93   |
| 21) 4-Bromophenyl-phenylether  | 16.06 | 248 | 1474  | 0.271  | ng | 93   |
| 22) Hexachlorobenzene          | 16.16 | 284 | 1585  | 0.257  | ng | 96   |
| 23) Atrazine                   | 16.35 | 200 | 1125  | 0.266  | ng | 99   |
| 24) Pentachlorophenol          | 16.52 | 266 | 1072  | 0.561  | ng | 96   |
| 25) Phenanthrene               | 16.90 | 178 | 7864  | 0.295  | ng | 100  |
| 26) Anthracene                 | 16.98 | 178 | 6736  | 0.304  | ng | 99   |
| 28) Fluoranthene               | 18.92 | 202 | 9606  | 0.317  | ng | 99   |
| 30) Pyrene                     | 19.29 | 202 | 9587  | 0.249  | ng | 99   |
| 32) Benzo(a)anthracene         | 21.06 | 228 | 9233  | 0.322  | ng | 99   |
| 33) Chrysene                   | 21.11 | 228 | 10663 | 0.332  | ng | 99   |
| 34) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 3805  | 0.248  | ng | 99   |
| 35) Indeno(1,2,3-cd)pyrene     | 25.27 | 276 | 10035 | 0.320  | ng | 97   |
| 37) Benzo(b)fluoranthene       | 22.57 | 252 | 10294 | 0.303  | ng | 98   |
| 38) Benzo(k)fluoranthene       | 22.61 | 252 | 11333 | 0.303  | ng | 98   |
| 39) Benzo(a)pyrene             | 23.10 | 252 | 8810  | 0.299  | ng | 96   |
| 40) Dibenzo(a,h)anthracene     | 25.28 | 278 | 8164  | 0.268  | ng | 98   |
| 41) Benzo(g,h,i)perylene       | 25.89 | 276 | 9286  | 0.275  | ng | 98   |

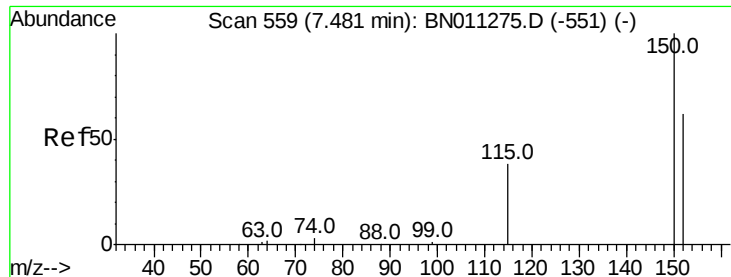
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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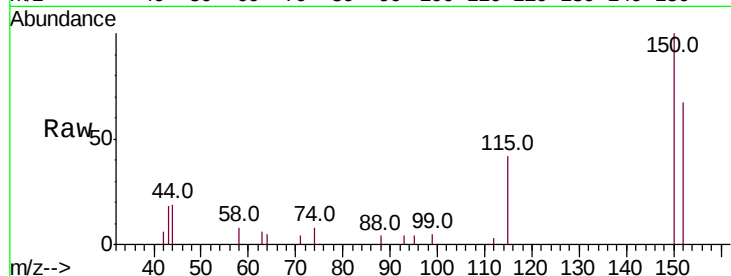




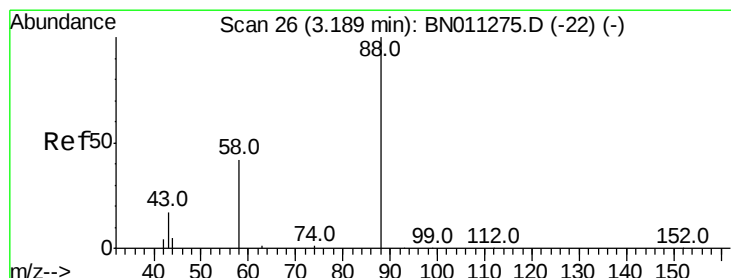
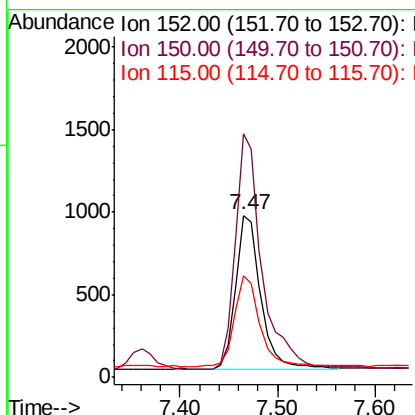
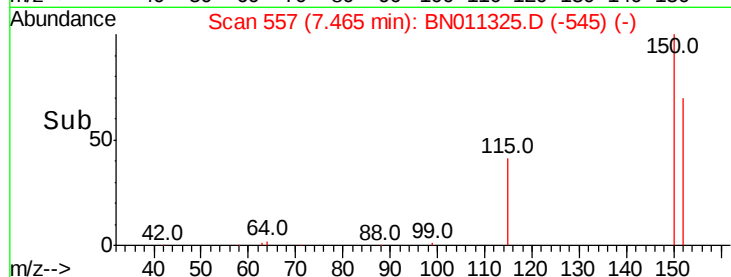
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.47 min Scan# 557  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130596BS

Tot Ion:152 Resp: 1672  
 Ion Ratio Lower Upper  
 152 100  
 150 150.1 126.5 189.7  
 115 62.7 51.9 77.9

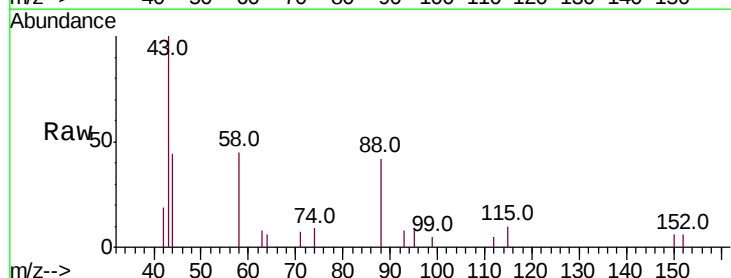


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

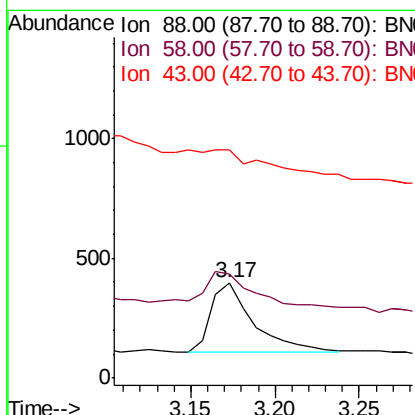
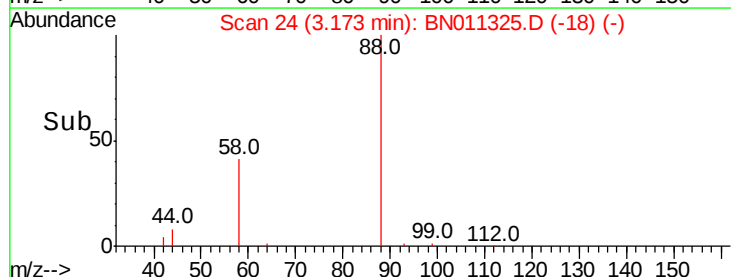


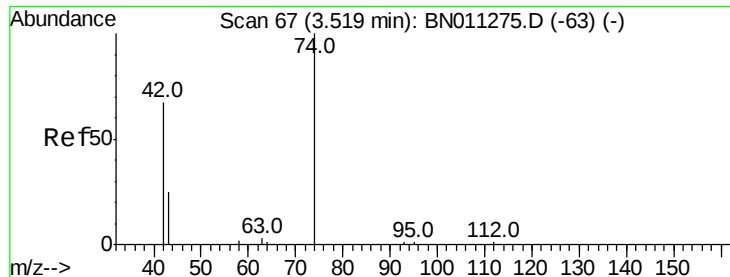
#2  
 1,4-Dioxane  
 Concen: 0.219 ng  
 RT: 3.17 min Scan# 24  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Tgt Ion: 88 Resp: 516  
 Ion Ratio Lower Upper  
 88 100  
 58 55.2 36.5 54.7#  
 43 0.0 16.1 24.1#



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



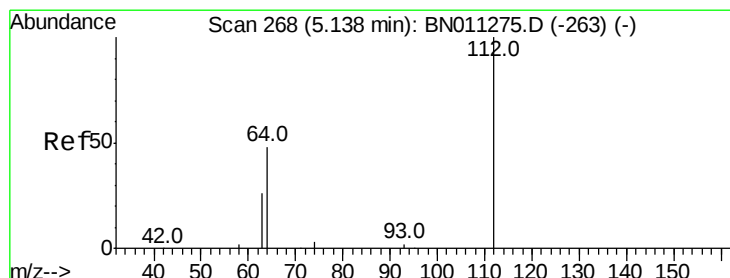
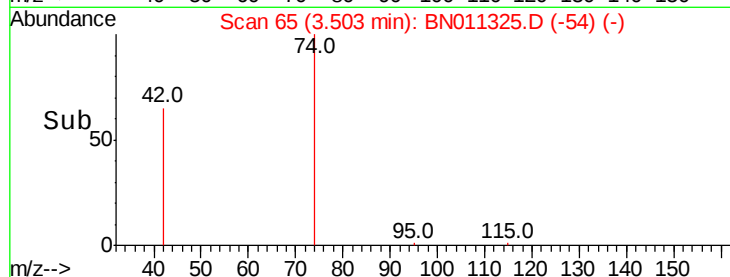
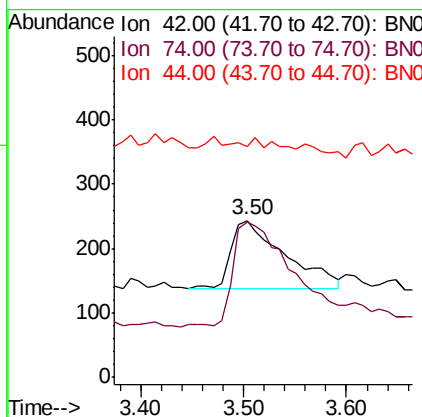
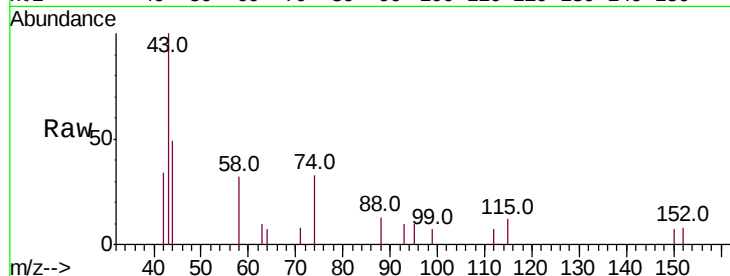


#3

n-Nitrosodimethylamine  
 Concen: 0.325 ng  
 RT: 3.50 min Scan# 65  
 Delta R.T. -0.01 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130596BS

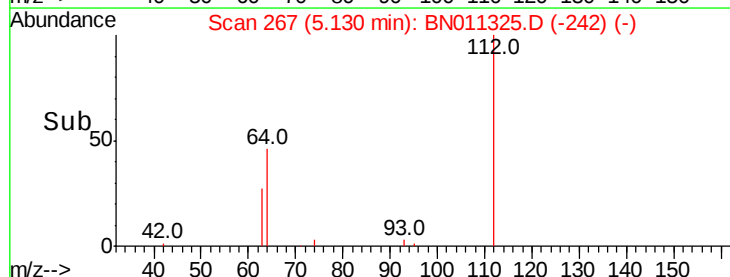
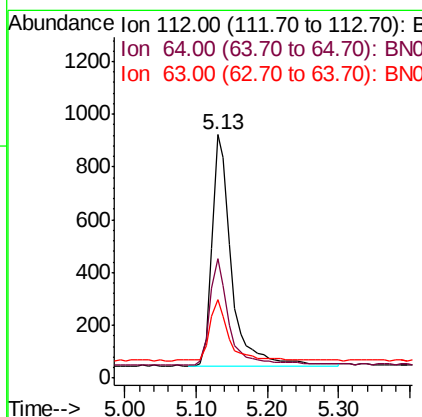
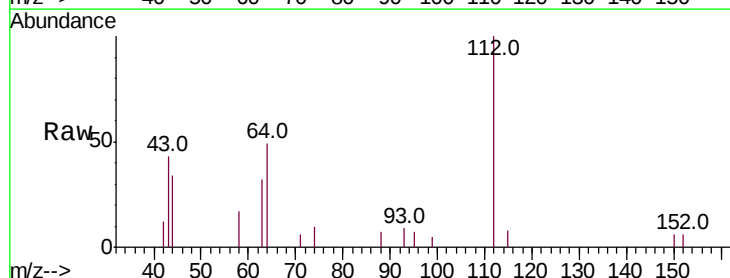
Tot Ion: 42 Resp: 392  
 Ion Ratio Lower Upper  
 42 100  
 74 174.2 144.2 216.2  
 44 0.0 11.1 16.7#

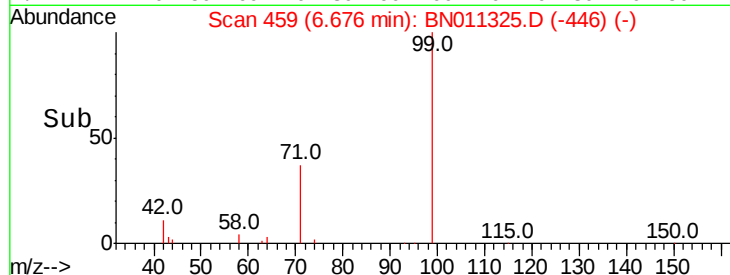
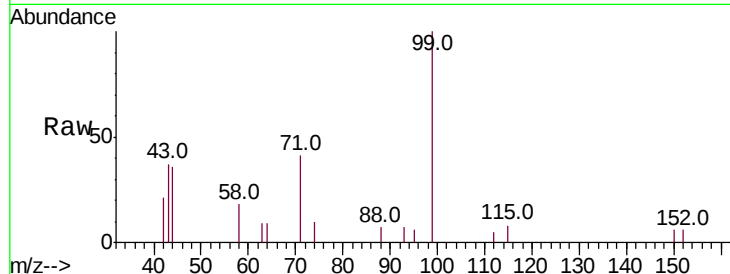
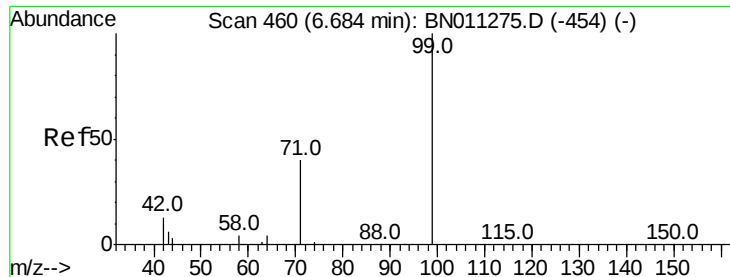


#4

2-Fluorophenol  
 Concen: 0.379 ng  
 RT: 5.13 min Scan# 267  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Tgt Ion: 112 Resp: 1665  
 Ion Ratio Lower Upper  
 112 100  
 64 44.3 35.8 53.6  
 63 27.3 19.3 28.9





#5

Phenol-d6

Concen: 0.337 ng

RT: 6.68 min Scan# 459

Delta R.T. 0.01 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

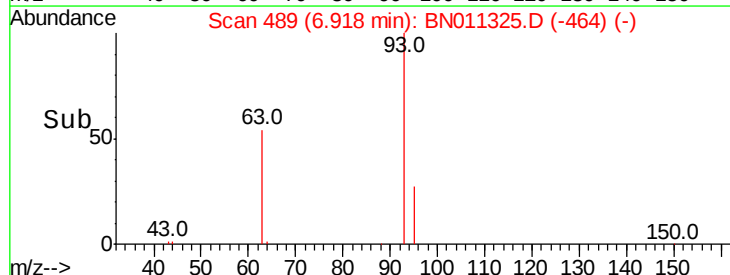
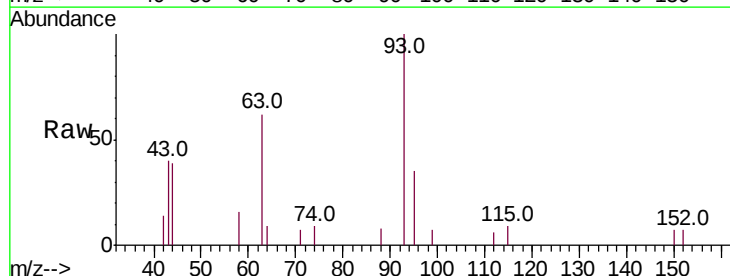
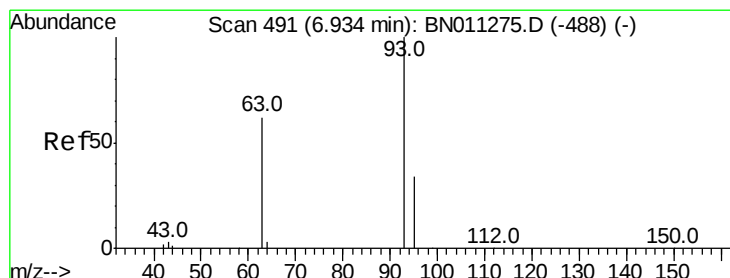
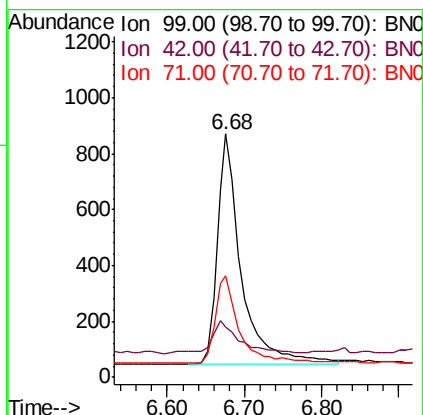
Tot Ion: 99 Resp: 1799

Ion Ratio Lower Upper

99 100

42 16.1 11.2 16.8

71 38.6 30.6 45.8



#6

bis(2-Chloroethyl)ether

Concen: 0.303 ng

RT: 6.92 min Scan# 489

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

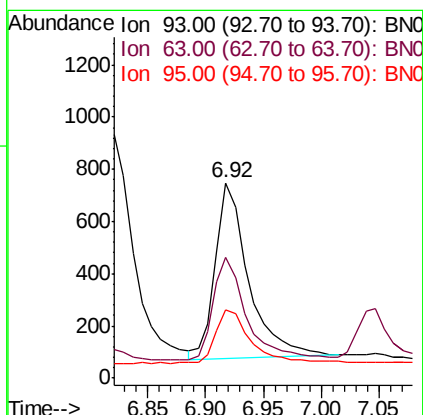
Tgt Ion: 93 Resp: 1347

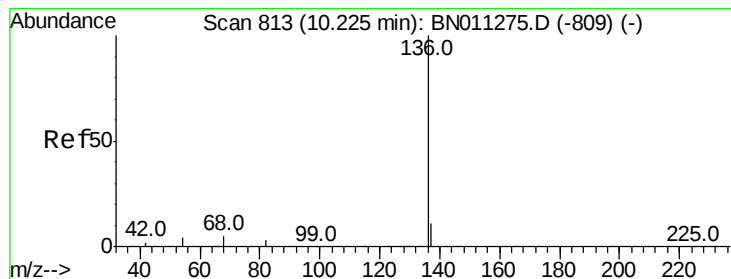
Ion Ratio Lower Upper

93 100

63 60.4 47.8 71.6

95 35.2 27.1 40.7





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.21 min Scan# 812

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

Tot Ion:136 Resp: 5680

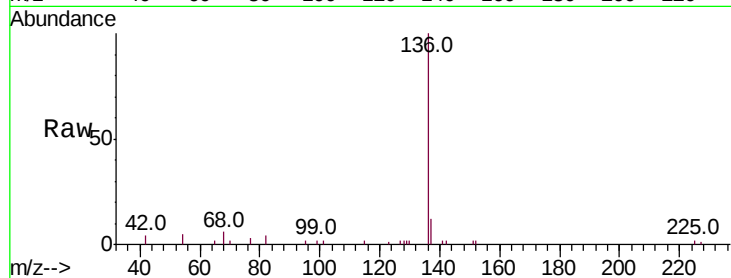
Ion Ratio Lower Upper

136 100

137 12.2 9.9 14.9

54 5.2 4.8 7.2

68 5.6 4.9 7.3

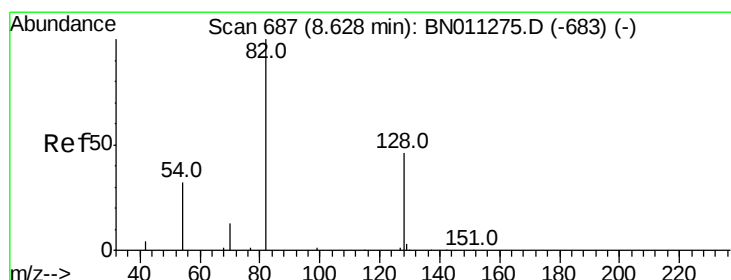
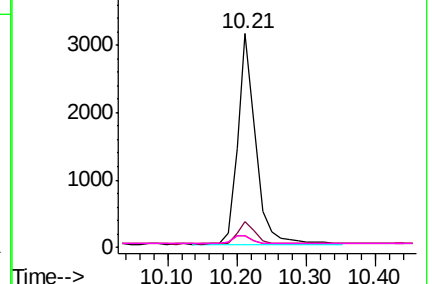
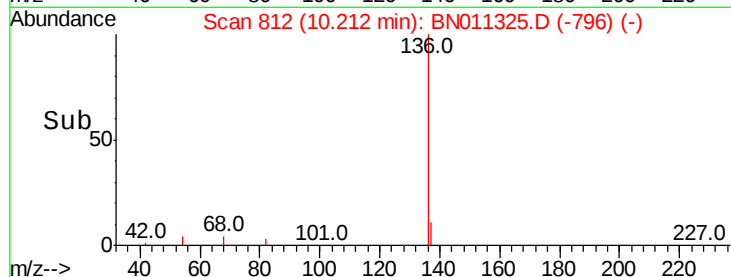


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.411 ng

RT: 8.60 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

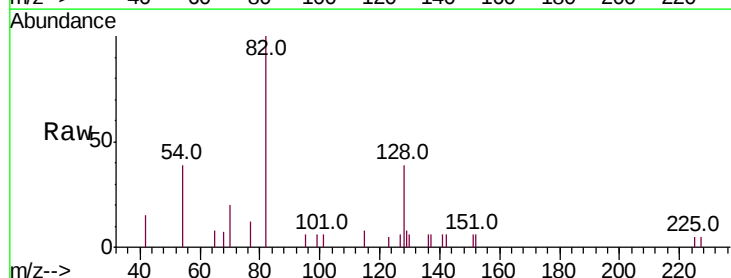
Tgt Ion: 82 Resp: 2084

Ion Ratio Lower Upper

82 100

128 39.5 40.1 60.1#

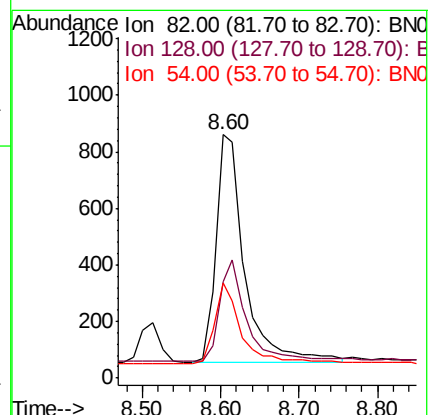
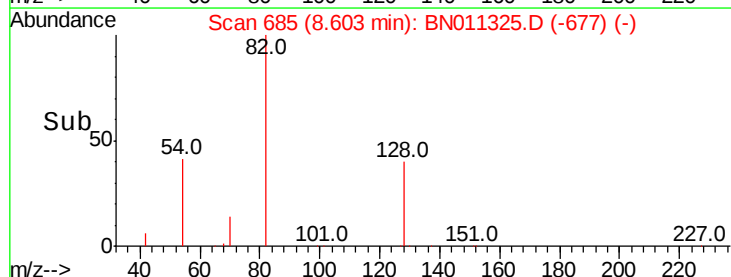
54 39.1 29.0 43.6

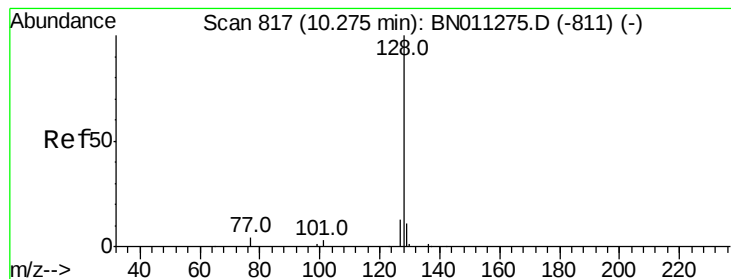


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.311 ng

RT: 10.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

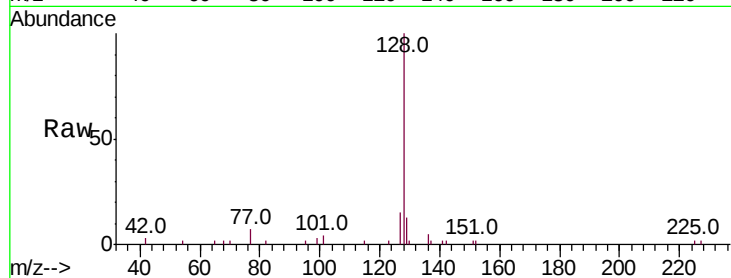
Tot Ion:128 Resp: 5245

Ion Ratio Lower Upper

128 100

129 12.7 9.7 14.5

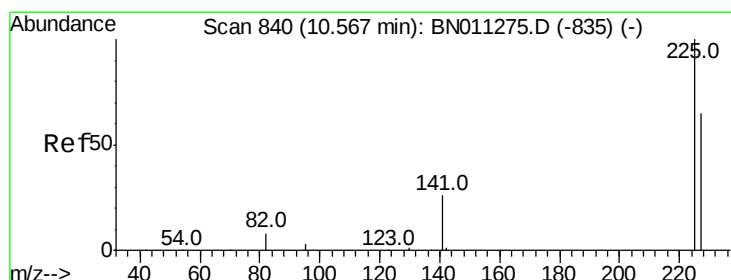
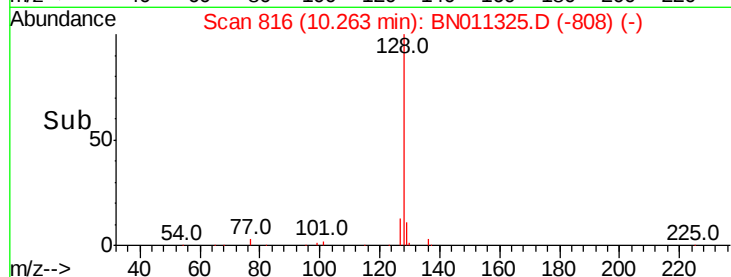
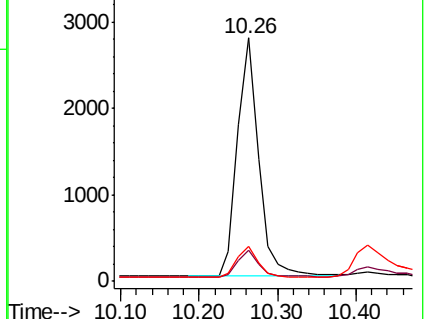
127 14.6 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.281 ng

RT: 10.55 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

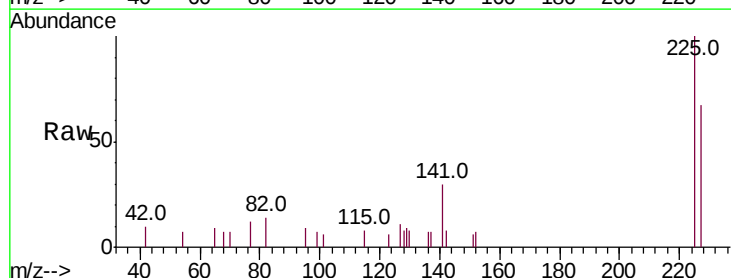
Tgt Ion:225 Resp: 1146

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

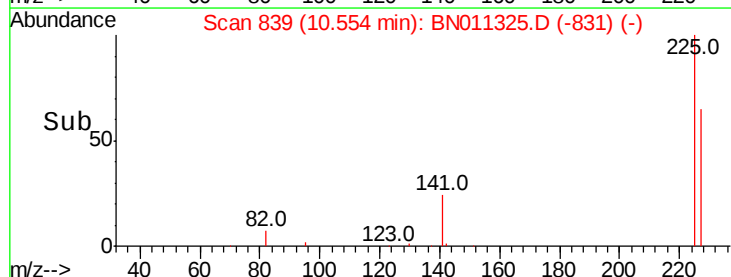
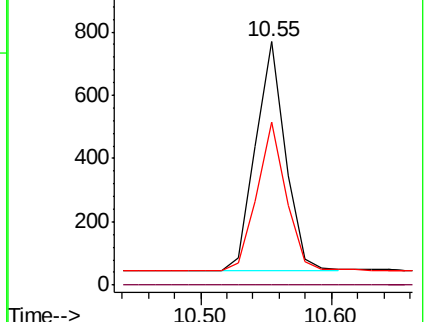
227 63.8 51.7 77.5

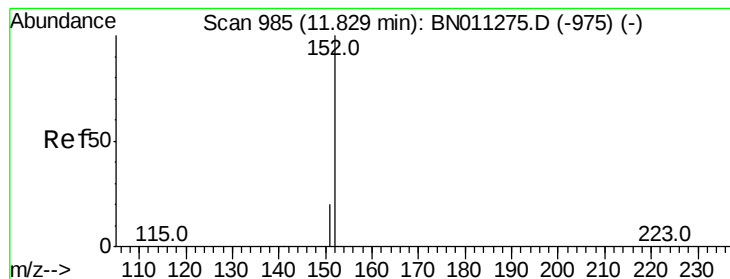


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

RT: 11.81 min Scan# 981

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

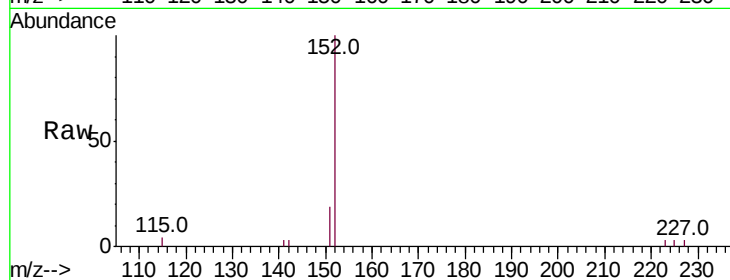
PB130596BS

Tot Ion:152 Resp: 3309

Ion Ratio Lower Upper

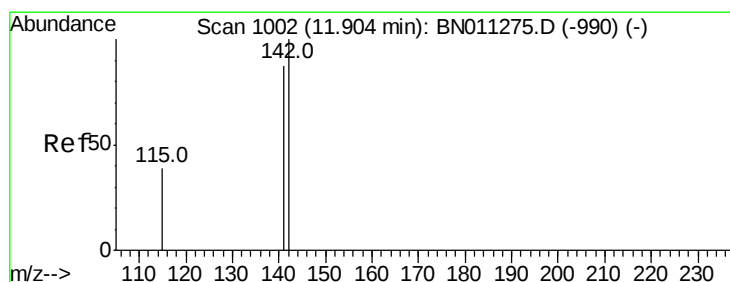
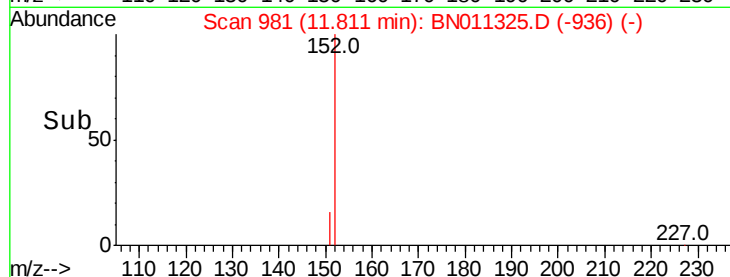
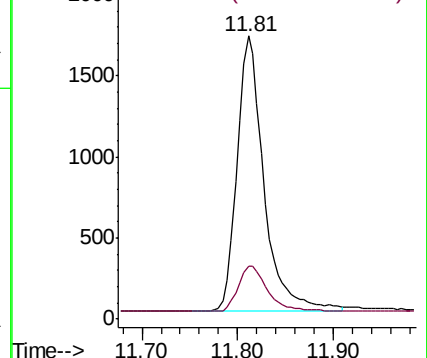
152 100

151 18.6 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.301 ng

RT: 11.89 min Scan# 998

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

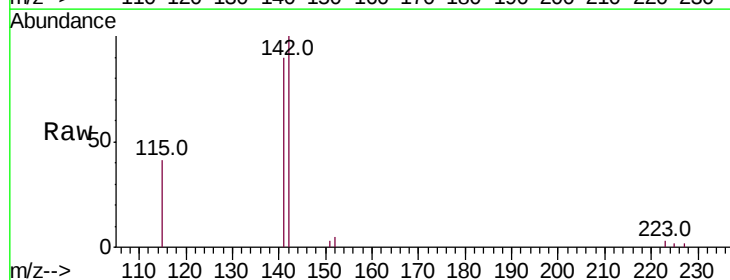
Tgt Ion:142 Resp: 3595

Ion Ratio Lower Upper

142 100

141 90.4 69.6 104.4

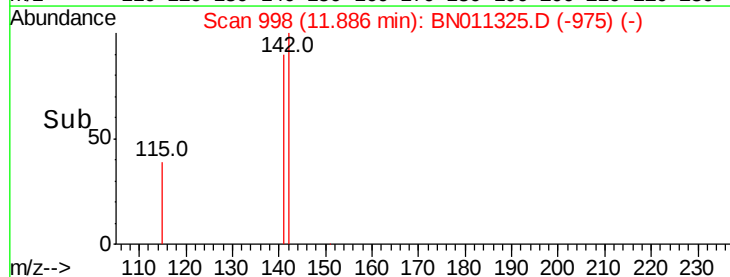
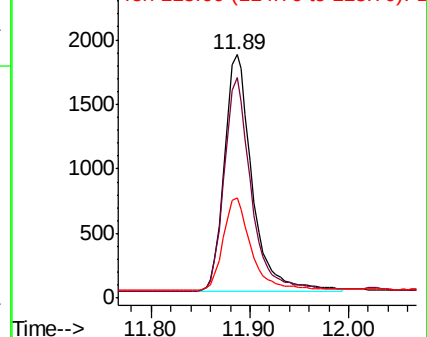
115 41.1 32.5 48.7

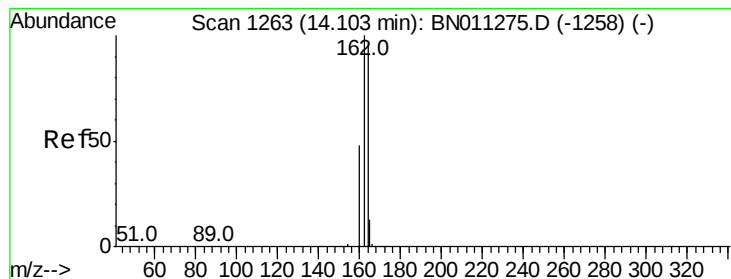


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.09 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

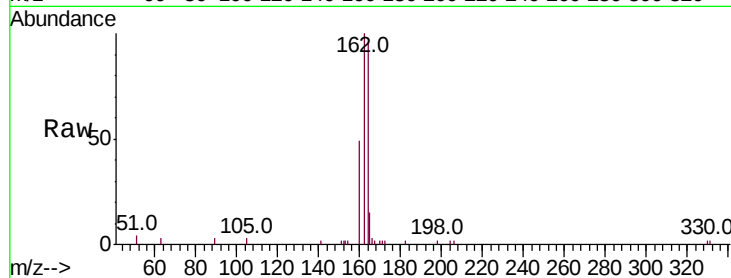
Tot Ion:164 Resp: 3380

Ion Ratio Lower Upper

164 100

162 103.6 83.6 125.4

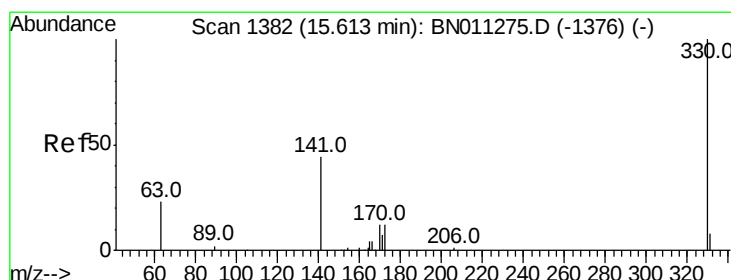
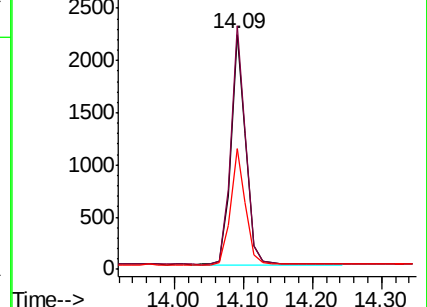
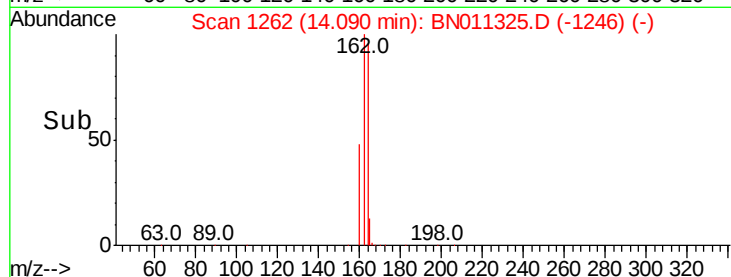
160 51.1 41.2 61.8



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: 0.344 ng

RT: 15.60 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

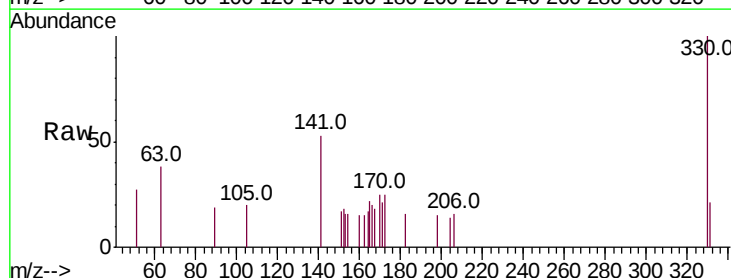
Tgt Ion:330 Resp: 536

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

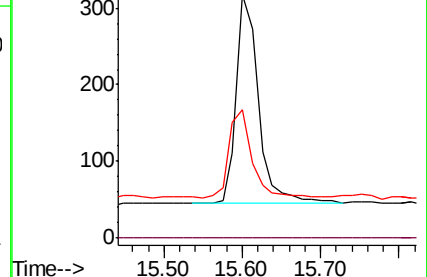
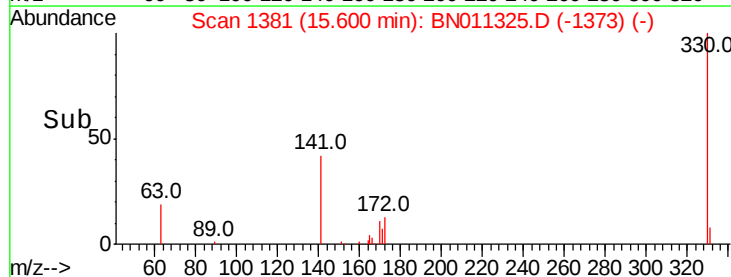
141 44.8 34.2 51.2

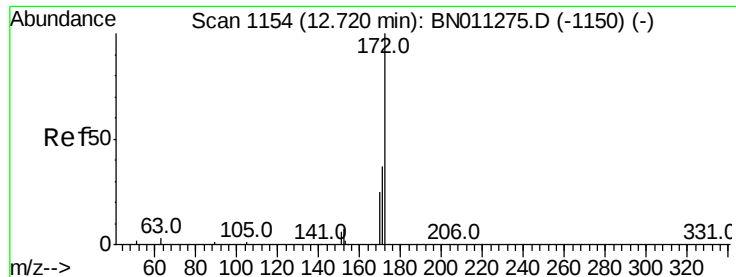


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

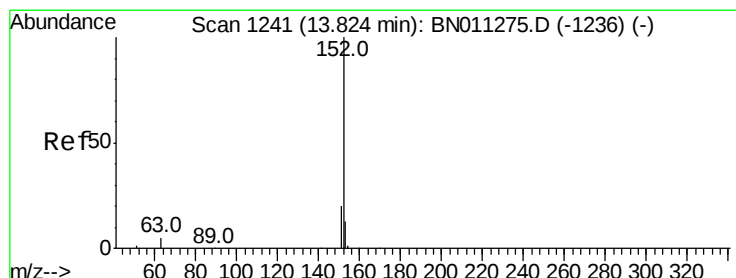
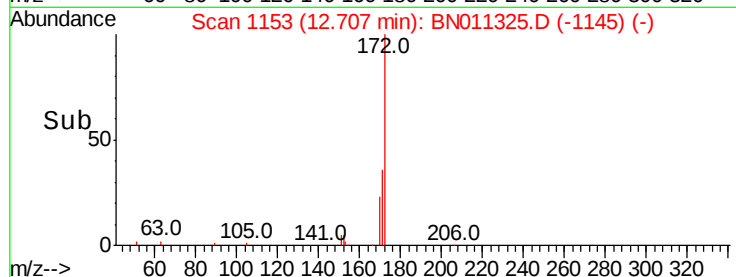
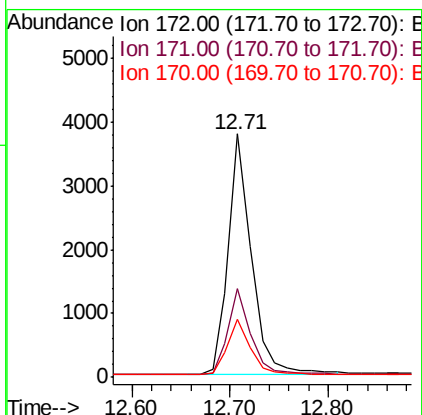
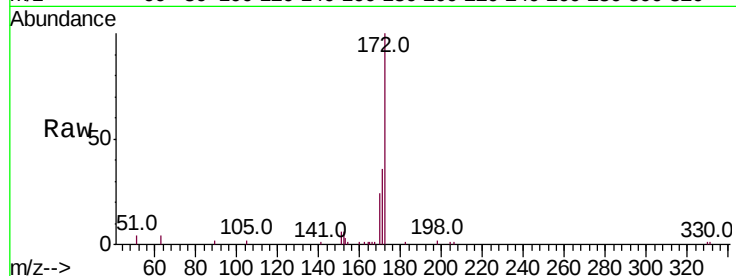




#15  
2-Fluorobiphenyl  
Concen: 0.426 ng  
RT: 12.71 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BN011325.D  
Acq: 31 Jul 2020 13:29

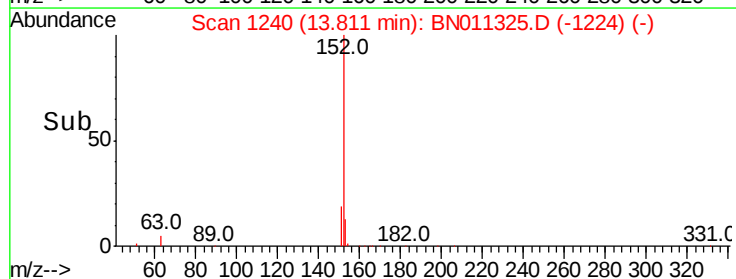
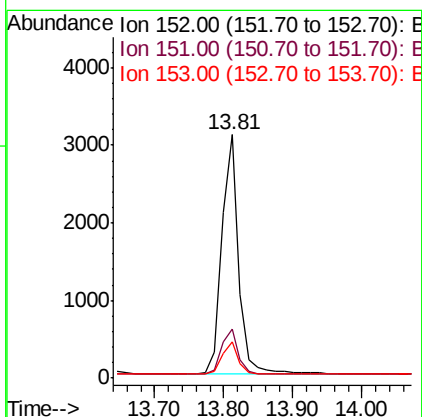
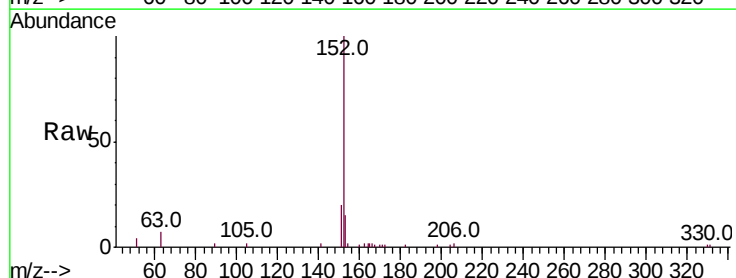
Instrument :  
BNA\_N  
ClientSampleId :  
PB130596BS

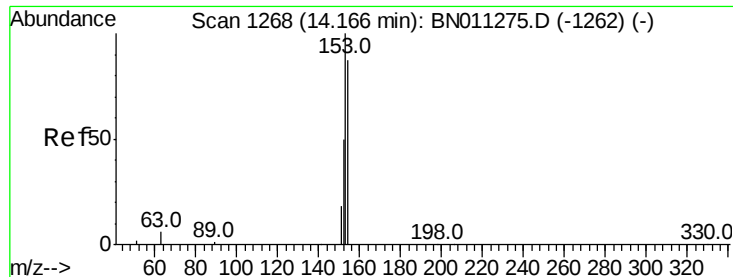
Tot Ion:172 Resp: 6213  
Ion Ratio Lower Upper  
172 100  
171 36.5 30.6 46.0  
170 23.8 21.0 31.4



#16  
Acenaphthylene  
Concen: 0.304 ng  
RT: 13.81 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: BN011325.D  
Acq: 31 Jul 2020 13:29

Tgt Ion:152 Resp: 5294  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.8 23.8  
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.298 ng

RT: 14.15 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

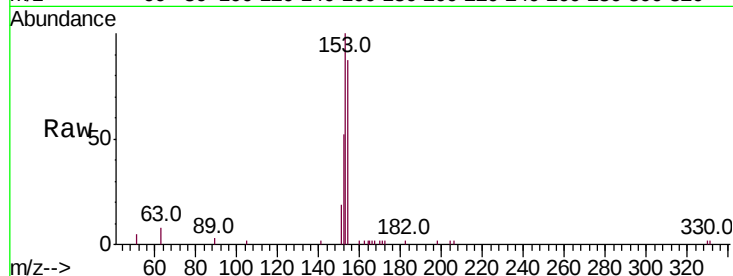
Tot Ion:154 Resp: 3378

Ion Ratio Lower Upper

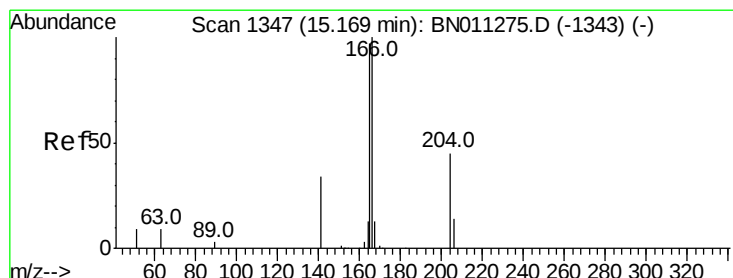
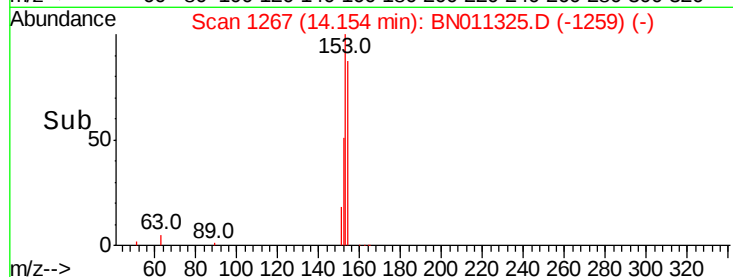
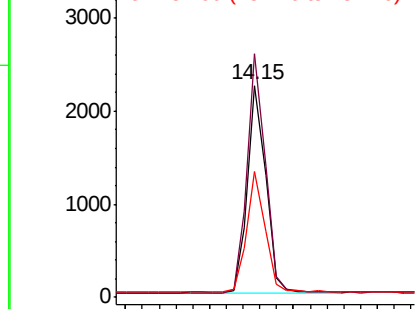
154 100

153 114.8 91.3 136.9

152 59.1 45.8 68.6



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: 0.317 ng

RT: 15.16 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

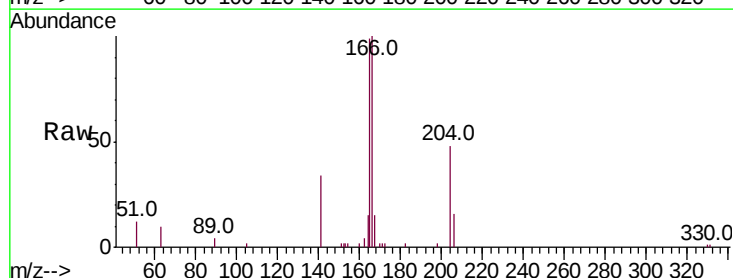
Tgt Ion:166 Resp: 4622

Ion Ratio Lower Upper

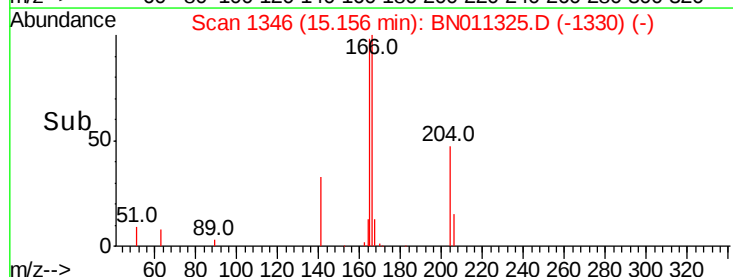
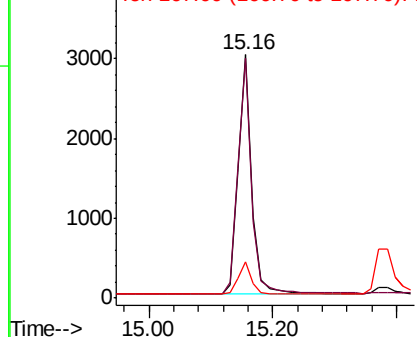
166 100

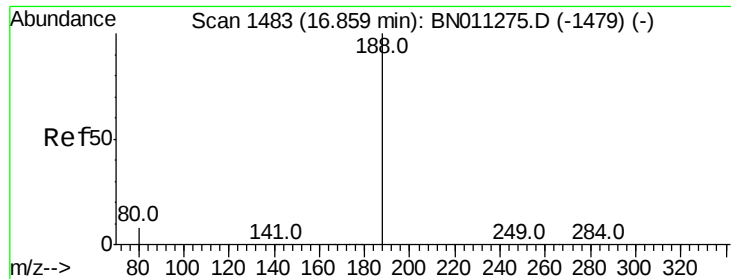
165 98.7 79.6 119.4

167 13.7 10.8 16.2



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: 16.85 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

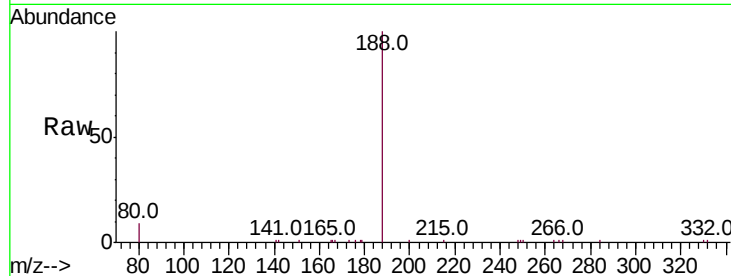
Tot Ion:188 Resp: 8198

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

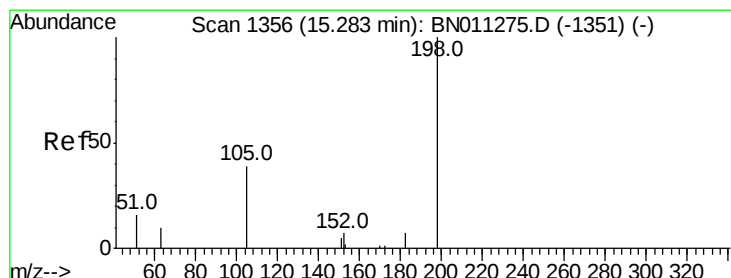
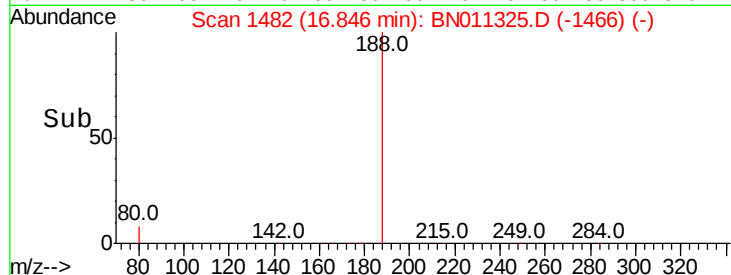
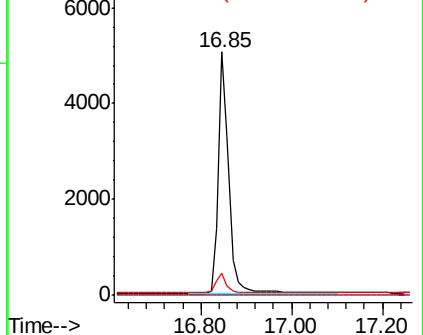
80 8.9 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4,6-Dinitro-2-methylphenol

Concen: 0.408 ng

RT: 15.27 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

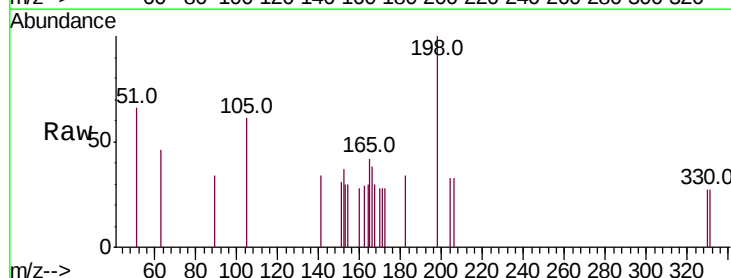
Tgt Ion:198 Resp: 368

Ion Ratio Lower Upper

198 100

51 65.7 49.0 73.6

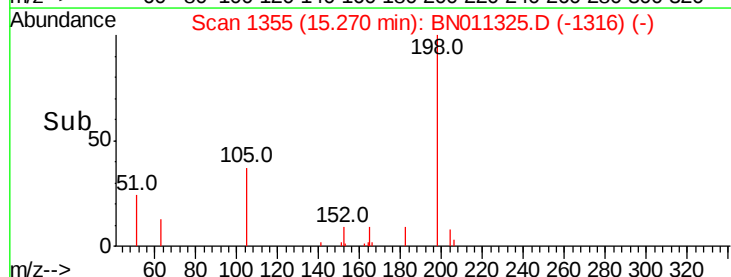
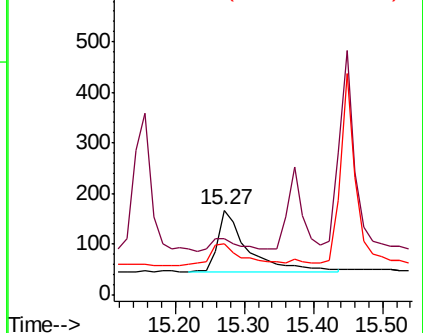
105 60.8 53.8 80.6

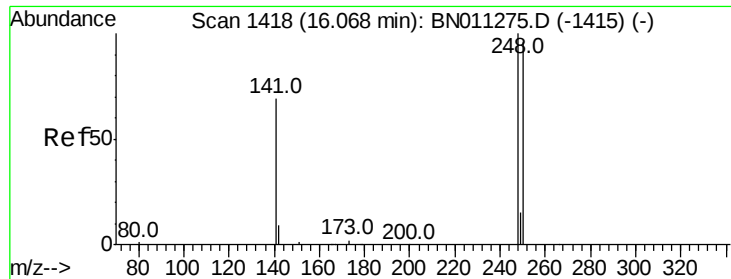


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

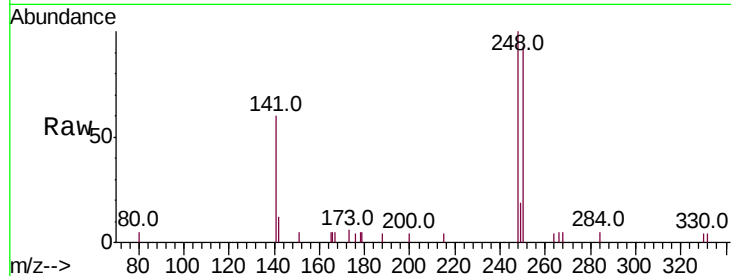




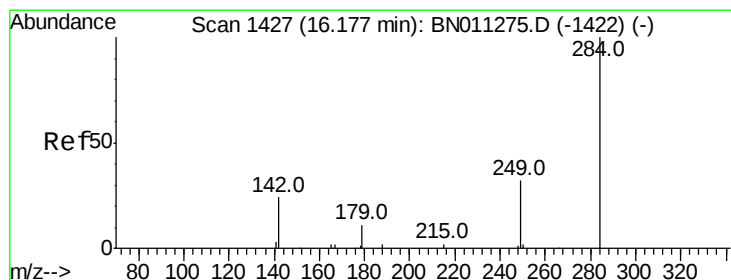
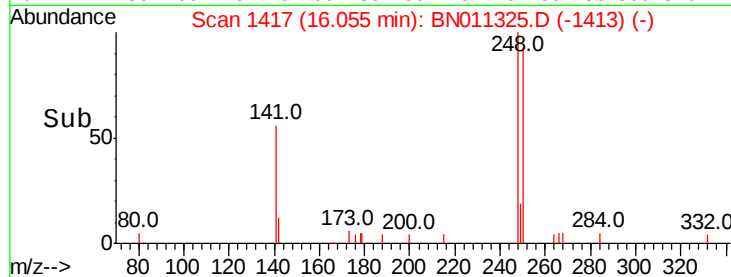
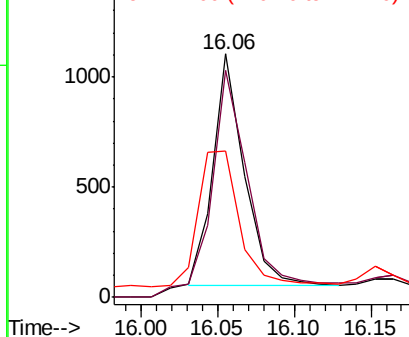
#21  
4-Bromophenyl-phenylether  
Concen: 0.271 ng  
RT: 16.06 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: BN011325.D  
Acq: 31 Jul 2020 13:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB130596BS

Tot Ion:248 Resp: 1474  
Ion Ratio Lower Upper  
248 100  
250 93.5 77.2 115.8  
141 60.1 56.5 84.7

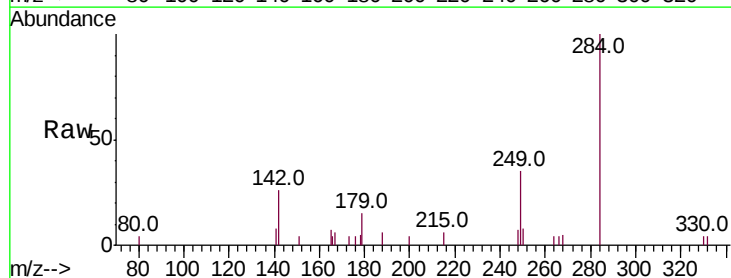


Abundance Ion 248.00 (247.70 to 248.70): E  
1500 Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

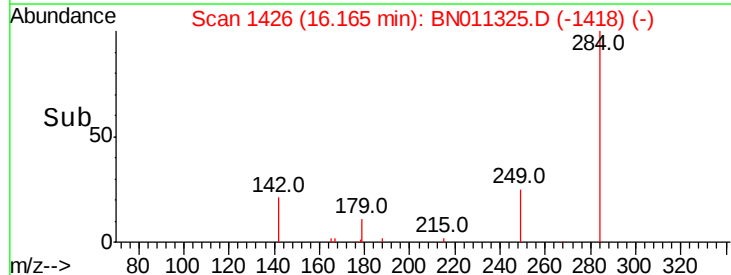
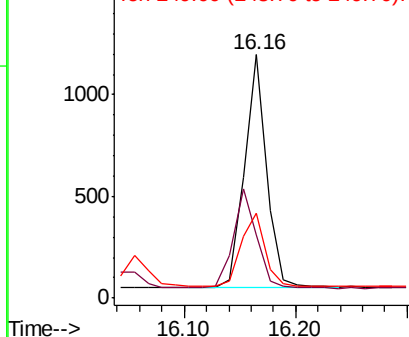


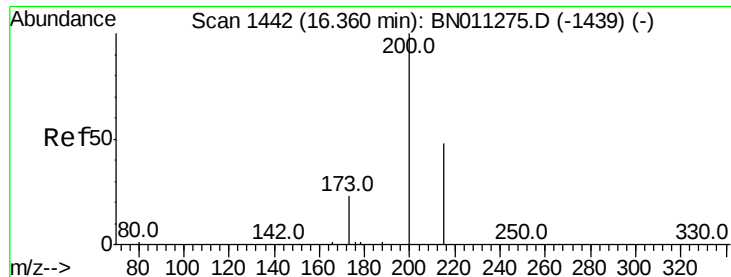
#22  
Hexachlorobenzene  
Concen: 0.257 ng  
RT: 16.16 min Scan# 1426  
Delta R.T. 0.00 min  
Lab File: BN011325.D  
Acq: 31 Jul 2020 13:29

Tgt Ion:284 Resp: 1585  
Ion Ratio Lower Upper  
284 100  
142 44.8 32.8 49.2  
249 34.1 26.6 40.0



Abundance Ion 283.80 (283.50 to 284.50): E  
1500 Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





#23

Atrazine

Concen: 0.266 ng

RT: 16.35 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

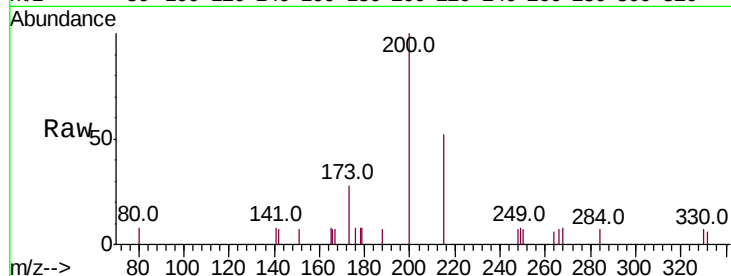
Tot Ion:200 Resp: 1125

Ion Ratio Lower Upper

200 100

173 28.3 22.0 33.0

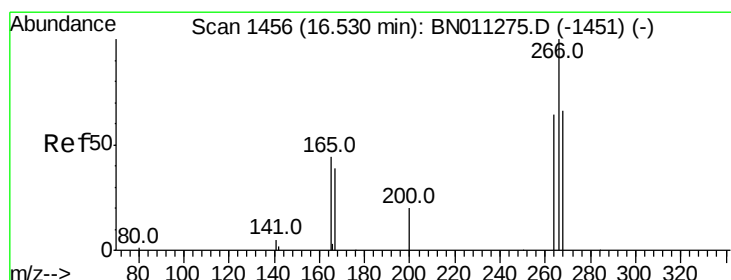
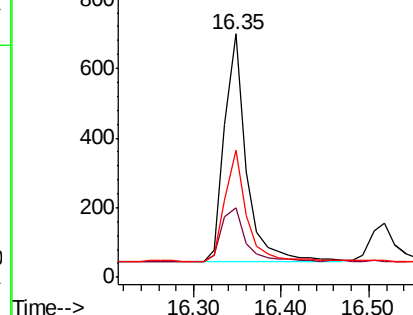
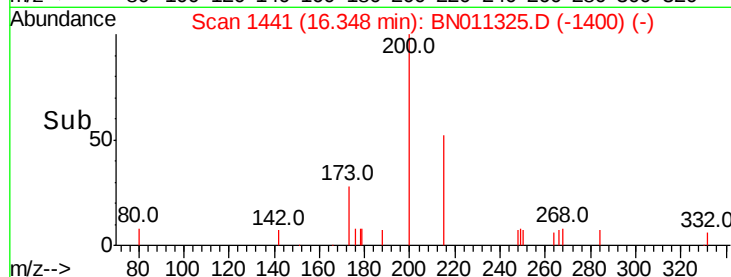
215 52.4 41.1 61.7



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: 0.561 ng

RT: 16.52 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

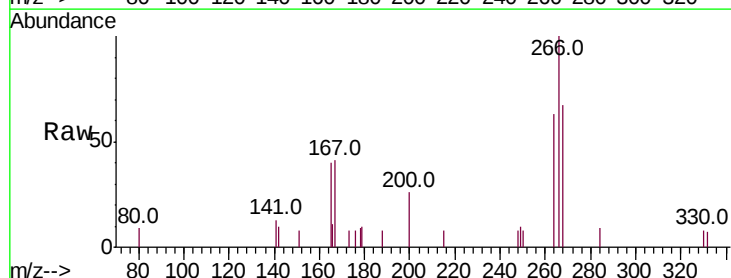
Tgt Ion:266 Resp: 1072

Ion Ratio Lower Upper

266 100

264 62.7 51.1 76.7

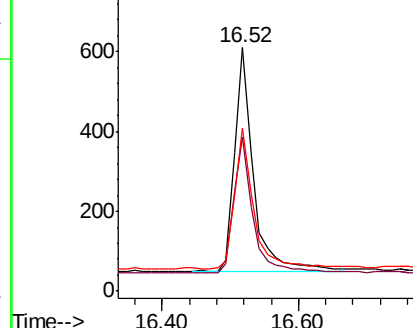
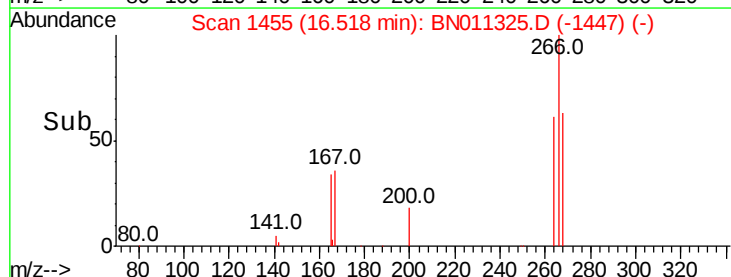
268 64.5 55.5 83.3

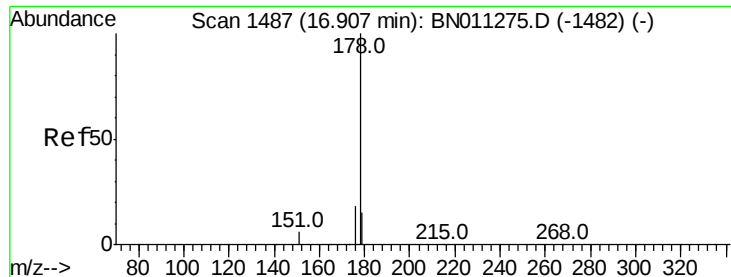


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.295 ng

RT: 16.90 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

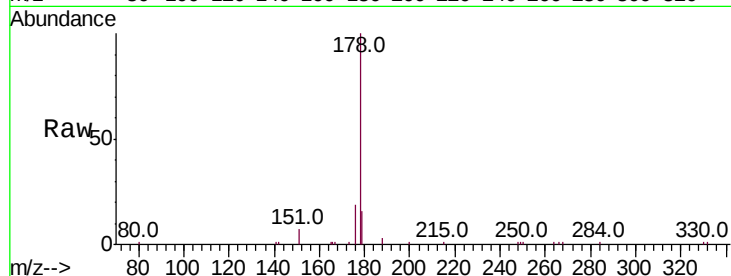
Tot Ion:178 Resp: 7864

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

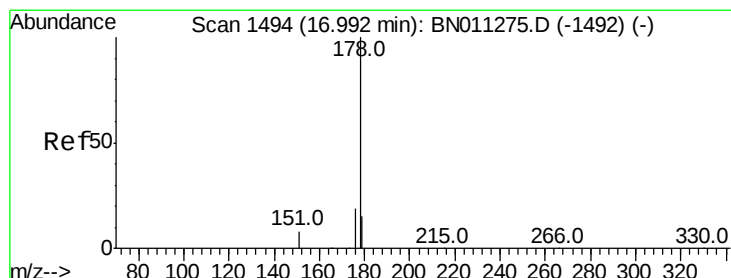
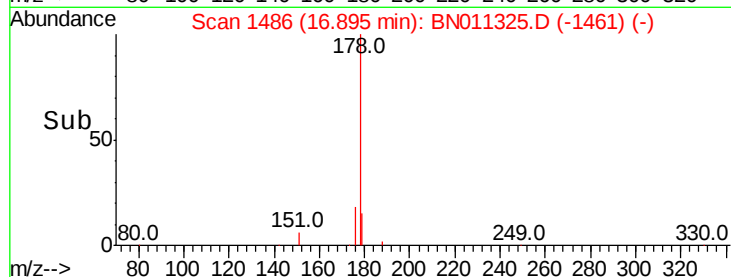
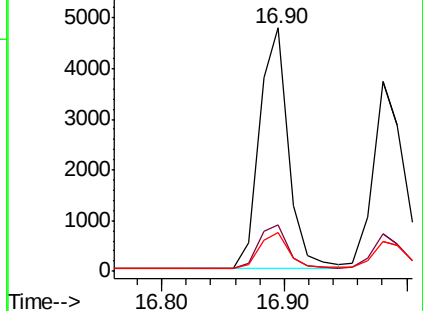
179 15.2 12.2 18.4



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



#26

Anthracene

Concen: 0.304 ng

RT: 16.98 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

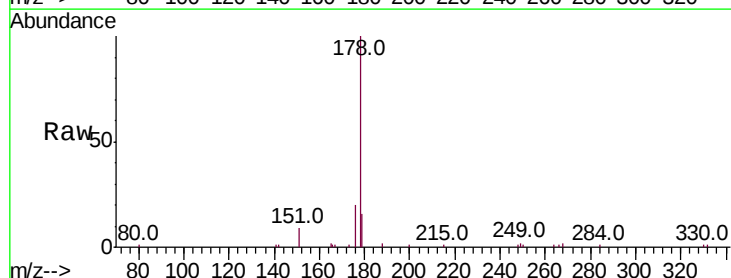
Tgt Ion:178 Resp: 6736

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

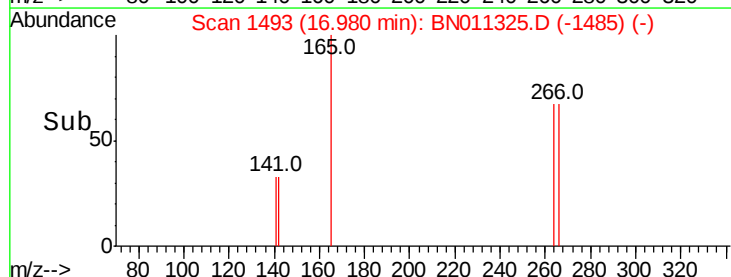
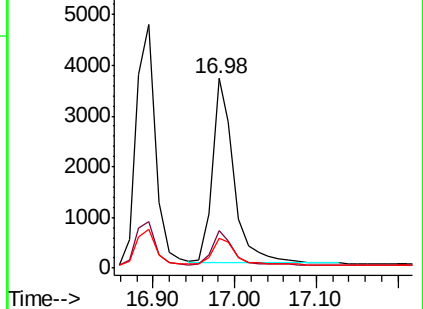
179 15.3 12.1 18.1

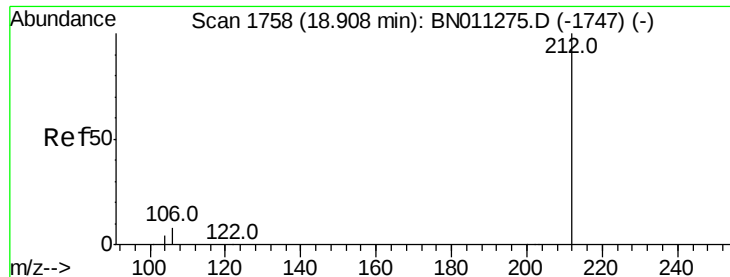


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

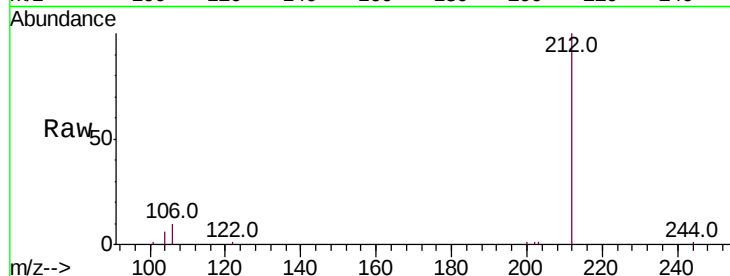




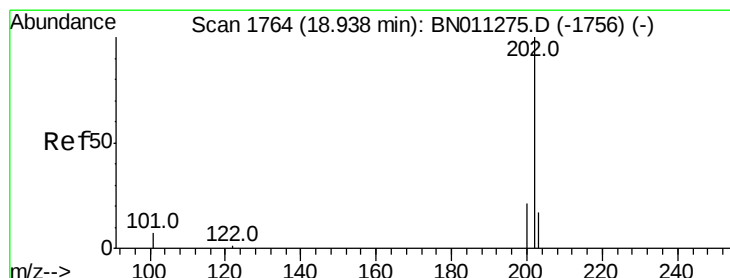
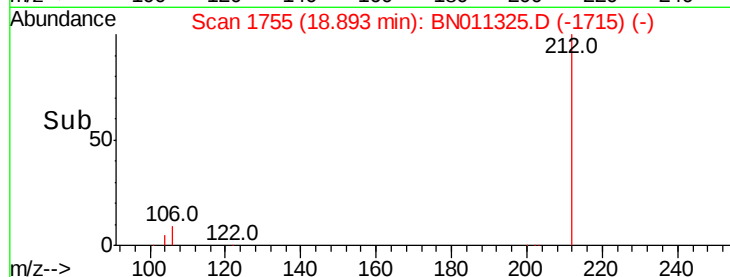
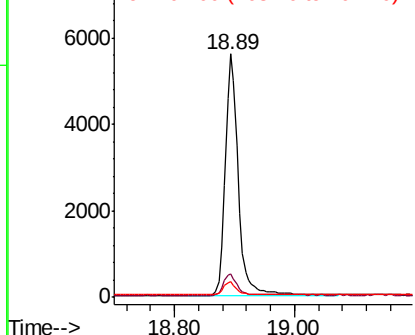
#27  
 Fluoranthene-d10  
 Concen: 0.336 ng  
 RT: 18.89 min Scan# 1755  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130596BS

Tot Ion:212 Resp: 8409  
 Ion Ratio Lower Upper  
 212 100  
 106 9.0 6.9 10.3  
 104 5.3 4.2 6.2

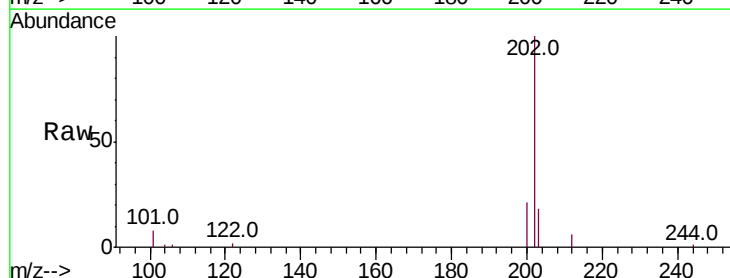


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

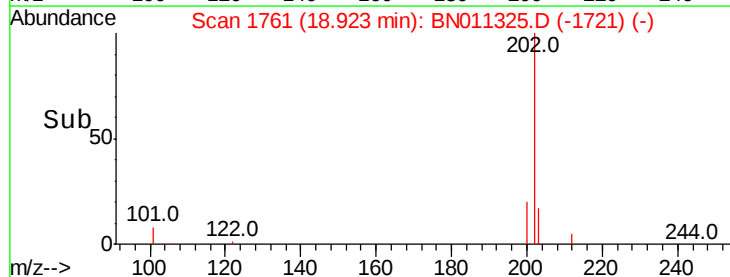
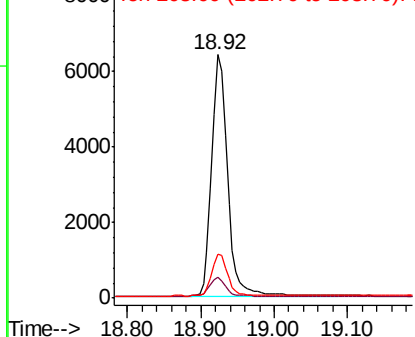


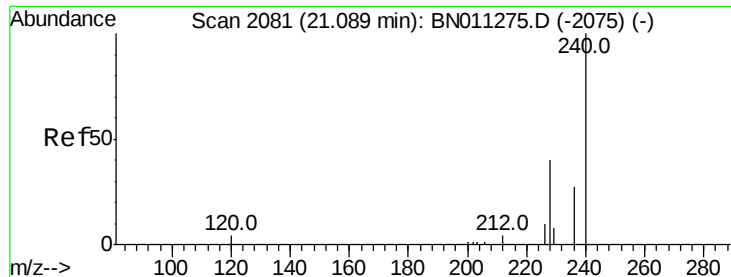
#28  
 Fluoranthene  
 Concen: 0.317 ng  
 RT: 18.92 min Scan# 1761  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Tgt Ion:202 Resp: 9606  
 Ion Ratio Lower Upper  
 202 100  
 101 7.5 5.9 8.9  
 203 17.4 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.07 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

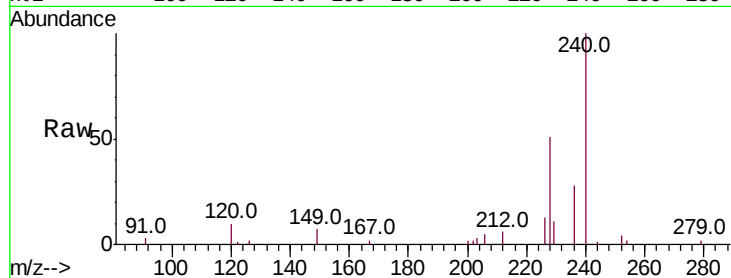
Tot Ion:240 Resp: 8548

Ion Ratio Lower Upper

240 100

120 10.1 5.8 8.8#

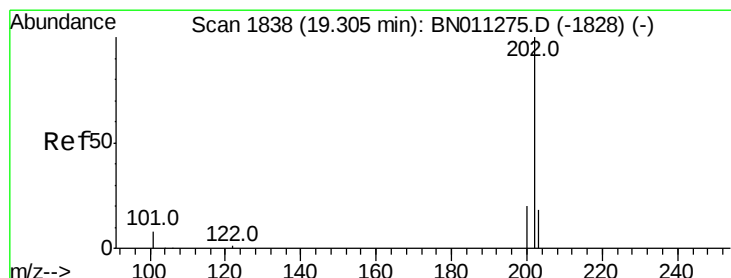
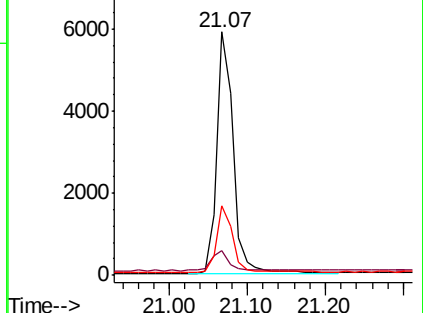
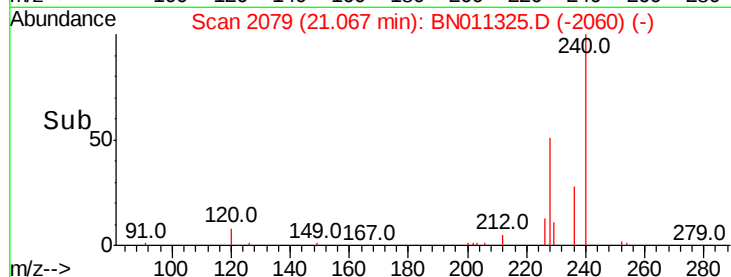
236 28.4 22.7 34.1



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: 0.249 ng

RT: 19.29 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

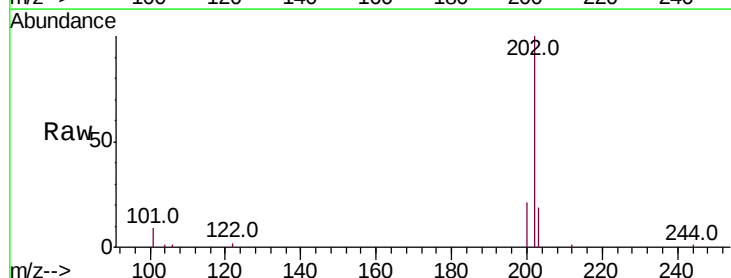
Tgt Ion:202 Resp: 9587

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

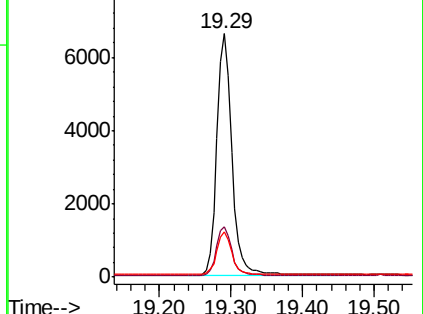
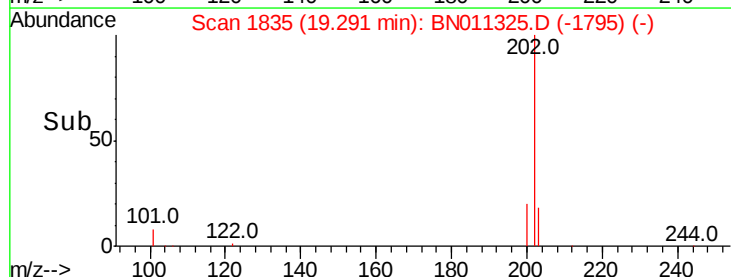
203 18.2 14.1 21.1

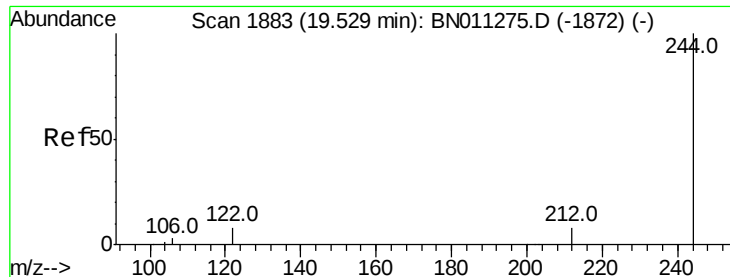


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.361 ng

RT: 19.51 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

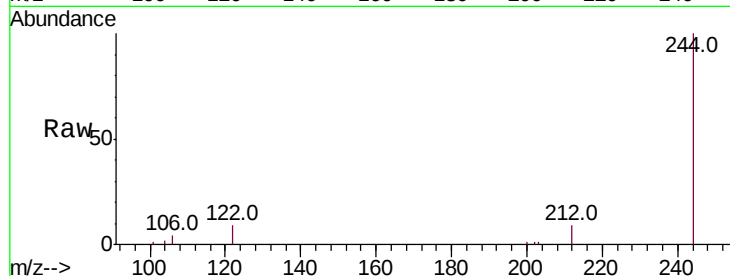
Tot Ion:244 Resp: 9336

Ion Ratio Lower Upper

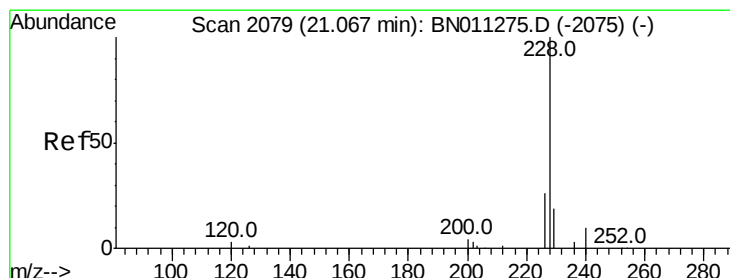
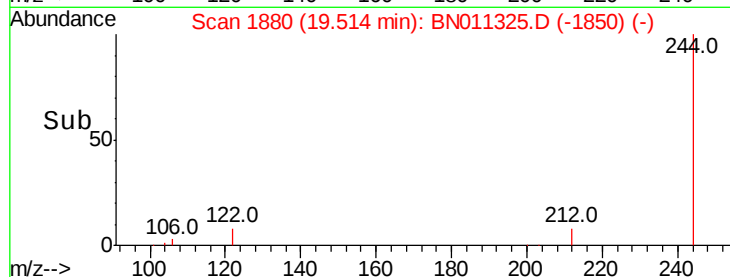
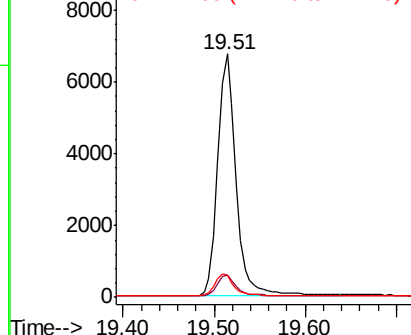
244 100

212 9.1 7.6 11.4

122 9.2 7.5 11.3



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 0.322 ng

RT: 21.06 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

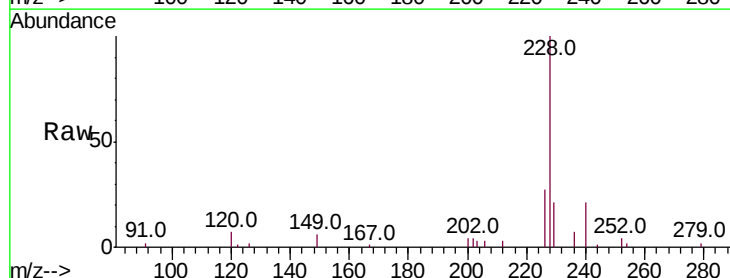
Tgt Ion:228 Resp: 9233

Ion Ratio Lower Upper

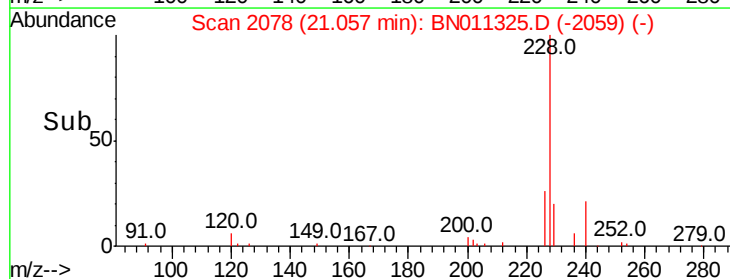
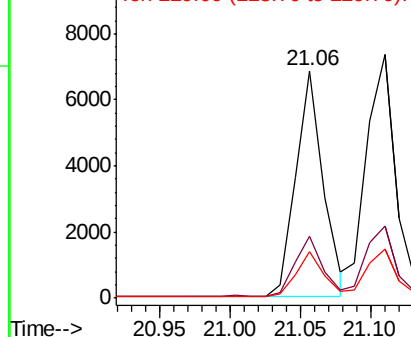
228 100

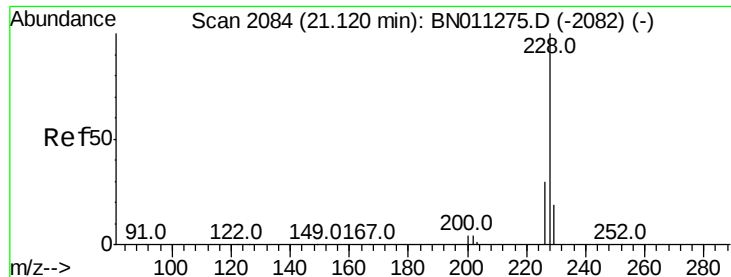
226 27.0 21.6 32.4

229 20.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.332 ng

RT: 21.11 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

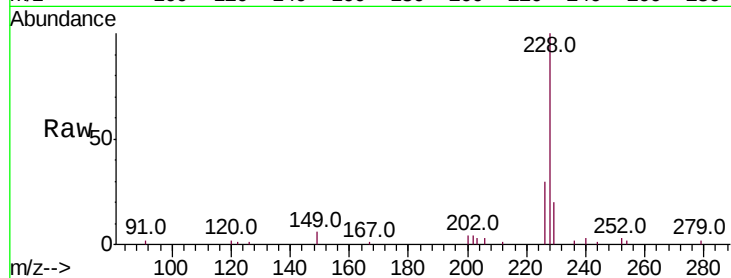
Tot Ion:228 Resp: 10663

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

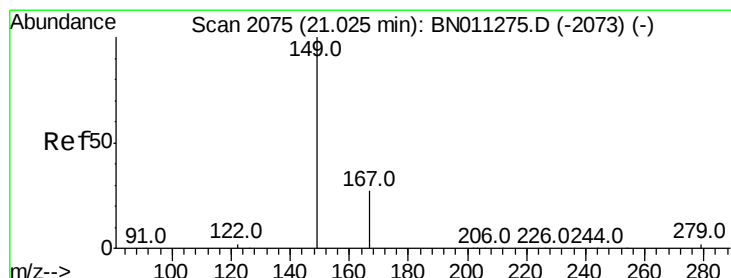
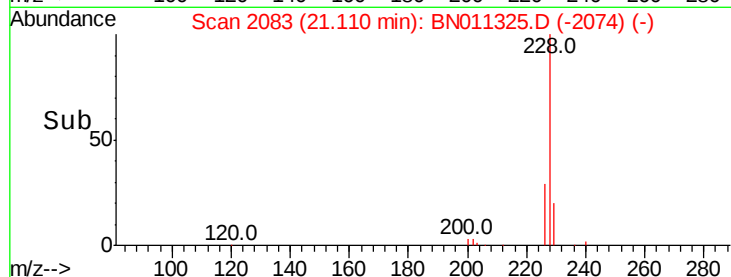
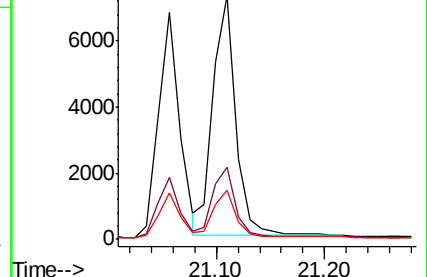
229 20.3 15.9 23.9



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: 0.248 ng

RT: 21.01 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

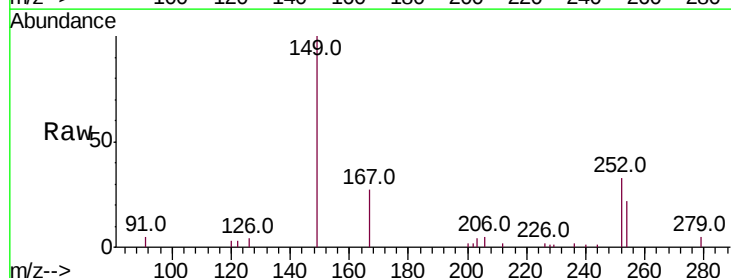
Tgt Ion:149 Resp: 3805

Ion Ratio Lower Upper

149 100

167 27.3 21.7 32.5

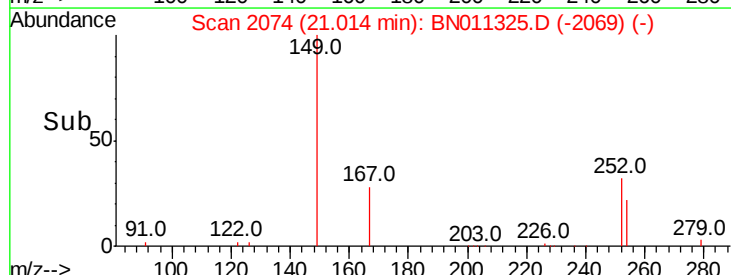
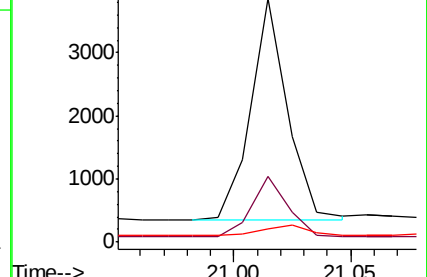
279 5.3 3.9 5.9

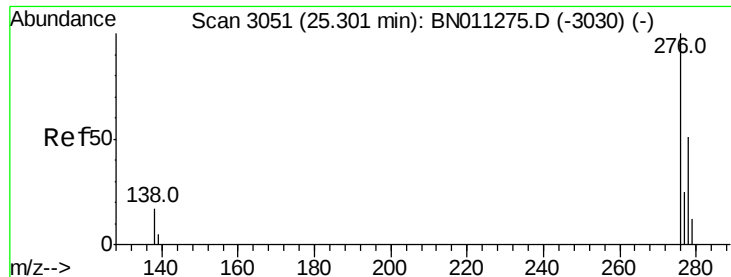


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

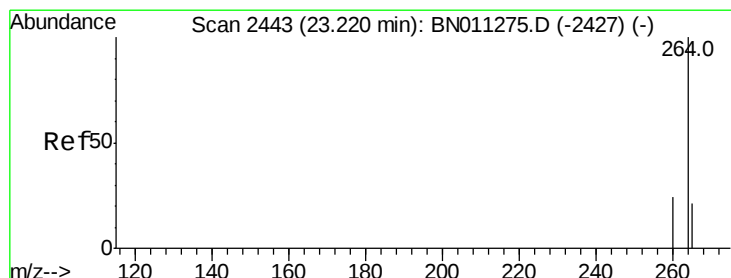
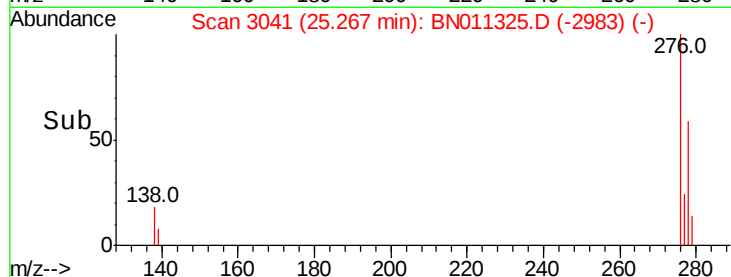
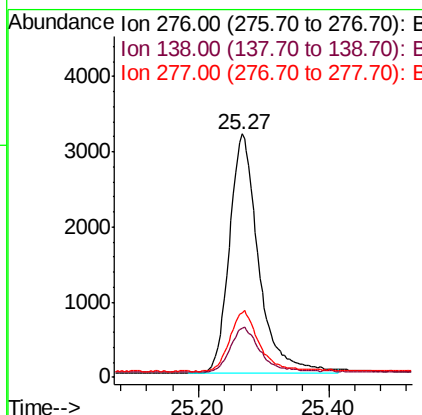
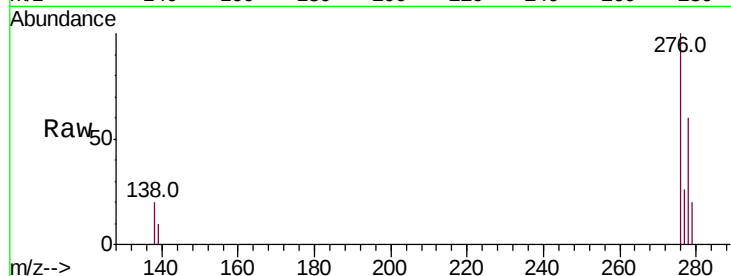




#35  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.320 ng  
 RT: 25.27 min Scan# 3041  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

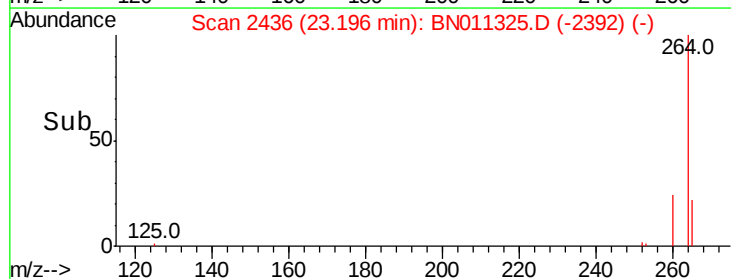
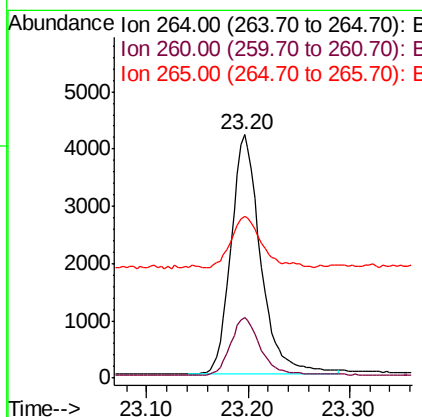
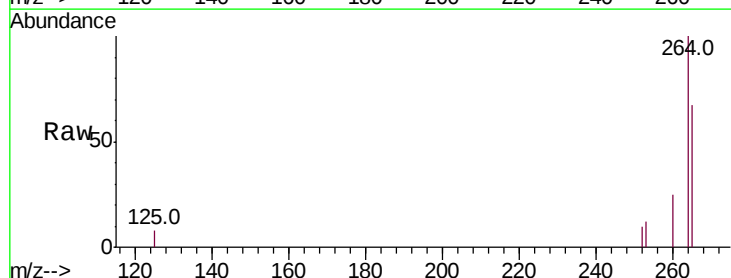
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130596BS

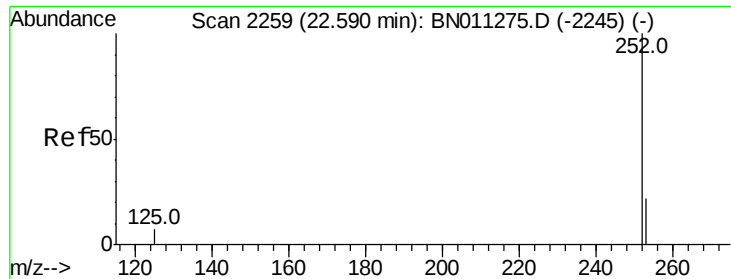
Tot Ion:276 Resp: 10035  
 Ion Ratio Lower Upper  
 276 100  
 138 18.4 13.6 20.4  
 277 25.6 19.7 29.5



#36  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.20 min Scan# 2436  
 Delta R.T. 0.00 min  
 Lab File: BN011325.D  
 Acq: 31 Jul 2020 13:29

Tgt Ion:264 Resp: 8516  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 20.1 30.1  
 265 66.5 70.7 106.1#





#37

Benzo(b)fluoranthene

Concen: 0.303 ng

RT: 22.57 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

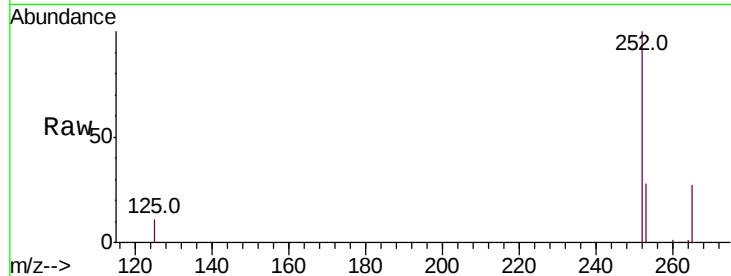
Tot Ion:252 Resp: 10294

Ion Ratio Lower Upper

252 100

253 27.7 23.1 34.7

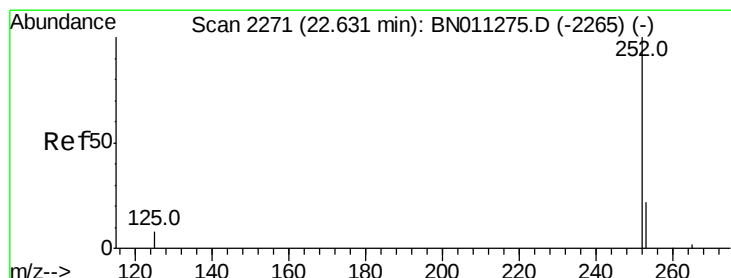
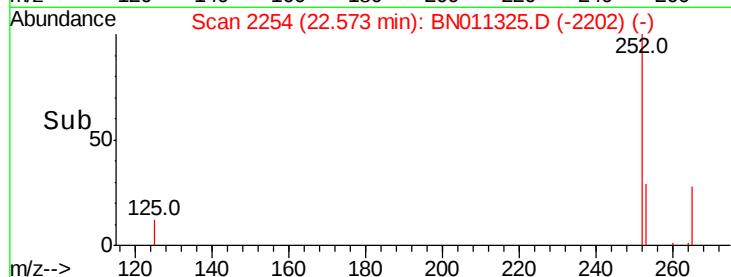
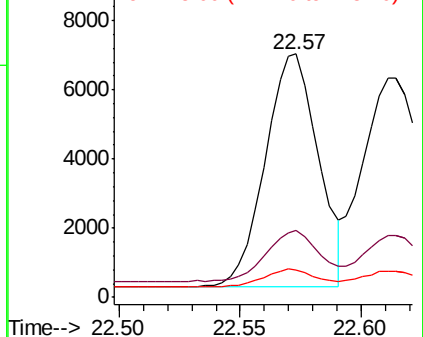
125 11.3 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(k)fluoranthene

Concen: 0.303 ng

RT: 22.61 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

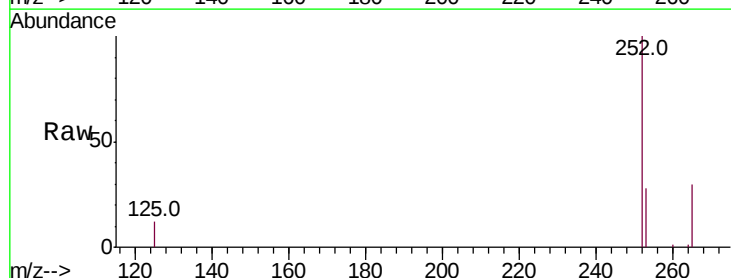
Tgt Ion:252 Resp: 11333

Ion Ratio Lower Upper

252 100

253 28.1 22.9 34.3

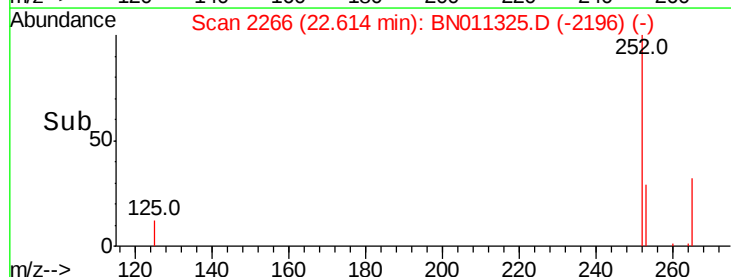
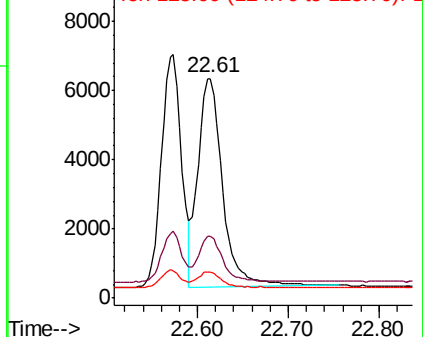
125 11.9 11.3 16.9

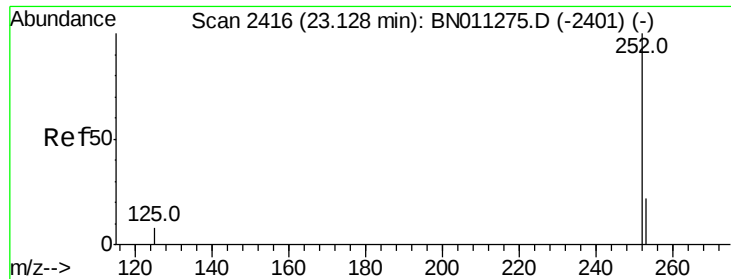


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.299 ng

RT: 23.10 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

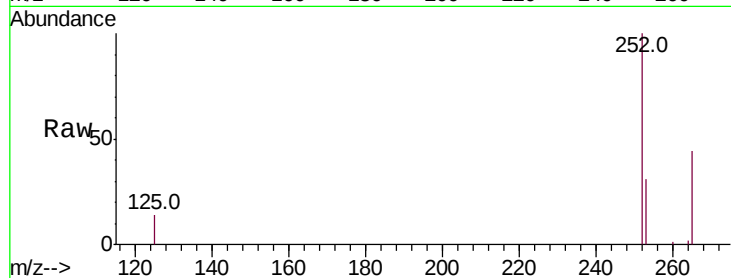
Tot Ion:252 Resp: 8810

Ion Ratio Lower Upper

252 100

253 30.8 26.6 39.8

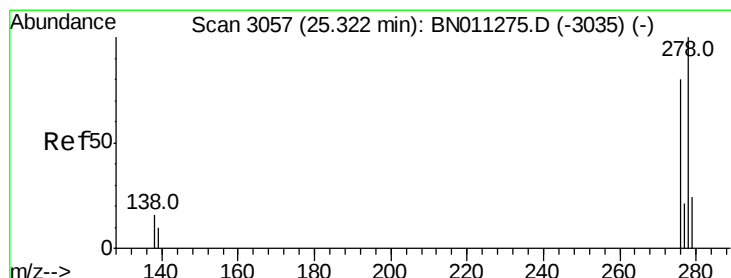
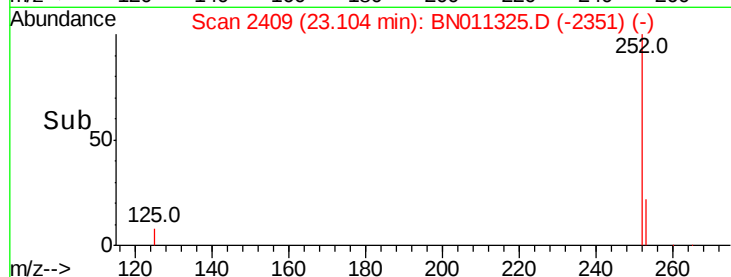
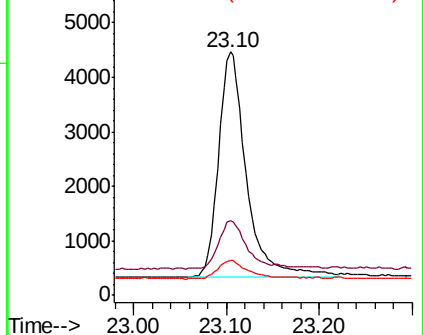
125 14.2 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#40

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 25.28 min Scan# 3045

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

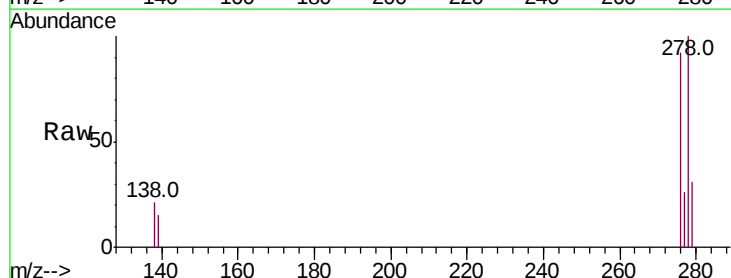
Tgt Ion:278 Resp: 8164

Ion Ratio Lower Upper

278 100

139 14.6 12.4 18.6

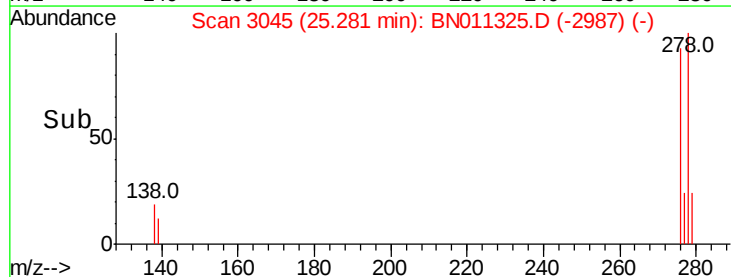
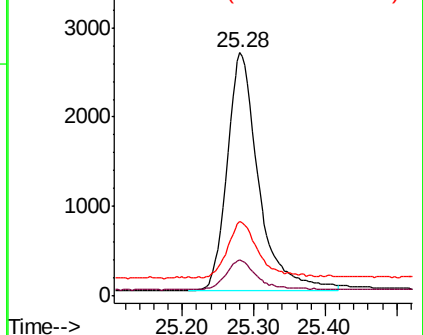
279 30.9 25.8 38.6

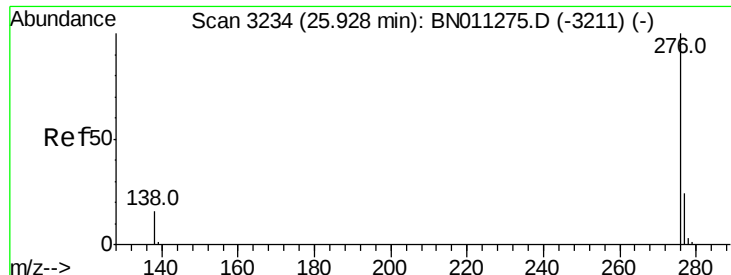


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.275 ng

RT: 25.89 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BN011325.D

Acq: 31 Jul 2020 13:29

Instrument :

BNA\_N

ClientSampleId :

PB130596BS

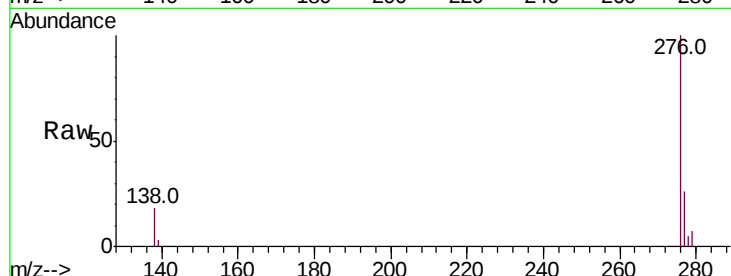
Tot Ion:276 Resp: 9286

Ion Ratio Lower Upper

276 100

277 25.8 21.0 31.6

138 17.7 15.0 22.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

