

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031820\  
 Data File : BN010281.D  
 Acq On : 19 Mar 2020 01:44  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 19 02:15:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 02:17:23 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 3875     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 13408    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.25 | 164  | 8055     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.99 | 188  | 19406    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.17 | 240  | 20041    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.35 | 264  | 22512    | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.25  | 112 | 3026  | 0.33 | ng | -0.02 |
| 5) Phenol-d6                | 6.80  | 99  | 3739  | 0.33 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.76  | 82  | 3181  | 0.40 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 8459  | 0.38 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330 | 1089  | 0.38 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 12780 | 0.45 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 22028 | 0.37 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.63 | 244 | 17780 | 0.39 | ng | -0.02 |

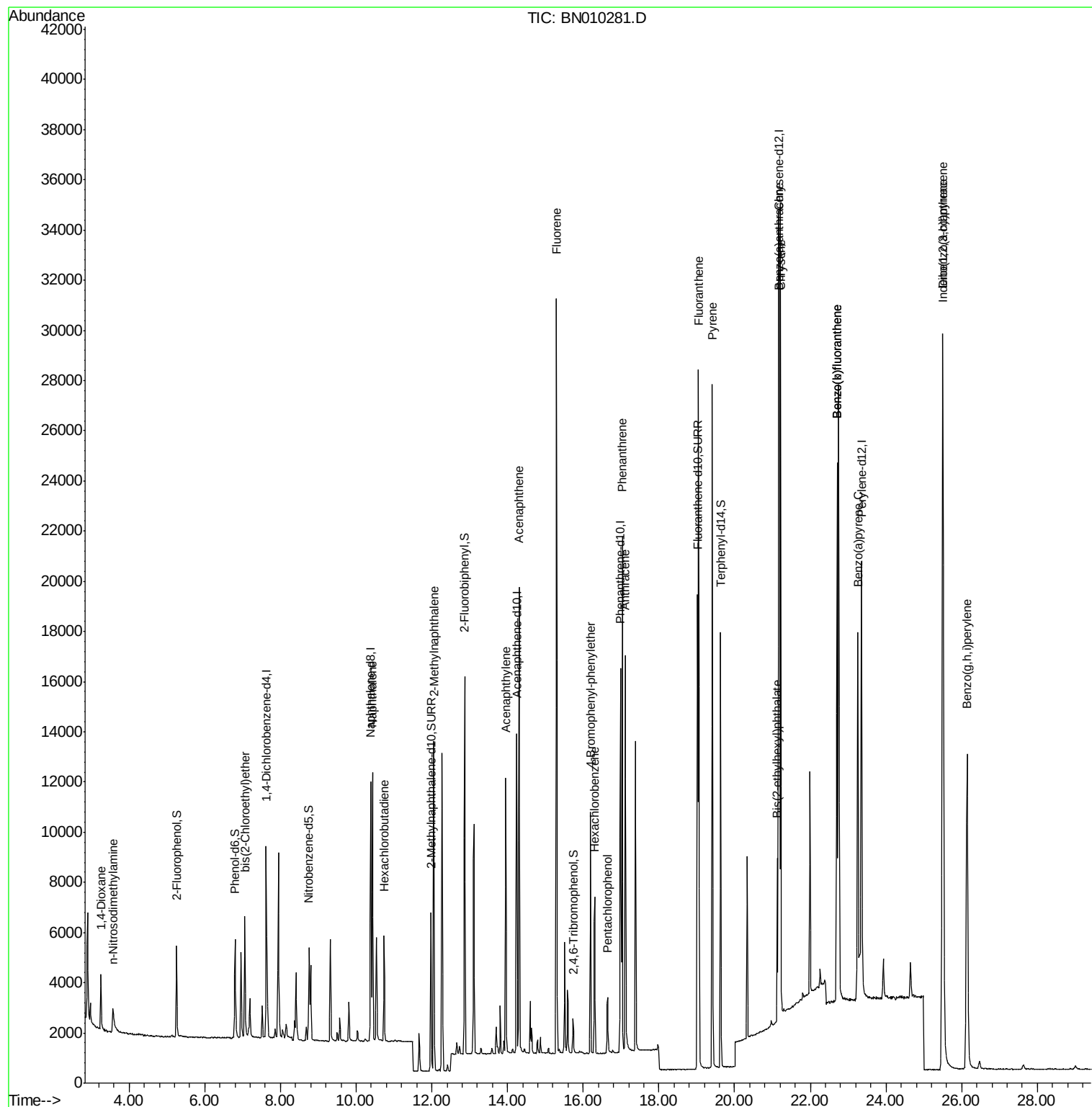
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.26  | 88  | 1507  | 0.399  | ng | # 52 |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 1121  | 0.335  | ng | # 40 |
| 6) bis(2-Chloroethyl)ether     | 7.06  | 93  | 3782  | 0.399  | ng | 96   |
| 9) Naphthalene                 | 10.43 | 128 | 13309 | 0.396  | ng | 96   |
| 10) Hexachlorobutadiene        | 10.73 | 225 | 3331  | 0.431  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 12.05 | 142 | 9239  | 0.383  | ng | 94   |
| 16) Acenaphthylene             | 13.96 | 152 | 12024 | 0.323  | ng | 99   |
| 17) Acenaphthene               | 14.30 | 154 | 8957  | 0.397  | ng | 97   |
| 18) Fluorene                   | 15.29 | 166 | 11989 | 0.390  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.19 | 248 | 4525  | 0.406  | ng | # 92 |
| 21) Hexachlorobenzene          | 16.31 | 284 | 4888  | 0.449  | ng | 99   |
| 22) Pentachlorophenol          | 16.65 | 266 | 1288  | 0.383  | ng | 91   |
| 23) Phenanthrene               | 17.03 | 178 | 20749 | 0.403  | ng | 100  |
| 24) Anthracene                 | 17.11 | 178 | 16920 | 0.330  | ng | 99   |
| 26) Fluoranthene               | 19.05 | 202 | 25006 | 0.383  | ng | 99   |
| 28) Pyrene                     | 19.41 | 202 | 24933 | 0.372  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.16 | 228 | 23364 | 0.343  | ng | 99   |
| 31) Chrysene                   | 21.22 | 228 | 27722 | 0.413  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 6818  | 0.235  | ng | # 96 |
| 33) Indeno(1,2,3-cd)pyrene     | 25.49 | 276 | 34648 | 0.435  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.70 | 252 | 27261 | 0.394  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.70 | 252 | 27255 | 0.390  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.26 | 252 | 23179 | 0.355  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.51 | 278 | 28615 | 0.437  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 26.14 | 276 | 26525 | 0.405  | ng | 97   |

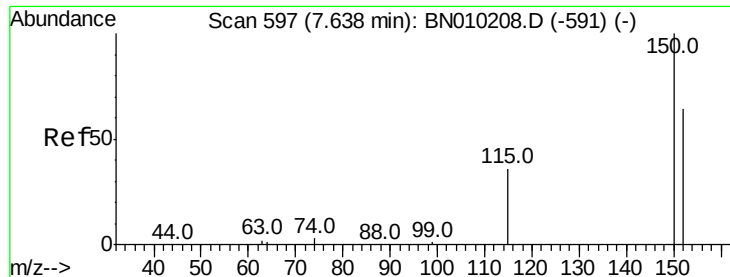
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031820\  
Data File : BN010281.D  
Acq On : 19 Mar 2020 01:44  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :

Quant Time: Mar 19 02:15:02 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 16 02:17:23 2020  
Response via : Initial Calibration



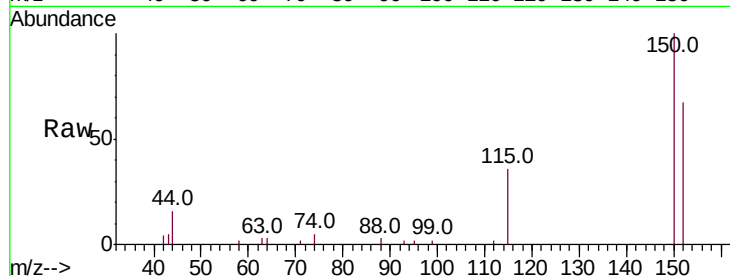


#1

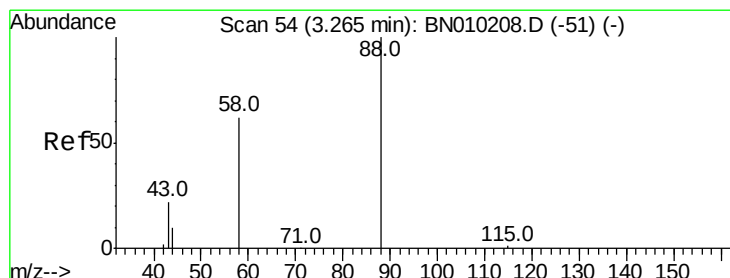
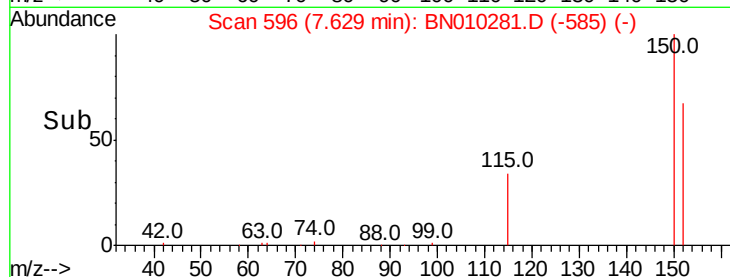
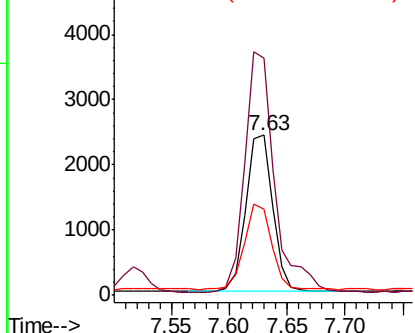
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.63 min Scan# 596  
Delta R.T. -0.01 min  
Lab File: BN010281.D  
Acq: 19 Mar 2020 01:44

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 3875  
Ion Ratio Lower Upper  
152 100  
150 148.8 119.5 179.3  
115 53.9 50.9 76.3



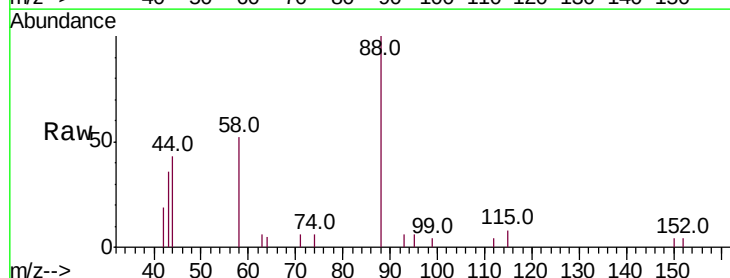
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



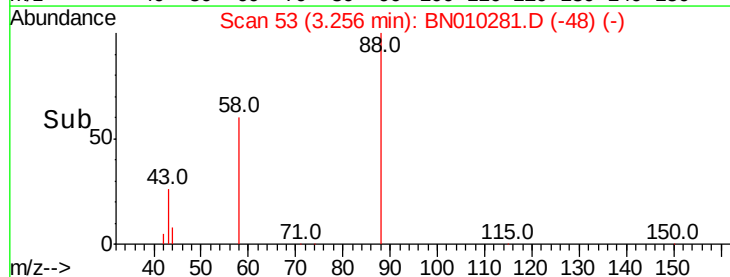
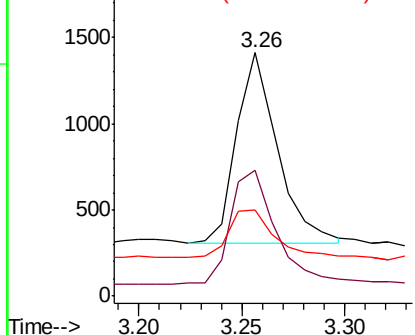
#2

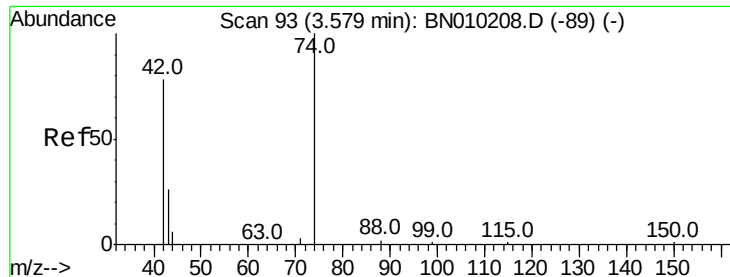
1,4-Dioxane  
Concen: 0.399 ng  
RT: 3.26 min Scan# 53  
Delta R.T. -0.01 min  
Lab File: BN010281.D  
Acq: 19 Mar 2020 01:44

Tgt Ion: 88 Resp: 1507  
Ion Ratio Lower Upper  
88 100  
58 64.9 97.8 146.8#  
43 27.1 45.1 67.7#



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: 0.335 ng

RT: 3.57 min Scan# 92

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

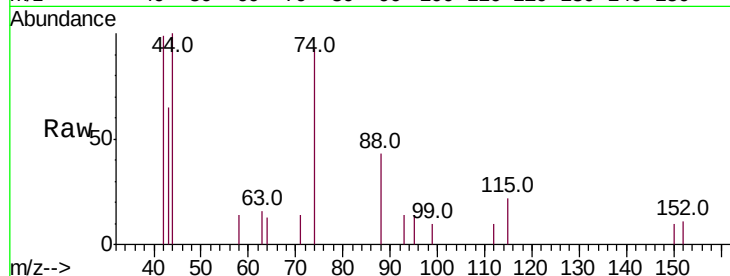
Tot Ion: 42 Resp: 1121

Ion Ratio Lower Upper

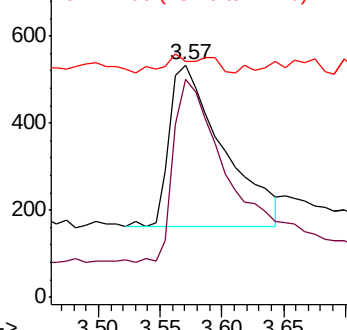
42 100

74 113.4 51.2 76.8#

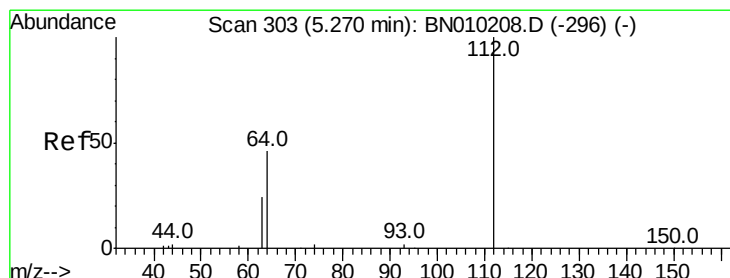
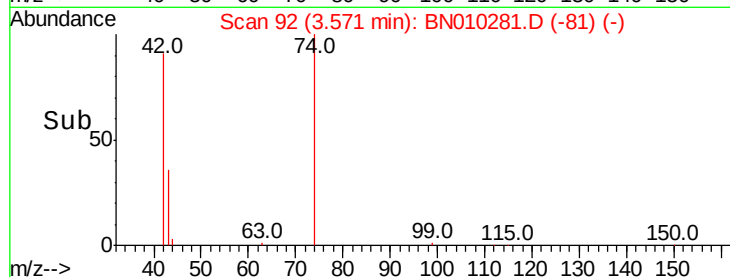
44 6.2 2.6 4.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



Time-->



#4

2-Fluorophenol

Concen: 0.333 ng

RT: 5.25 min Scan# 301

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

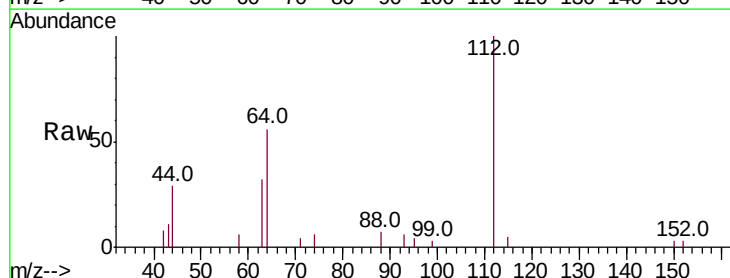
Tgt Ion: 112 Resp: 3026

Ion Ratio Lower Upper

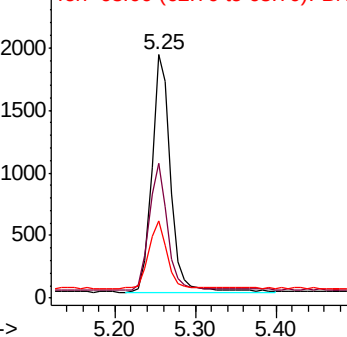
112 100

64 51.7 42.6 63.8

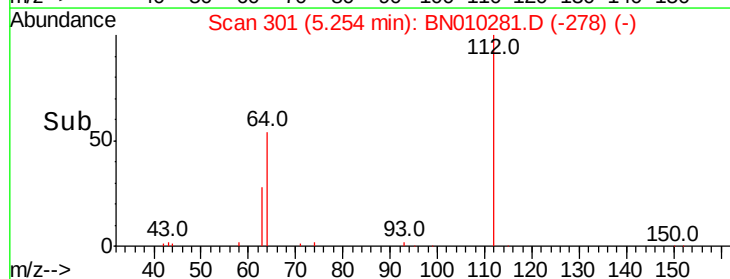
63 27.9 23.6 35.4

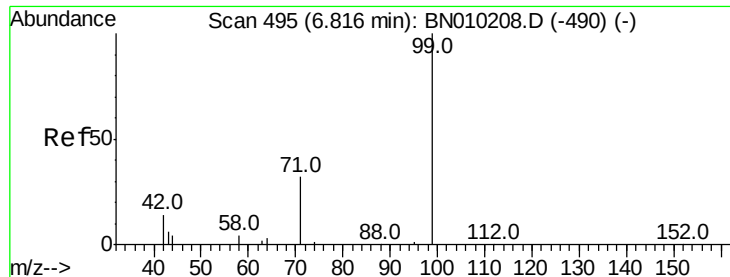


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0



Time-->





#5

Phenol-d6

Concen: 0.329 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

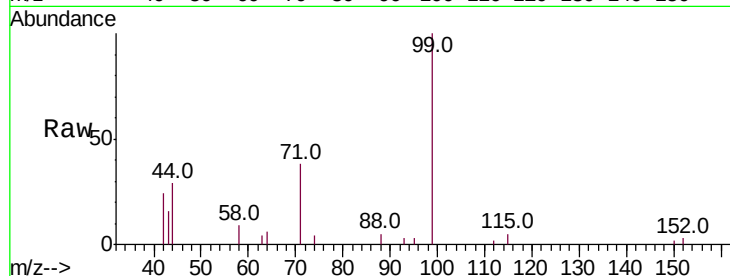
Tot Ion: 99 Resp: 3739

Ion Ratio Lower Upper

99 100

42 19.1 12.0 18.0#

71 35.5 22.6 33.8#

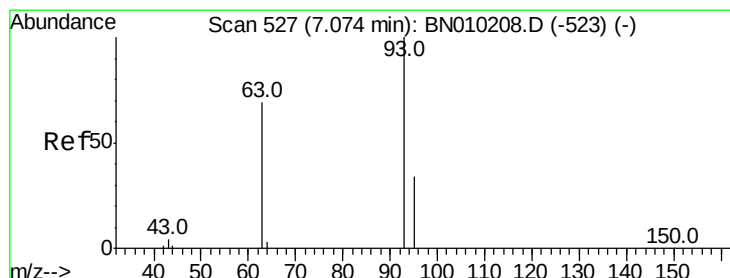
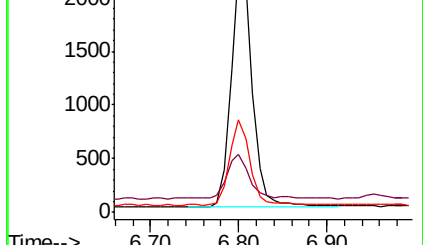
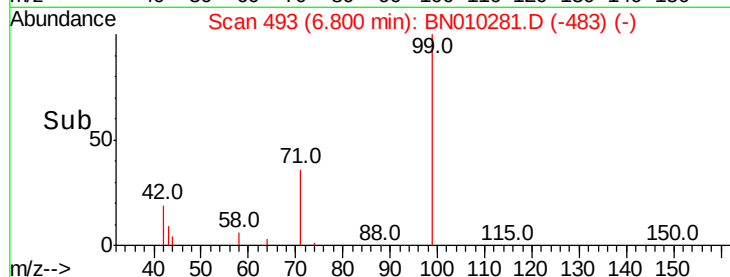


Abundance Ion 99.00 (98.70 to 99.70): BN010208.D (-490) (-)

Ion 42.00 (41.70 to 42.70): BN010208.D (-490) (-)

Ion 71.00 (70.70 to 71.70): BN010208.D (-490) (-)

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 7.06 min Scan# 525

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

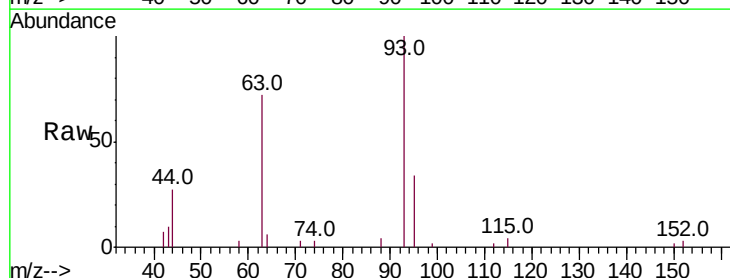
Tgt Ion: 93 Resp: 3782

Ion Ratio Lower Upper

93 100

63 68.7 53.4 80.0

95 32.5 28.6 42.8

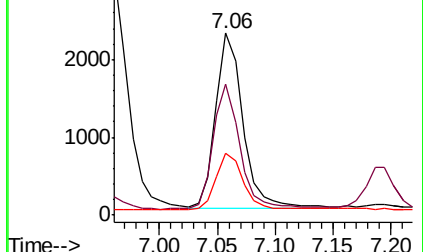
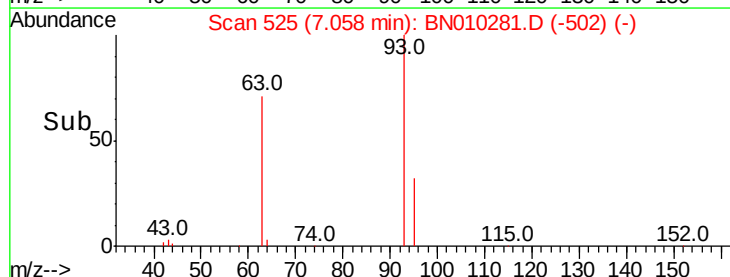


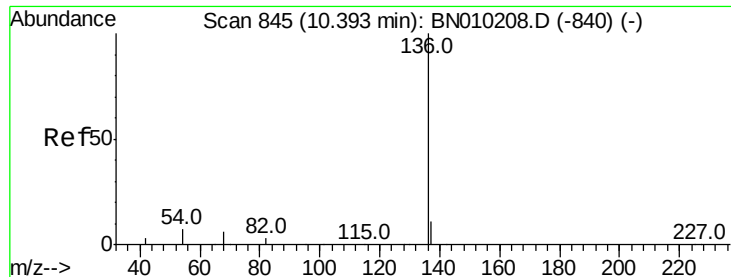
Abundance Ion 93.00 (92.70 to 93.70): BN010208.D (-523) (-)

Ion 63.00 (62.70 to 63.70): BN010208.D (-523) (-)

Ion 95.00 (94.70 to 95.70): BN010208.D (-523) (-)

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 13408

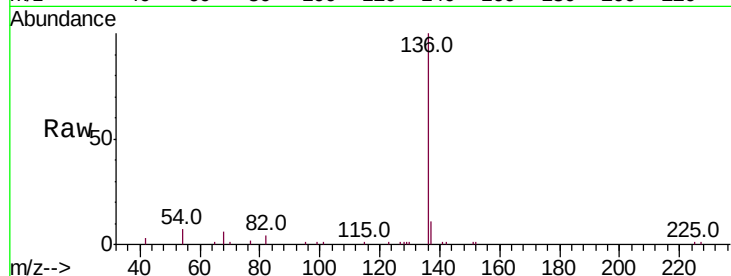
Ion Ratio Lower Upper

136 100

137 11.5 10.6 15.8

54 6.7 9.5 14.3#

68 5.7 9.7 14.5#

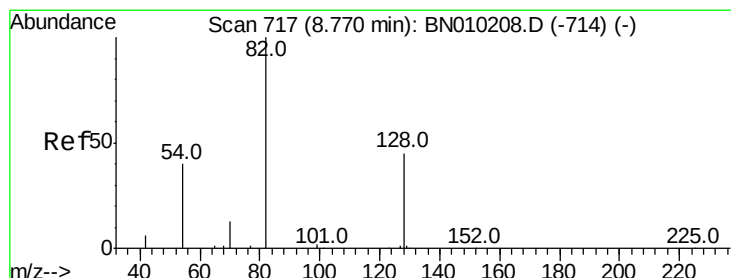
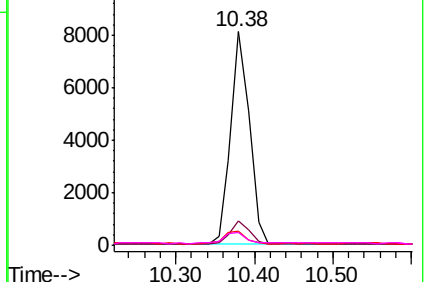
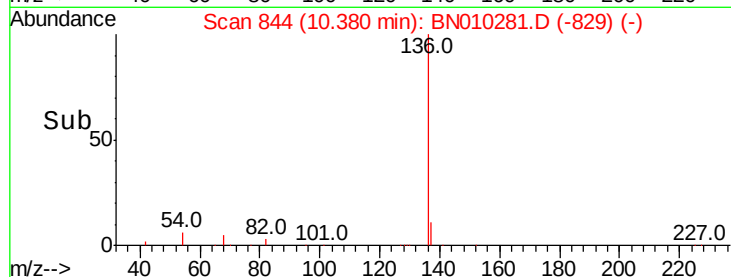


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.396 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

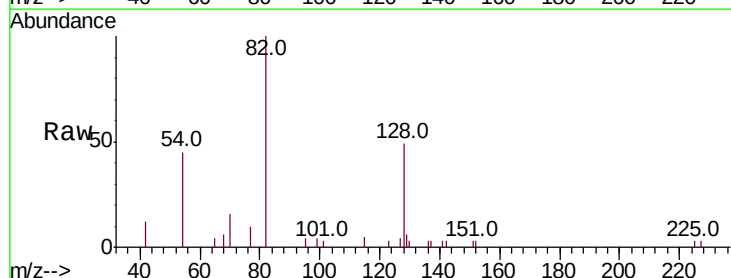
Tgt Ion: 82 Resp: 3181

Ion Ratio Lower Upper

82 100

128 48.9 35.0 52.6

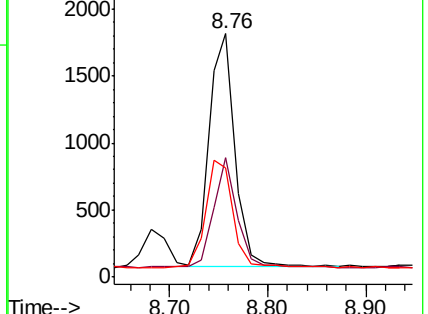
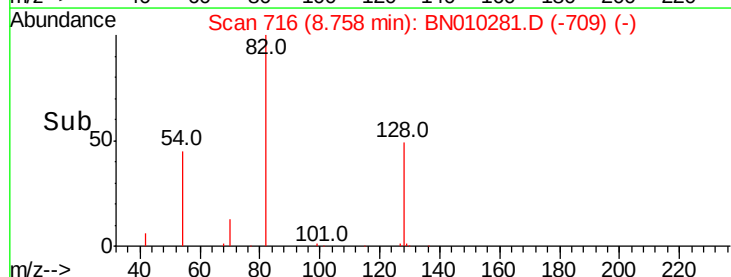
54 44.7 37.0 55.4

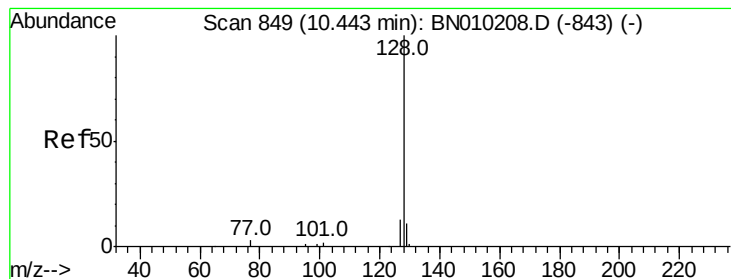


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.396 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampled :

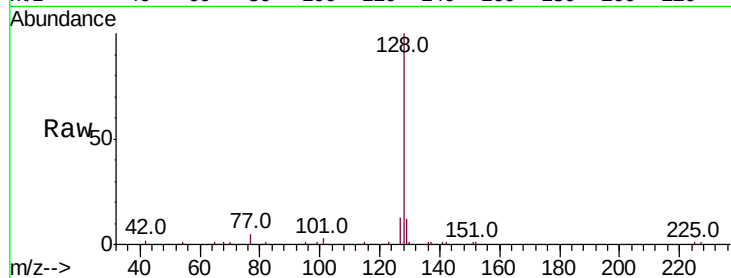
Tot Ion:128 Resp: 13309

Ion Ratio Lower Upper

128 100

129 11.5 10.5 15.7

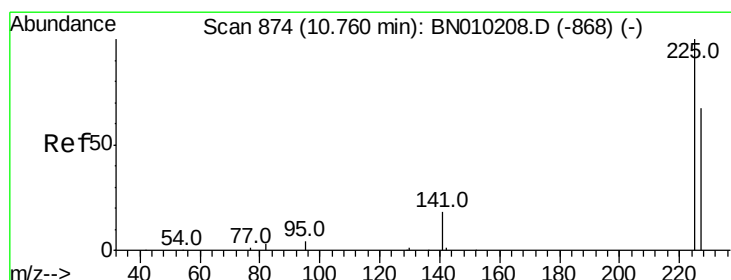
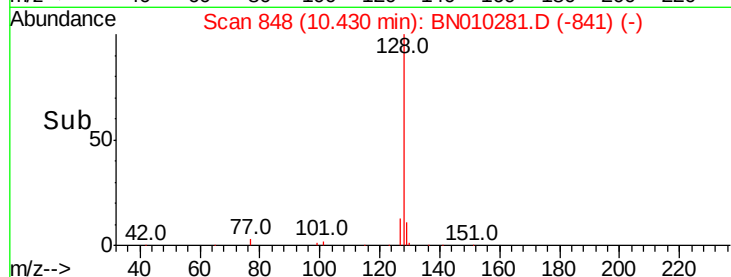
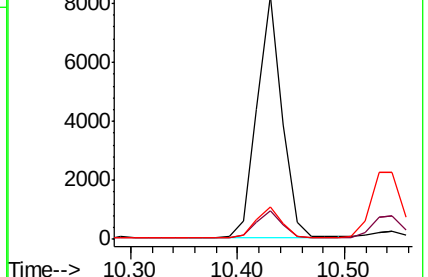
127 13.4 12.1 18.1



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: 0.431 ng

RT: 10.73 min Scan# 872

Delta R.T. -0.03 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

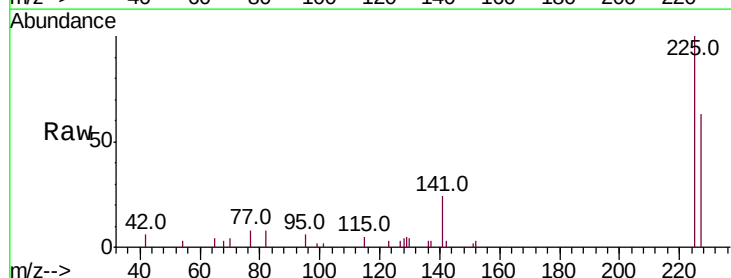
Tgt Ion:225 Resp: 3331

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

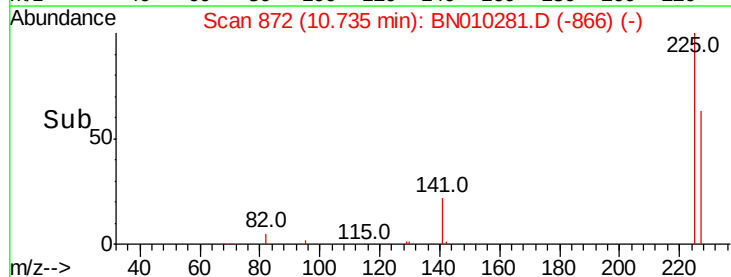
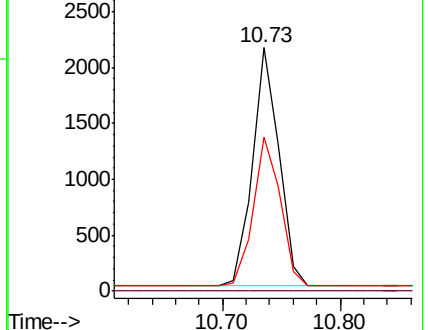
227 64.4 53.4 80.2

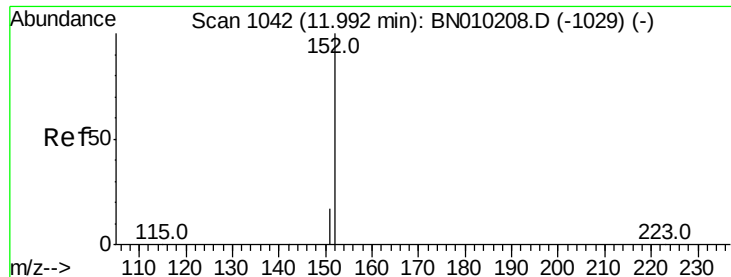


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

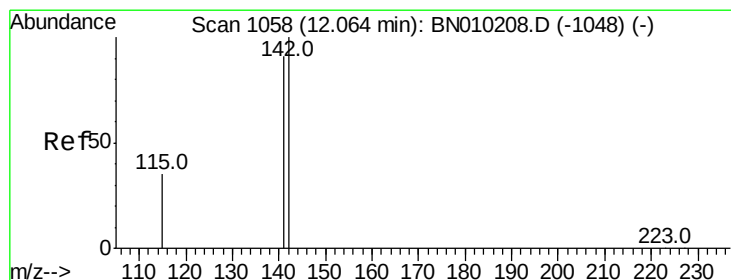
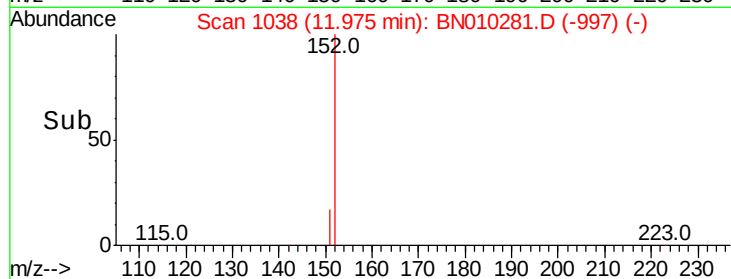
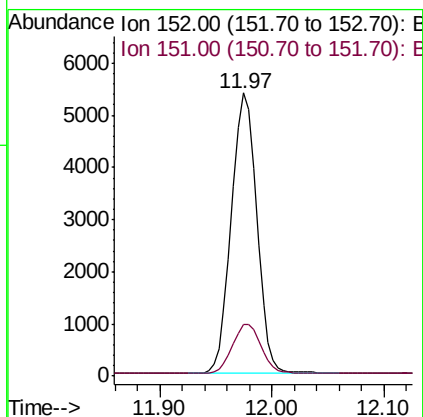
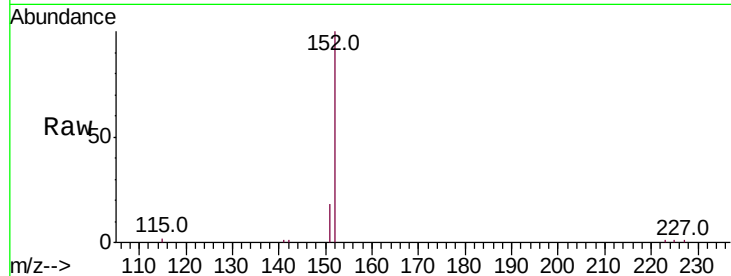




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.382 ng  
 RT: 11.97 min Scan# 1038  
 Delta R.T. -0.02 min  
 Lab File: BN010281.D  
 Acq: 19 Mar 2020 01:44

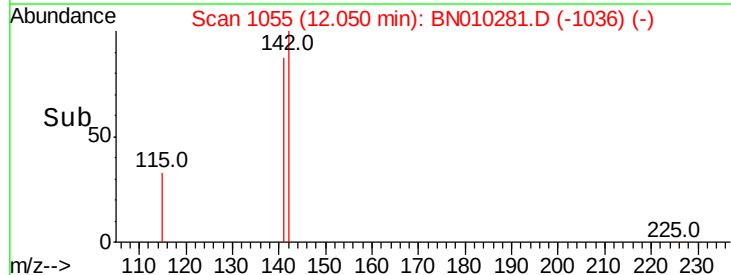
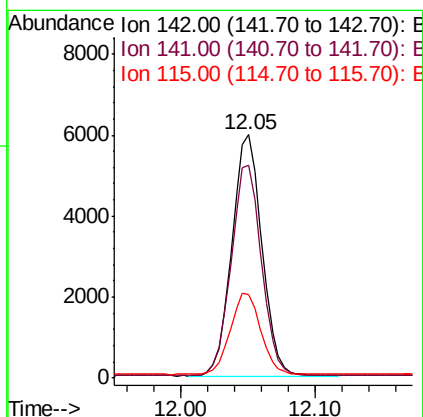
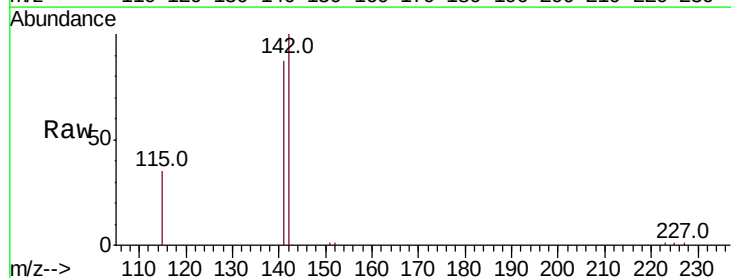
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:152 Resp: 8459  
 Ion Ratio Lower Upper  
 152 100  
 151 19.6 15.0 22.6

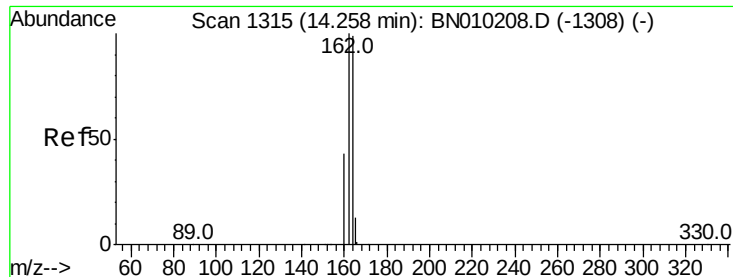


#12  
 2-Methylnaphthalene  
 Concen: 0.383 ng  
 RT: 12.05 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BN010281.D  
 Acq: 19 Mar 2020 01:44

Tgt Ion:142 Resp: 9239  
 Ion Ratio Lower Upper  
 142 100  
 141 87.4 73.7 110.5  
 115 34.5 31.2 46.8







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

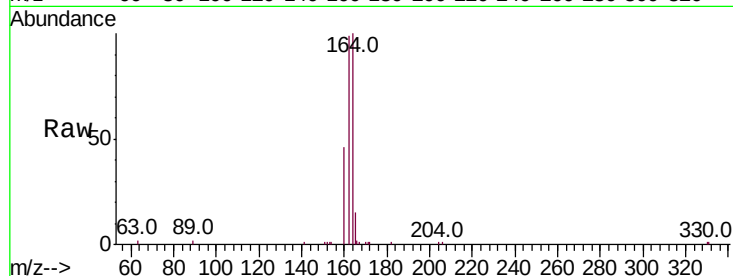
Tot Ion:164 Resp: 8055

Ion Ratio Lower Upper

164 100

162 98.8 81.0 121.4

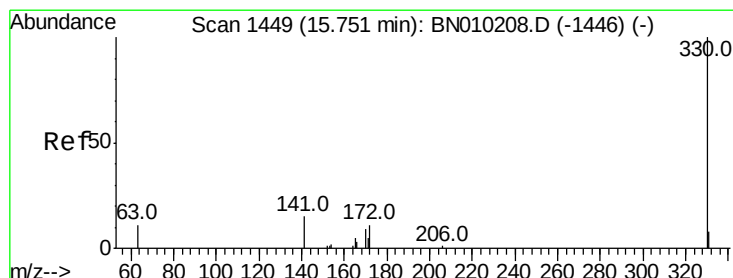
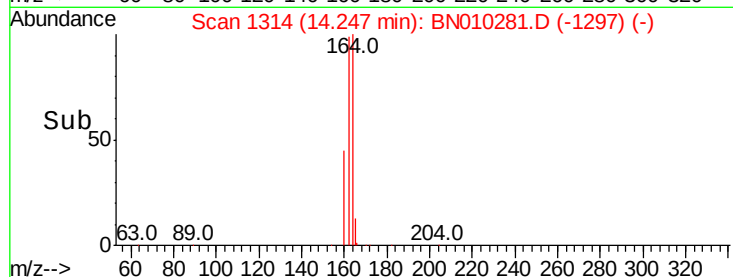
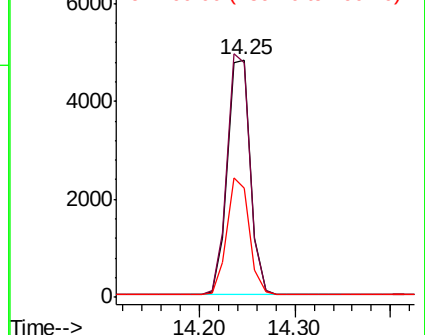
160 45.9 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.378 ng

RT: 15.73 min Scan# 1447

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

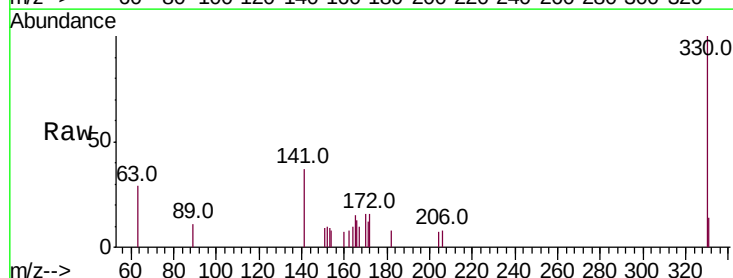
Tgt Ion:330 Resp: 1089

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

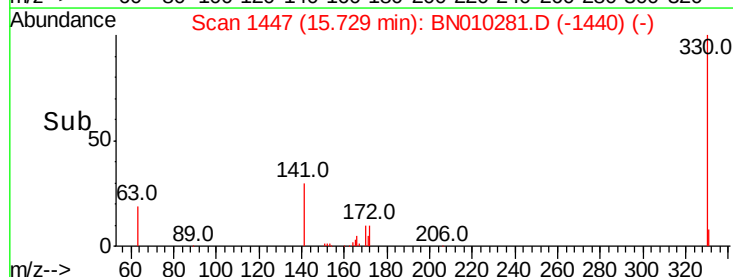
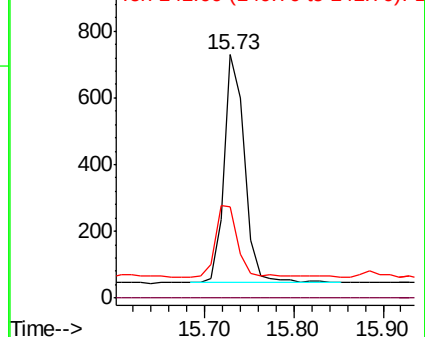
141 34.7 25.1 37.7

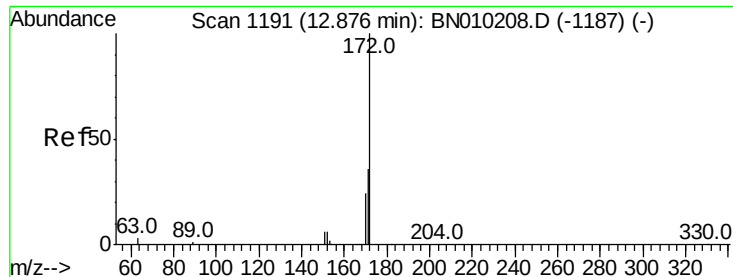


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

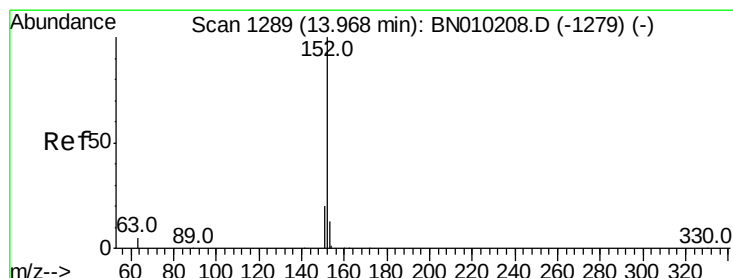
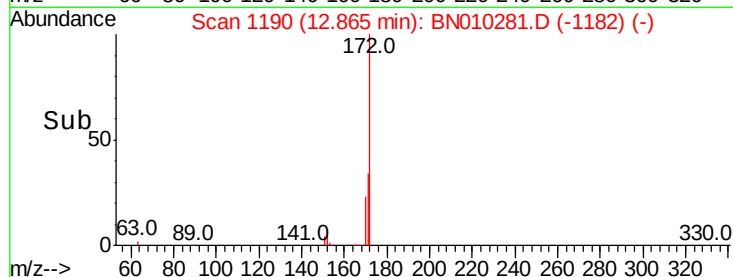
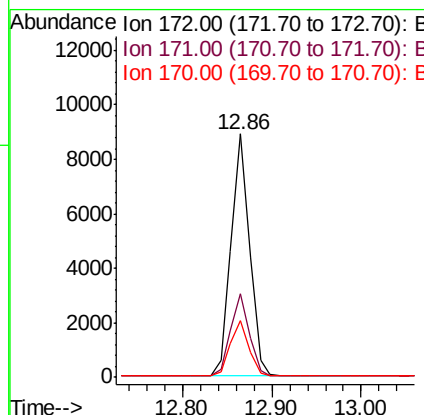
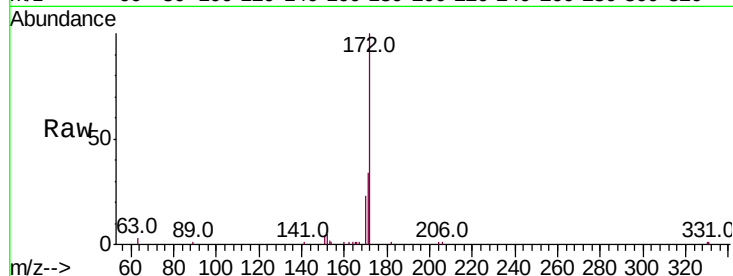




#15  
2-Fluorobiphenyl  
Concen: 0.446 ng  
RT: 12.86 min Scan# 1190  
Delta R.T. -0.01 min  
Lab File: BN010281.D  
Acq: 19 Mar 2020 01:44

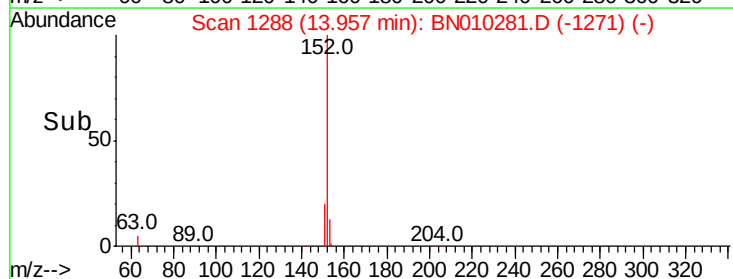
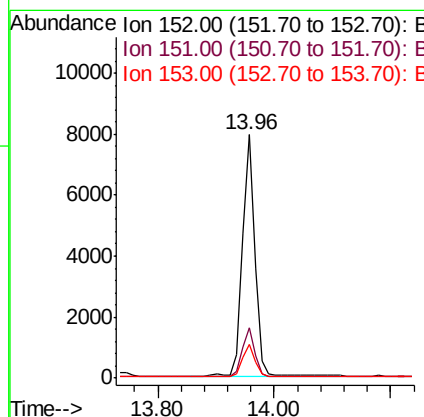
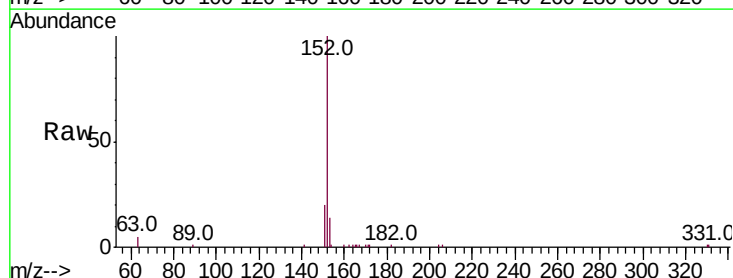
Instrument :  
BNA\_N  
ClientSampleId :

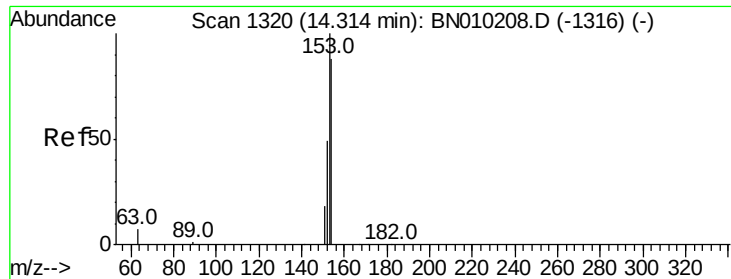
Tot Ion:172 Resp: 12780  
Ion Ratio Lower Upper  
172 100  
171 34.4 29.4 44.2  
170 23.1 20.2 30.4



#16  
Acenaphthylene  
Concen: 0.323 ng  
RT: 13.96 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BN010281.D  
Acq: 19 Mar 2020 01:44

Tgt Ion:152 Resp: 12024  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.8 23.6  
153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 0.397 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

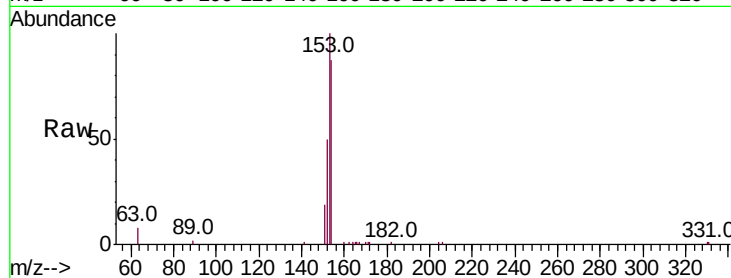
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:154 Resp: 8957

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 111.3 | 90.3  | 135.5 |
| 152 | 56.9  | 42.9  | 64.3  |

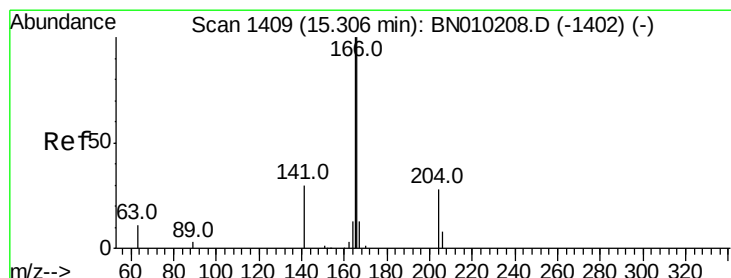
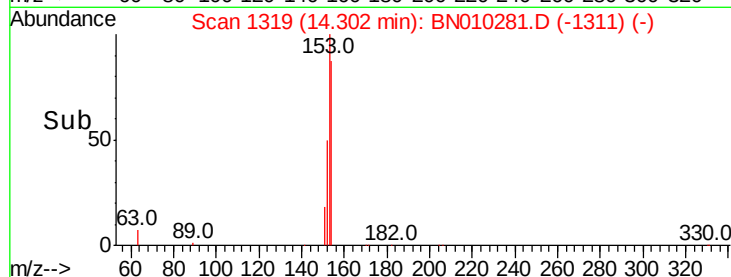
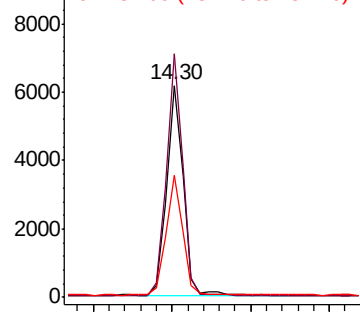


Abundance

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: 0.390 ng

RT: 15.29 min Scan# 1408

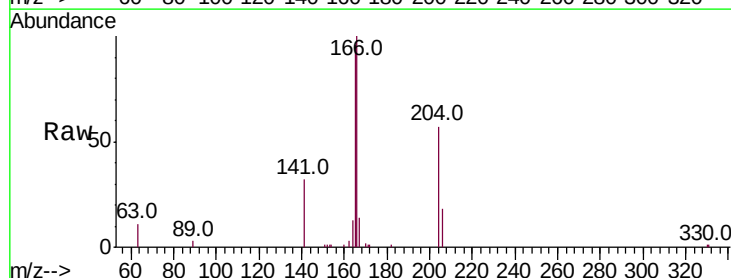
Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Tgt Ion:166 Resp: 11989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 96.4  | 78.3  | 117.5 |
| 167 | 13.3  | 10.7  | 16.1  |

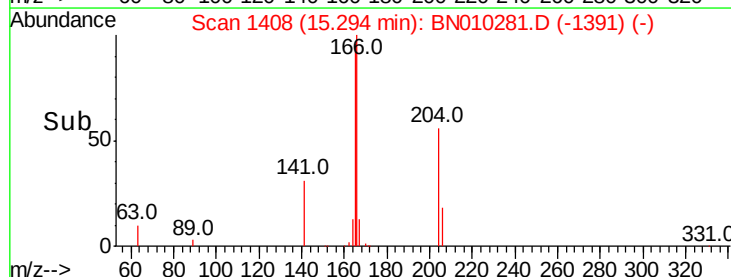
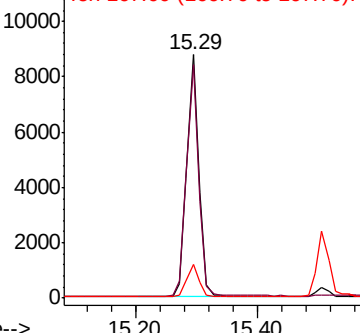


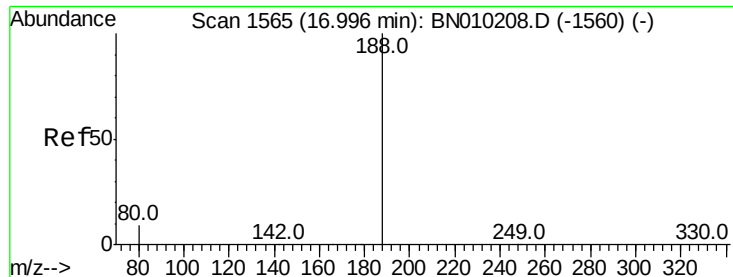
Abundance

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: 16.99 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

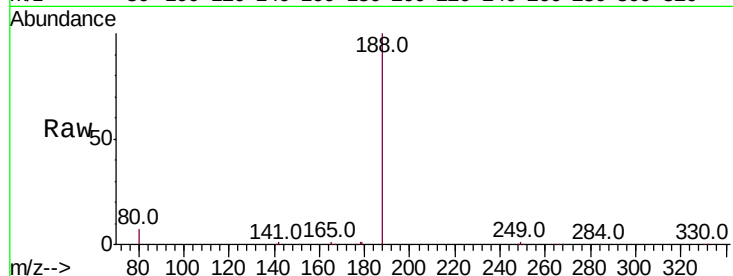
Tot Ion:188 Resp: 19406

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

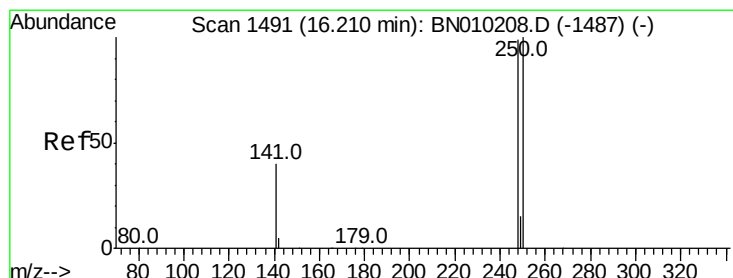
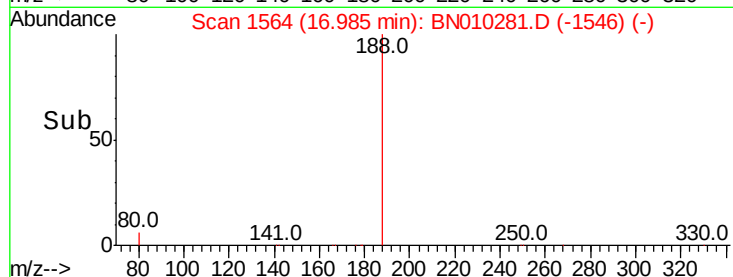
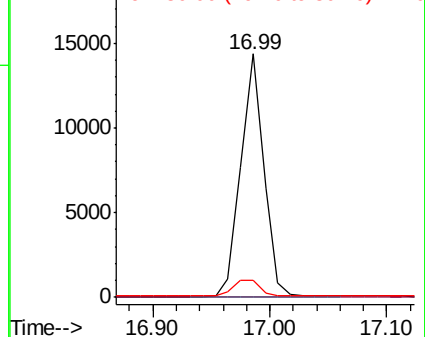
80 6.9 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.19 min Scan# 1489

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

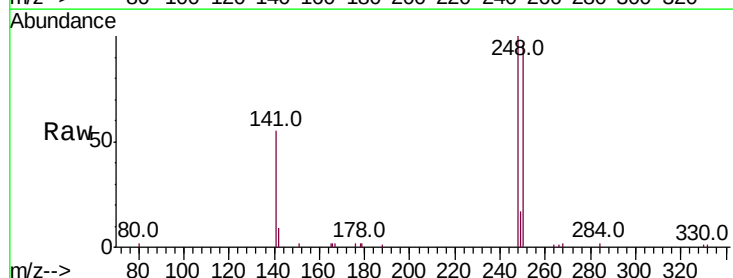
Tgt Ion:248 Resp: 4525

Ion Ratio Lower Upper

248 100

250 96.2 81.2 121.8

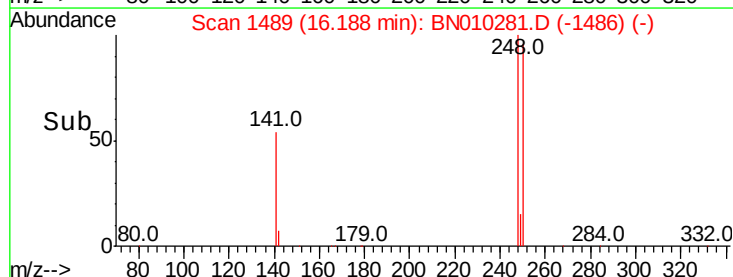
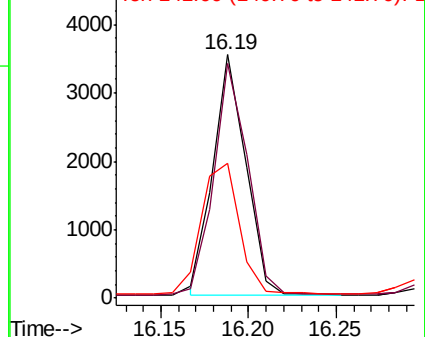
141 55.3 36.7 55.1#

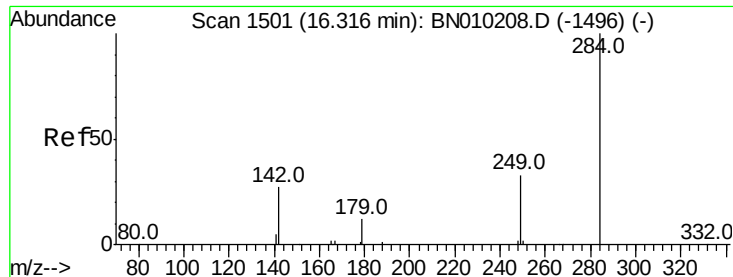


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.449 ng

RT: 16.31 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampled :

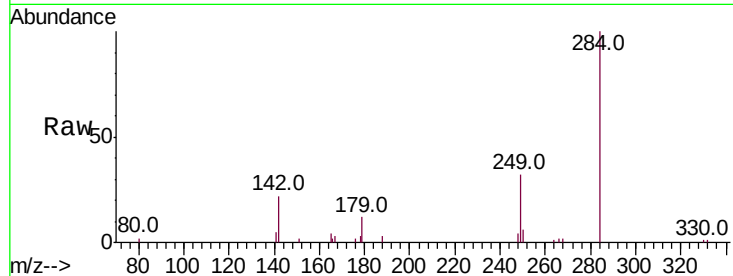
Tot Ion:284 Resp: 4888

Ion Ratio Lower Upper

284 100

142 33.6 27.8 41.6

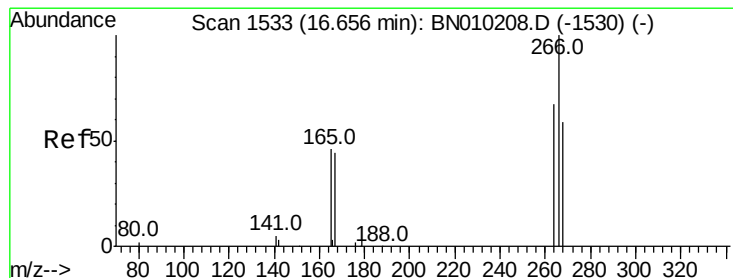
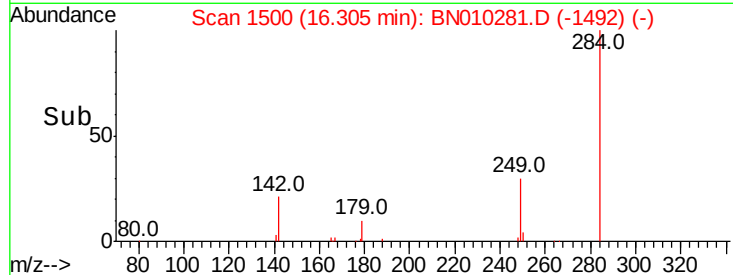
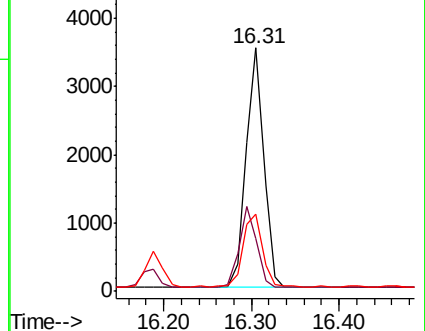
249 33.3 26.6 39.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.383 ng

RT: 16.65 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

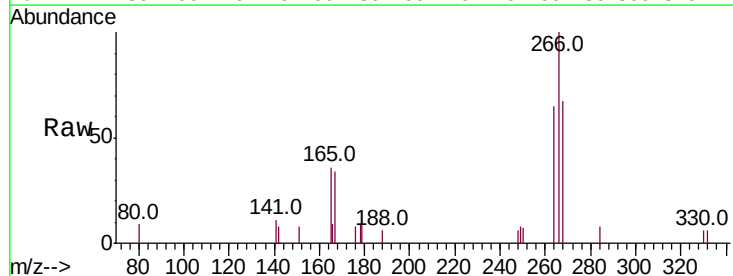
Tgt Ion:266 Resp: 1288

Ion Ratio Lower Upper

266 100

264 64.7 56.2 84.2

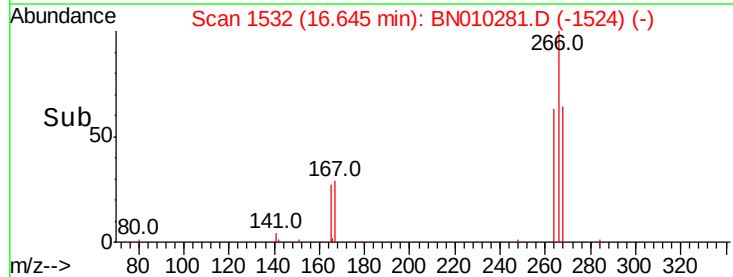
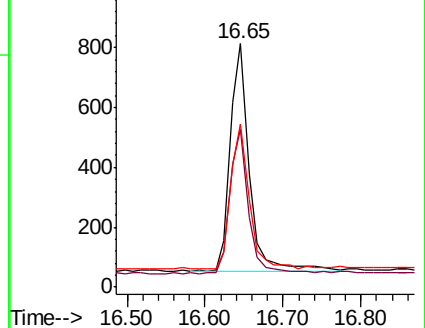
268 67.2 61.4 92.2

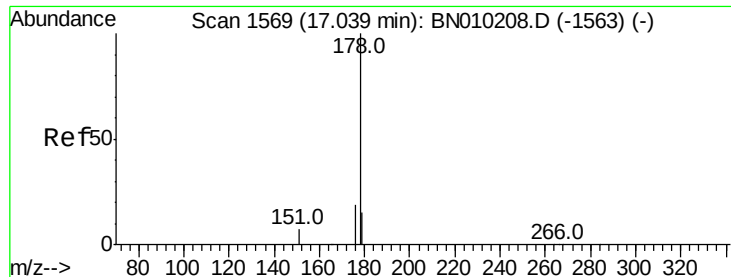


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.403 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

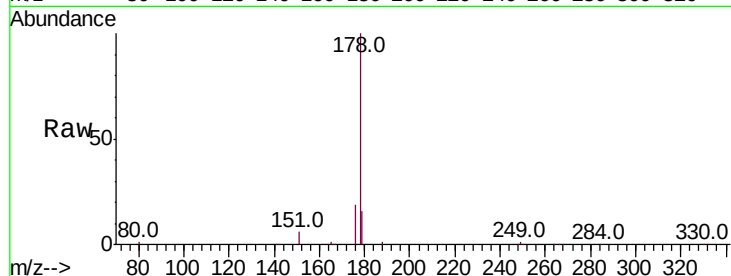
Tot Ion:178 Resp: 20749

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

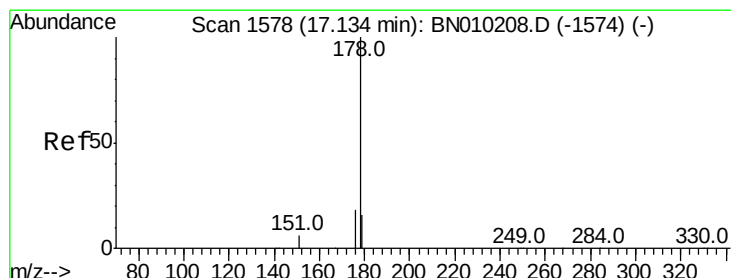
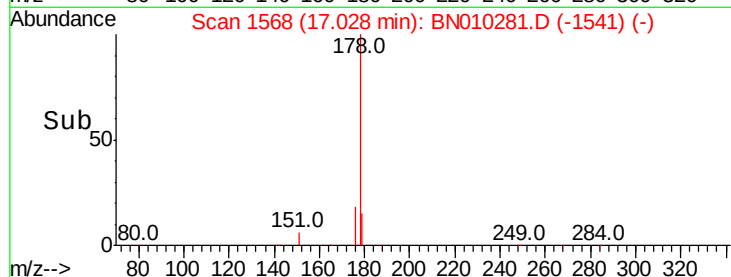
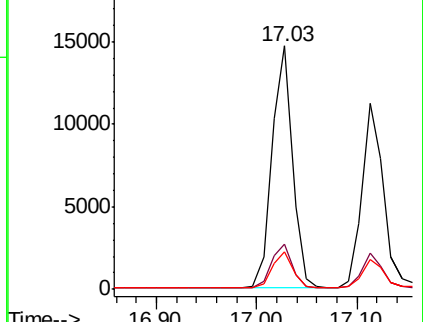
179 15.3 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

20000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.330 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

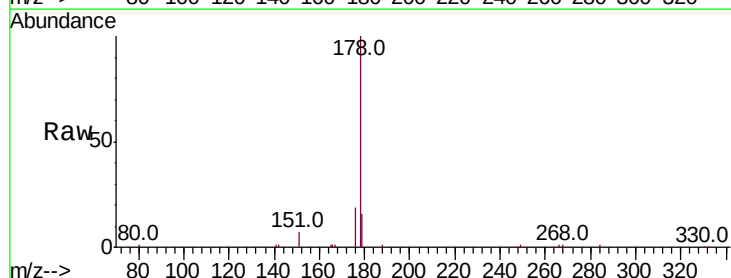
Tgt Ion:178 Resp: 16920

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

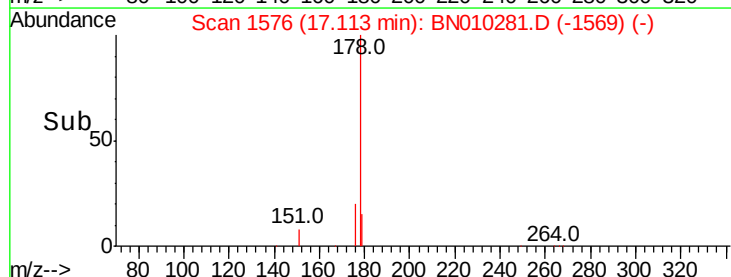
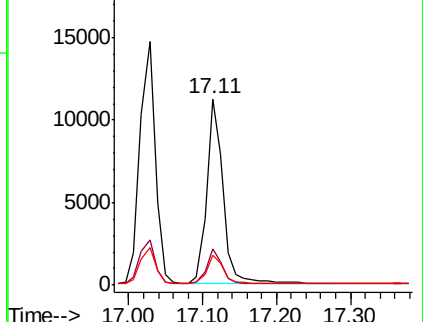
179 15.8 12.5 18.7

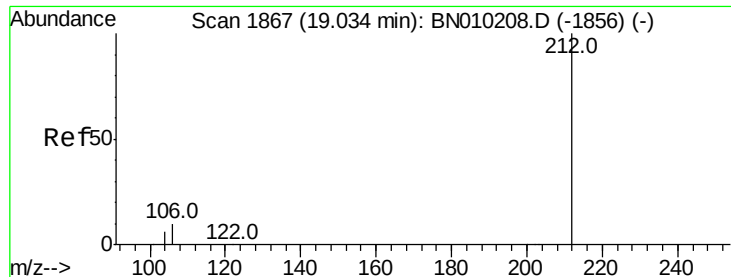


Abundance Ion 178.00 (177.70 to 178.70): E

20000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BN010281.D

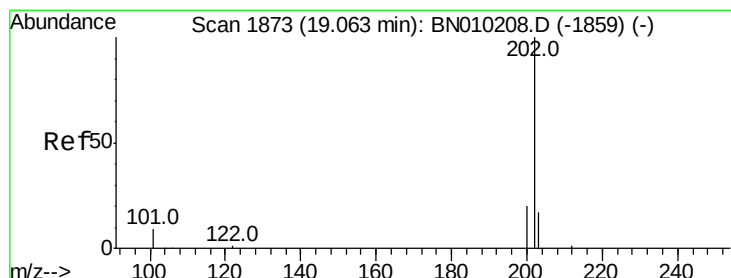
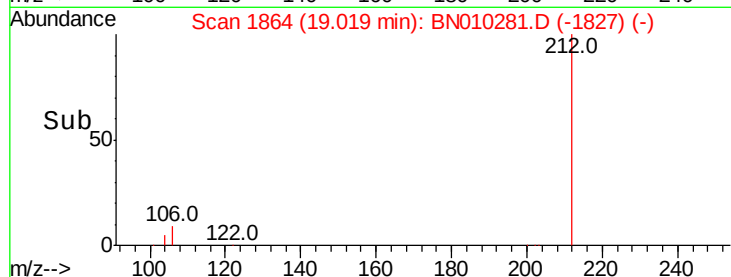
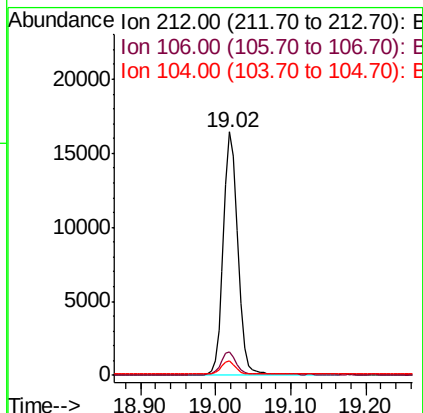
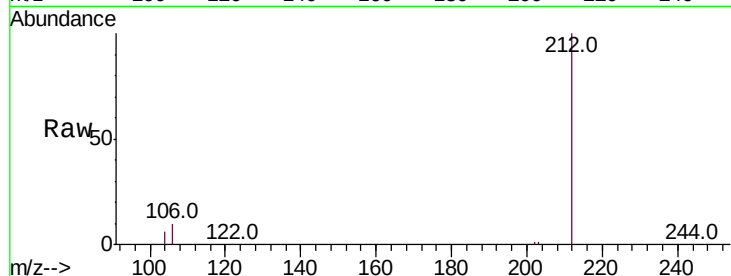
Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:212 | Resp: | 22028    |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 9.4   | 8.1 12.1 |
| 104         | 5.3   | 4.7 7.1  |



#26

Fluoranthene

Concen: 0.383 ng

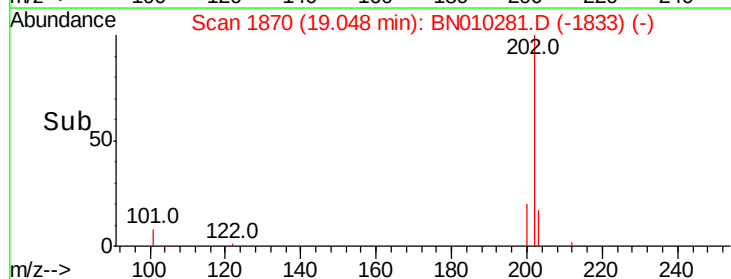
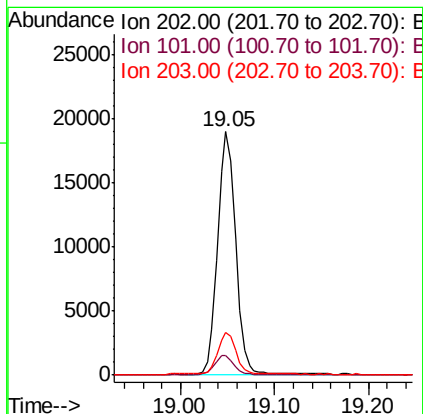
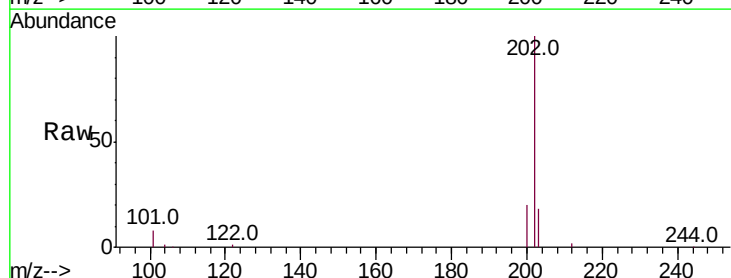
RT: 19.05 min Scan# 1870

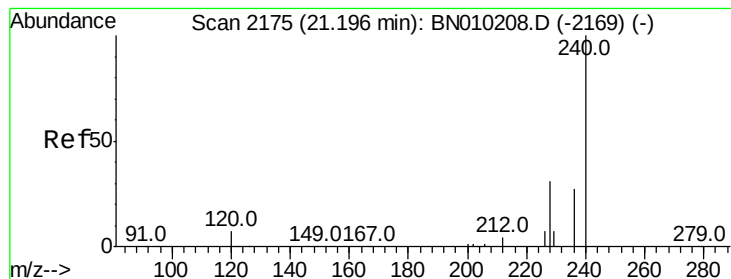
Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 25006     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 101         | 8.2   | 7.0 10.6  |
| 203         | 17.2  | 13.9 20.9 |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

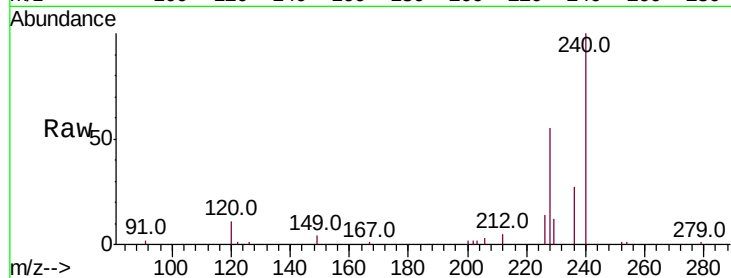
Tot Ion:240 Resp: 20041

Ion Ratio Lower Upper

240 100

120 11.2 7.7 11.5

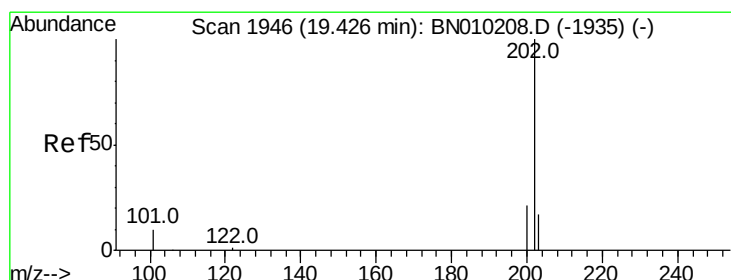
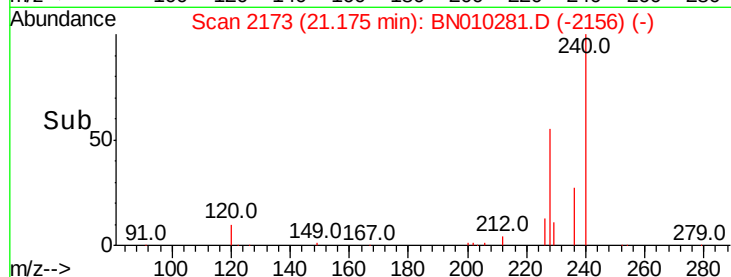
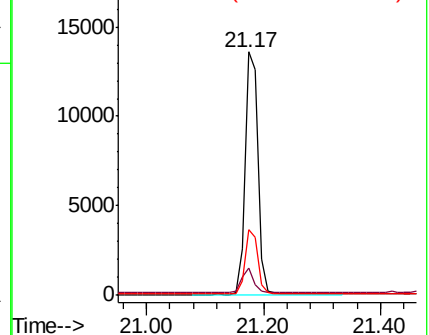
236 27.2 21.8 32.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.372 ng

RT: 19.41 min Scan# 1943

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

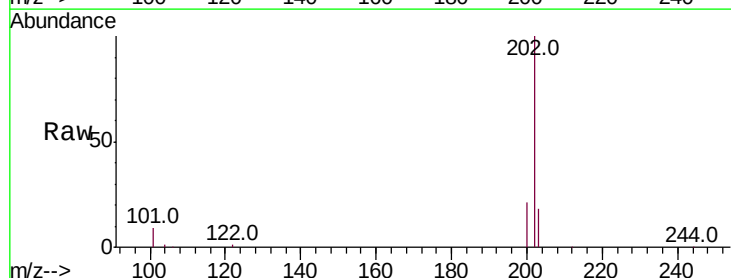
Tgt Ion:202 Resp: 24933

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

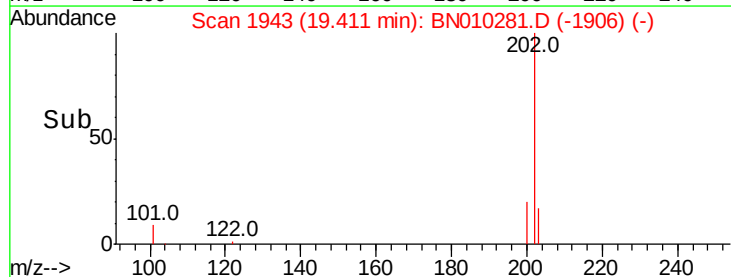
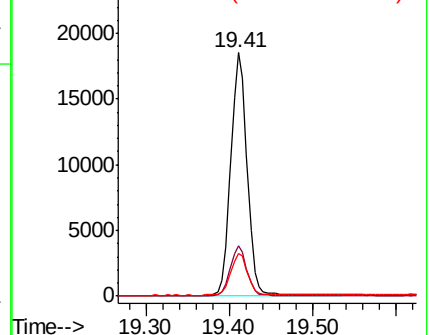
203 17.8 14.1 21.1



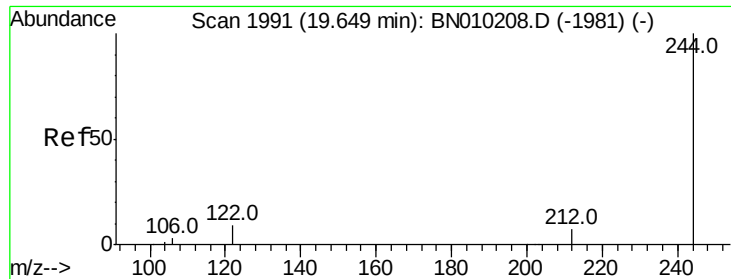
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

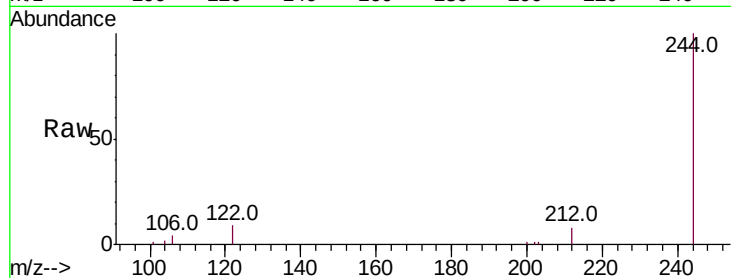
Tot Ion:244 Resp: 17780

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

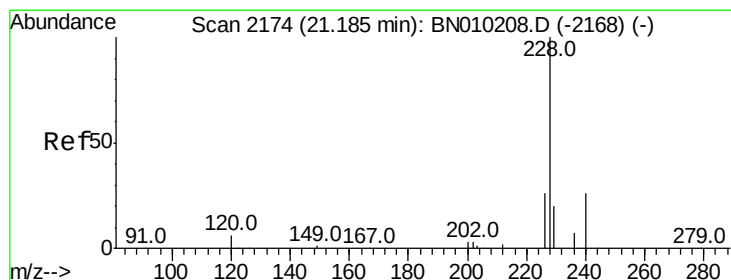
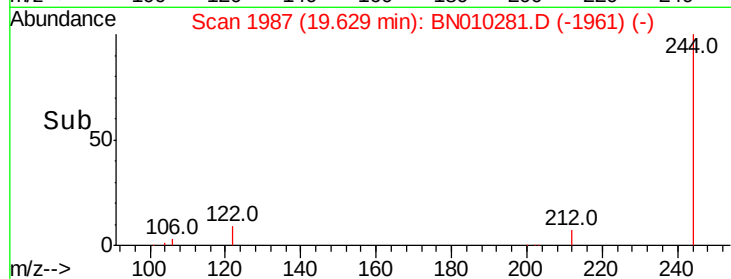
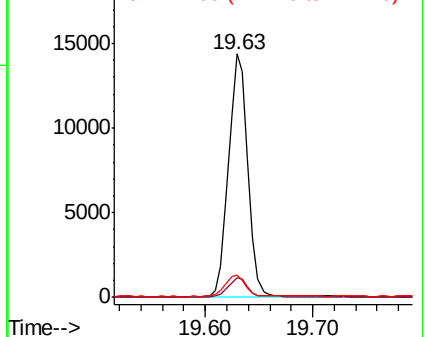
122 9.4 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.343 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

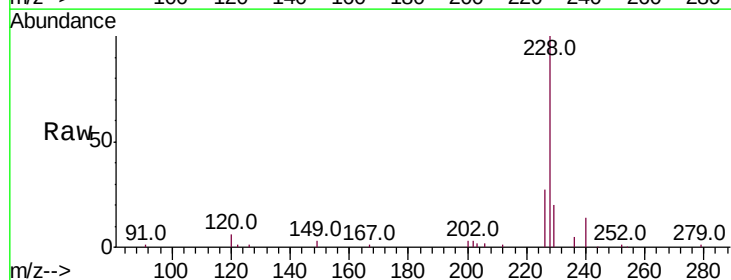
Tgt Ion:228 Resp: 23364

Ion Ratio Lower Upper

228 100

226 26.8 21.1 31.7

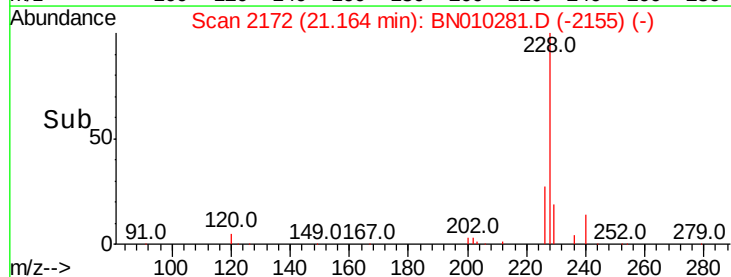
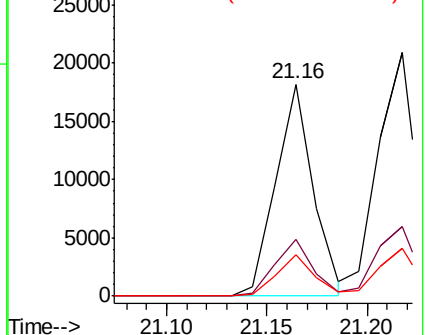
229 19.7 16.2 24.4

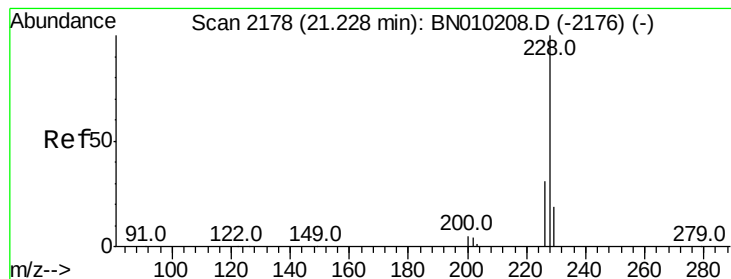


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.413 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampled :

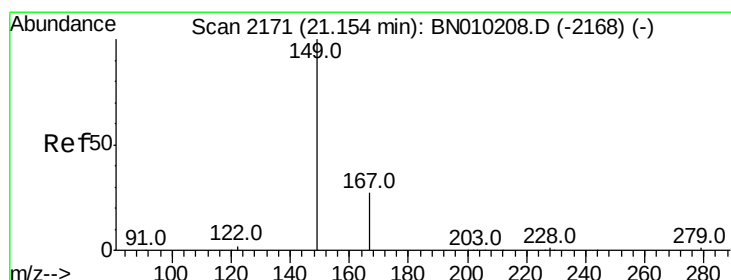
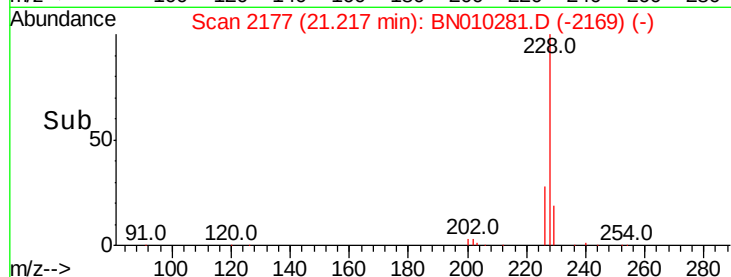
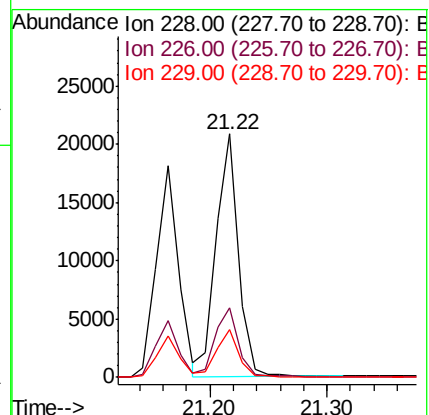
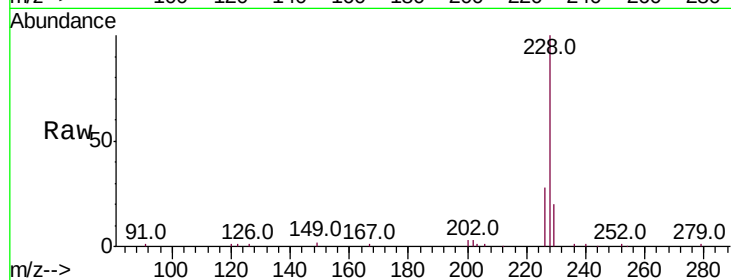
Tot Ion:228 Resp: 27722

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.4

229 19.7 15.7 23.5



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.235 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

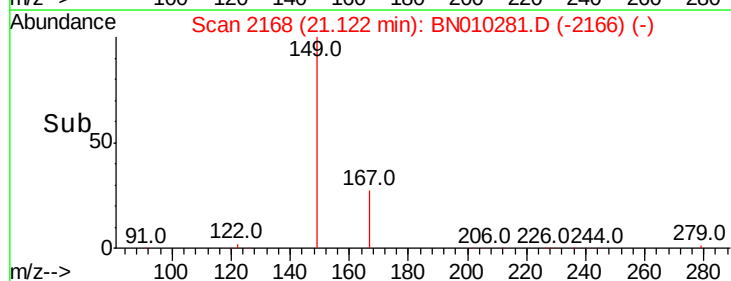
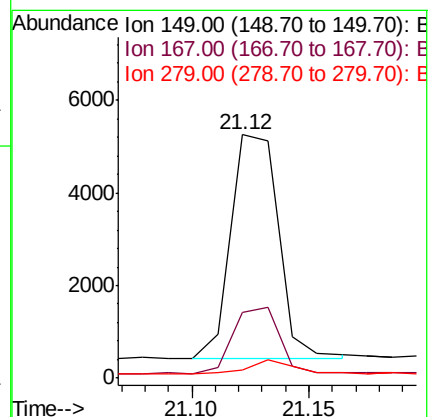
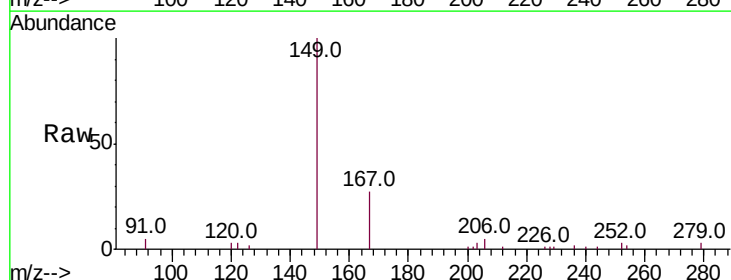
Tgt Ion:149 Resp: 6818

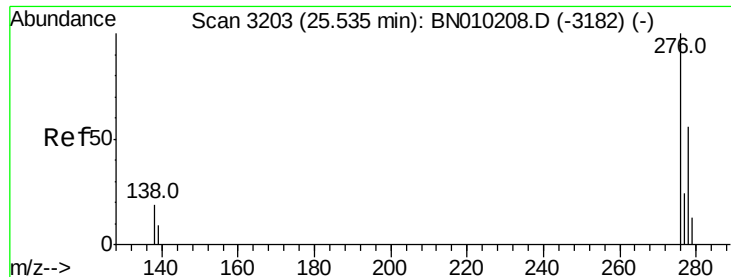
Ion Ratio Lower Upper

149 100

167 28.2 21.0 31.4

279 5.0 3.1 4.7#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng

RT: 25.49 min Scan# 3191

Delta R.T. -0.04 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

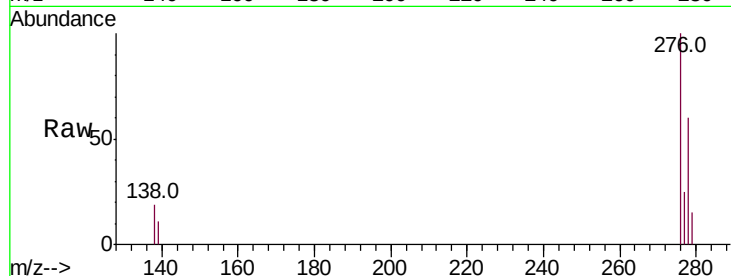
Tot Ion:276 Resp: 34648

Ion Ratio Lower Upper

276 100

138 19.5 15.8 23.6

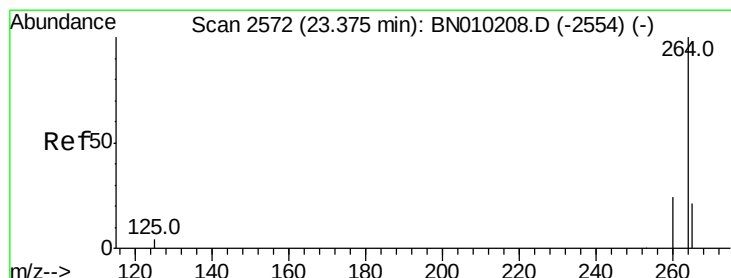
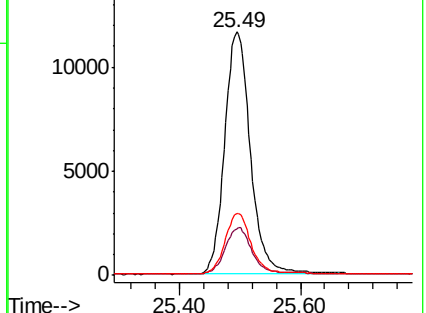
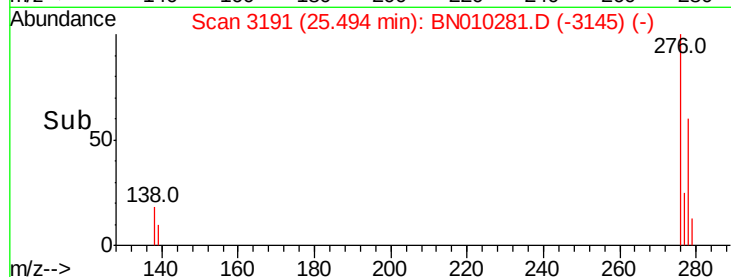
277 24.7 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.35 min Scan# 2565

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

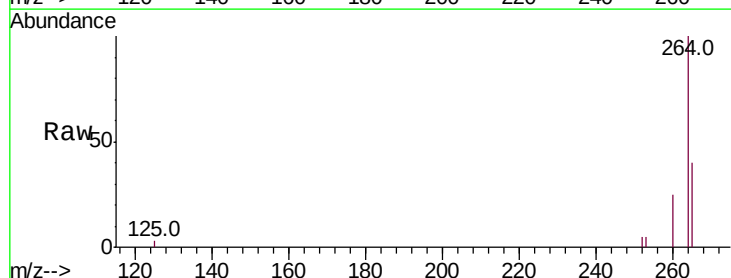
Tgt Ion:264 Resp: 22512

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

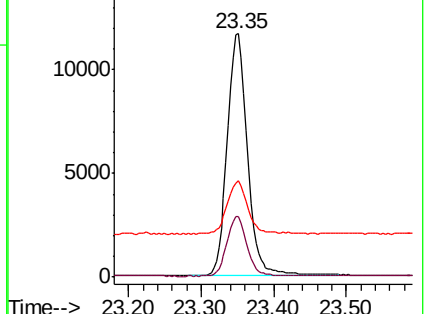
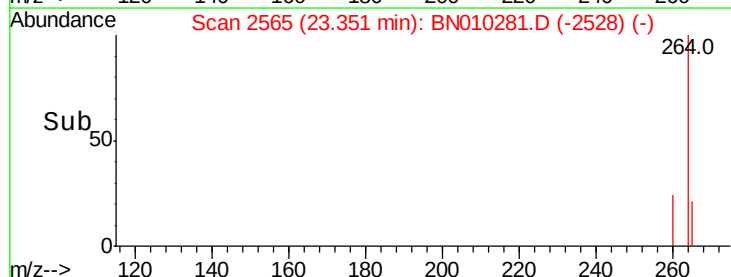
265 39.5 25.8 38.6#

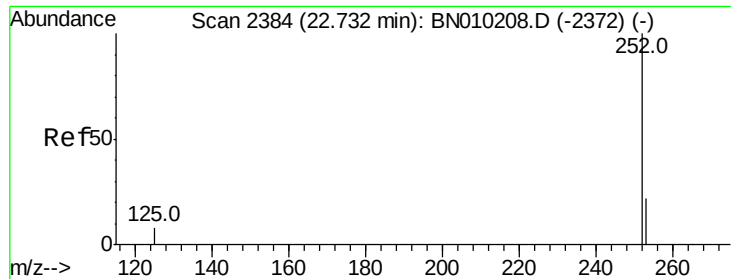


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.394 ng

RT: 22.70 min Scan# 2376

Delta R.T. -0.03 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

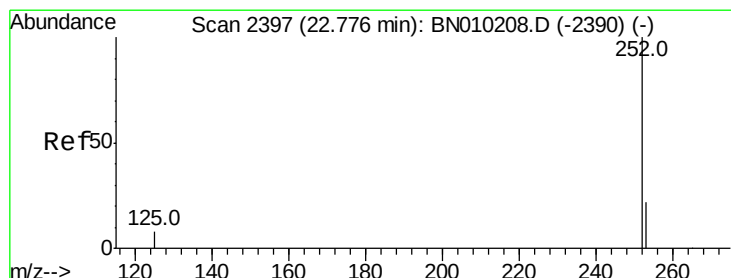
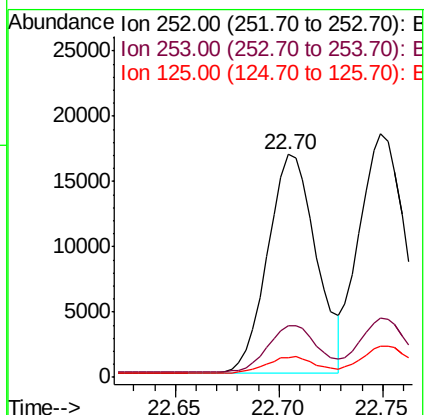
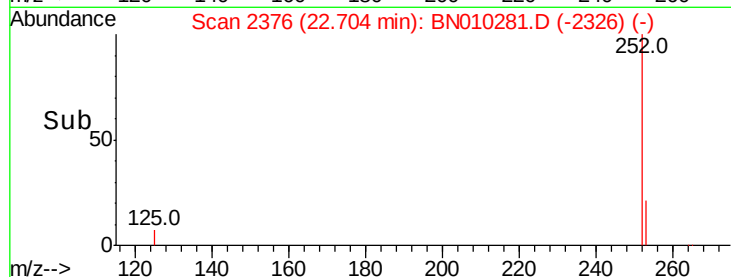
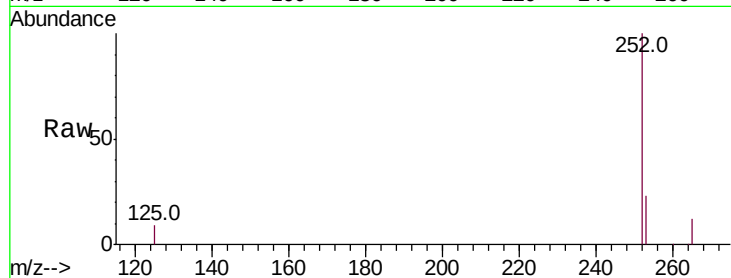
Tot Ion:252 Resp: 27261

Ion Ratio Lower Upper

252 100

253 23.4 18.6 28.0

125 8.6 7.9 11.9



#36

Benzo(k)fluoranthene

Concen: 0.390 ng

RT: 22.70 min Scan# 2376

Delta R.T. -0.07 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

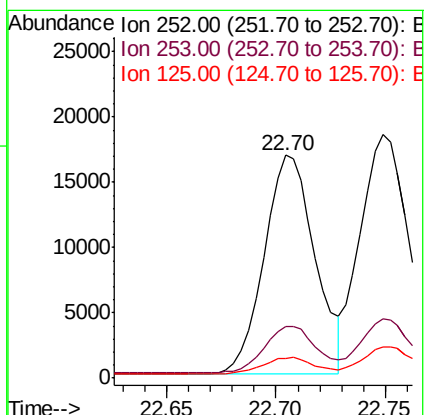
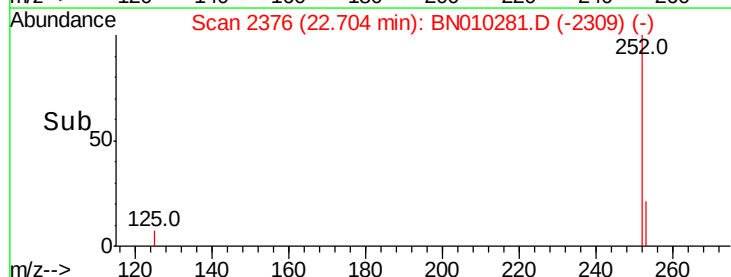
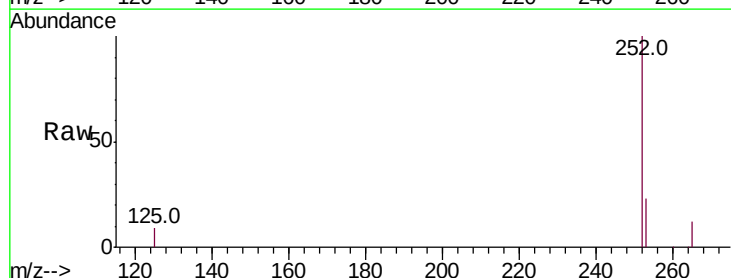
Tgt Ion:252 Resp: 27255

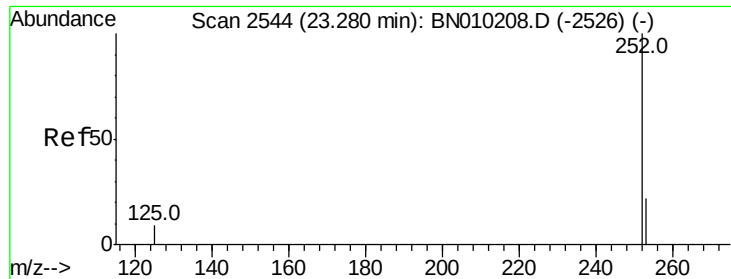
Ion Ratio Lower Upper

252 100

253 23.4 18.8 28.2

125 8.6 8.2 12.4





#37

Benzo(a)pyrene

Concen: 0.355 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.02 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

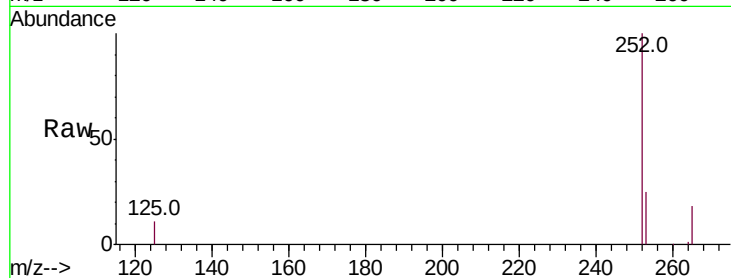
Tot Ion:252 Resp: 23179

Ion Ratio Lower Upper

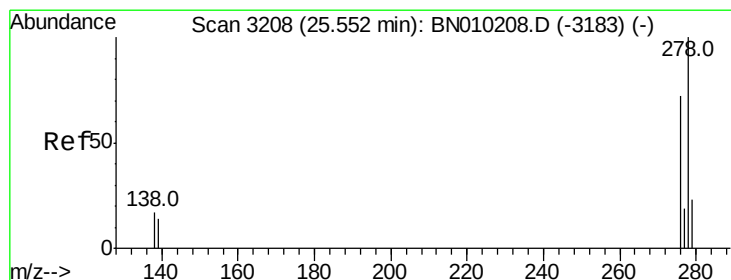
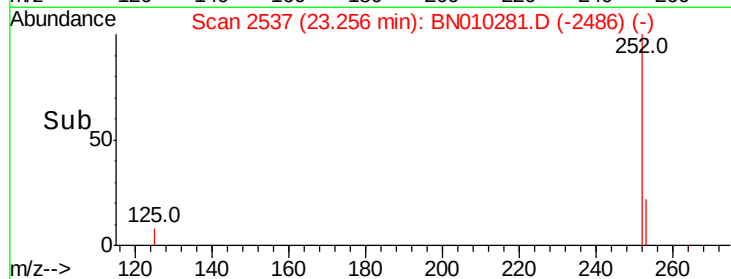
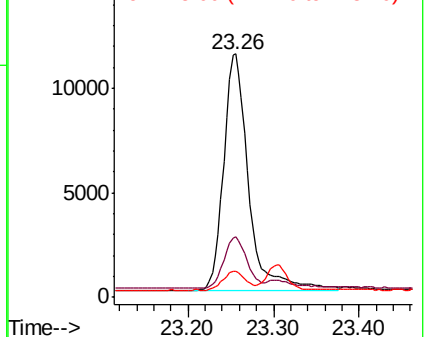
252 100

253 24.8 19.1 28.7

125 10.6 9.2 13.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.437 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.04 min

Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

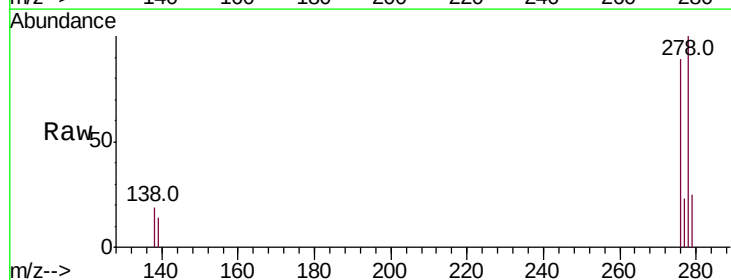
Tgt Ion:278 Resp: 28615

Ion Ratio Lower Upper

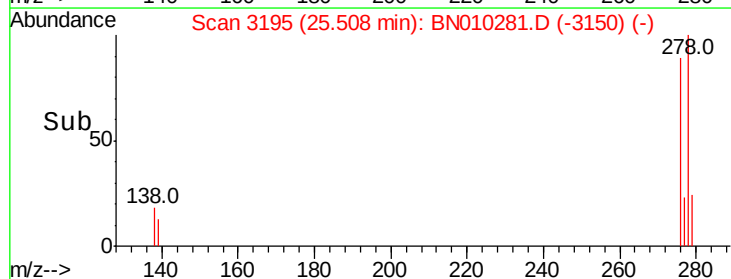
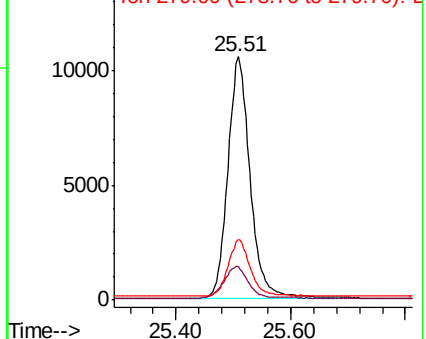
278 100

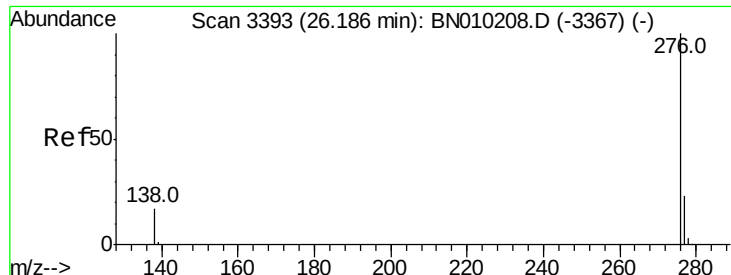
139 13.9 12.4 18.6

279 25.1 20.2 30.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.405 ng

RT: 26.14 min Scan# 3380

Delta R.T. -0.04 min

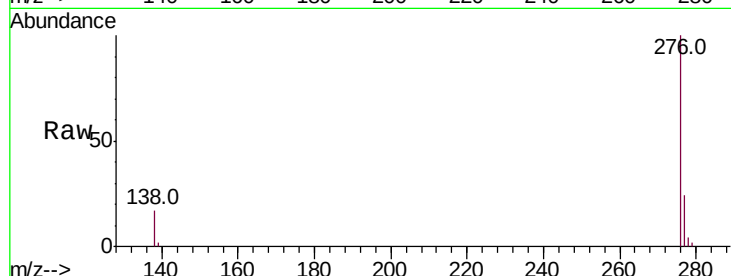
Lab File: BN010281.D

Acq: 19 Mar 2020 01:44

Instrument :

BNA\_N

ClientSampleId :



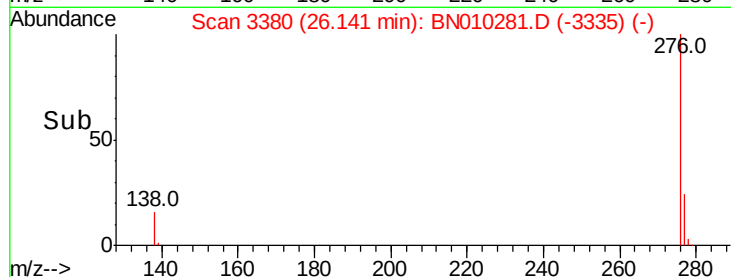
Tot Ion:276 Resp: 26525

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 16.5 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

