

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\  
 Data File : BN010495.D  
 Acq On : 15 Apr 2020 01:42  
 Operator : CG/JU  
 Sample : L2178-03MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 15 03:01:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 13 18:04:22 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 3618     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.37 | 136  | 14997    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.22 | 164  | 10115    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.97 | 188  | 24123    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.17 | 240  | 26154    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.34 | 264  | 23730    | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.25  | 112 | 1787  | 0.23 | ng | 0.00  |
| 5) Phenol-d6                | 6.79  | 99  | 1428  | 0.14 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.73  | 82  | 8214  | 0.78 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.96 | 152 | 16059 | 0.65 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.72 | 330 | 2488  | 0.52 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.84 | 172 | 29819 | 0.81 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.01 | 212 | 30776 | 0.42 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.62 | 244 | 44030 | 0.74 | ng | 0.00  |

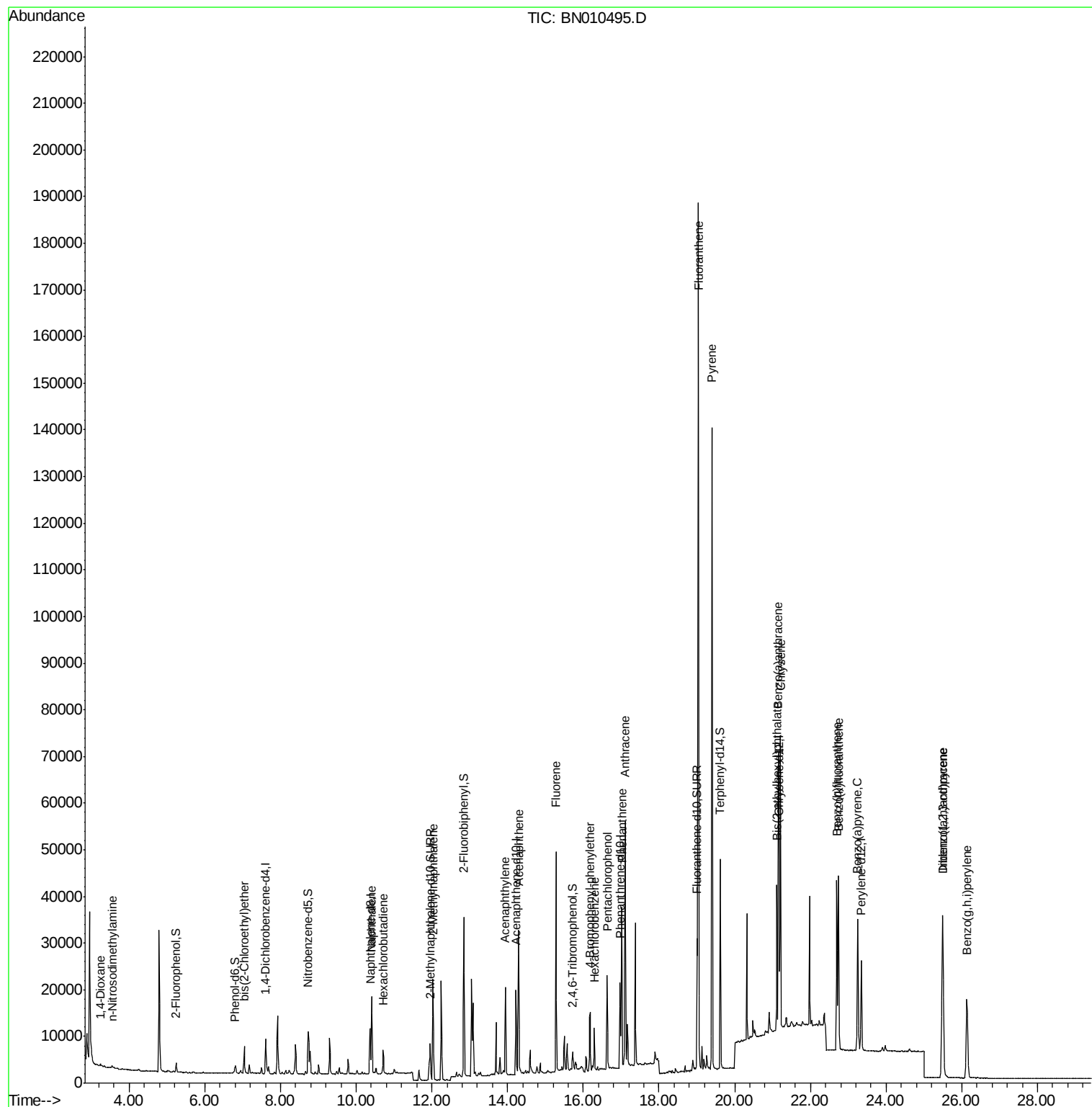
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.24  | 88  | 435    | 0.163  | ng | # 59 |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 353    | 0.204  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 7.04  | 93  | 5004   | 0.558  | ng | 99   |
| 9) Naphthalene                 | 10.41 | 128 | 22305  | 0.599  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.71 | 225 | 4224   | 0.471  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.03 | 142 | 15167  | 0.567  | ng | 99   |
| 16) Acenaphthylene             | 13.93 | 152 | 23502  | 0.538  | ng | 100  |
| 17) Acenaphthene               | 14.29 | 154 | 17196  | 0.612  | ng | 95   |
| 18) Fluorene                   | 15.28 | 166 | 22128  | 0.602  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.18 | 248 | 6833   | 0.510  | ng | 98   |
| 21) Hexachlorobenzene          | 16.29 | 284 | 7726   | 0.505  | ng | 99   |
| 22) Pentachlorophenol          | 16.63 | 266 | 10200  | 1.695  | ng | 97   |
| 23) Phenanthrene               | 17.02 | 178 | 37640  | 0.578  | ng | 100  |
| 24) Anthracene                 | 17.10 | 178 | 53401  | 0.897  | ng | 98   |
| 26) Fluoranthene               | 19.04 | 202 | 164088 | 2.024  | ng | 100  |
| 28) Pyrene                     | 19.40 | 202 | 123876 | 1.407  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.15 | 228 | 51281  | 0.601  | ng | 99   |
| 31) Chrysene                   | 21.21 | 228 | 49638  | 0.584  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.11 | 149 | 25299  | 0.578  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.49 | 276 | 40509  | 0.539  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.70 | 252 | 43933  | 0.562  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.74 | 252 | 44290  | 0.566  | ng | 100  |
| 37) Benzo(a)pyrene             | 23.25 | 252 | 39310  | 0.568  | ng | 96   |
| 38) Dibenzo(a,h)anthracene     | 25.50 | 278 | 33890  | 0.536  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 26.13 | 276 | 34130  | 0.536  | ng | 99   |

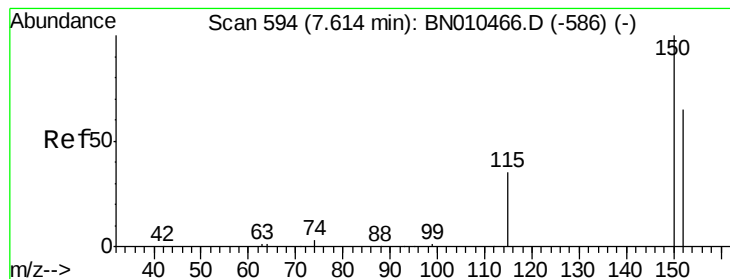
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\  
Data File : BN010495.D  
Acq On : 15 Apr 2020 01:42  
Operator : CG/JU  
Sample : L2178-03MS  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Apr 15 03:01:57 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 13 18:04:22 2020  
Response via : Initial Calibration



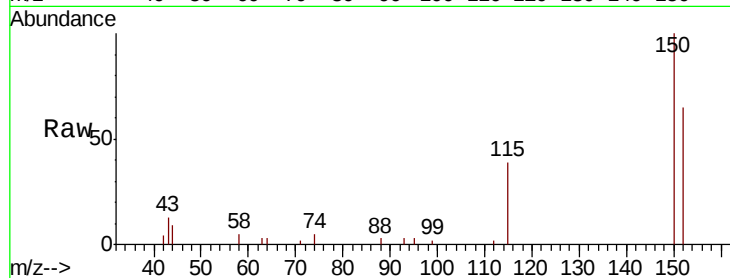


#1

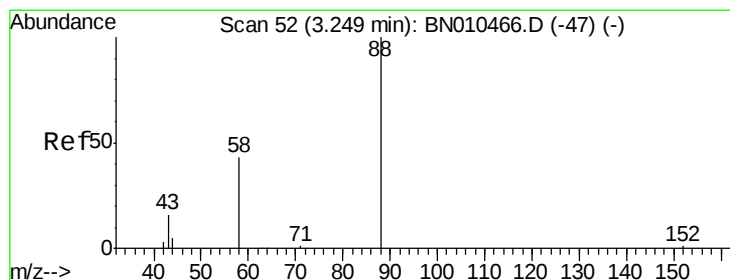
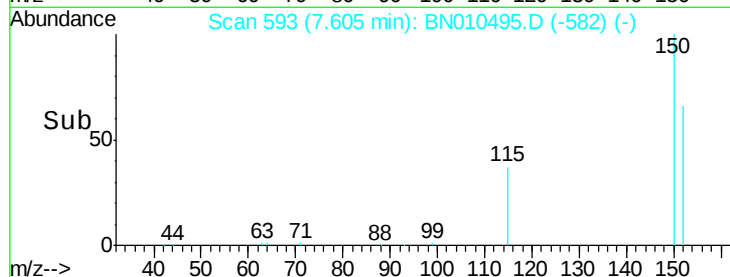
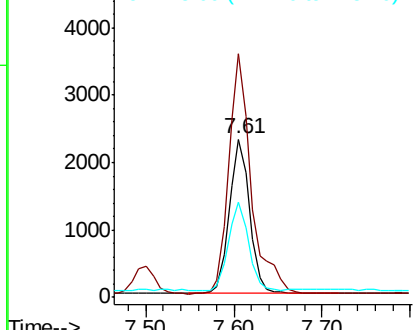
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.61 min Scan# 593  
Delta R.T. -0.01 min  
Lab File: BN010495.D  
Acq: 15 Apr 2020 01:42

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 3618  
Ion Ratio Lower Upper  
152 100  
150 154.2 121.8 182.6  
115 60.1 45.5 68.3



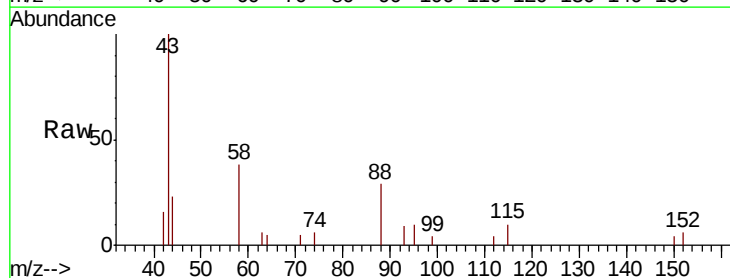
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



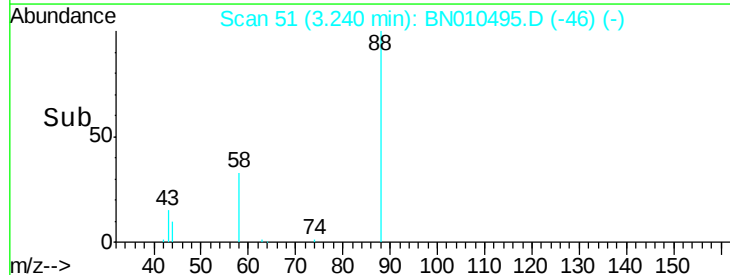
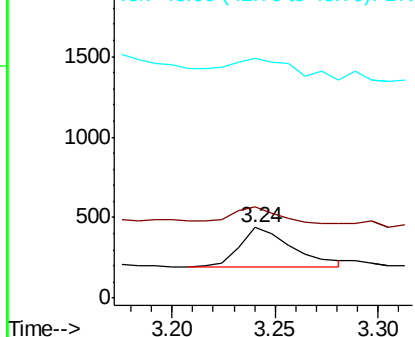
#2

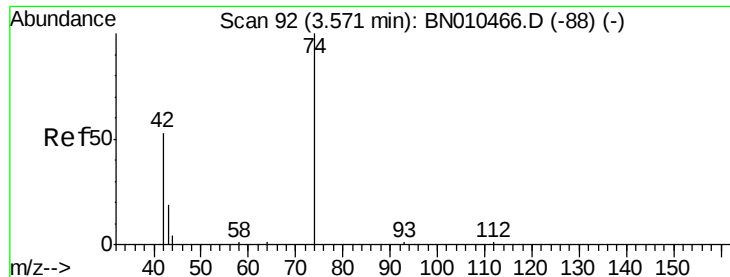
1,4-Dioxane  
Concen: 0.163 ng  
RT: 3.24 min Scan# 51  
Delta R.T. -0.01 min  
Lab File: BN010495.D  
Acq: 15 Apr 2020 01:42

Tgt Ion: 88 Resp: 435  
Ion Ratio Lower Upper  
88 100  
58 36.6 36.5 54.7  
43 66.0 13.2 19.8#



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0



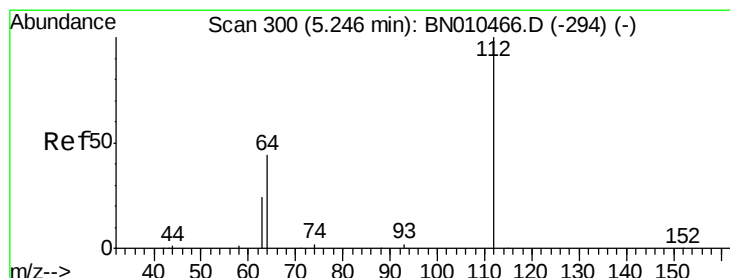
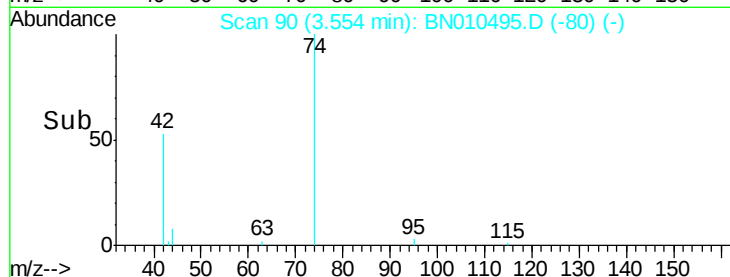
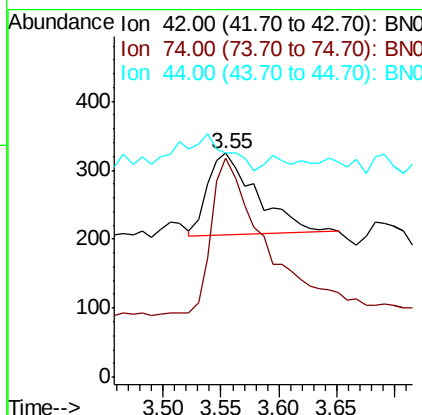
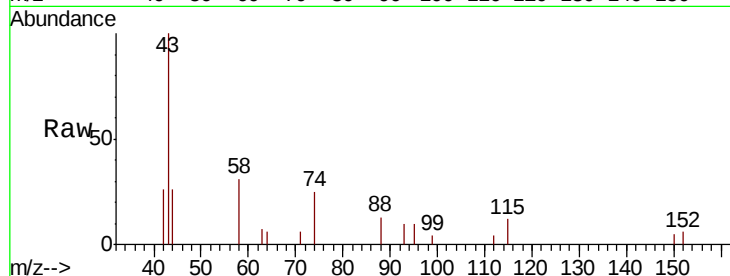


#3

n-Nitrosodimethylamine  
 Concen: 0.204 ng  
 RT: 3.55 min Scan# 90  
 Delta R.T. -0.02 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

Instrument :  
 BNA\_N  
 ClientSampled :

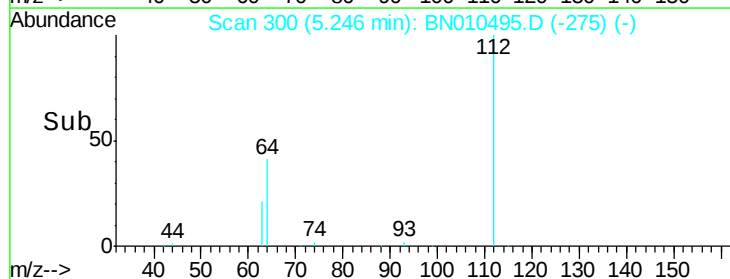
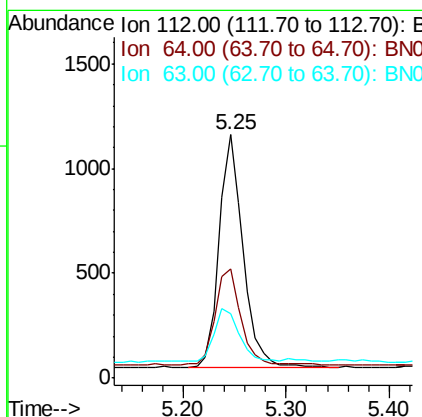
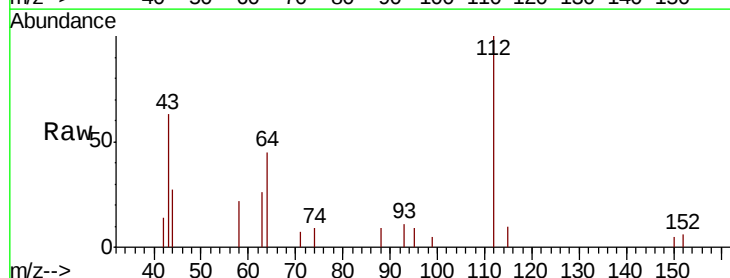
| Tot Ion | 42    | Resp  | 353   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 42      | 100   |       |       |
| 74      | 211.0 | 162.2 | 243.4 |
| 44      | 41.6  | 2.4   | 3.6#  |

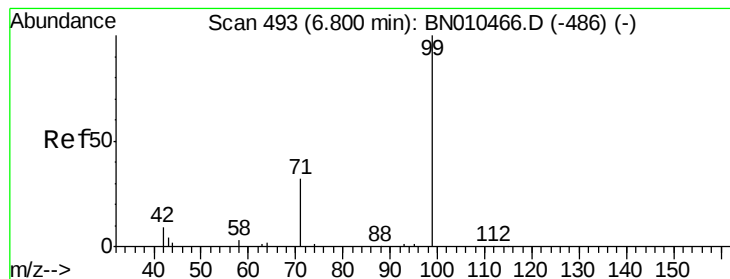


#4

2-Fluorophenol  
 Concen: 0.226 ng  
 RT: 5.25 min Scan# 300  
 Delta R.T. -0.00 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

| Tgt Ion | 112   | Resp  | 1787  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 112     | 100   |       |       |
| 64      | 43.9  | 35.8  | 53.8  |
| 63      | 23.8  | 19.9  | 29.9  |





#5

Phenol-d6

Concen: 0.138 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

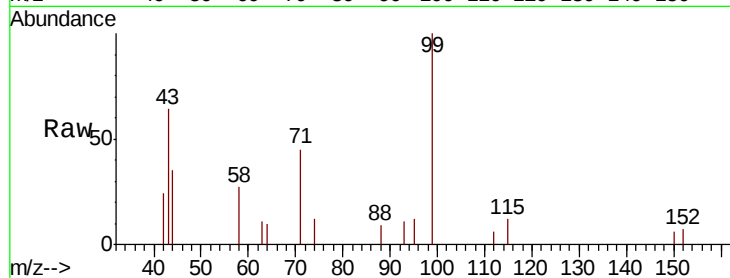
Tot Ion: 99 Resp: 1428

Ion Ratio Lower Upper

99 100

42 17.1 9.8 14.6#

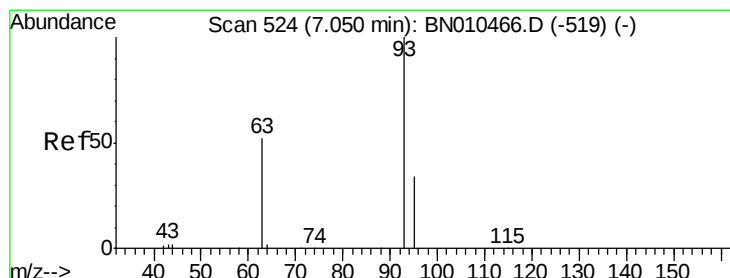
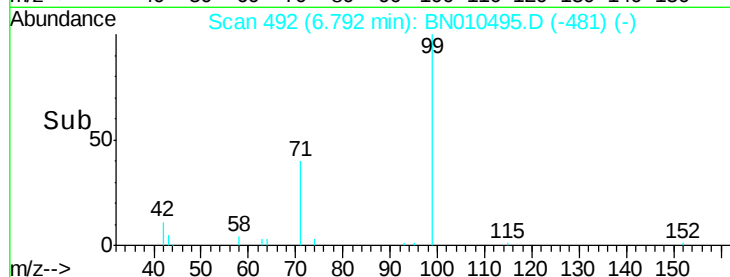
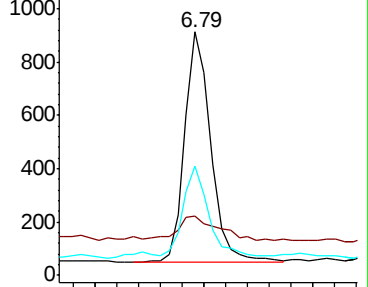
71 39.7 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.558 ng

RT: 7.04 min Scan# 523

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

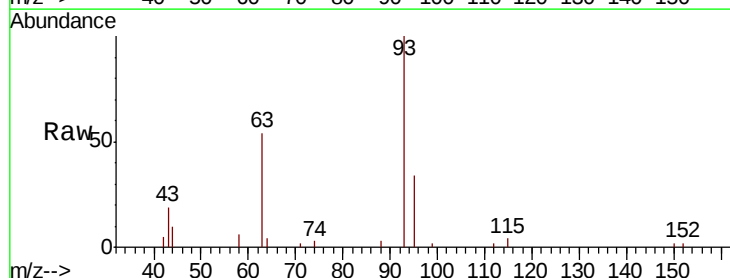
Tgt Ion: 93 Resp: 5004

Ion Ratio Lower Upper

93 100

63 56.4 44.6 66.8

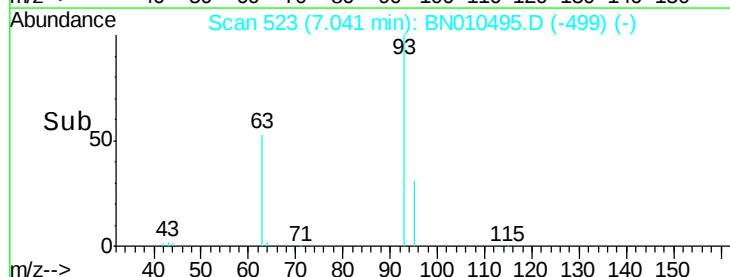
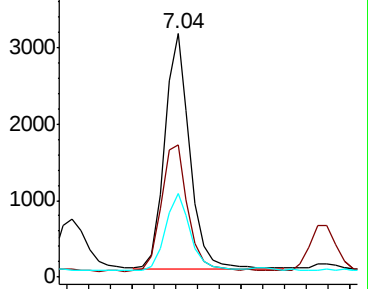
95 32.0 26.5 39.7

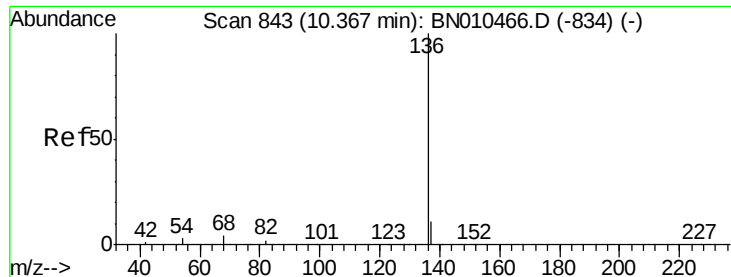


Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 14997

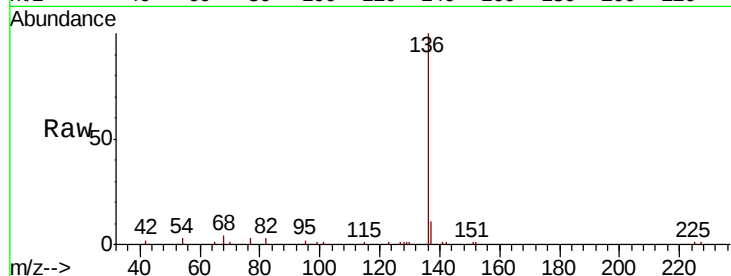
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 3.0 2.6 4.0

68 3.9 3.4 5.2

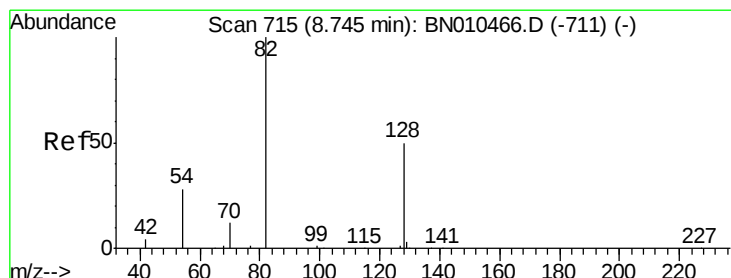
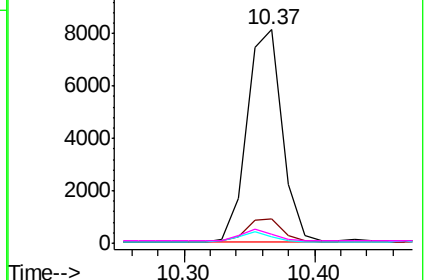
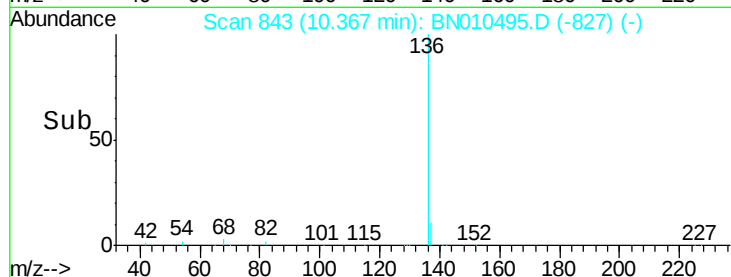


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.783 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

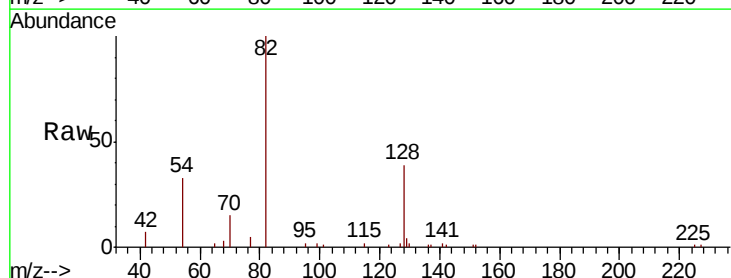
Tgt Ion: 82 Resp: 8214

Ion Ratio Lower Upper

82 100

128 39.0 41.3 61.9#

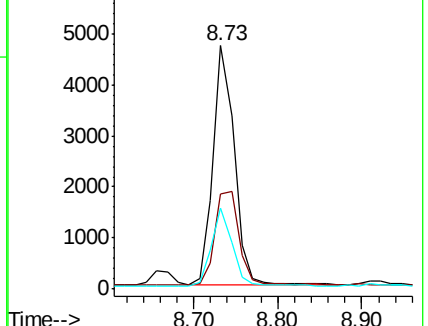
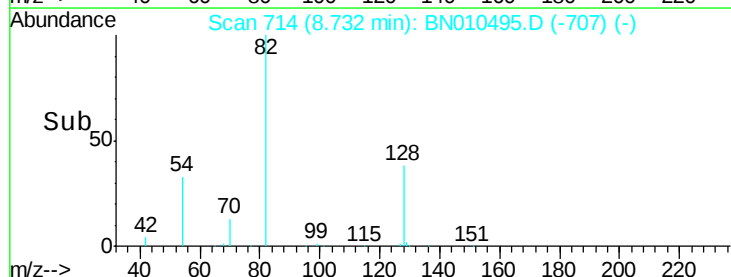
54 33.4 23.4 35.0

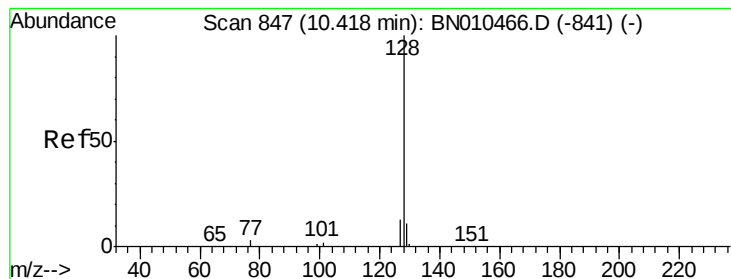


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.599 ng

RT: 10.41 min Scan# 846

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

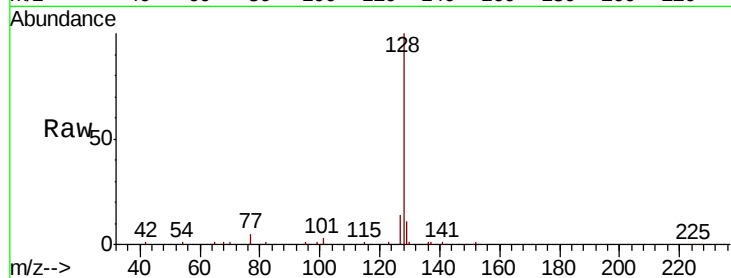
Tot Ion:128 Resp: 22305

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

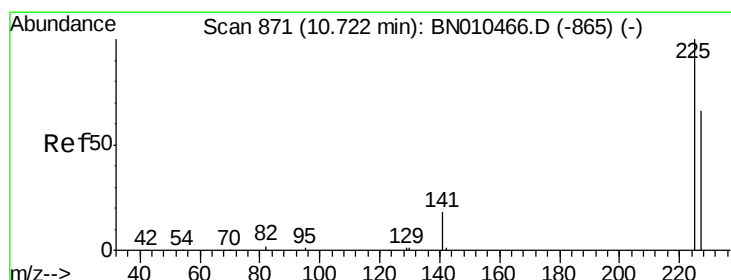
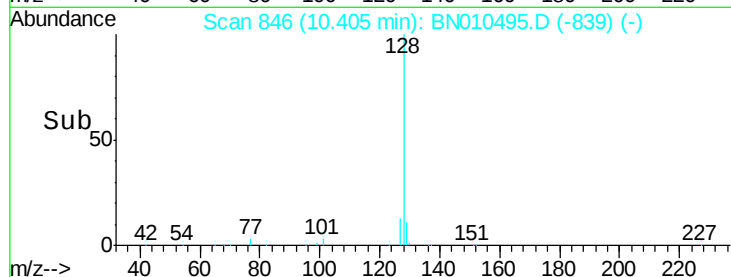
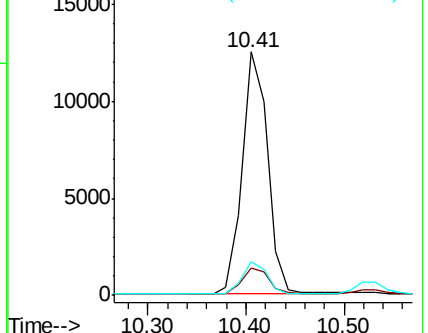
127 13.9 10.5 15.7



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: 0.471 ng

RT: 10.71 min Scan# 870

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

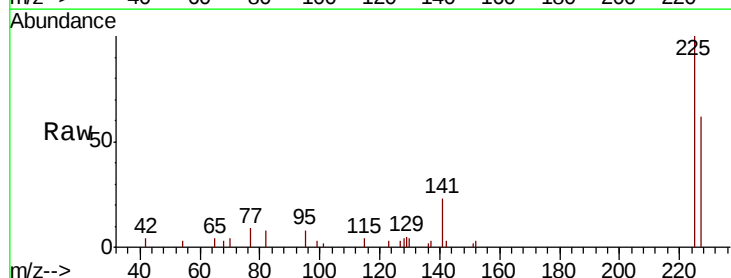
Tgt Ion:225 Resp: 4224

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

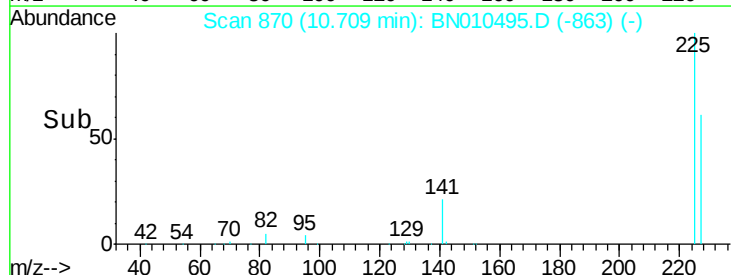
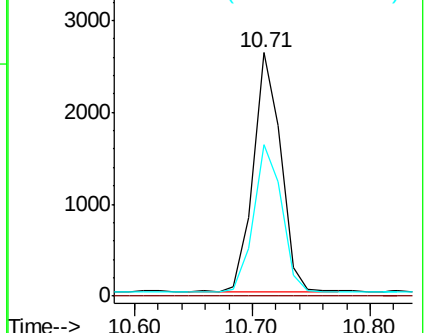
227 62.8 50.6 76.0

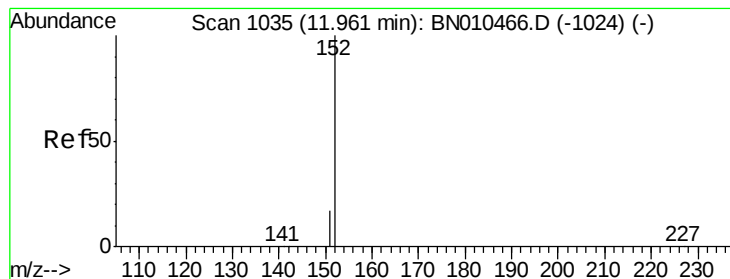


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.651 ng

RT: 11.96 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

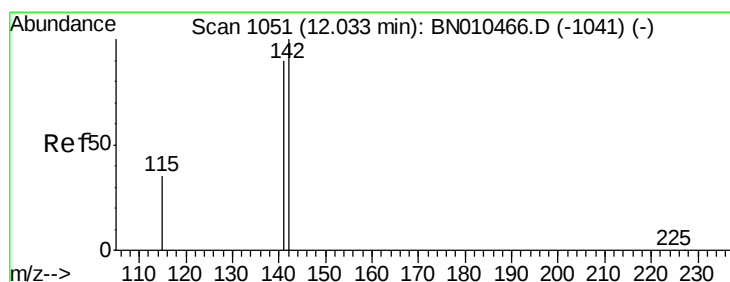
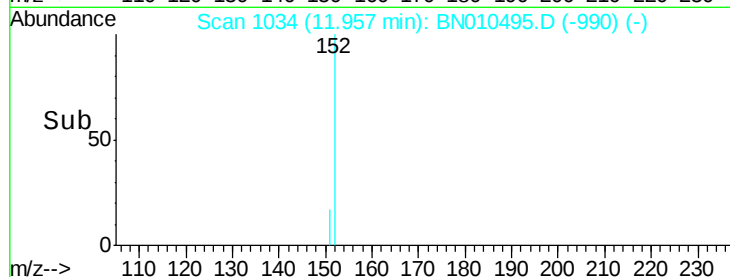
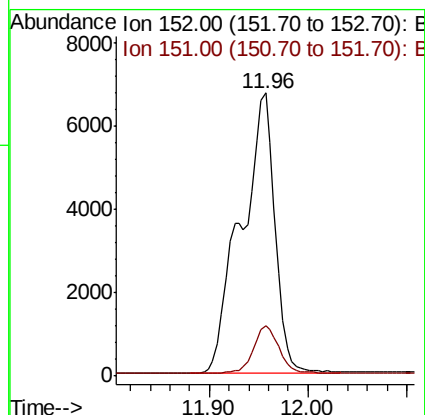
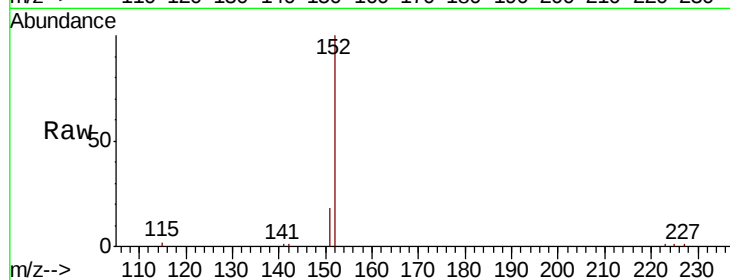
ClientSampleId :

Tot Ion:152 Resp: 16059

Ion Ratio Lower Upper

152 100

151 13.3 15.3 22.9#



#12

2-Methylnaphthalene

Concen: 0.567 ng

RT: 12.03 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

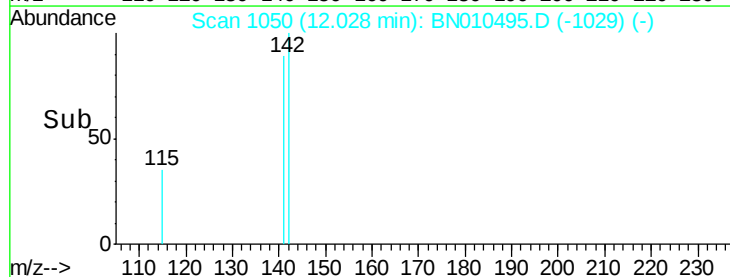
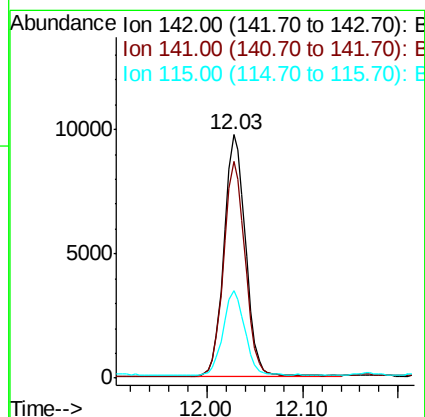
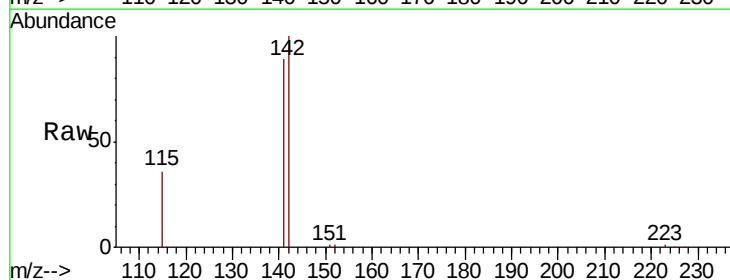
Tgt Ion:142 Resp: 15167

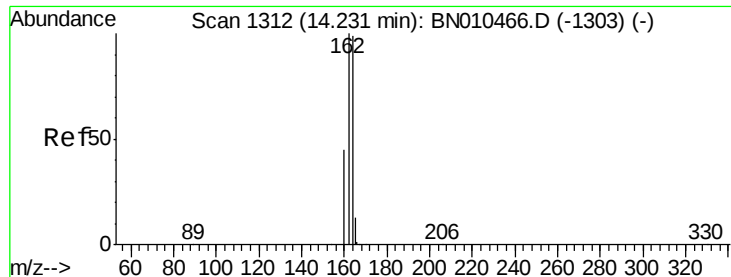
Ion Ratio Lower Upper

142 100

141 88.9 71.9 107.9

115 35.8 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

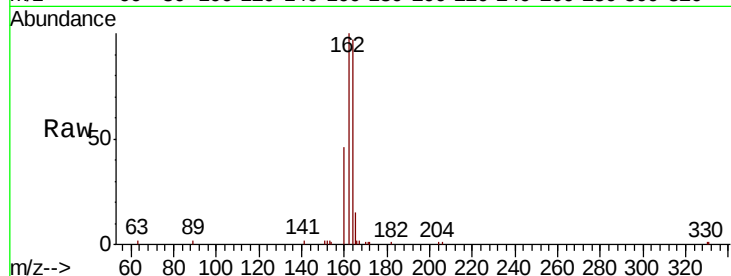
Tot Ion:164 Resp: 10115

Ion Ratio Lower Upper

164 100

162 102.7 80.6 121.0

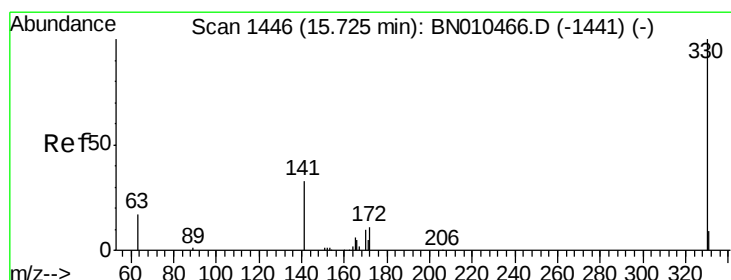
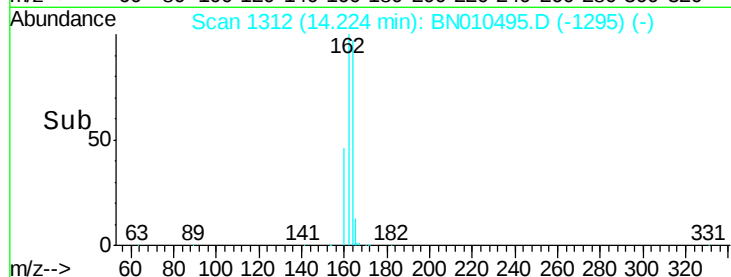
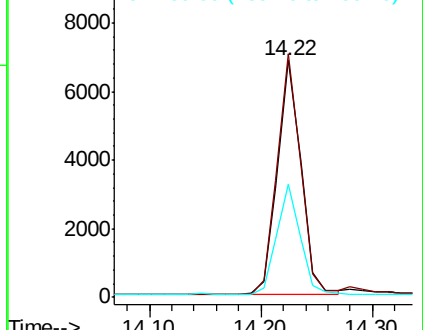
160 47.7 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.522 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

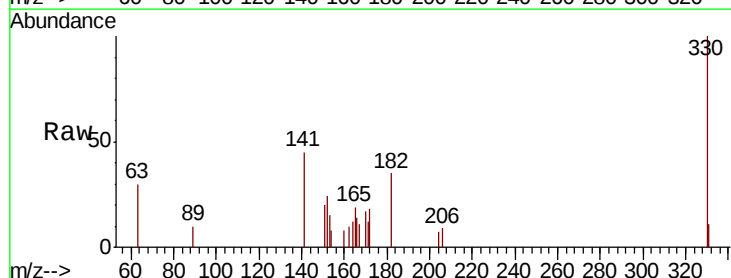
Tgt Ion:330 Resp: 2488

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

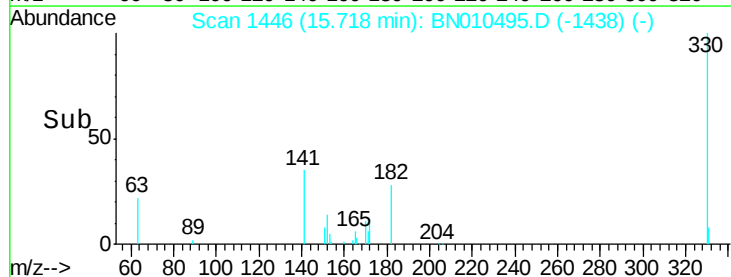
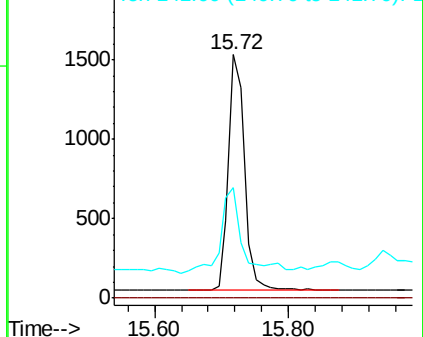
141 43.9 28.1 42.1#

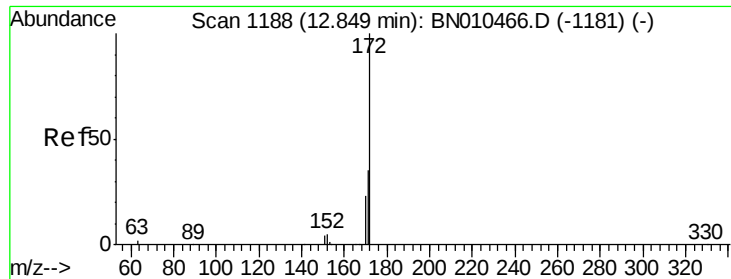


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

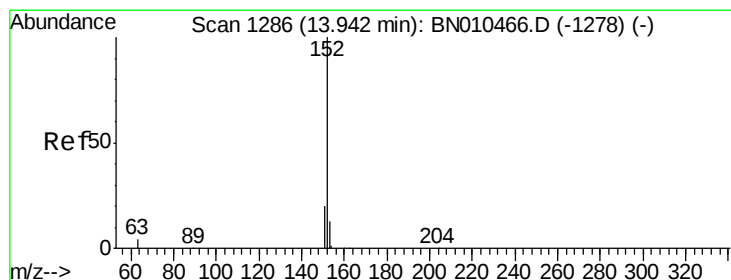
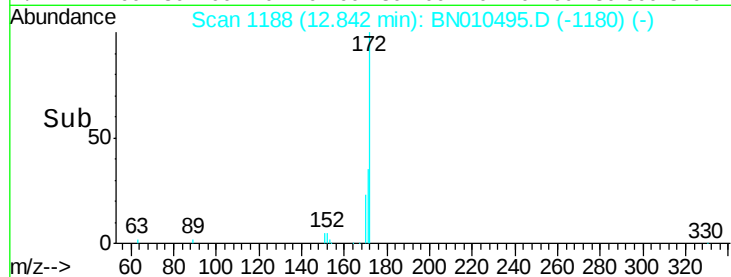
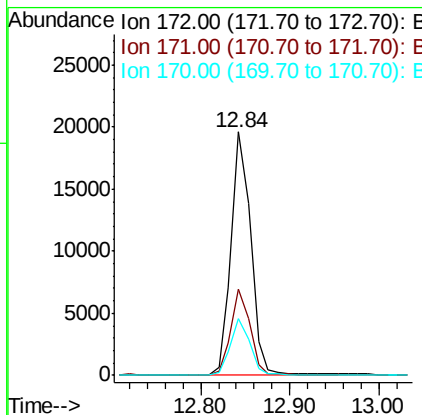
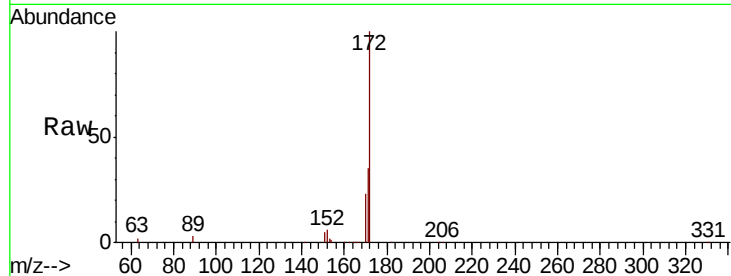




#15  
2-Fluorobiphenyl  
Concen: 0.810 ng  
RT: 12.84 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: BN010495.D  
Acq: 15 Apr 2020 01:42

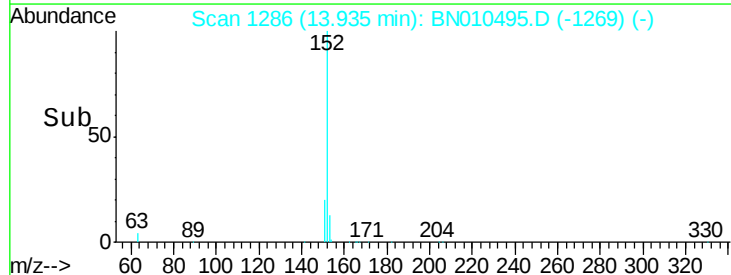
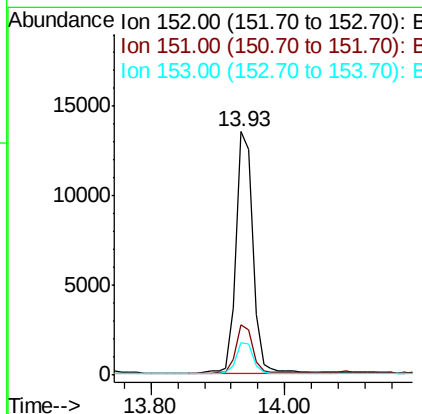
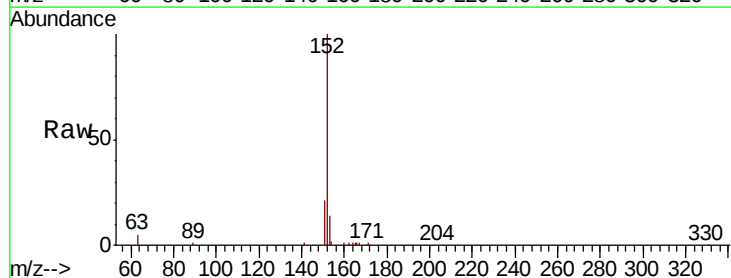
Instrument :  
BNA\_N  
ClientSampled :

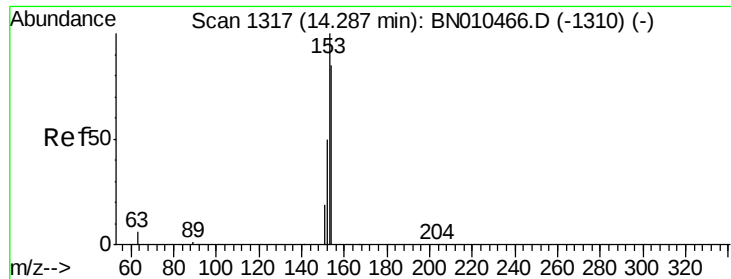
Tot Ion:172 Resp: 29819  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.2 42.2  
170 23.4 18.4 27.6



#16  
Acenaphthylene  
Concen: 0.538 ng  
RT: 13.93 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BN010495.D  
Acq: 15 Apr 2020 01:42

Tgt Ion:152 Resp: 23502  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.612 ng

RT: 14.29 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

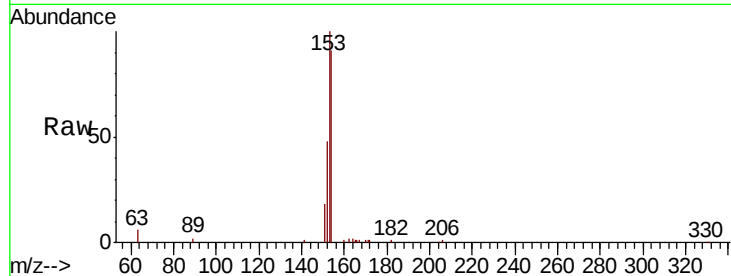
Tot Ion:154 Resp: 17196

Ion Ratio Lower Upper

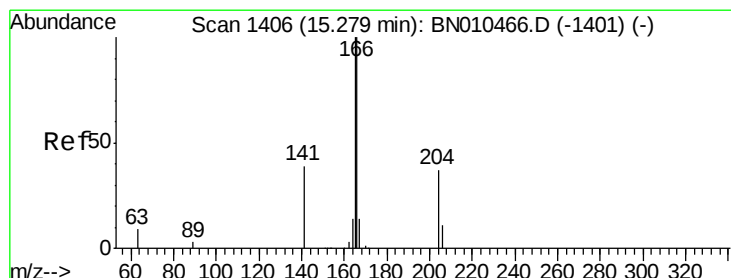
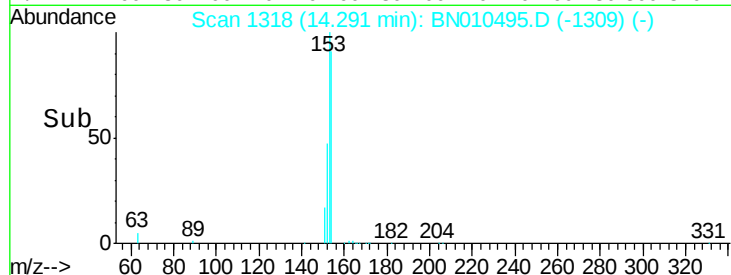
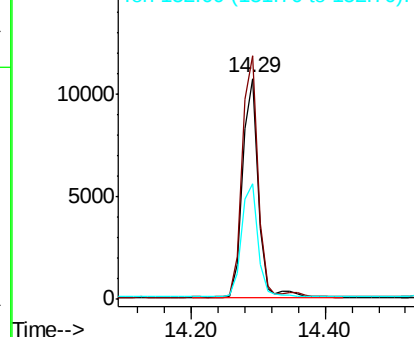
154 100

153 108.2 91.0 136.4

152 52.6 44.6 67.0



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: 0.602 ng

RT: 15.28 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

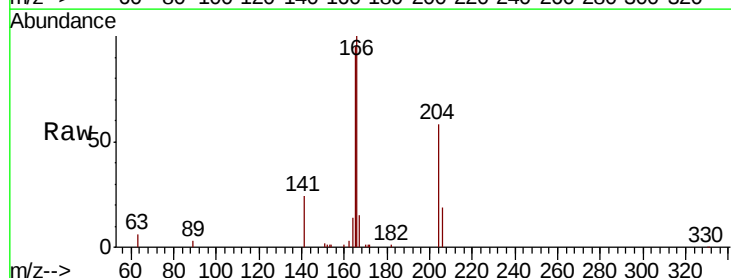
Tgt Ion:166 Resp: 22128

Ion Ratio Lower Upper

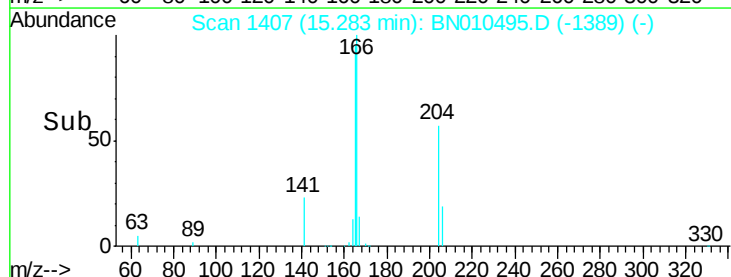
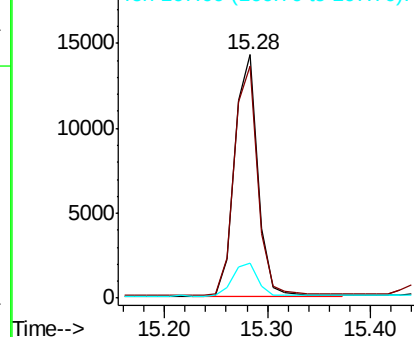
166 100

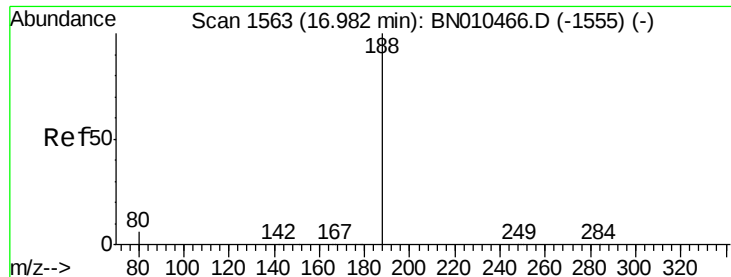
165 97.7 78.4 117.6

167 15.7 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.97 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

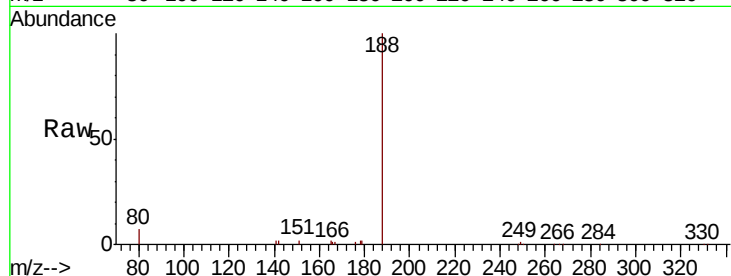
Tot Ion:188 Resp: 24123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

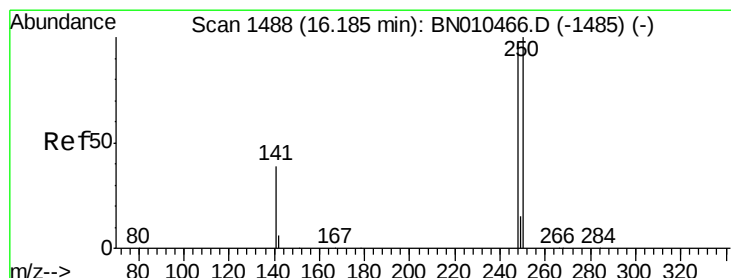
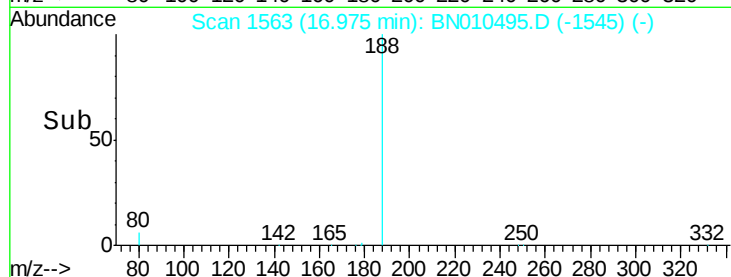
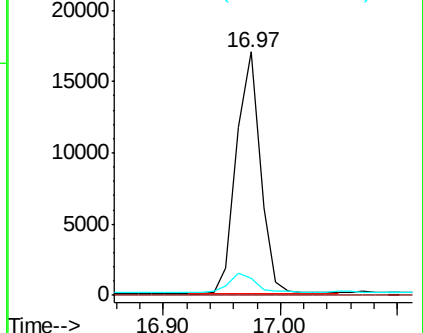
80 7.2 5.0 7.6



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: 0.510 ng

RT: 16.18 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

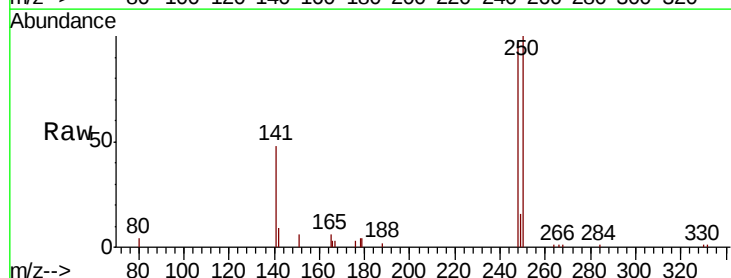
Tgt Ion:248 Resp: 6833

Ion Ratio Lower Upper

248 100

250 102.7 82.3 123.5

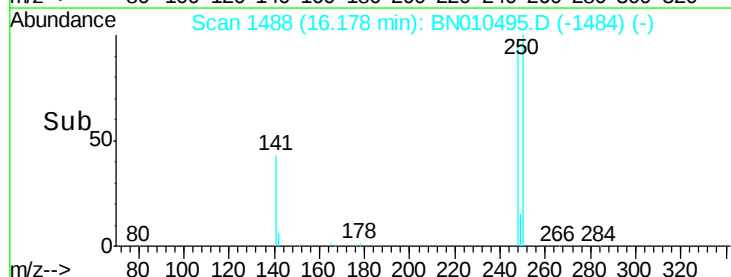
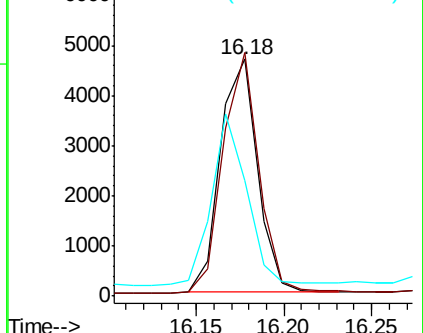
141 48.9 35.2 52.8

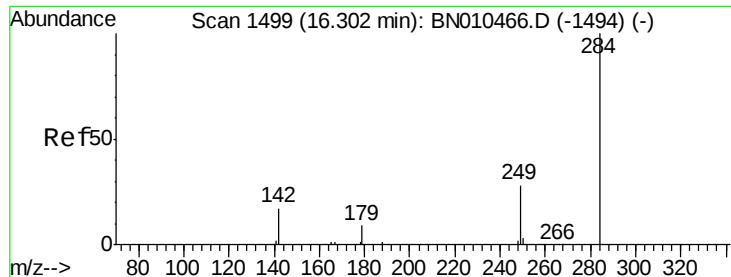


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.505 ng

RT: 16.29 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

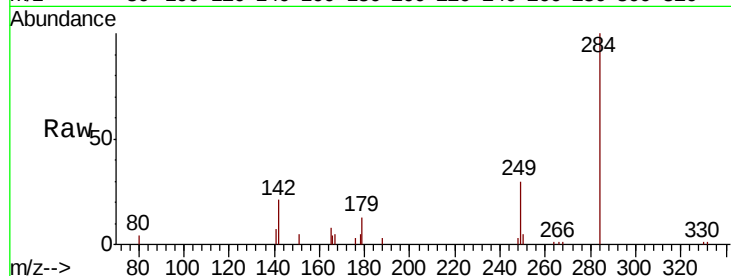
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:284 Resp: 7726

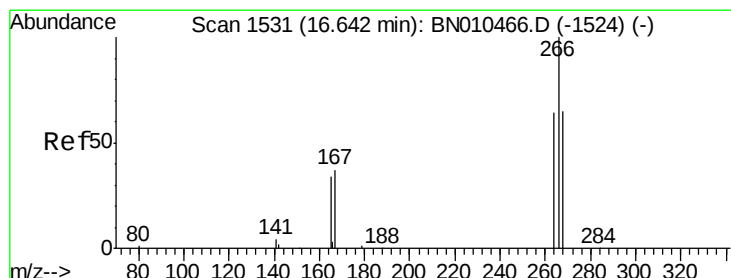
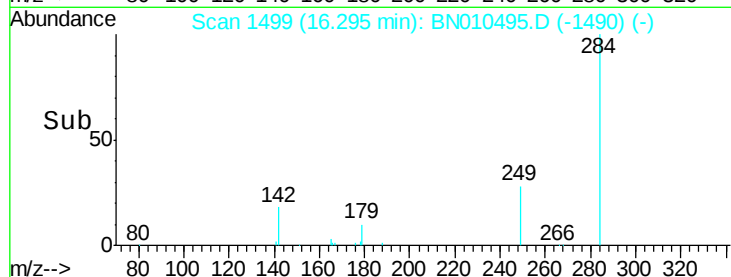
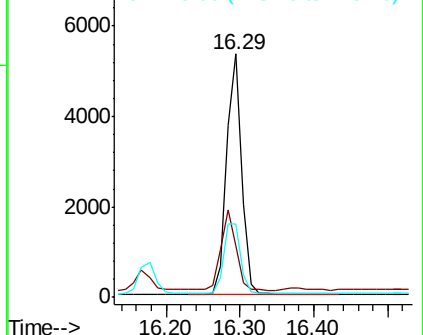
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 284 | 100   |       |       |
| 142 | 33.2  | 25.5  | 38.3  |
| 249 | 32.5  | 25.8  | 38.6  |



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: 1.695 ng

RT: 16.63 min Scan# 1531

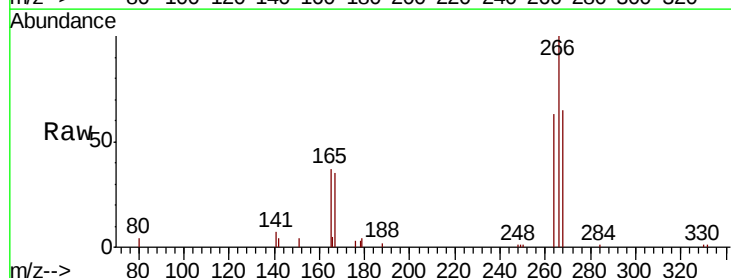
Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Tgt Ion:266 Resp: 10200

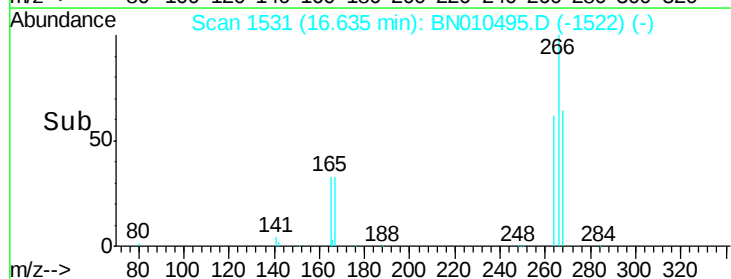
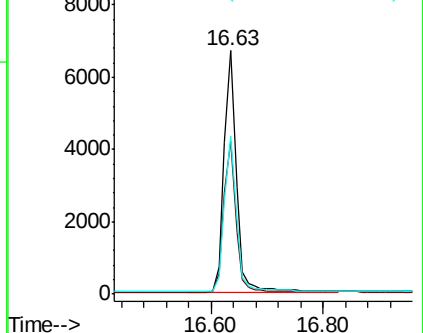
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 62.5  | 51.8  | 77.6  |
| 268 | 64.7  | 53.7  | 80.5  |

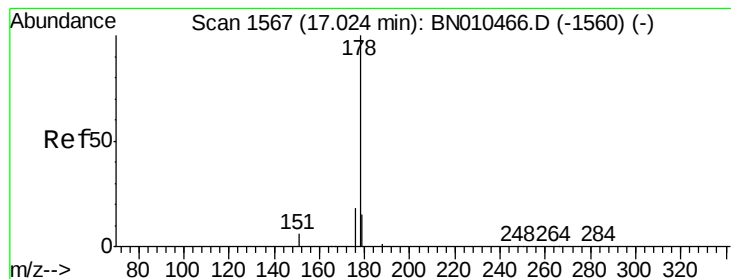


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.578 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

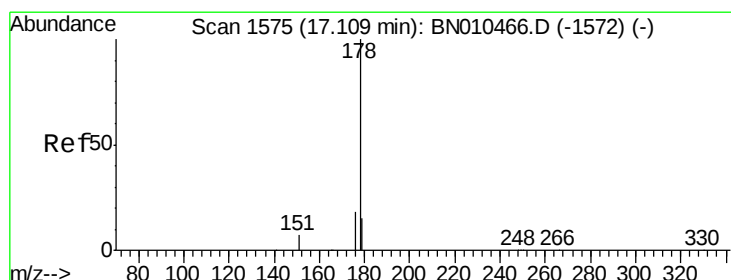
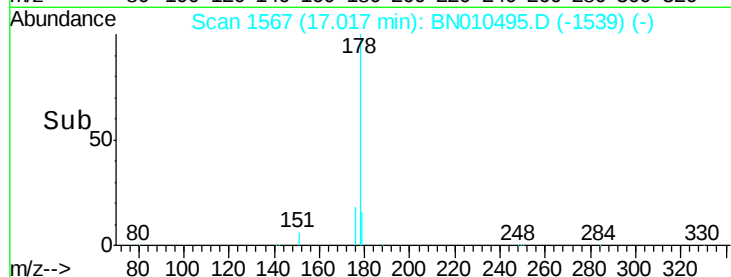
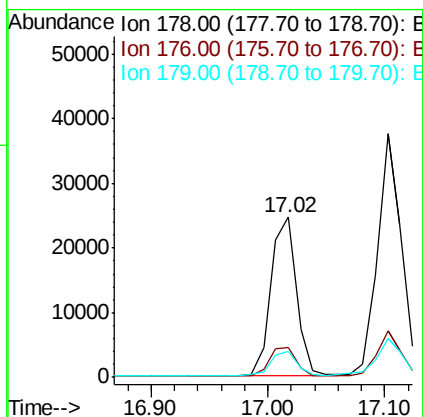
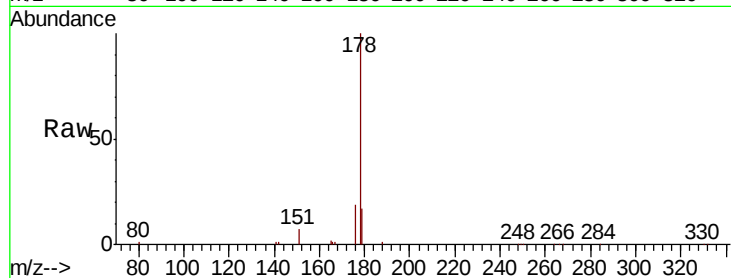
Tot Ion:178 Resp: 37640

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.9 12.6 18.8



#24

Anthracene

Concen: 0.897 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

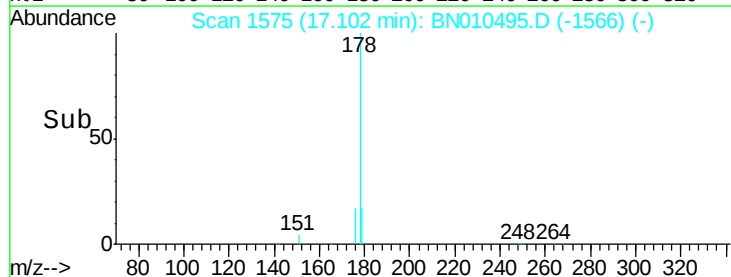
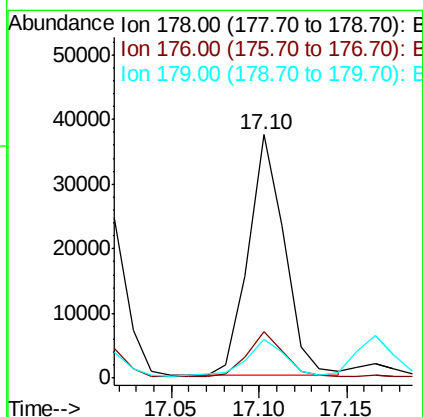
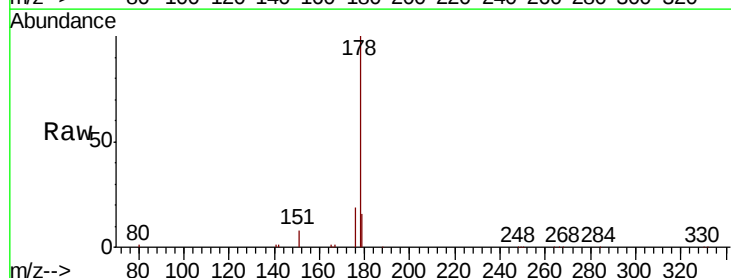
Tgt Ion:178 Resp: 53401

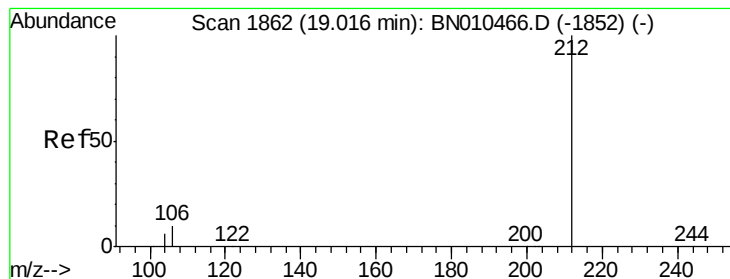
Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

179 16.2 12.2 18.2





#25

Fluoranthene-d10

Concen: 0.421 ng

RT: 19.01 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

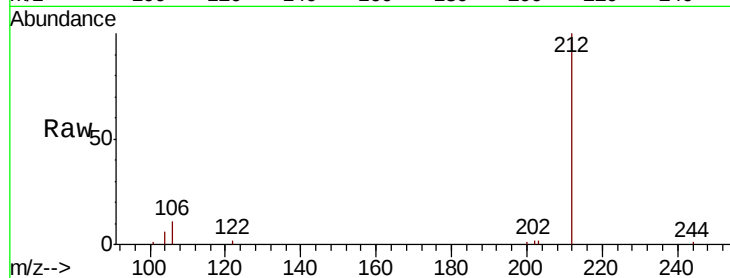
Tot Ion:212 Resp: 30776

Ion Ratio Lower Upper

212 100

106 10.5 7.8 11.6

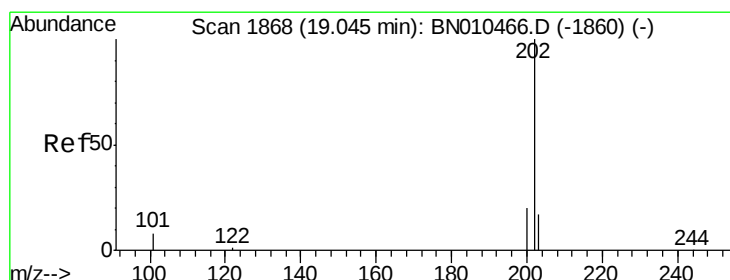
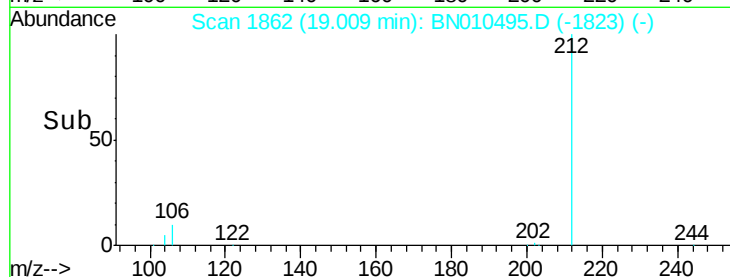
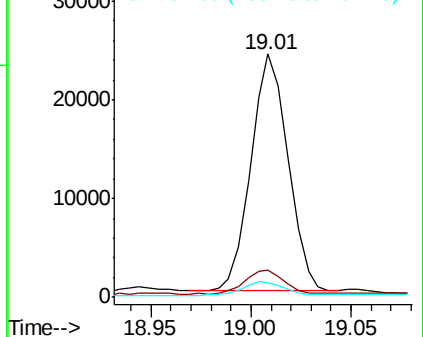
104 6.1 4.5 6.7



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.024 ng

RT: 19.04 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

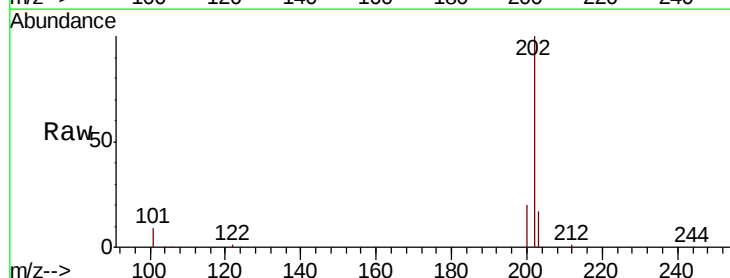
Tgt Ion:202 Resp: 164088

Ion Ratio Lower Upper

202 100

101 8.4 6.9 10.3

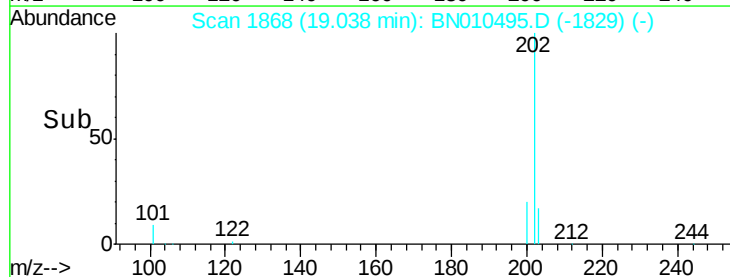
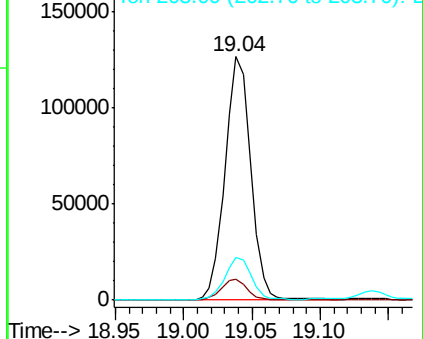
203 17.3 13.9 20.9

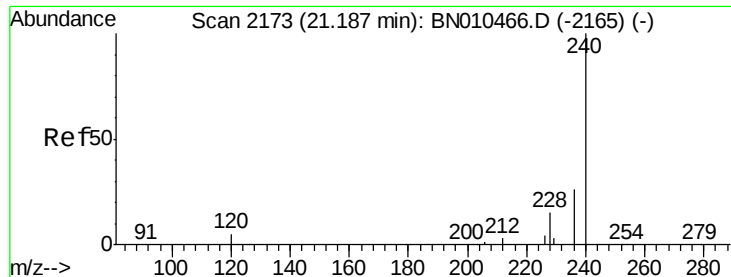


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

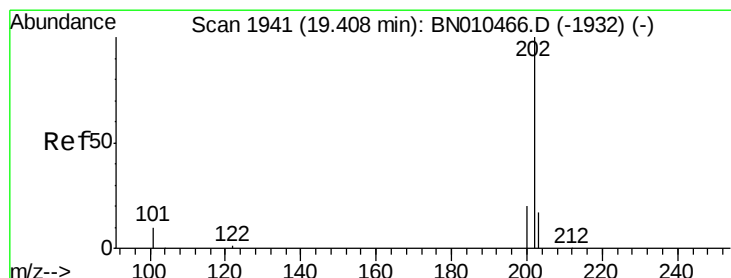
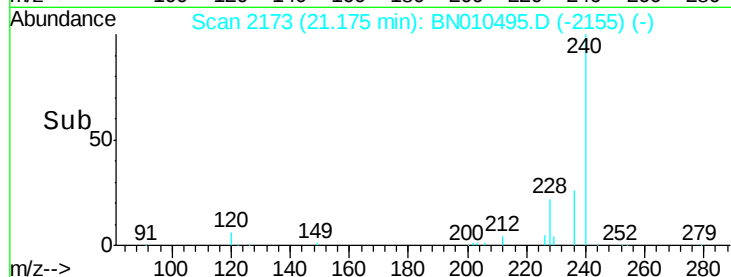
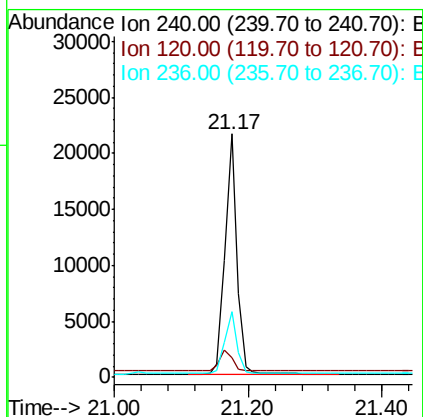
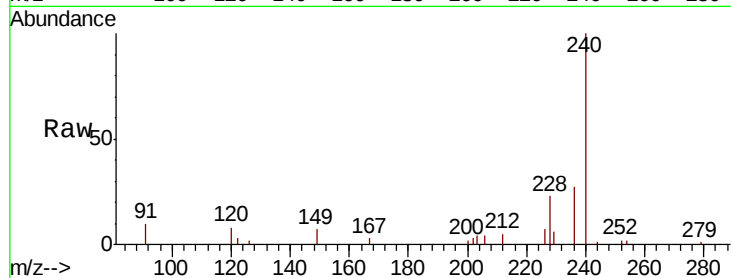




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.17 min Scan# 2173  
 Delta R.T. -0.01 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

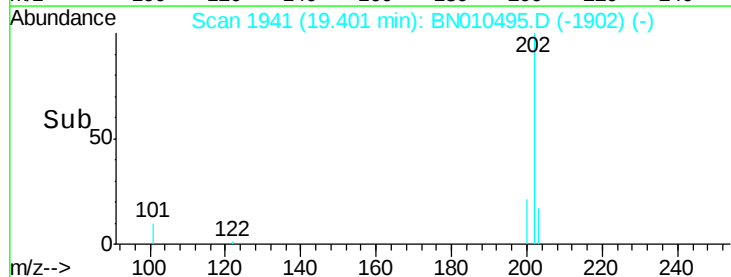
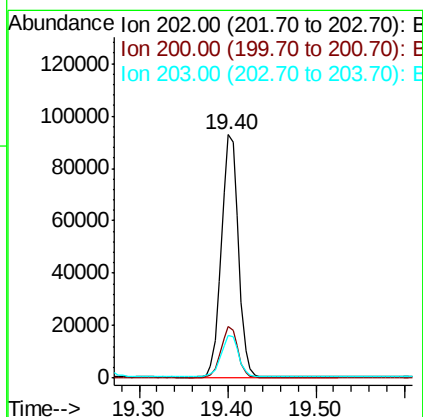
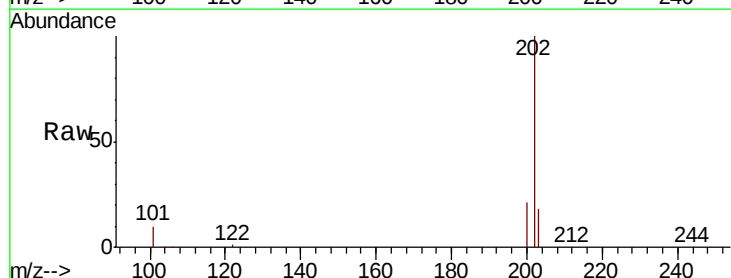
Instrument :  
 BNA\_N  
 ClientSampleId :

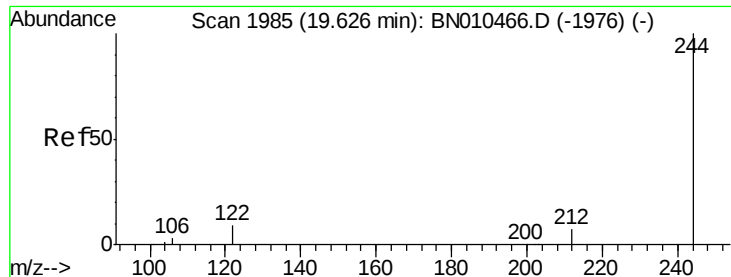
Tot Ion:240 Resp: 26154  
 Ion Ratio Lower Upper  
 240 100  
 120 8.2 4.8 7.2#  
 236 27.0 21.4 32.0



#28  
 Pyrene  
 Concen: 1.407 ng  
 RT: 19.40 min Scan# 1941  
 Delta R.T. -0.01 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

Tgt Ion:202 Resp: 123876  
 Ion Ratio Lower Upper  
 202 100  
 200 20.6 16.3 24.5  
 203 17.7 14.0 21.0





#29

Terphenyl-d14

Concen: 0.736 ng

RT: 19.62 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampled :

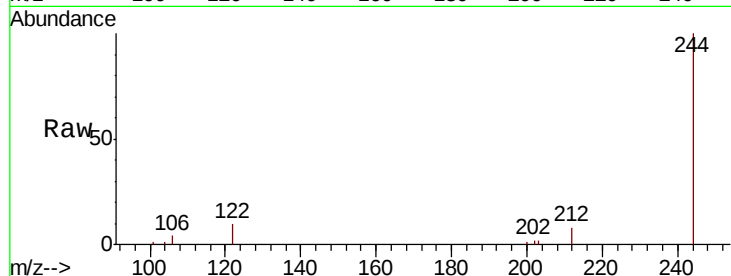
Tot Ion:244 Resp: 44030

Ion Ratio Lower Upper

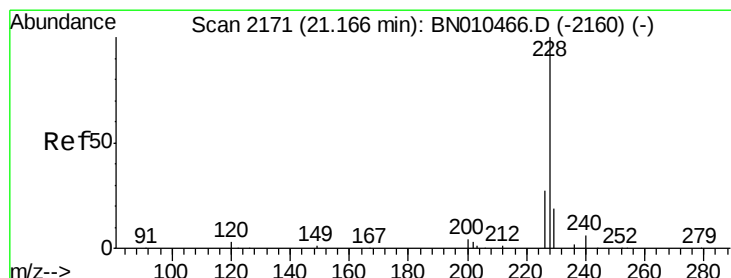
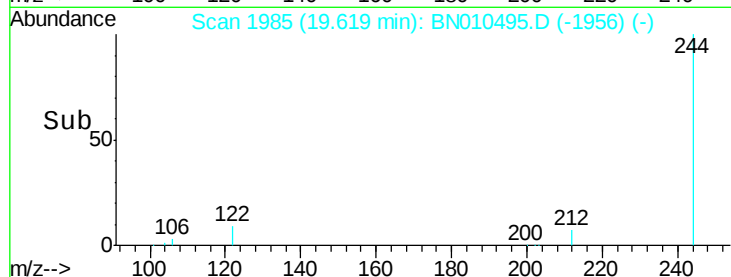
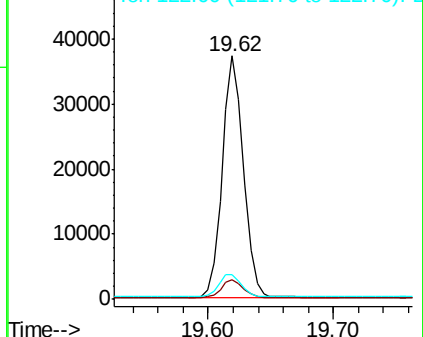
244 100

212 8.1 6.2 9.4

122 10.1 7.8 11.8



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: 0.601 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

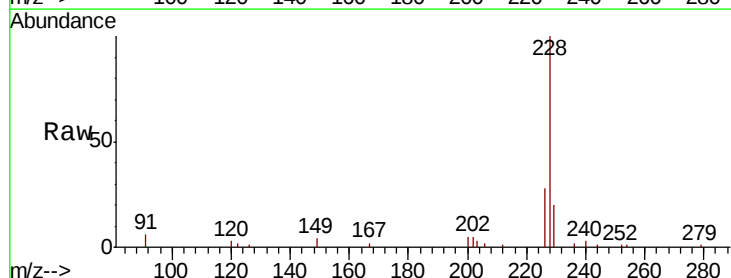
Tgt Ion:228 Resp: 51281

Ion Ratio Lower Upper

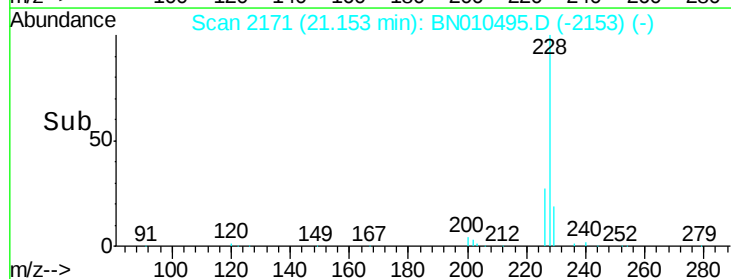
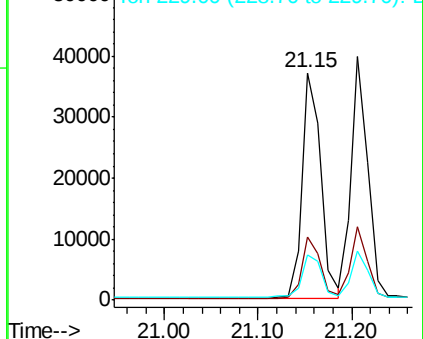
228 100

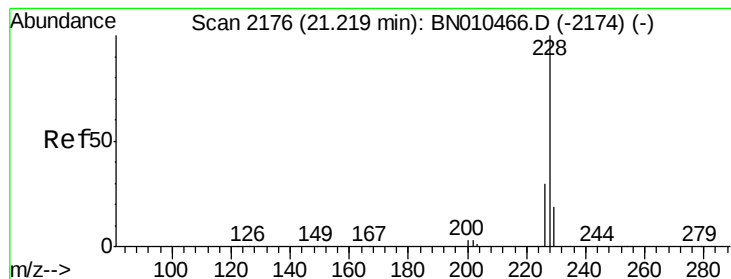
226 27.8 21.7 32.5

229 20.0 15.6 23.4



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: 0.584 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

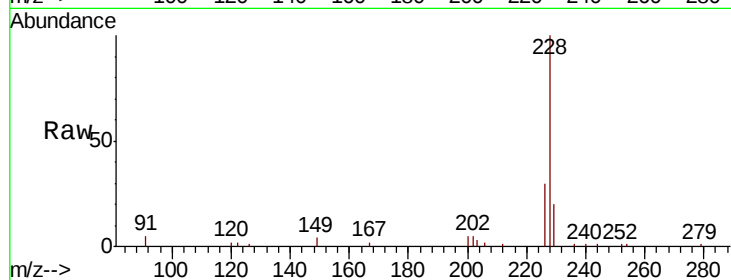
Tot Ion:228 Resp: 49638

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

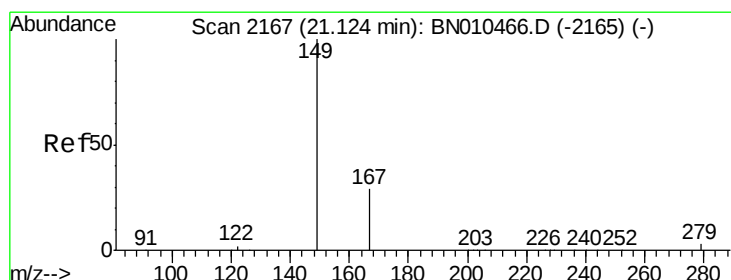
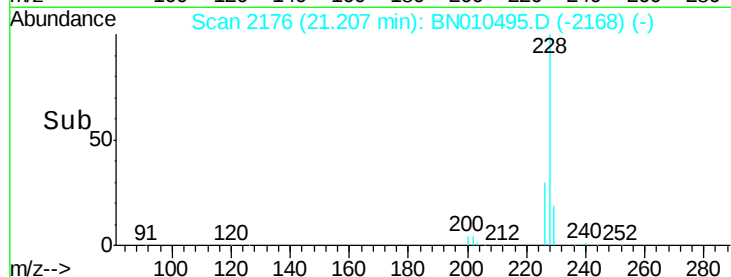
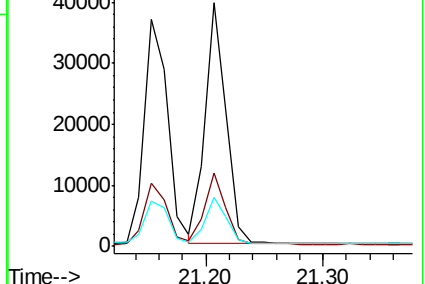
229 20.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.578 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

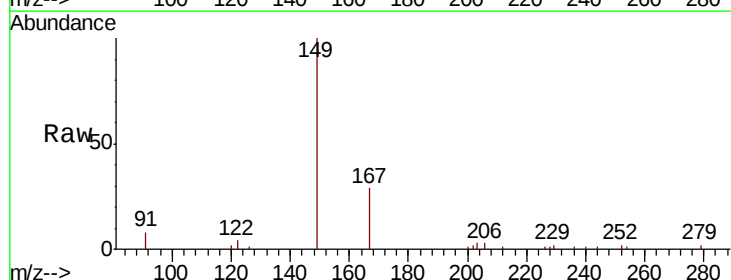
Tgt Ion:149 Resp: 25299

Ion Ratio Lower Upper

149 100

167 28.9 23.4 35.0

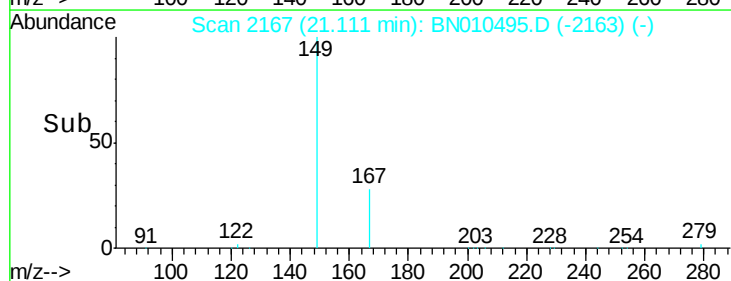
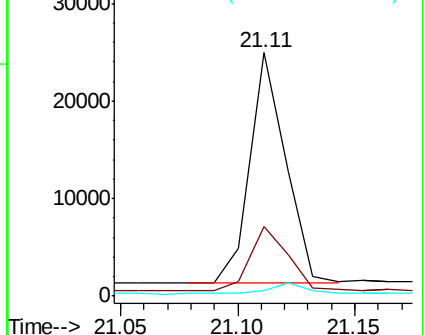
279 4.7 4.0 6.0

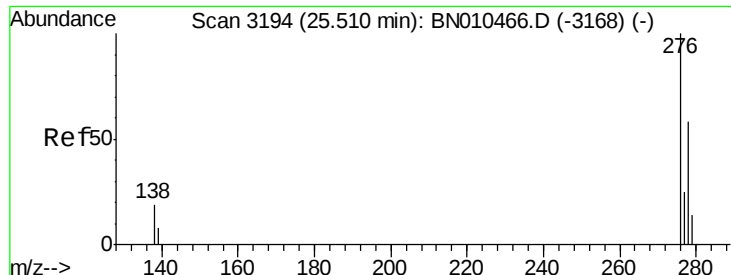


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

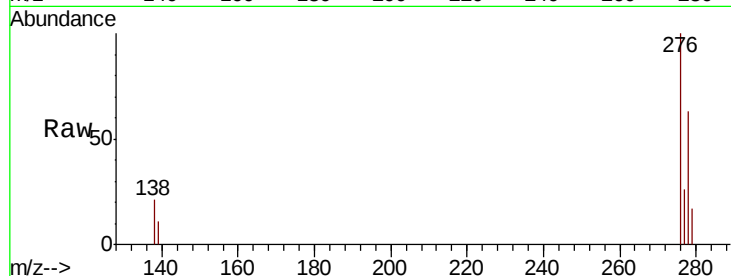




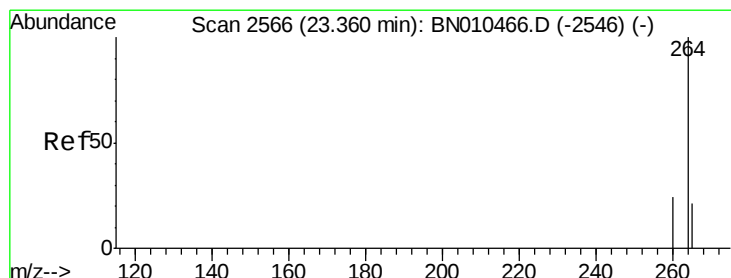
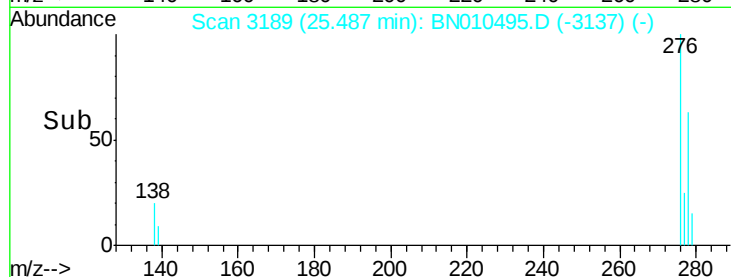
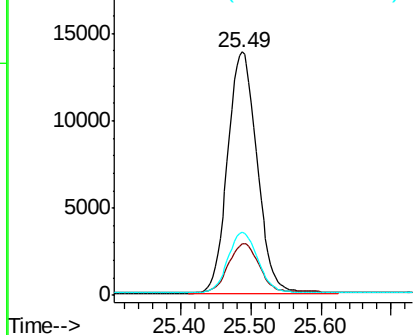
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.539 ng  
 RT: 25.49 min Scan# 3189  
 Delta R.T. -0.02 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:276 Resp: 40509  
 Ion Ratio Lower Upper  
 276 100  
 138 20.8 16.4 24.6  
 277 25.0 19.8 29.6

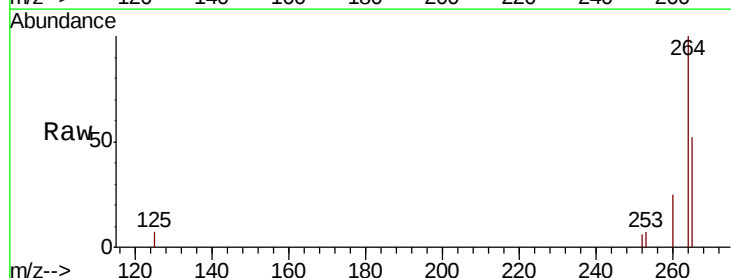


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

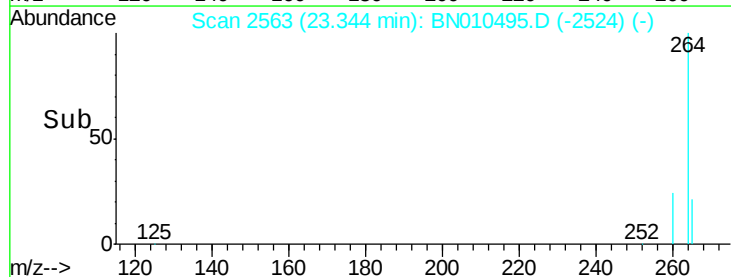
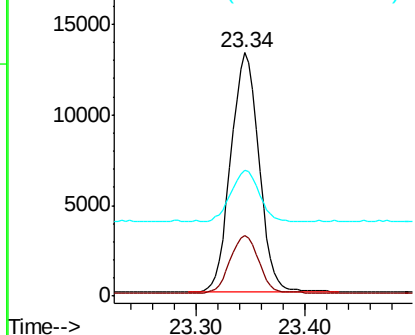


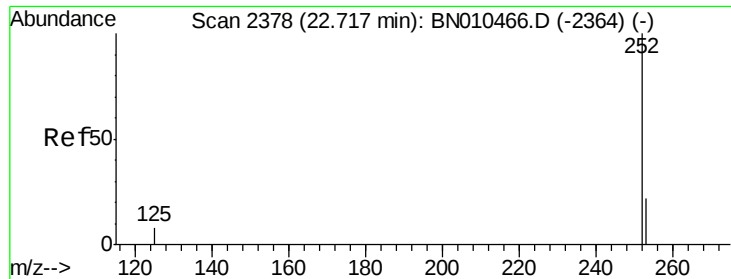
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.34 min Scan# 2563  
 Delta R.T. -0.02 min  
 Lab File: BN010495.D  
 Acq: 15 Apr 2020 01:42

Tgt Ion:264 Resp: 23730  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.8 29.8  
 265 51.5 42.3 63.5



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: 0.562 ng

RT: 22.70 min Scan# 2375

Delta R.T. -0.02 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :

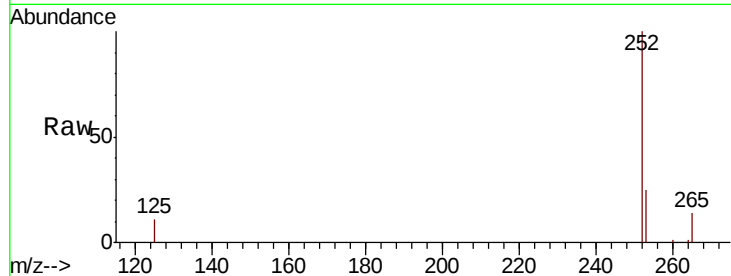
Tot Ion:252 Resp: 43933

Ion Ratio Lower Upper

252 100

253 24.7 20.2 30.4

125 10.8 9.2 13.8

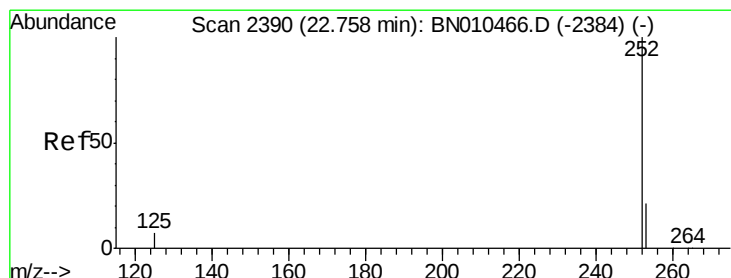
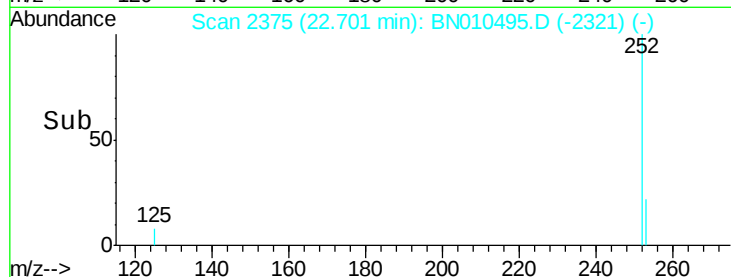
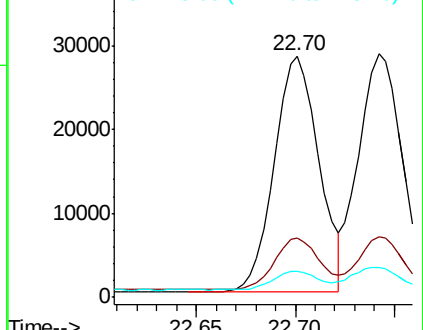


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.566 ng

RT: 22.74 min Scan# 2387

Delta R.T. -0.02 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

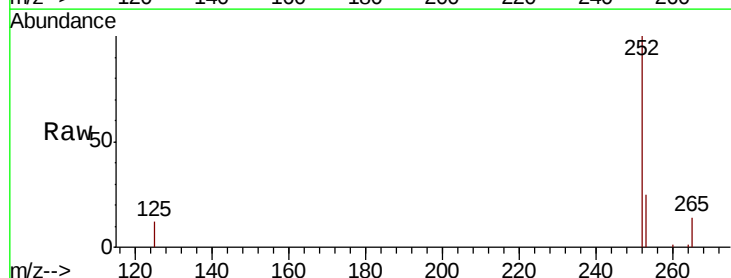
Tgt Ion:252 Resp: 44290

Ion Ratio Lower Upper

252 100

253 25.0 20.1 30.1

125 12.3 9.6 14.4

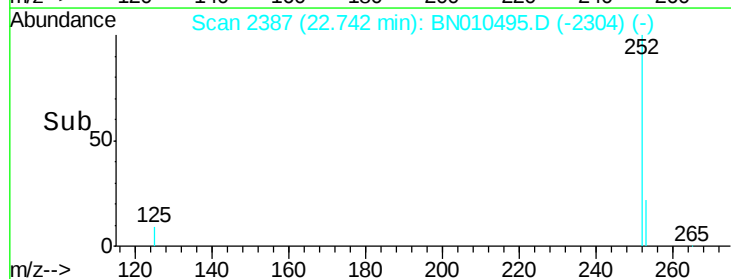
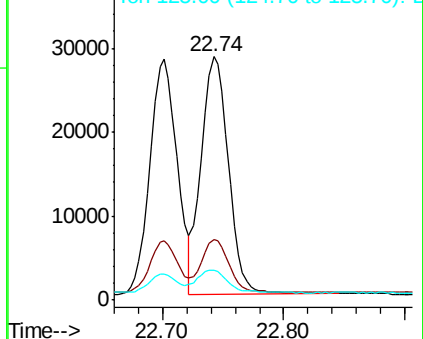


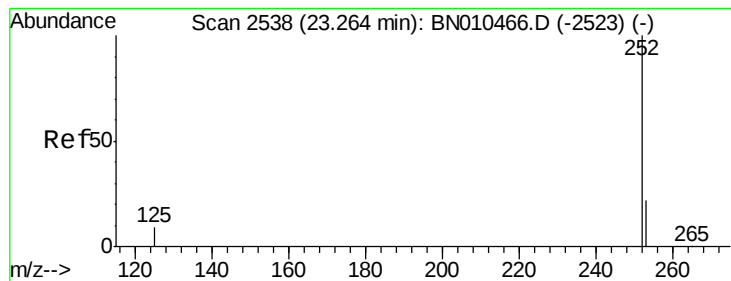
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.568 ng

RT: 23.25 min Scan# 2535

Delta R.T. -0.02 min

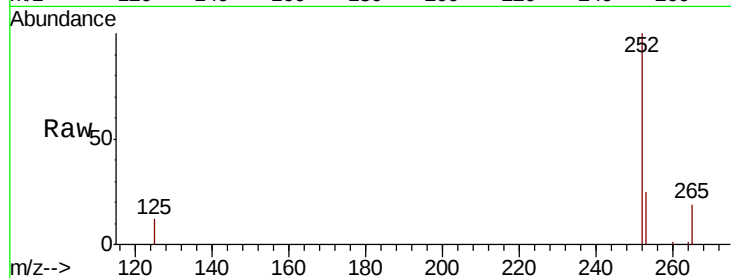
Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :



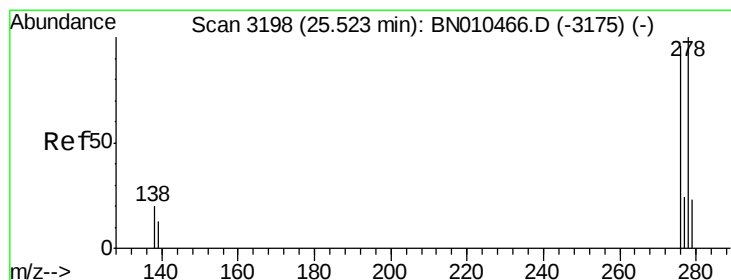
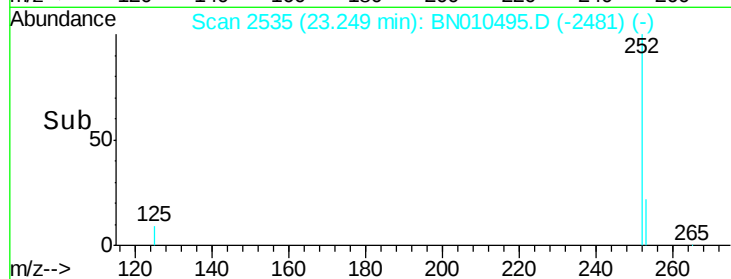
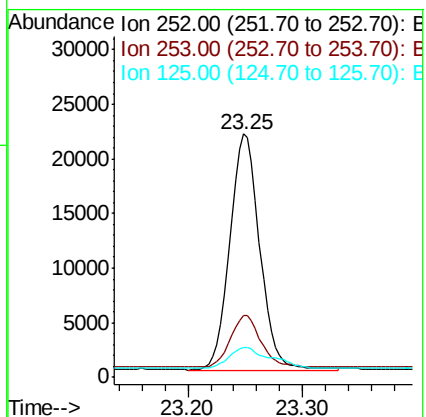
Tot Ion:252 Resp: 39310

Ion Ratio Lower Upper

252 100

253 25.4 21.8 32.8

125 12.4 11.0 16.6



#38

Dibenzo(a,h)anthracene

Concen: 0.536 ng

RT: 25.50 min Scan# 3194

Delta R.T. -0.02 min

Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

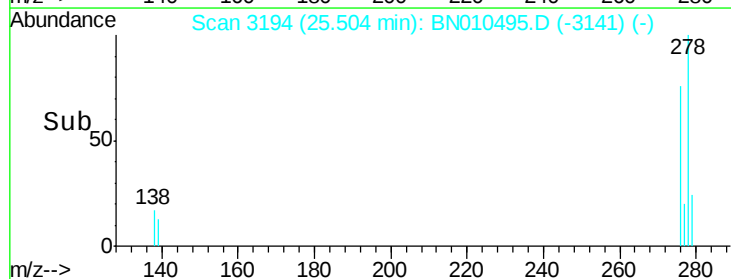
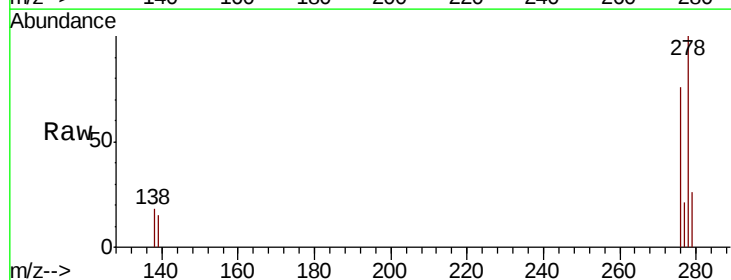
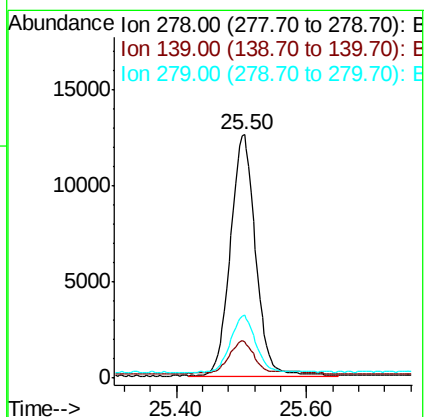
Tgt Ion:278 Resp: 33890

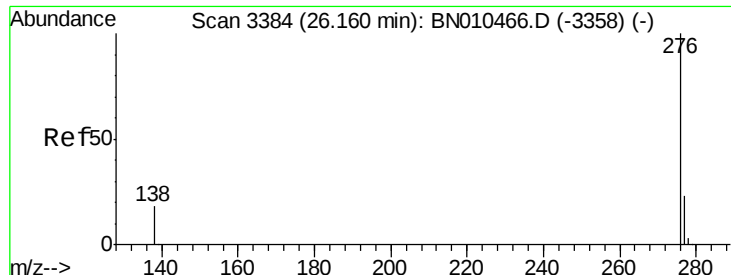
Ion Ratio Lower Upper

278 100

139 14.8 12.3 18.5

279 25.7 21.9 32.9





#39

Benzo(a,h,i)perylene

Concen: 0.536 ng

RT: 26.13 min Scan# 3378

Delta R.T. -0.03 min

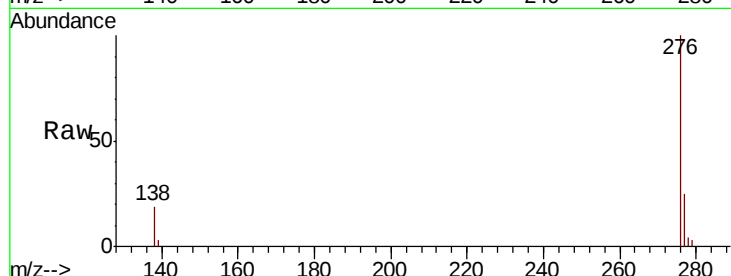
Lab File: BN010495.D

Acq: 15 Apr 2020 01:42

Instrument :

BNA\_N

ClientSampleId :



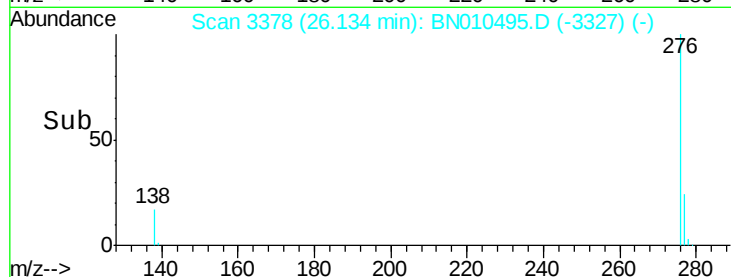
Tot Ion: 276 Resp: 34130

Ion Ratio Lower Upper

276 100

277 24.7 20.2 30.2

138 18.6 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

