

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040219\  
 Data File : BN005061.D  
 Acq On : 02 Apr 2019 14:35  
 Operator : JU/SJ  
 Sample : K2073-02MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 P001-TW001-03MS

Quant Time: Apr 02 16:20:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 29 03:42:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 3028     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 12745    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.30 | 164  | 7005     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.06 | 188  | 16066    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 16898    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.50 | 264  | 14958    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.26  | 112 | 1426  | 0.19 | ng | 0.00  |
| 5) Phenol-d6                | 6.85  | 99  | 1071  | 0.12 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 2906  | 0.39 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 8230  | 0.42 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1485  | 0.38 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 12008 | 0.45 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 18790 | 0.41 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.69 | 244 | 16130 | 0.46 | ng | 0.00  |

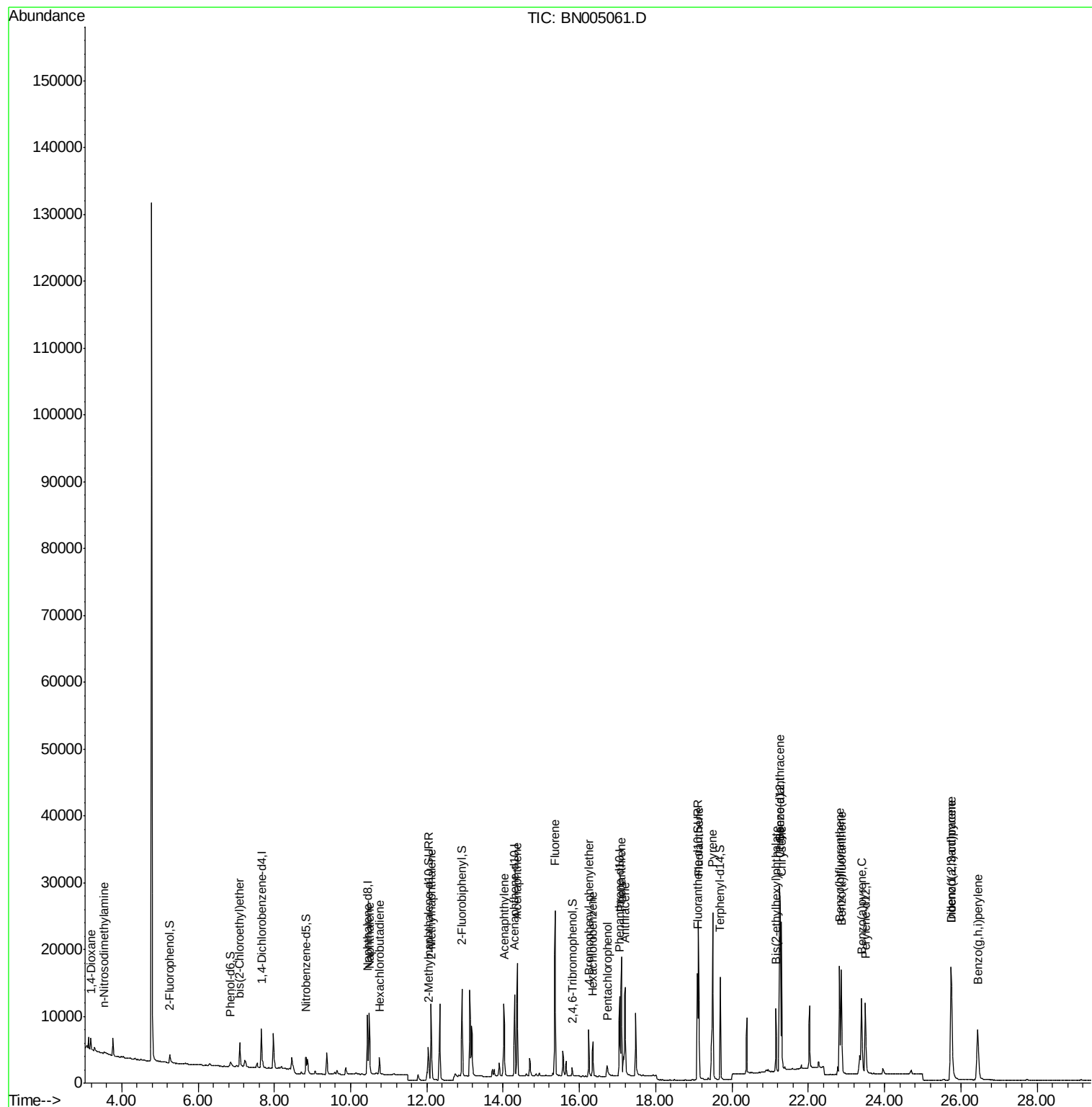
|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 1150  | 0.353 | ng     | # 85 |
| 3) n-Nitrosodimethylamine      | 3.54  | 42  | 249   | 0.125 | ng     | # 95 |
| 6) bis(2-Chloroethyl)ether     | 7.10  | 93  | 3263  | 0.386 | ng     | 96   |
| 9) Naphthalene                 | 10.49 | 128 | 12891 | 0.402 | ng     | 100  |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 2106  | 0.354 | ng     | # 99 |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 9117  | 0.395 | ng     | 98   |
| 16) Acenaphthylene             | 14.02 | 152 | 12729 | 0.385 | ng     | 100  |
| 17) Acenaphthene               | 14.37 | 154 | 8609  | 0.410 | ng     | 99   |
| 18) Fluorene                   | 15.36 | 166 | 11615 | 0.412 | ng     | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 3797  | 0.413 | ng     | 96   |
| 21) Hexachlorobenzene          | 16.36 | 284 | 4249  | 0.418 | ng     | 98   |
| 22) Pentachlorophenol          | 16.73 | 266 | 1676  | 0.841 | ng     | 97   |
| 23) Phenanthrene               | 17.10 | 178 | 19048 | 0.424 | ng     | 99   |
| 24) Anthracene                 | 17.20 | 178 | 16732 | 0.418 | ng     | 100  |
| 26) Fluoranthene               | 19.13 | 202 | 22142 | 0.402 | ng     | 100  |
| 28) Pyrene                     | 19.49 | 202 | 22800 | 0.475 | ng     | 99   |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 19694 | 0.413 | ng     | 100  |
| 31) Chrysene                   | 21.30 | 228 | 21096 | 0.411 | ng     | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 8246  | 0.413 | ng     | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.75 | 276 | 20970 | 0.363 | ng     | 100  |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 20587 | 0.429 | ng     | 99   |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 20892 | 0.451 | ng     | 100  |
| 37) Benzo(a)pyrene             | 23.40 | 252 | 18438 | 0.432 | ng     | 99   |
| 38) Dibenzo(a,h)anthracene     | 25.75 | 278 | 17425 | 0.408 | ng     | 100  |
| 39) Benzo(g,h,i)perylene       | 26.44 | 276 | 17718 | 0.412 | ng     | 99   |

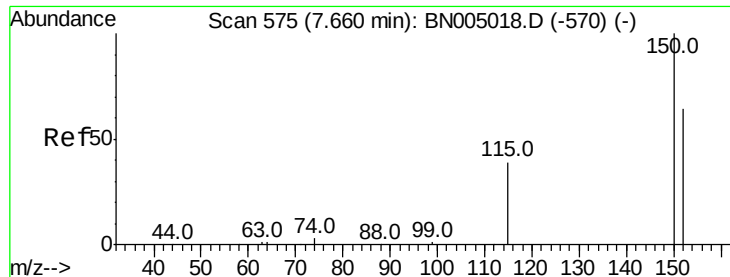
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 29 03:42:17 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

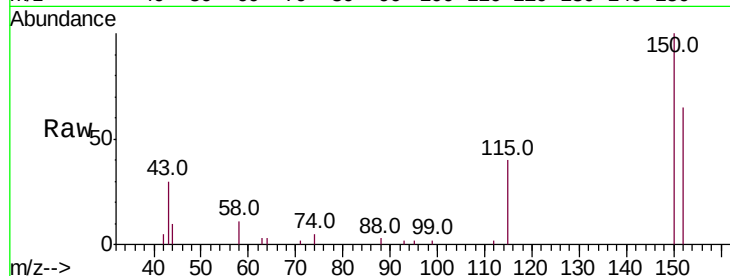
Tot Ion:152 Resp: 3028

Ion Ratio Lower Upper

152 100

150 153.6 123.4 185.2

115 61.4 50.0 75.0

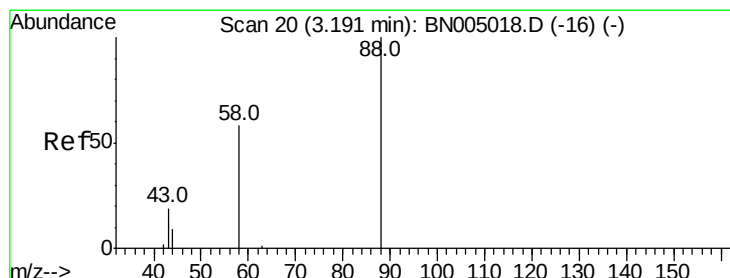
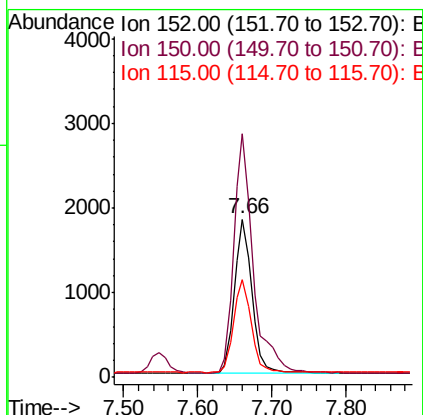
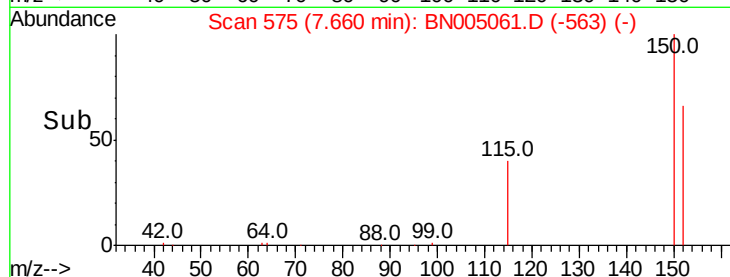


Abundance

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: 0.353 ng

RT: 3.19 min Scan# 20

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

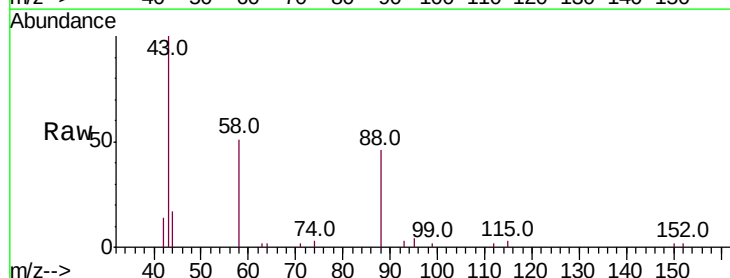
Tgt Ion: 88 Resp: 1150

Ion Ratio Lower Upper

88 100

58 66.4 52.8 79.2

43 50.7 19.6 29.4#

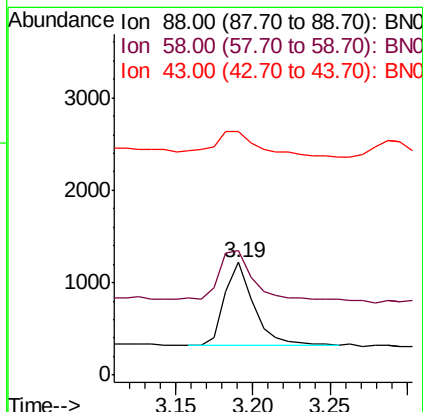
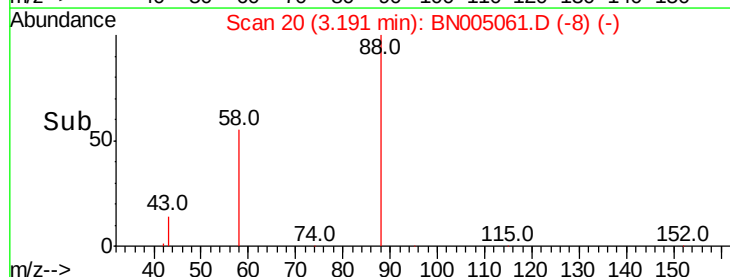


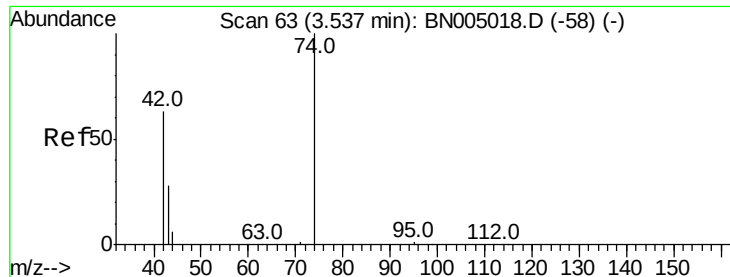
Abundance

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: 0.125 ng

RT: 3.54 min Scan# 63

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

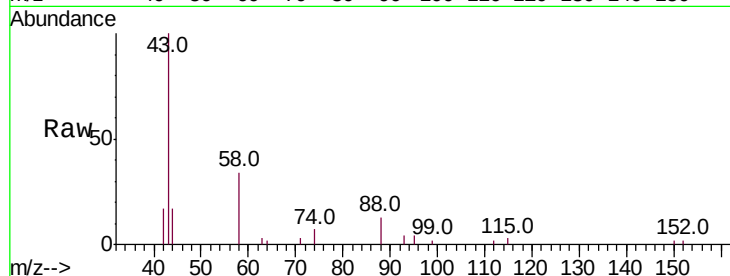
Tot Ion: 42 Resp: 249

Ion Ratio Lower Upper

42 100

74 164.7 129.1 193.7

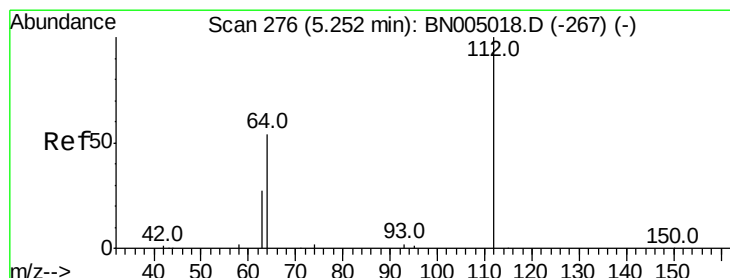
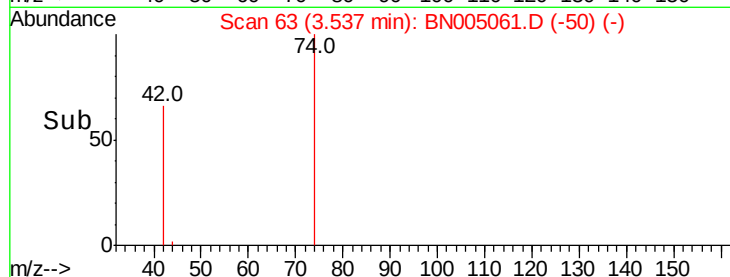
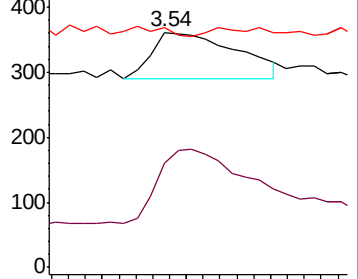
44 0.0 11.6 17.4#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.189 ng

RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

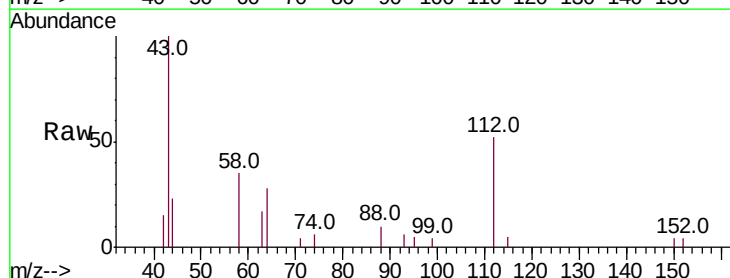
Tgt Ion: 112 Resp: 1426

Ion Ratio Lower Upper

112 100

64 51.5 41.9 62.9

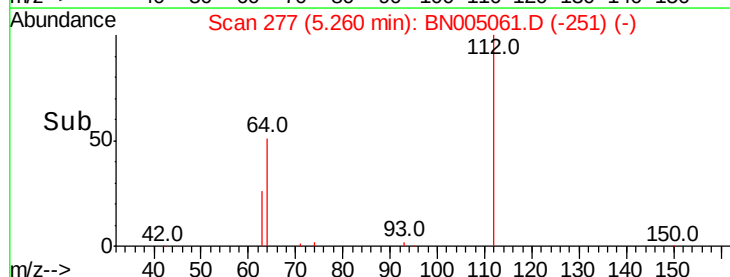
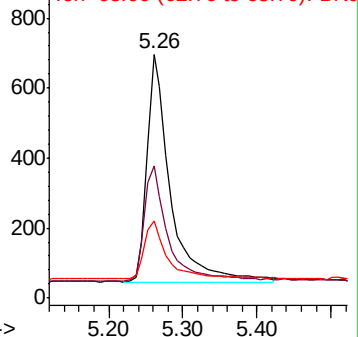
63 25.5 21.5 32.3

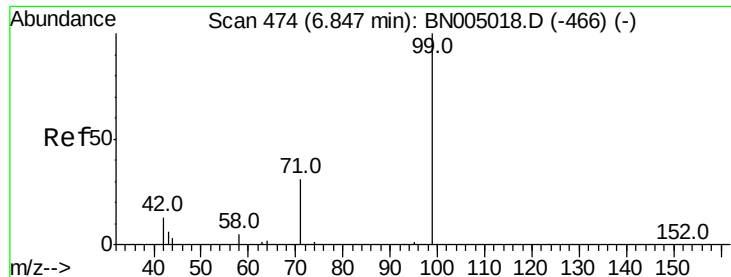


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.120 ng

RT: 6.85 min Scan# 475

Delta R.T. 0.01 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

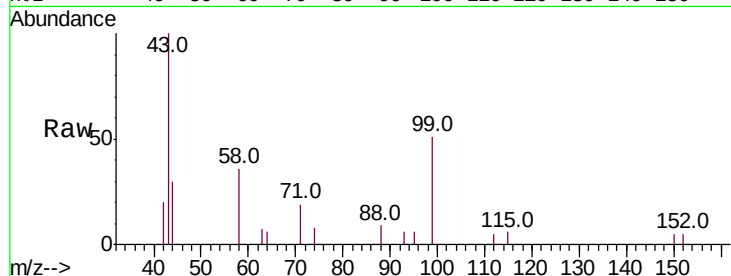
Tot Ion: 99 Resp: 1071

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

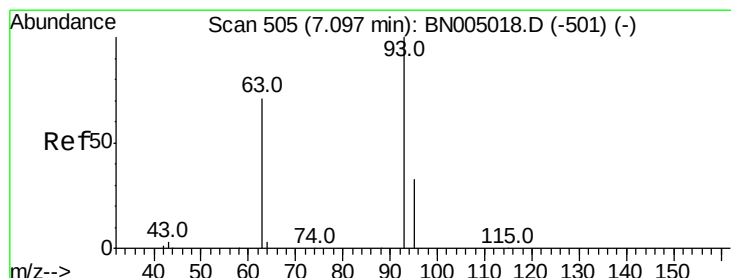
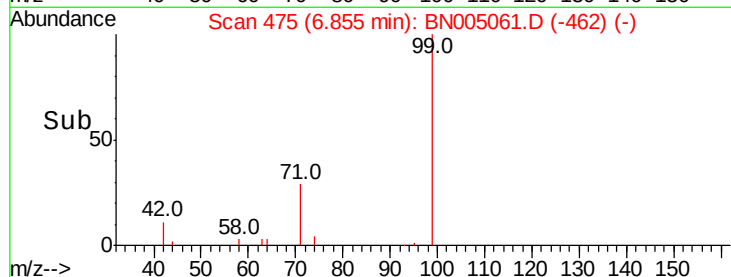
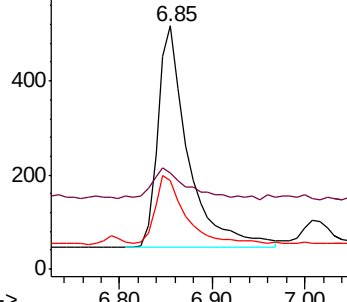
71 30.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.386 ng

RT: 7.10 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

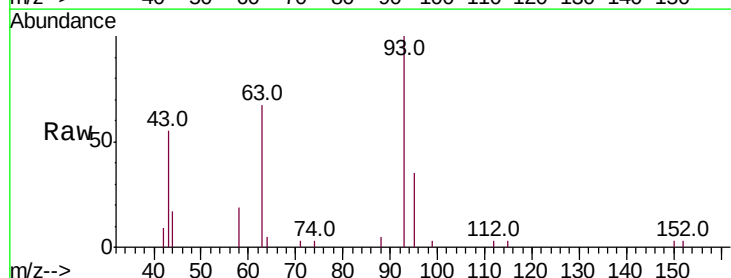
Tgt Ion: 93 Resp: 3263

Ion Ratio Lower Upper

93 100

63 67.6 51.8 77.6

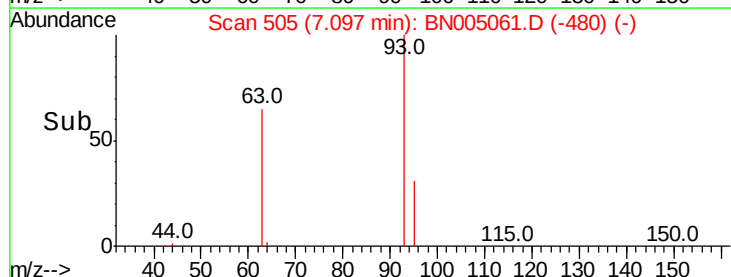
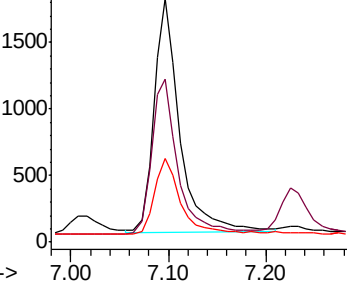
95 34.0 24.8 37.2

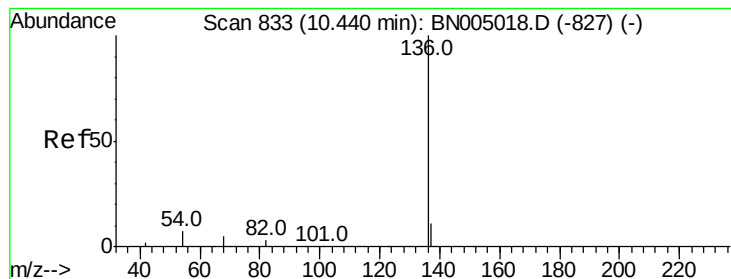


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

Tot Ion:136 Resp: 12745

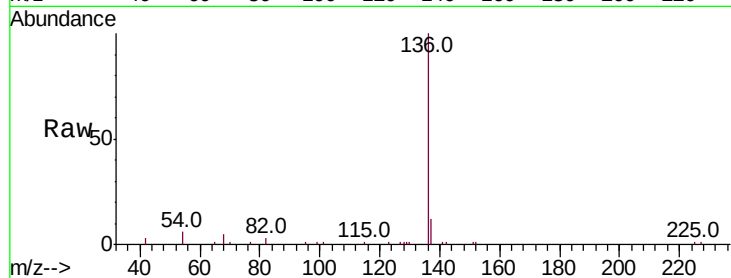
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 6.1 6.0 9.0

68 5.4 5.0 7.6

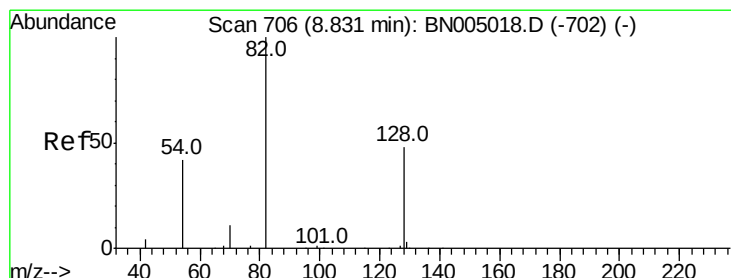
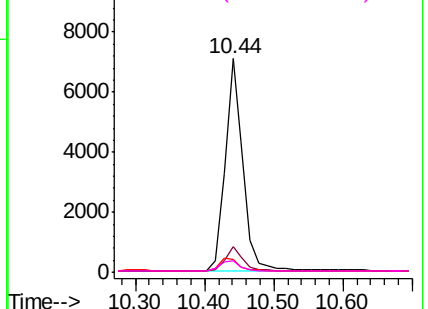
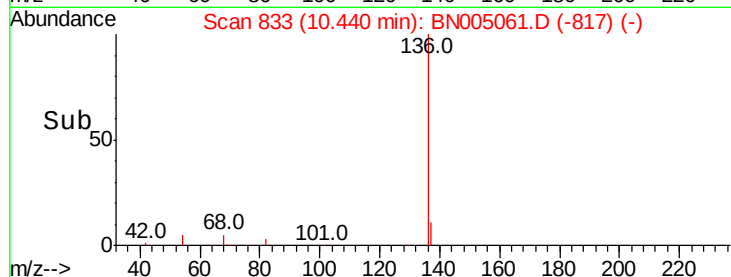


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.393 ng

RT: 8.82 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

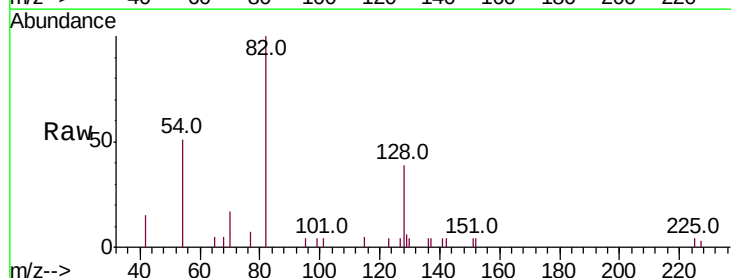
Tgt Ion: 82 Resp: 2906

Ion Ratio Lower Upper

82 100

128 38.9 40.5 60.7#

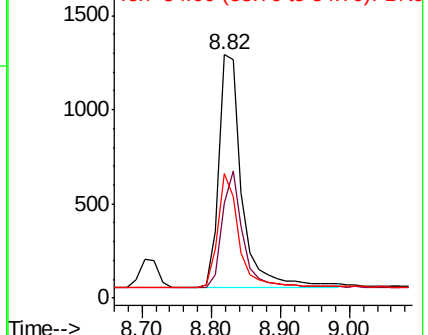
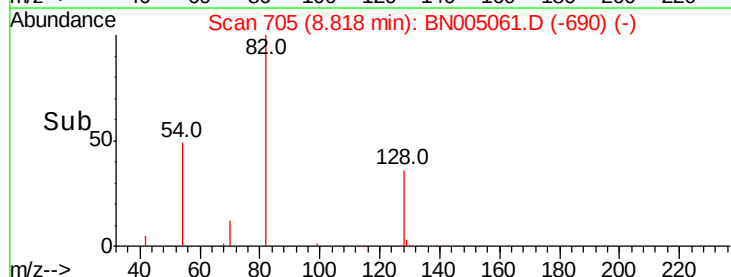
54 51.4 35.7 53.5

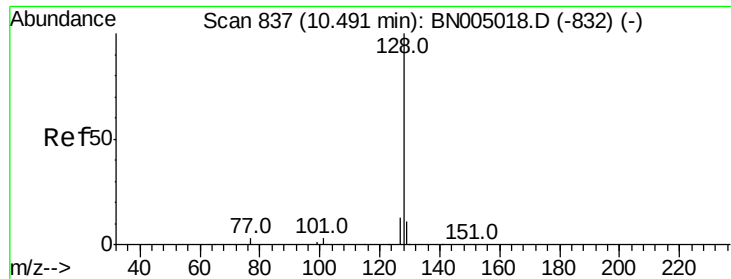


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.402 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

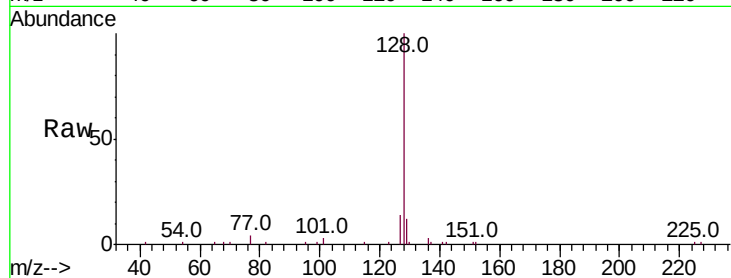
Tot Ion:128 Resp: 12891

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

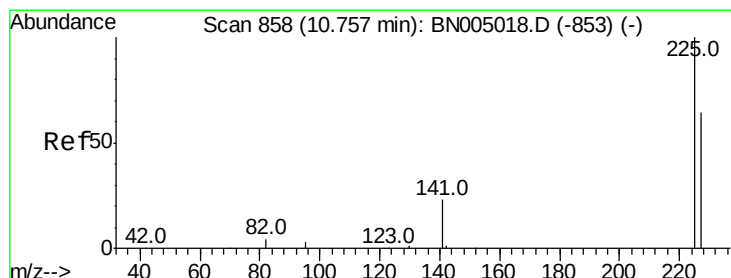
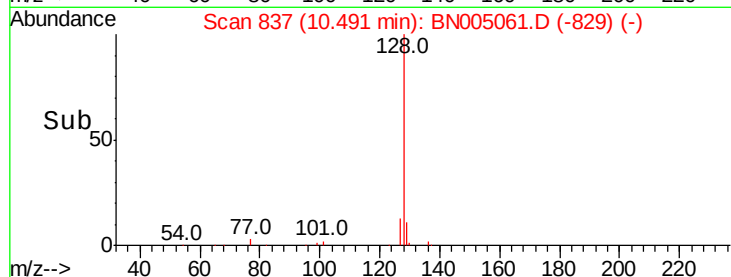
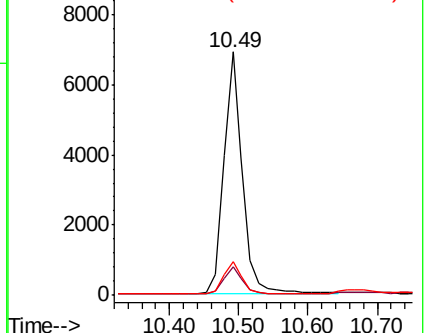
127 13.8 11.0 16.6



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: 0.354 ng

RT: 10.76 min Scan# 858

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

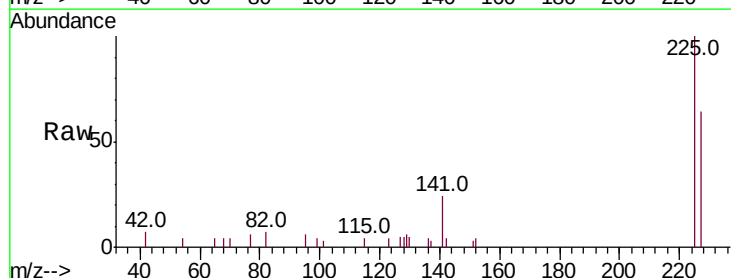
Tgt Ion:225 Resp: 2106

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

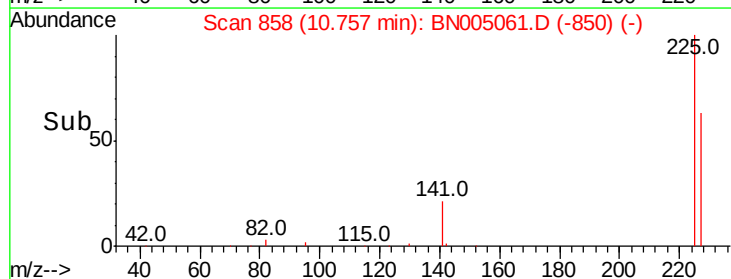
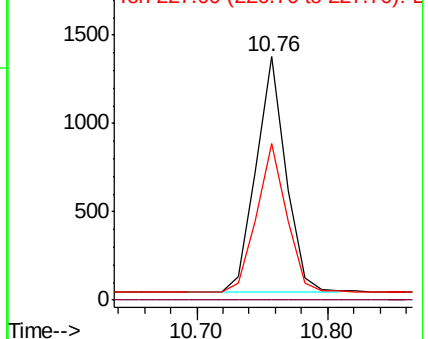
227 63.4 51.5 77.3

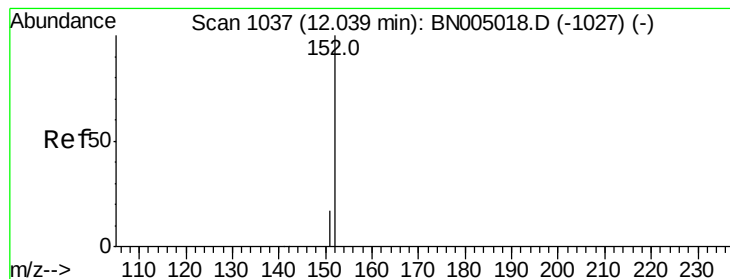


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.417 ng

RT: 12.04 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

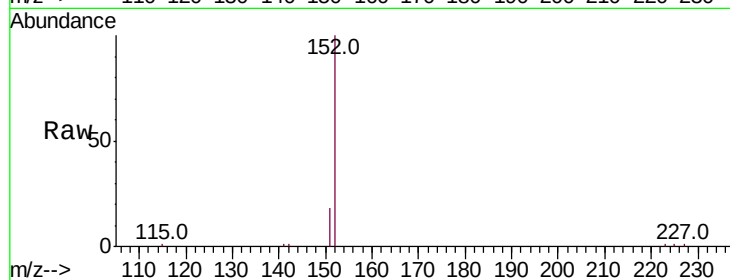
P001-TW001-03MS

Tot Ion:152 Resp: 8230

Ion Ratio Lower Upper

152 100

151 18.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.04

4000

3000

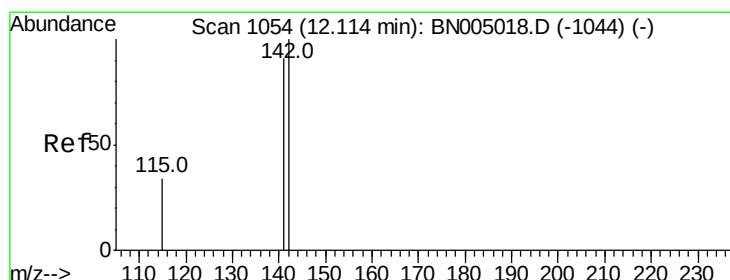
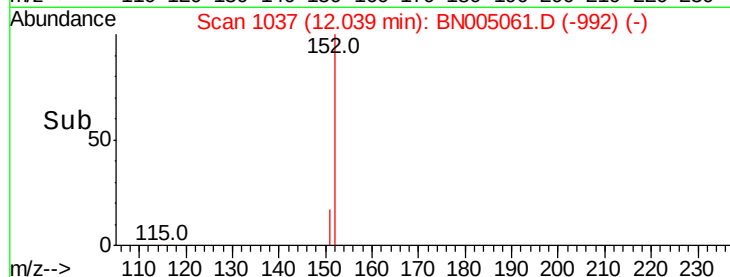
2000

1000

0

Time-->

12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.395 ng

RT: 12.11 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

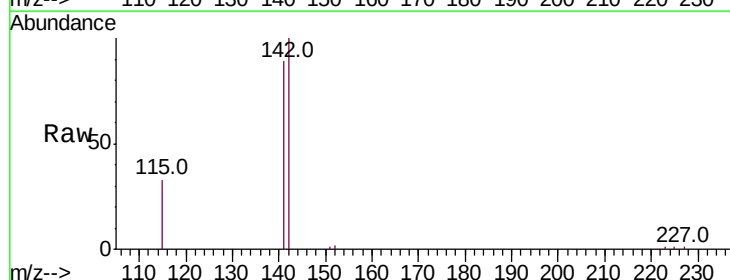
Tgt Ion:142 Resp: 9117

Ion Ratio Lower Upper

142 100

141 88.8 72.6 108.8

115 32.7 27.8 41.8



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

12.11

6000

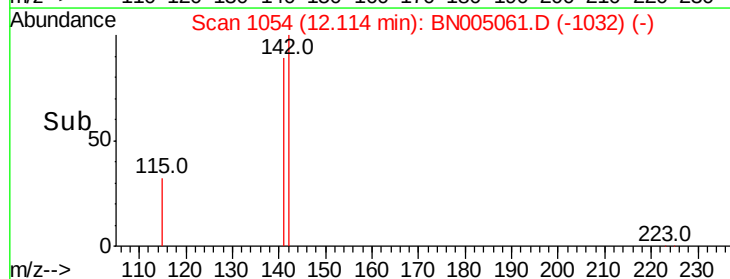
4000

2000

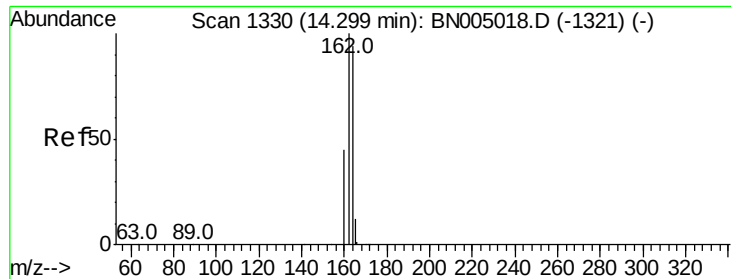
0

Time-->

12.00 12.10 12.20 12.30







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

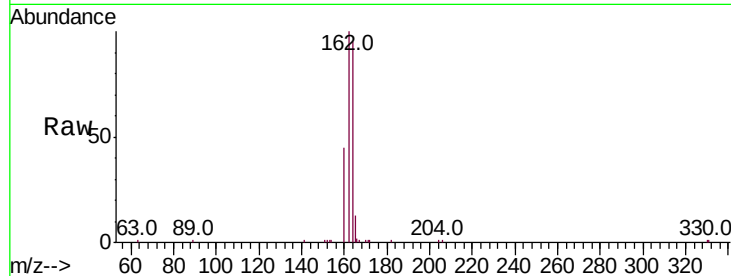
Tot Ion:164 Resp: 7005

Ion Ratio Lower Upper

164 100

162 105.6 85.3 127.9

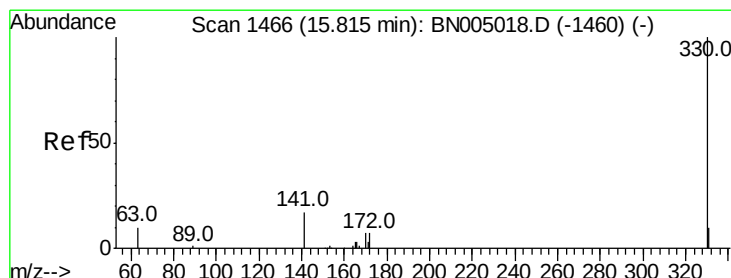
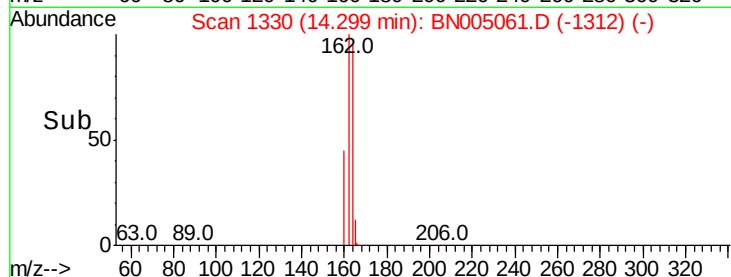
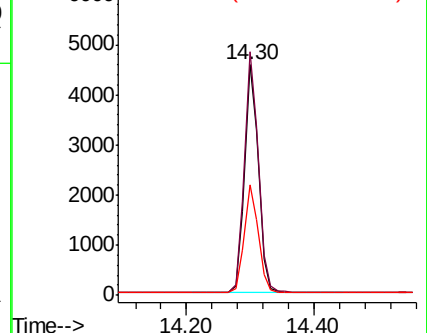
160 47.7 39.2 58.8



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: 0.378 ng

RT: 15.81 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

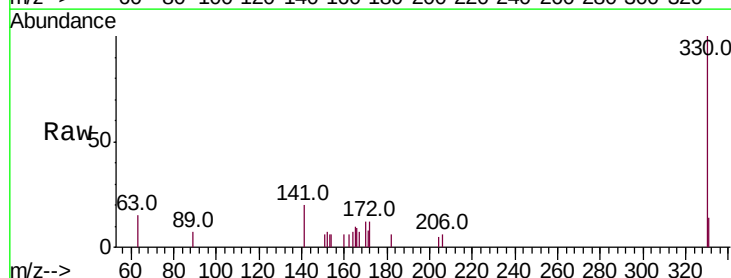
Tgt Ion:330 Resp: 1485

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

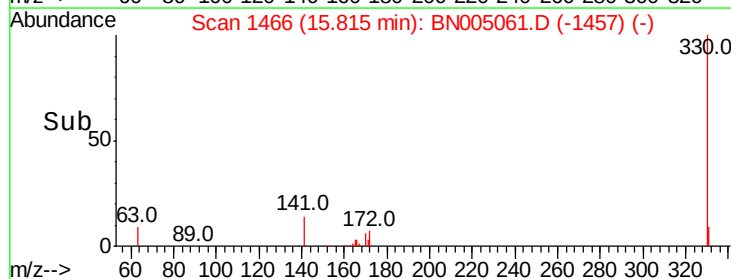
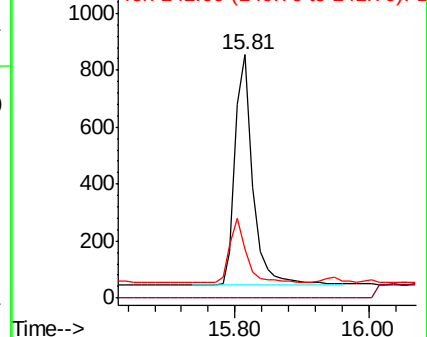
141 26.6 21.3 31.9

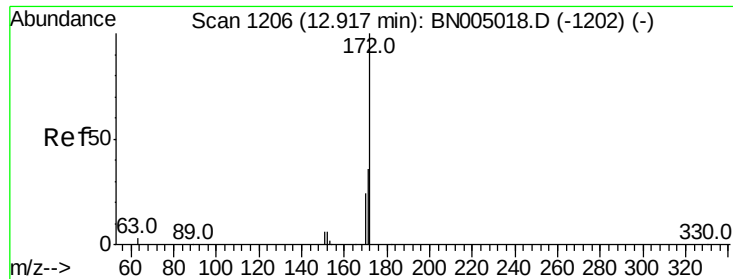


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.454 ng

RT: 12.92 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

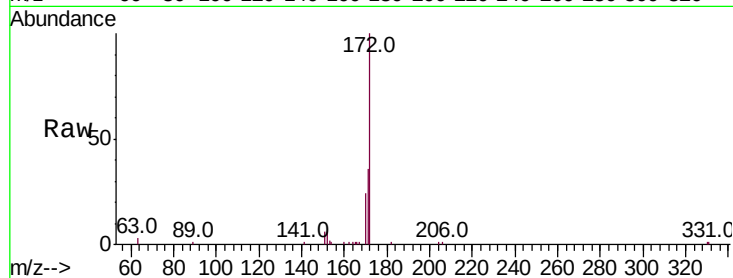
Tot Ion:172 Resp: 12008

Ion Ratio Lower Upper

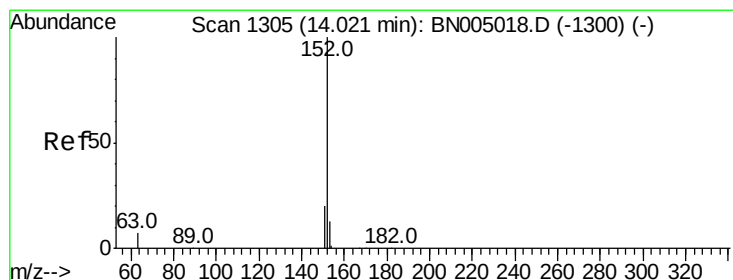
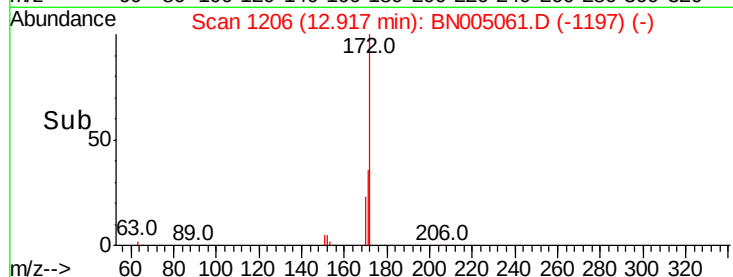
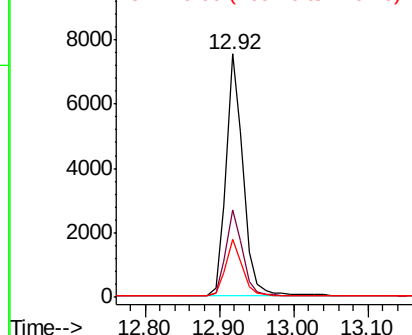
172 100

171 35.9 29.4 44.0

170 23.7 20.0 30.0



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.385 ng

RT: 14.02 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

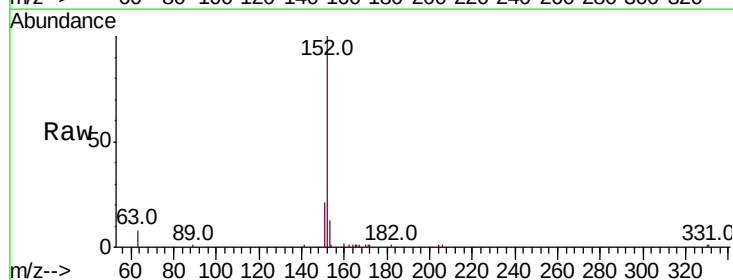
Tgt Ion:152 Resp: 12729

Ion Ratio Lower Upper

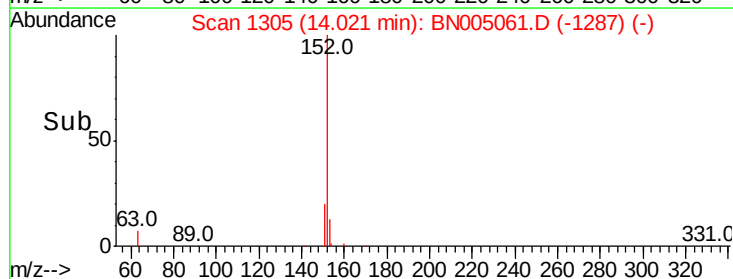
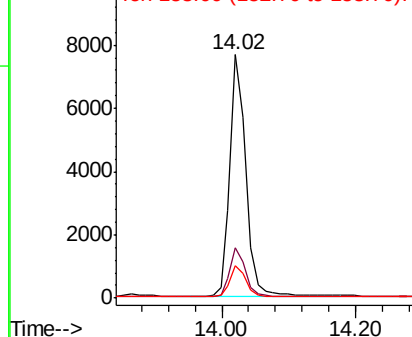
152 100

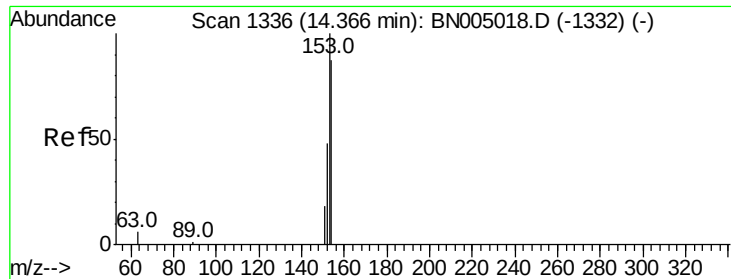
151 19.6 15.8 23.6

153 12.9 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.410 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

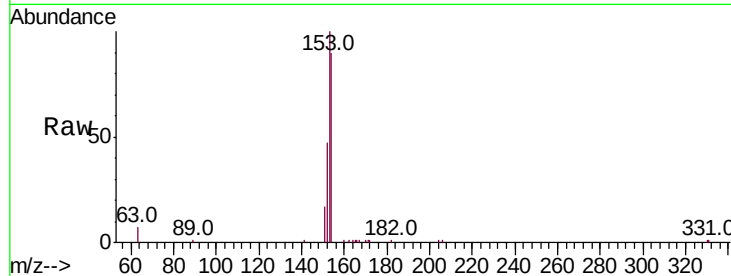
Tot Ion:154 Resp: 8609

Ion Ratio Lower Upper

154 100

153 114.1 92.1 138.1

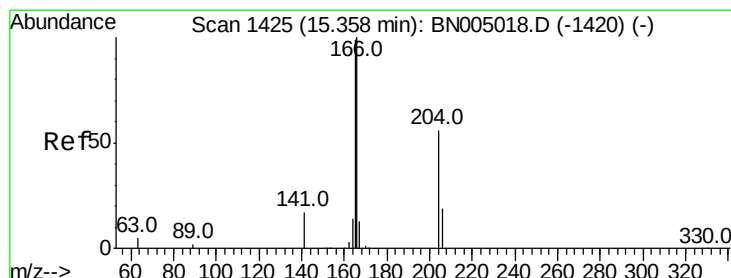
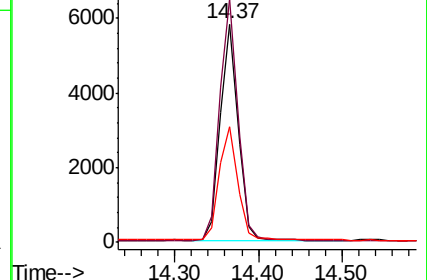
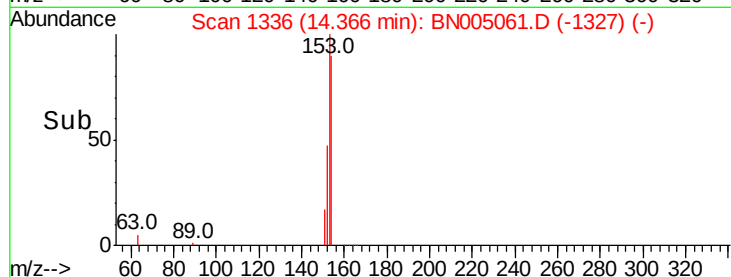
152 54.6 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.412 ng

RT: 15.36 min Scan# 1425

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

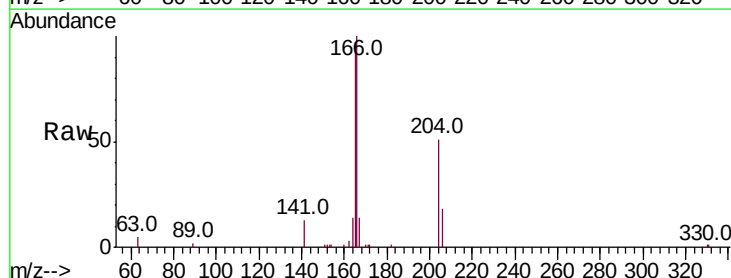
Tgt Ion:166 Resp: 11615

Ion Ratio Lower Upper

166 100

165 97.8 78.7 118.1

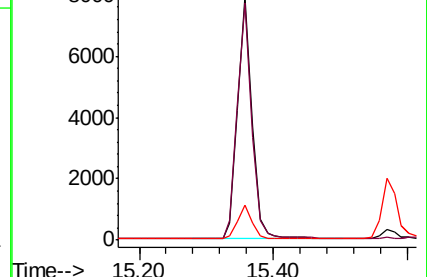
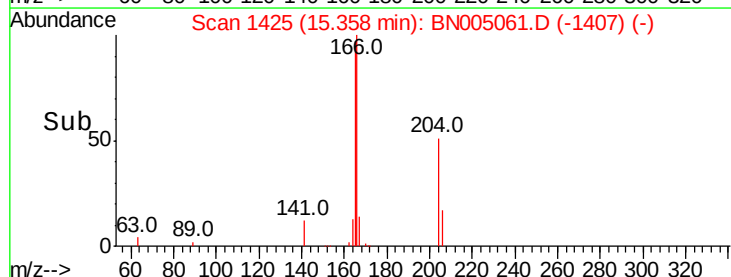
167 13.6 10.9 16.3

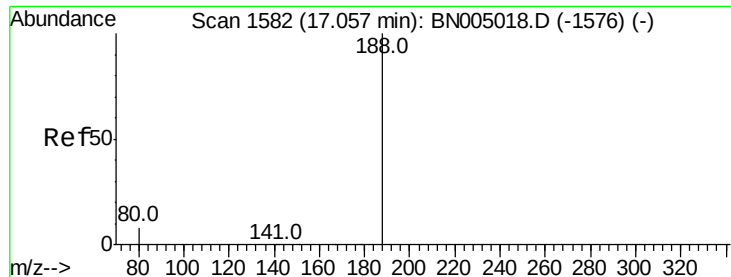


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

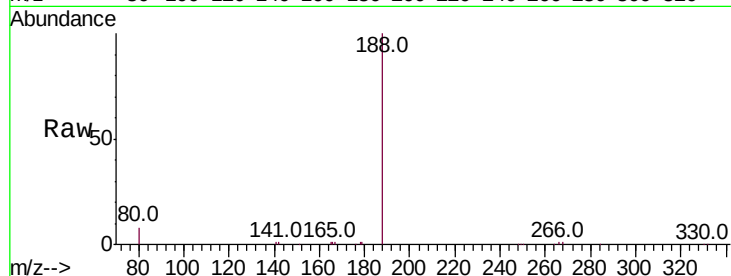
Tot Ion:188 Resp: 16066

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

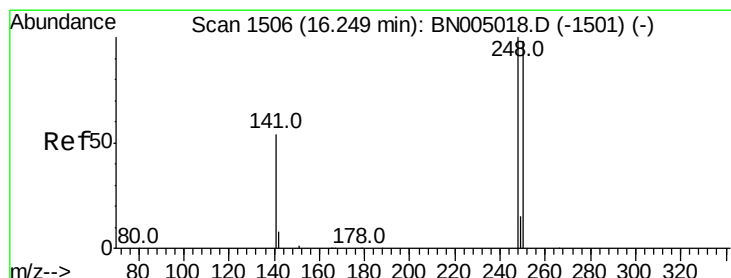
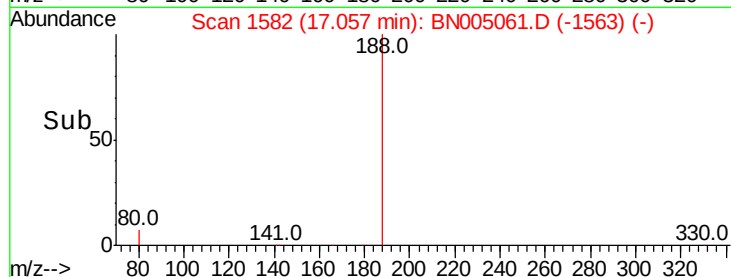
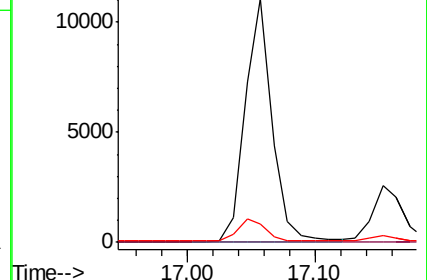
80 7.7 6.9 10.3



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: 0.413 ng

RT: 16.25 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

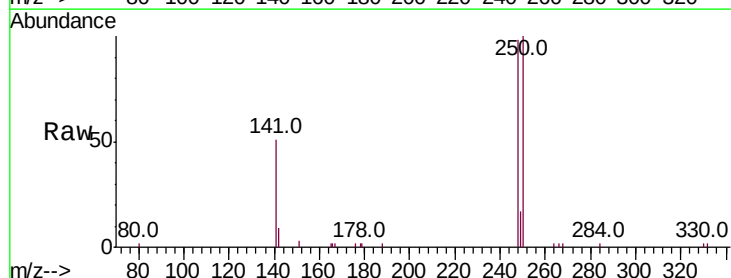
Tgt Ion:248 Resp: 3797

Ion Ratio Lower Upper

248 100

250 101.7 78.6 117.8

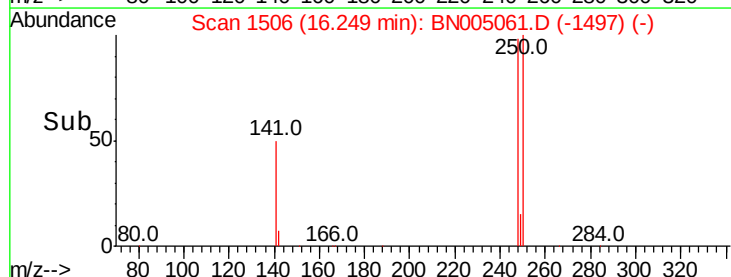
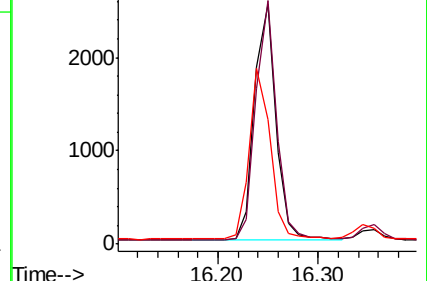
141 52.0 43.6 65.4

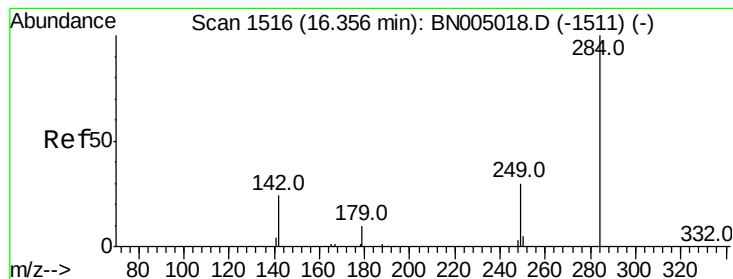


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.418 ng

RT: 16.36 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

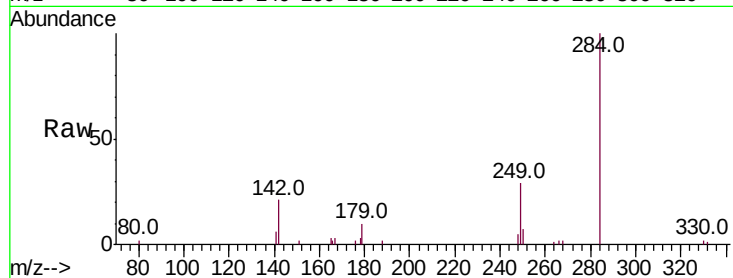
Tot Ion:284 Resp: 4249

Ion Ratio Lower Upper

284 100

142 29.7 24.9 37.3

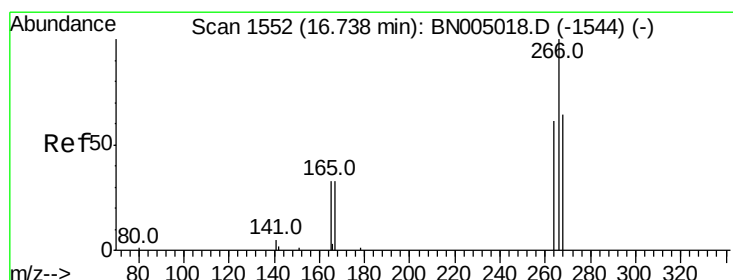
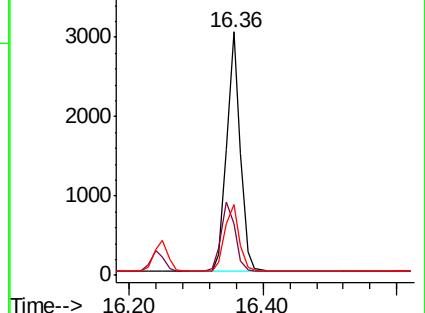
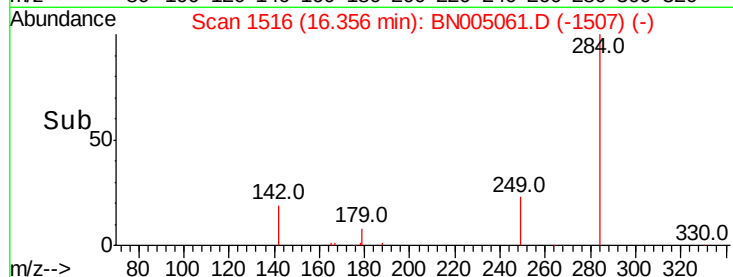
249 29.3 23.8 35.6



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: 0.841 ng

RT: 16.73 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

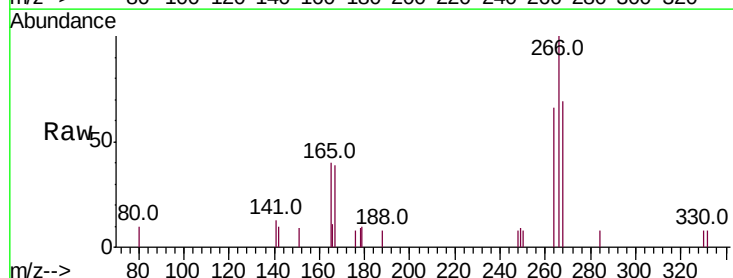
Tgt Ion:266 Resp: 1676

Ion Ratio Lower Upper

266 100

264 66.1 53.4 80.0

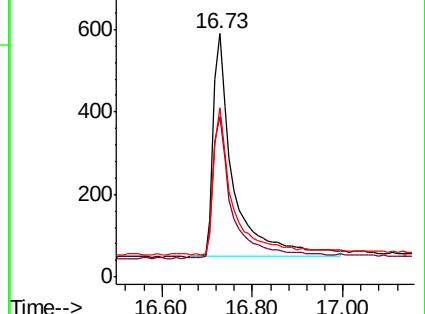
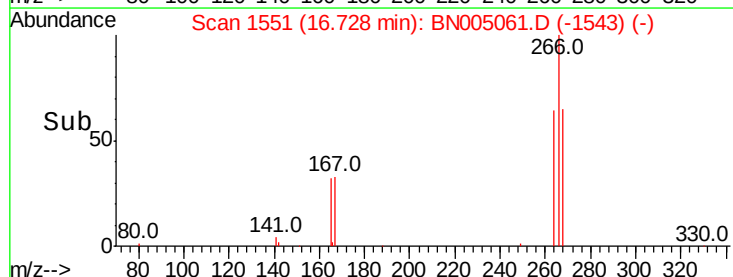
268 69.3 58.9 88.3

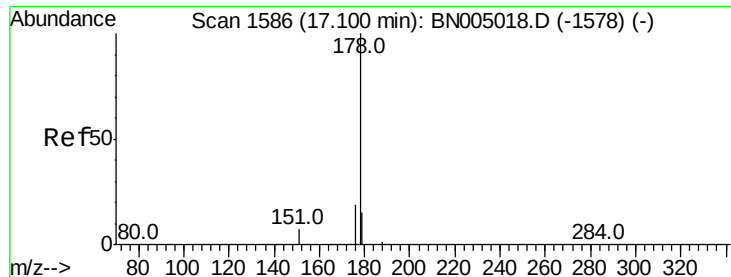


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.424 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

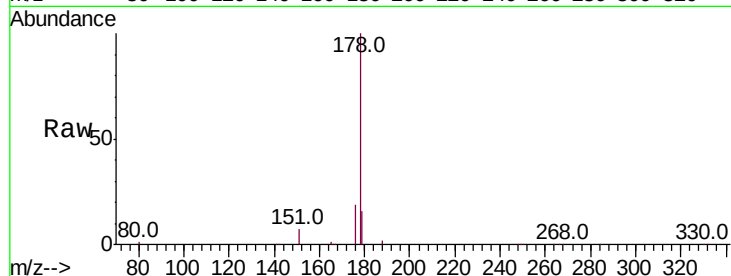
Tot Ion:178 Resp: 19048

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

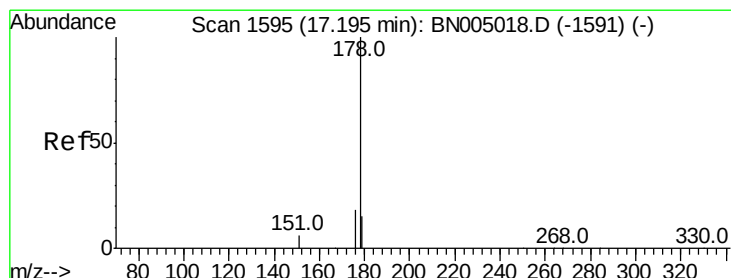
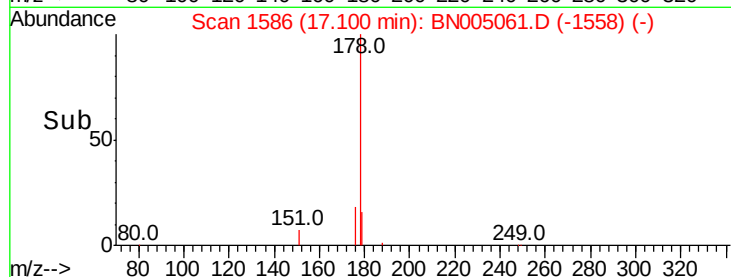
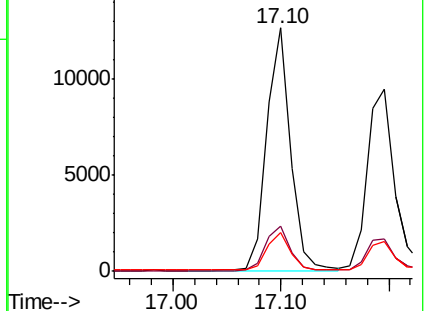
179 15.6 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.418 ng

RT: 17.20 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

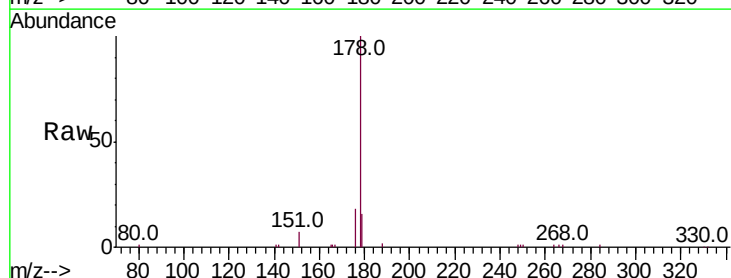
Tgt Ion:178 Resp: 16732

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

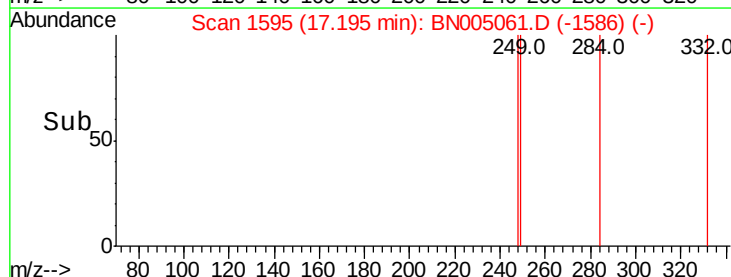
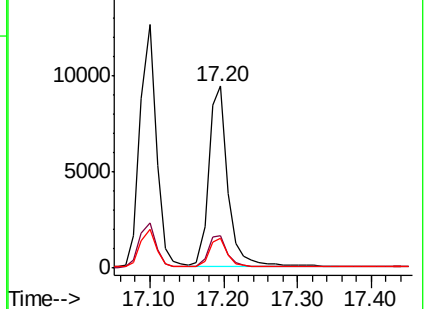
179 15.5 12.3 18.5

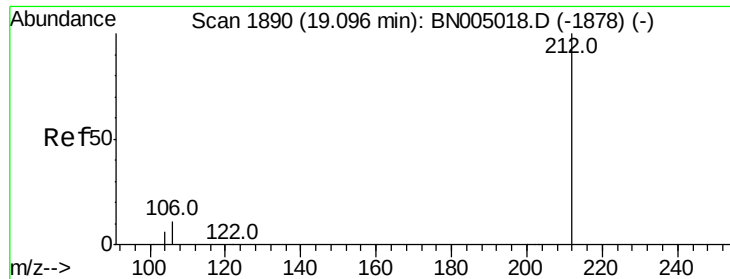


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.10 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

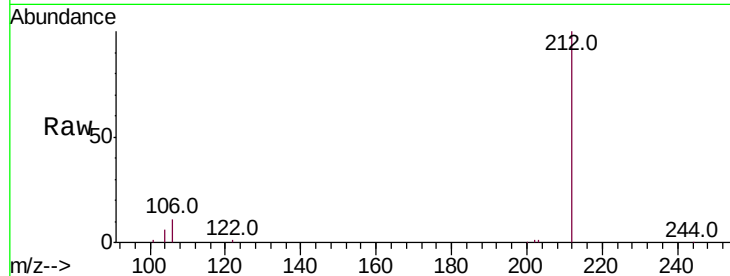
Tot Ion:212 Resp: 18790

Ion Ratio Lower Upper

212 100

106 12.0 9.4 14.2

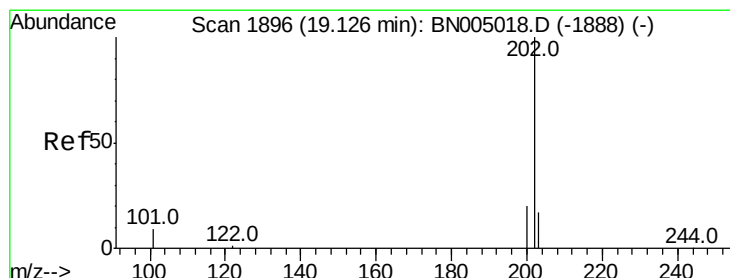
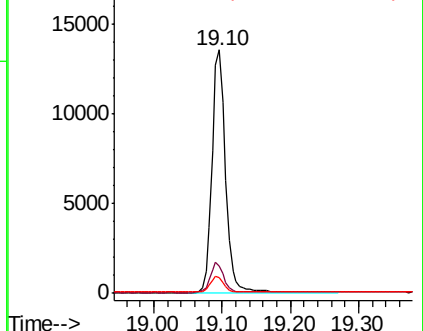
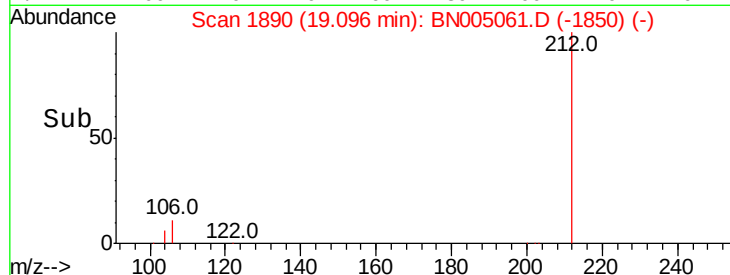
104 6.6 5.4 8.0



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: 0.402 ng

RT: 19.13 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

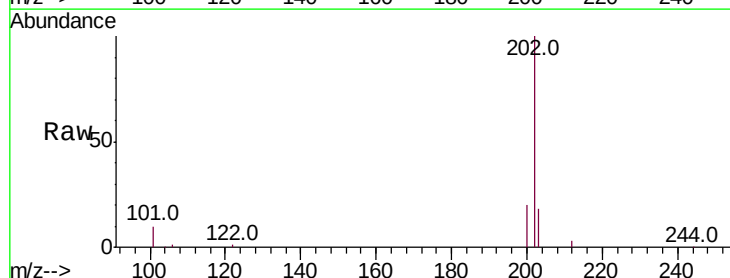
Tgt Ion:202 Resp: 22142

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

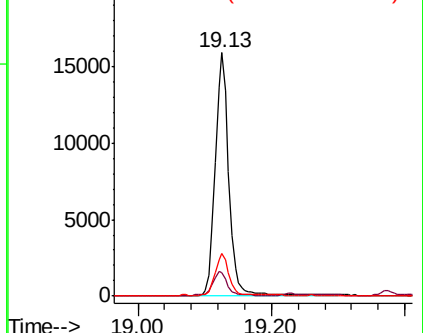
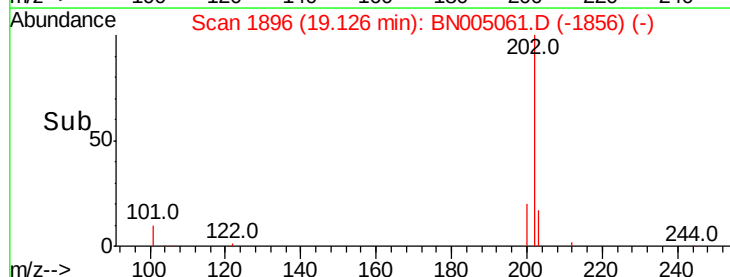
203 17.2 13.8 20.8

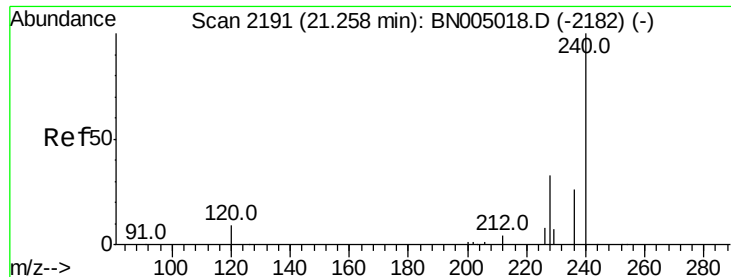


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

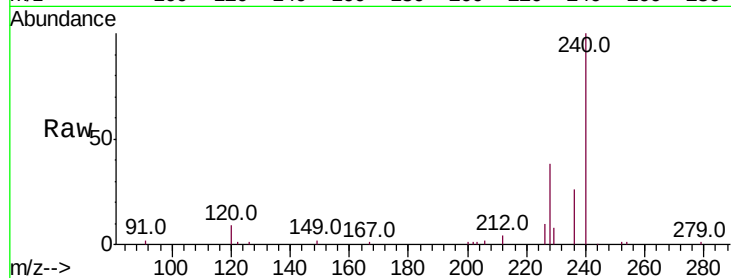
Tot Ion:240 Resp: 16898

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

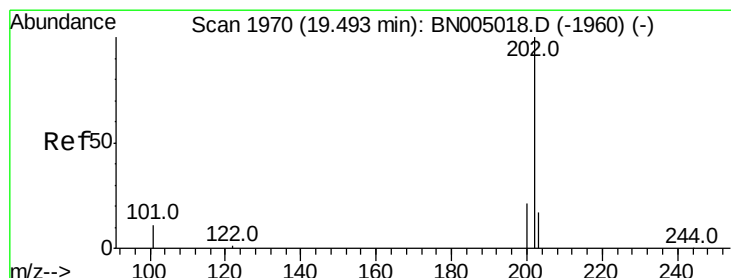
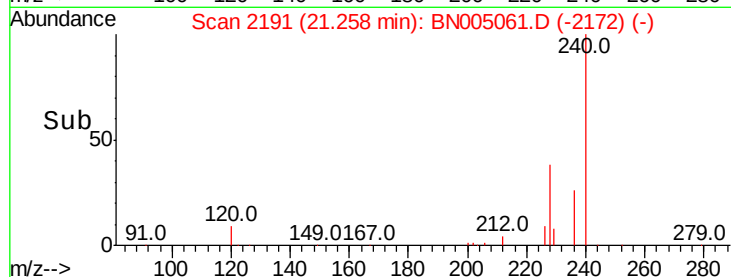
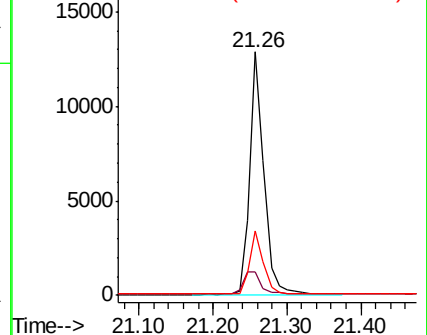
236 26.3 21.0 31.6



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: 0.475 ng

RT: 19.49 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

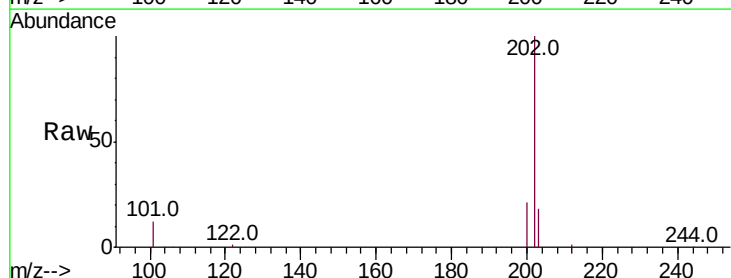
Tgt Ion:202 Resp: 22800

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

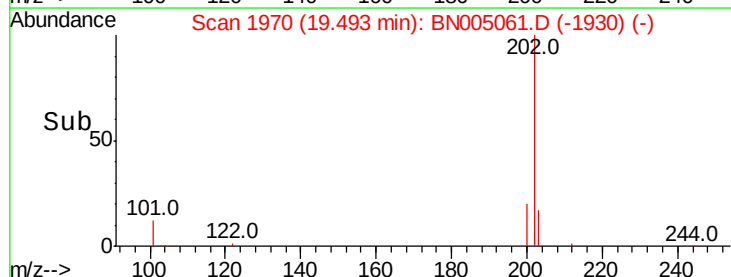
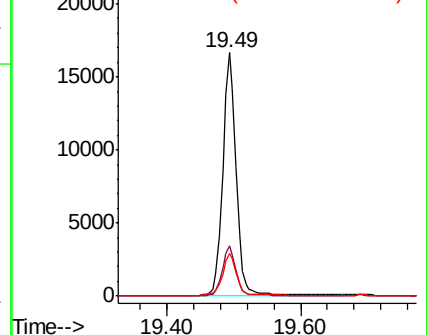
203 18.0 13.9 20.9



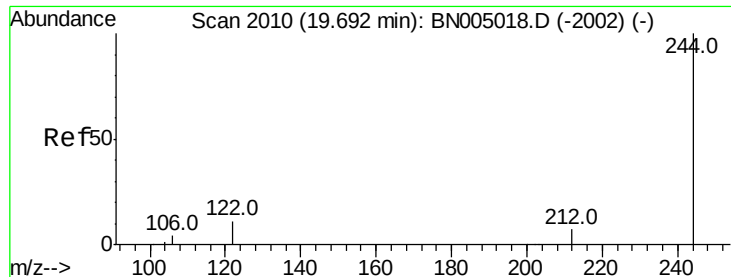
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.465 ng

RT: 19.69 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

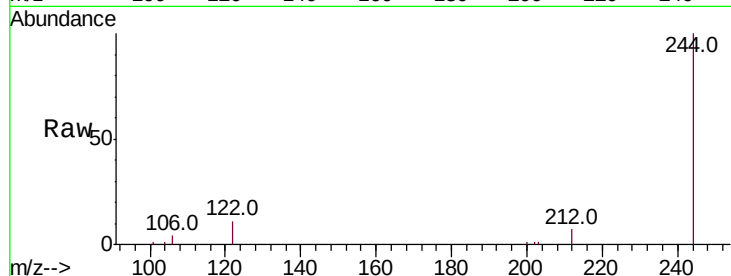
Tot Ion:244 Resp: 16130

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

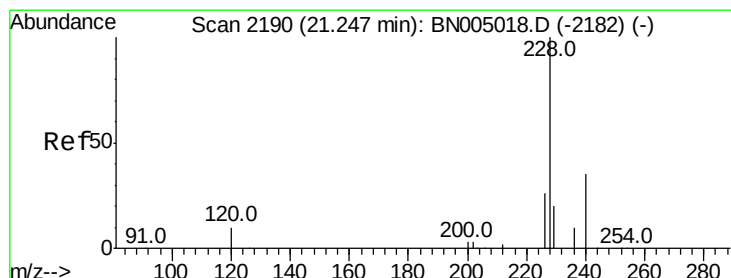
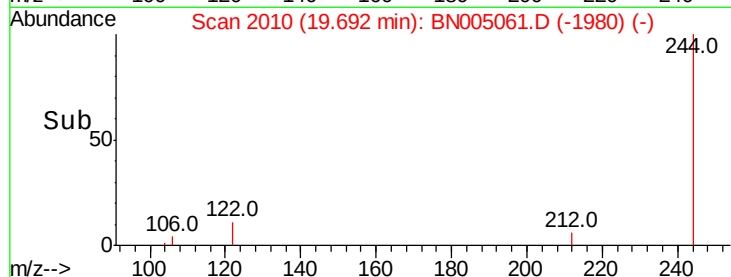
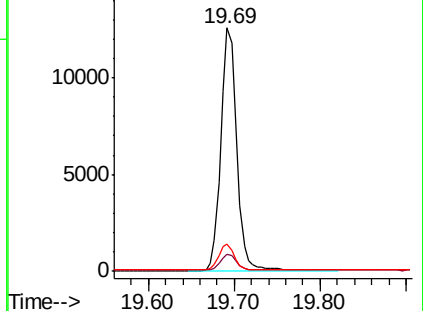
122 11.1 9.0 13.4



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: 0.413 ng

RT: 21.25 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

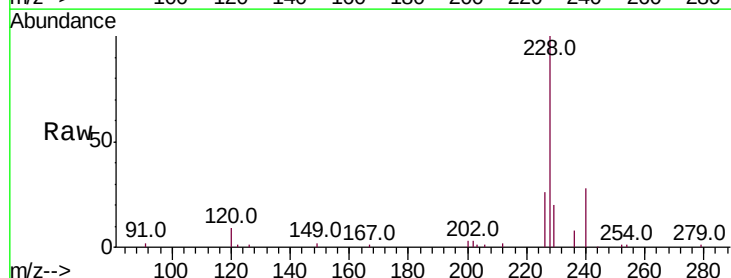
Tgt Ion:228 Resp: 19694

Ion Ratio Lower Upper

228 100

226 26.4 20.9 31.3

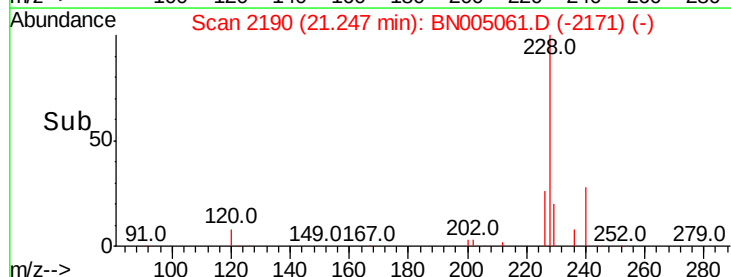
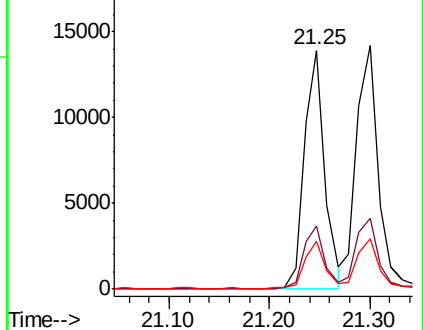
229 20.2 16.2 24.2

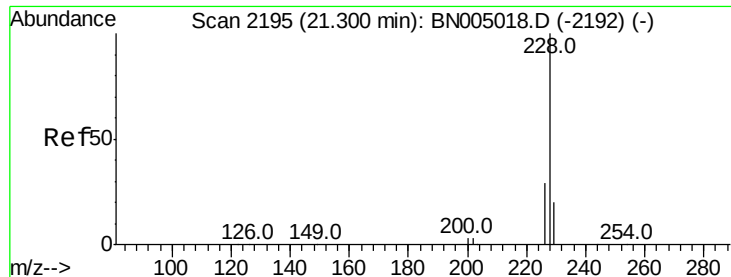


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

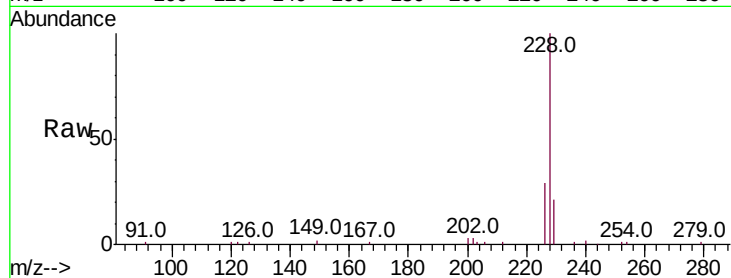
BNA\_N

ClientSampleId :

P001-TW001-03MS

Tot Ion:228 Resp: 21096

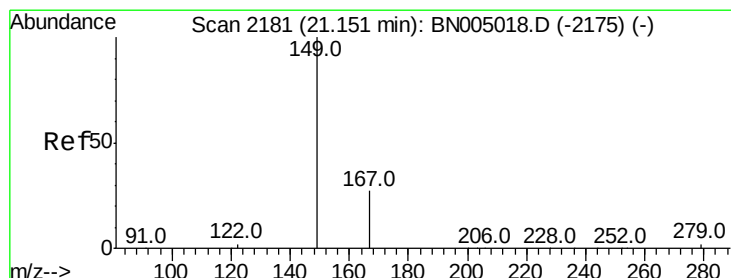
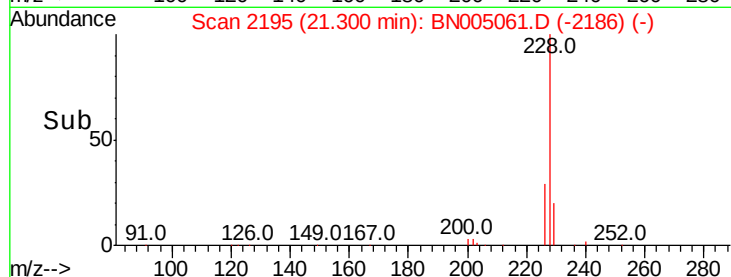
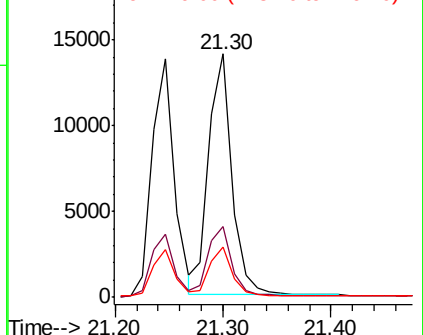
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.9  | 22.8  | 34.2  |
| 229 | 20.6  | 16.2  | 24.4  |



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.413 ng

RT: 21.15 min Scan# 2181

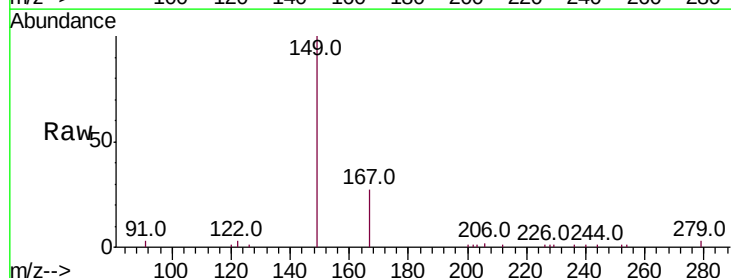
Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Tgt Ion:149 Resp: 8246

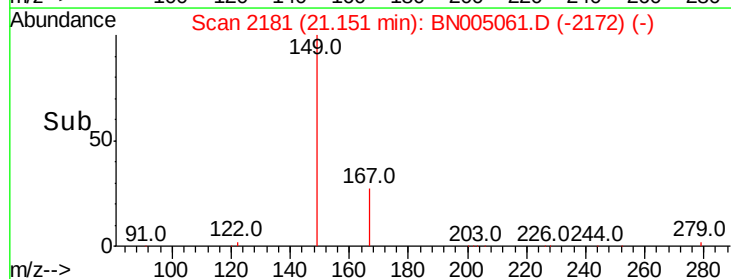
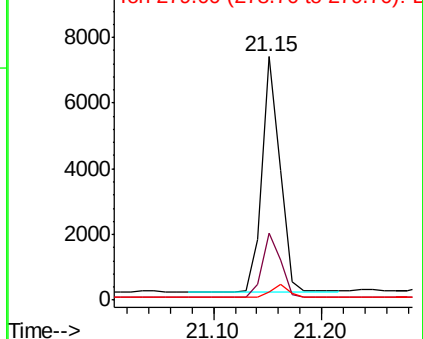
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.9  | 22.2  | 33.4  |
| 279 | 5.5   | 4.2   | 6.4   |

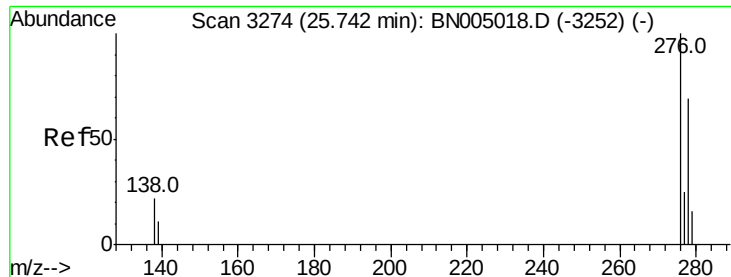


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.363 ng

RT: 25.75 min Scan# 3276

Delta R.T. 0.01 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

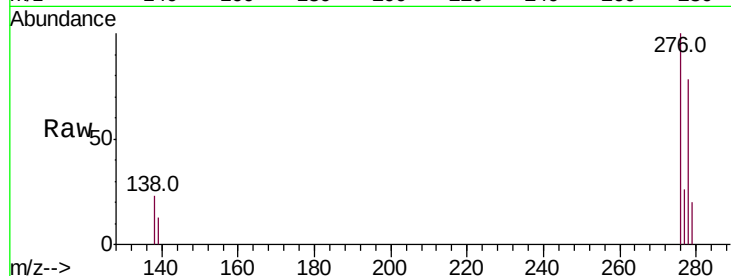
Tot Ion:276 Resp: 20970

Ion Ratio Lower Upper

276 100

138 22.5 18.2 27.2

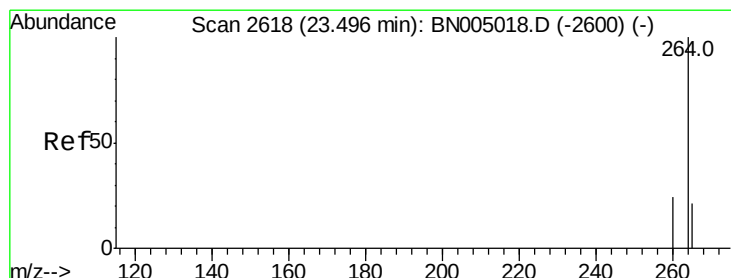
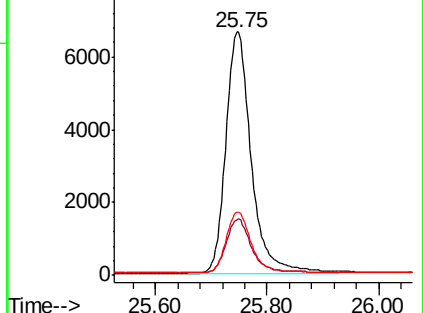
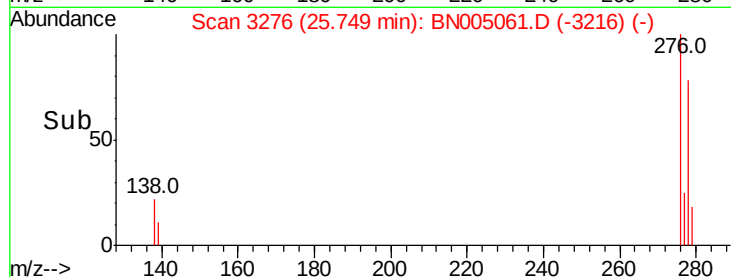
277 25.4 20.3 30.5



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: 23.50 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

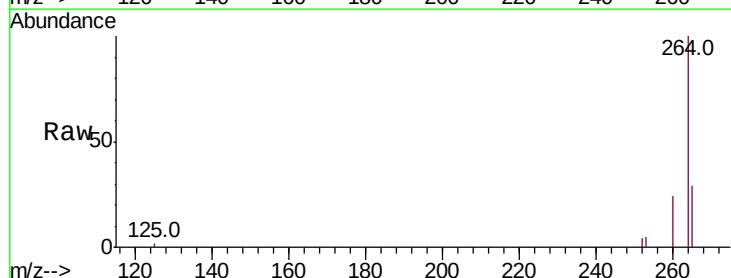
Tgt Ion:264 Resp: 14958

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

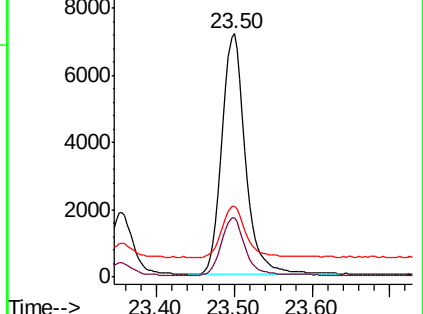
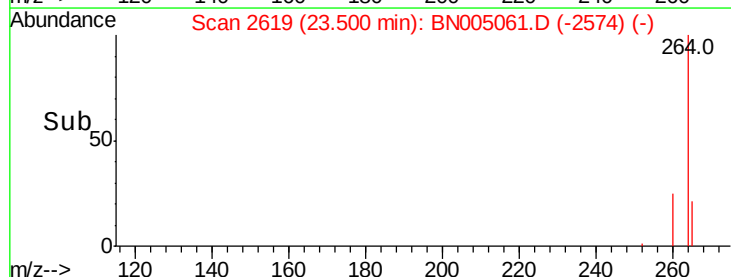
265 29.2 22.5 33.7

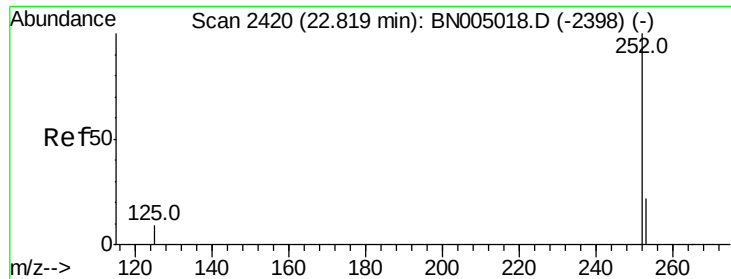


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

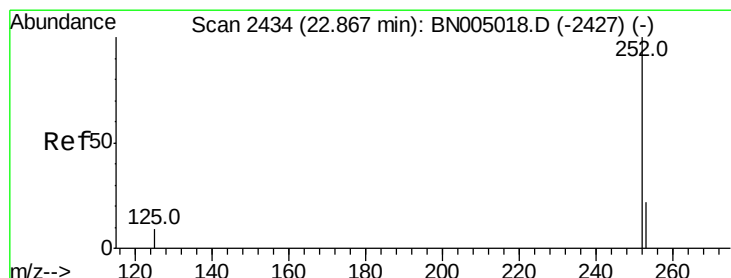
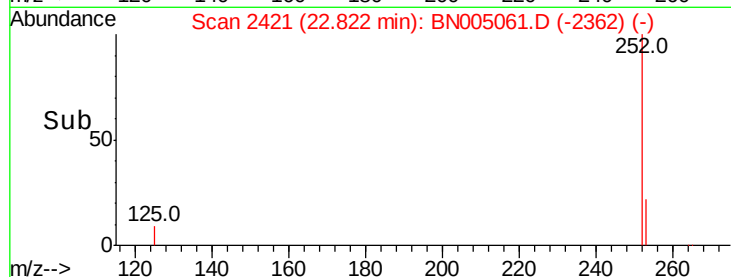
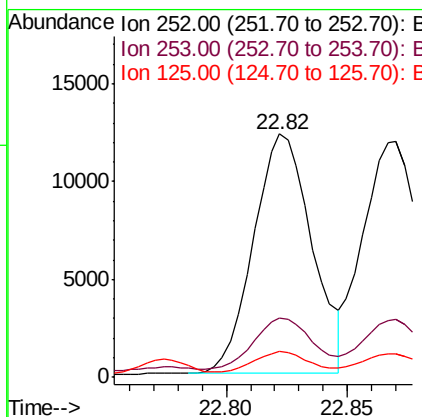
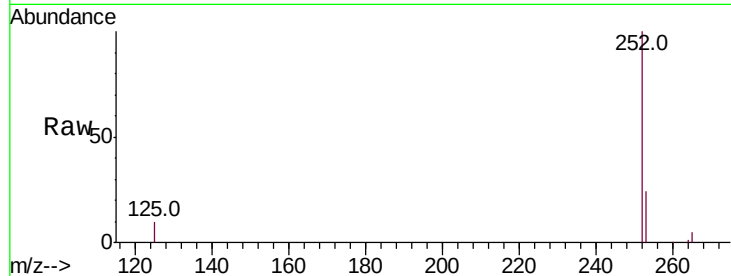




#35  
Benzo(b)fluoranthene  
Concen: 0.429 ng  
RT: 22.82 min Scan# 2421  
Delta R.T. 0.00 min  
Lab File: BN005061.D  
Acq: 02 Apr 2019 14:35

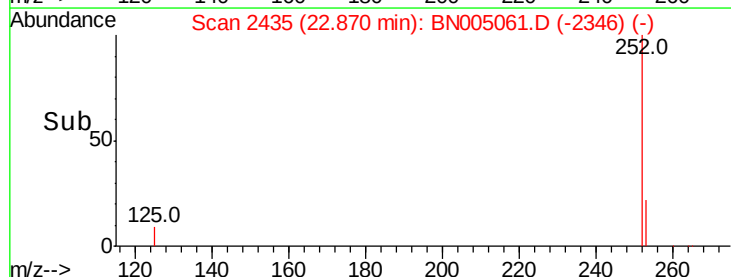
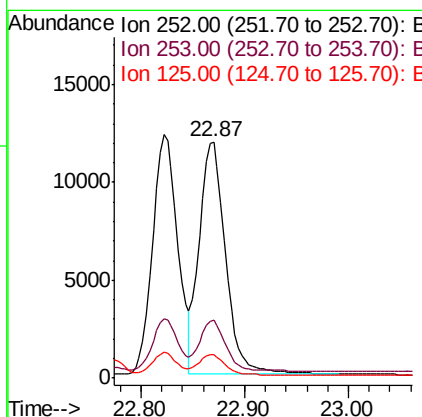
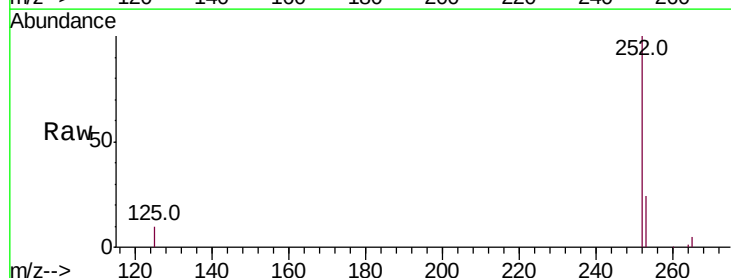
Instrument :  
BNA\_N  
ClientSampleId :  
P001-TW001-03MS

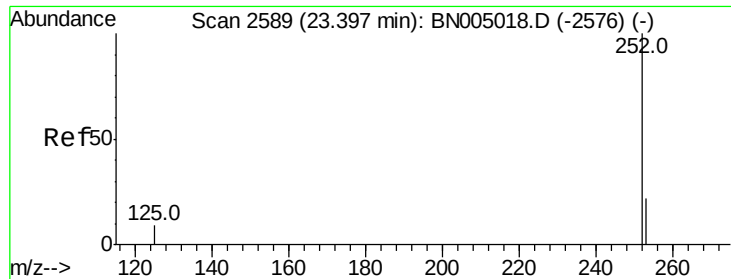
Tot Ion:252 Resp: 20587  
Ion Ratio Lower Upper  
252 100  
253 24.5 19.2 28.8  
125 10.5 8.2 12.2



#36  
Benzo(k)fluoranthene  
Concen: 0.451 ng  
RT: 22.87 min Scan# 2435  
Delta R.T. 0.00 min  
Lab File: BN005061.D  
Acq: 02 Apr 2019 14:35

Tgt Ion:252 Resp: 20892  
Ion Ratio Lower Upper  
252 100  
253 24.3 19.3 28.9  
125 10.1 8.2 12.2





#37

Benzo(a)pyrene

Concen: 0.432 ng

RT: 23.40 min Scan# 2590

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

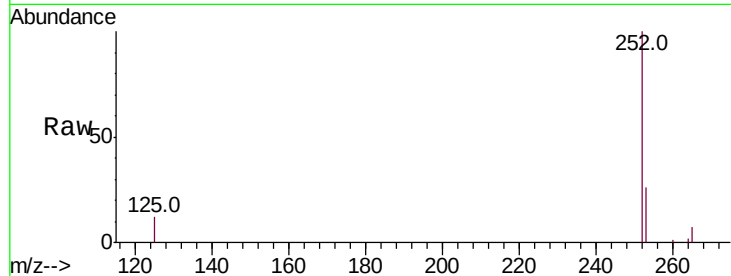
Tot Ion:252 Resp: 18438

Ion Ratio Lower Upper

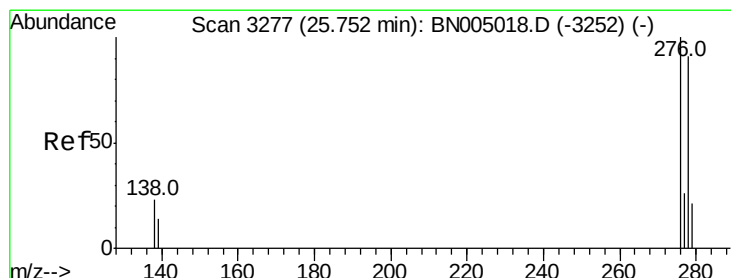
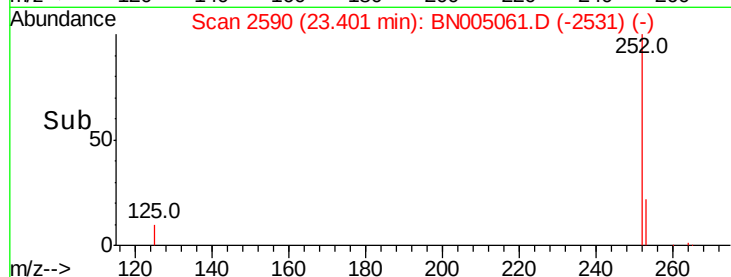
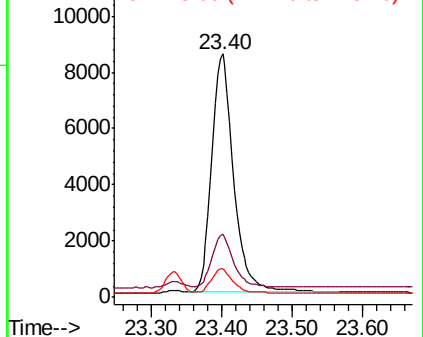
252 100

253 25.7 20.2 30.2

125 11.6 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: 0.408 ng

RT: 25.75 min Scan# 3277

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

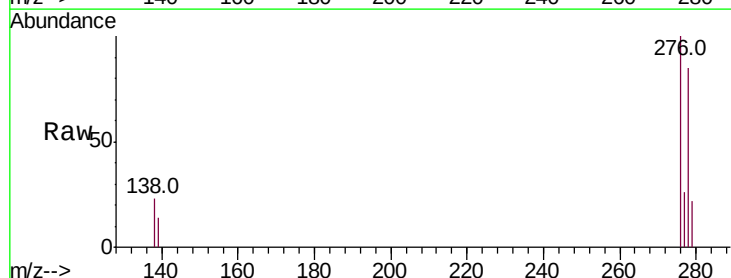
Tgt Ion:278 Resp: 17425

Ion Ratio Lower Upper

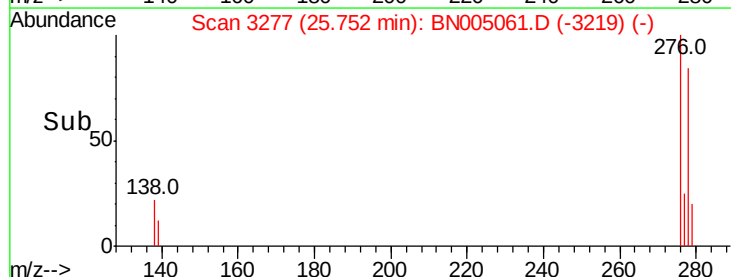
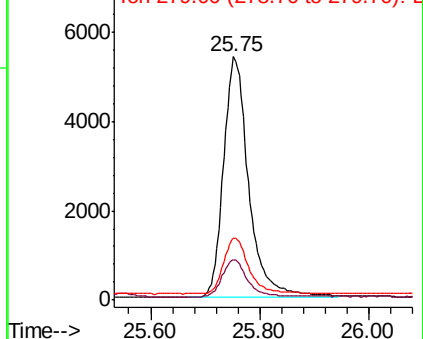
278 100

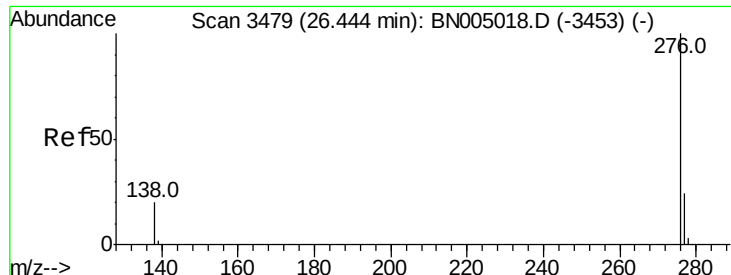
139 16.4 13.1 19.7

279 25.5 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: 0.412 ng

RT: 26.44 min Scan# 3479

Delta R.T. 0.00 min

Lab File: BN005061.D

Acq: 02 Apr 2019 14:35

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MS

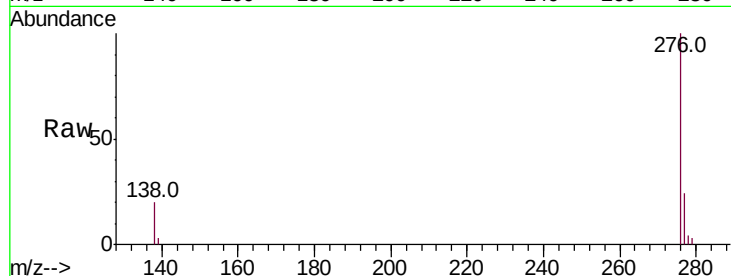
Tot Ion:276 Resp: 17718

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.6

138 20.1 16.4 24.6



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

