

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101718\  
 Data File : BN003179.D  
 Acq On : 17 Oct 2018 13:23  
 Operator : MJ/SJ  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN101718

Quant Time: Oct 17 13:55:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 13:21:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 1127     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 4871     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.28 | 164  | 3359     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 8510     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.25 | 240  | 10813    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.47 | 264  | 11221    | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.31  | 112 | 987  | 0.38 | ng | 0.00 |
| 5) Phenol-d6                | 6.94  | 99  | 1289 | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 1144 | 0.40 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 3171 | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.83 | 330 | 743  | 0.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 4976 | 0.38 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 9922 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.68 | 244 | 8581 | 0.37 | ng | 0.00 |

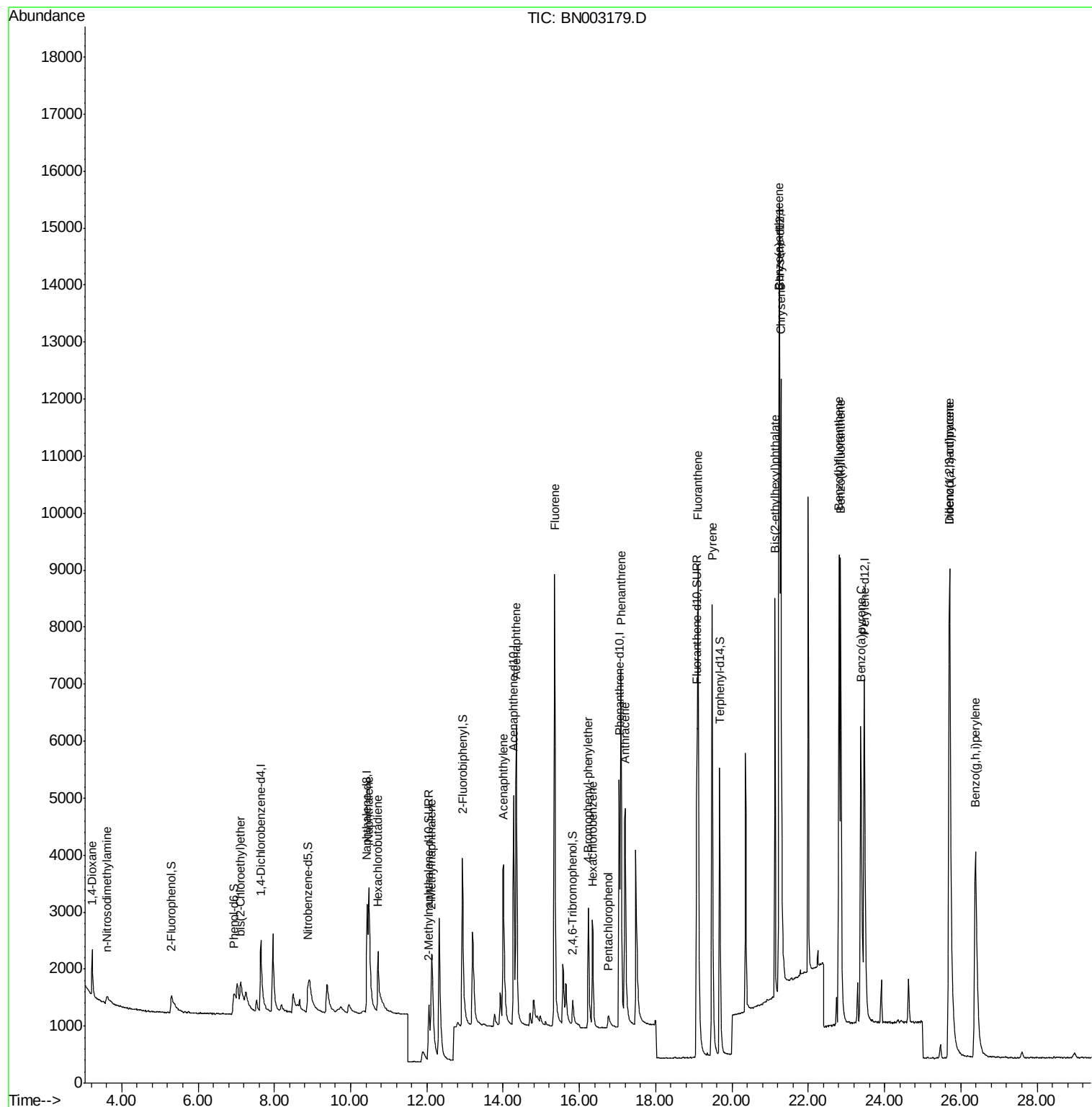
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 670   | 0.433  | ng | 95    |
| 3) n-Nitrosodimethylamine      | 3.63  | 42  | 166   | 0.355  | ng | # 62  |
| 6) bis(2-Chloroethyl)ether     | 7.12  | 93  | 1069  | 0.351  | ng | 96    |
| 9) Naphthalene                 | 10.48 | 128 | 4652  | 0.384  | ng | 96    |
| 10) Hexachlorobutadiene        | 10.72 | 225 | 911   | 0.384  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.13 | 142 | 3228  | 0.389  | ng | 99    |
| 16) Acenaphthylene             | 14.01 | 152 | 5711  | 0.374  | ng | 99    |
| 17) Acenaphthene               | 14.34 | 154 | 3935  | 0.387  | ng | 99    |
| 18) Fluorene                   | 15.35 | 166 | 5028  | 0.380  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.23 | 248 | 1775  | 0.378  | ng | 93    |
| 21) Hexachlorobenzene          | 16.36 | 284 | 2024  | 0.386  | ng | 99    |
| 22) Pentachlorophenol          | 16.76 | 266 | 301   | 0.400  | ng | 91    |
| 23) Phenanthrene               | 17.09 | 178 | 8458  | 0.380  | ng | 100   |
| 24) Anthracene                 | 17.20 | 178 | 7633  | 0.374  | ng | 99    |
| 26) Fluoranthene               | 19.11 | 202 | 10797 | 0.378  | ng | 99    |
| 28) Pyrene                     | 19.48 | 202 | 11328 | 0.375  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 9836  | 0.338  | ng | 99    |
| 31) Chrysene                   | 21.28 | 228 | 13006 | 0.391  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 6280  | 0.351  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.71 | 276 | 13825 | 0.352  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 22.81 | 252 | 11480 | 0.379  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 22.85 | 252 | 13533 | 0.378  | ng | 98    |
| 37) Benzo(a)pyrene             | 23.38 | 252 | 11590 | 0.371  | ng | 98    |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278 | 11481 | 0.360  | ng | 98    |
| 39) Benzo(g,h,i)perylene       | 26.38 | 276 | 11736 | 0.364  | ng | 99    |

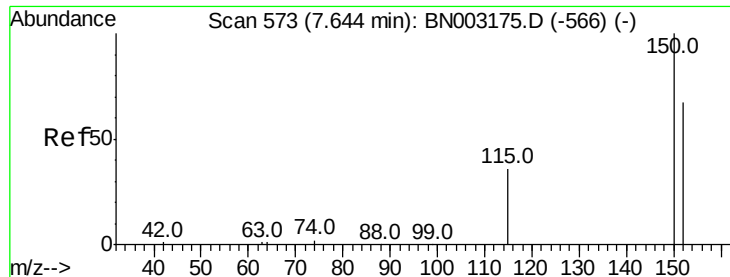
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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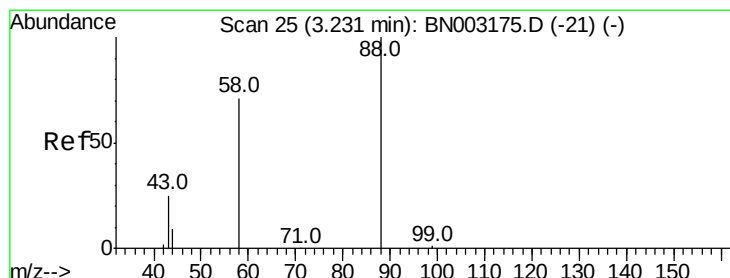
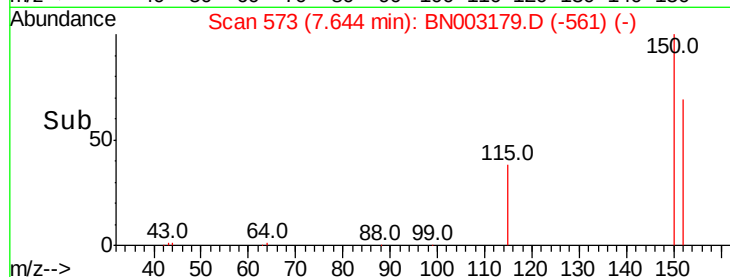
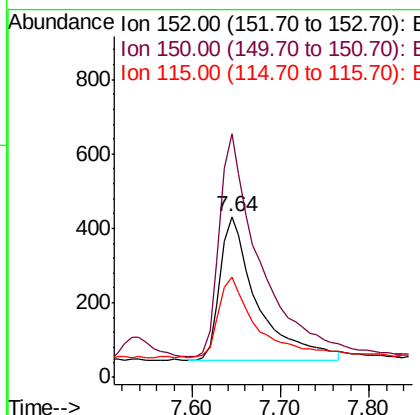
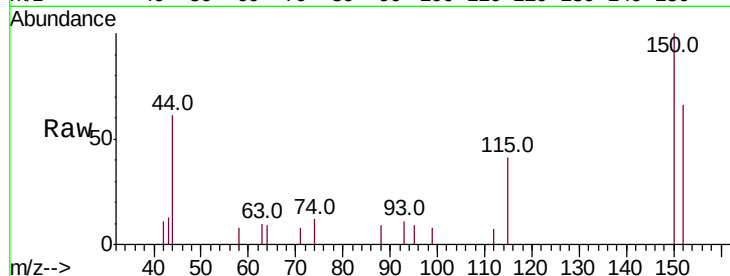


#1

1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.64 min Scan# 573  
 Delta R.T. 0.00 min  
 Lab File: BN003179.D  
 Acq: 17 Oct 2018 13:23

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN101718

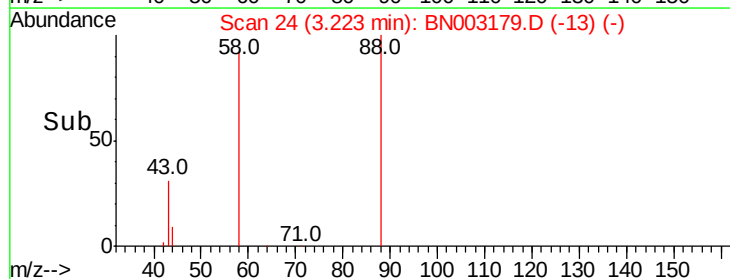
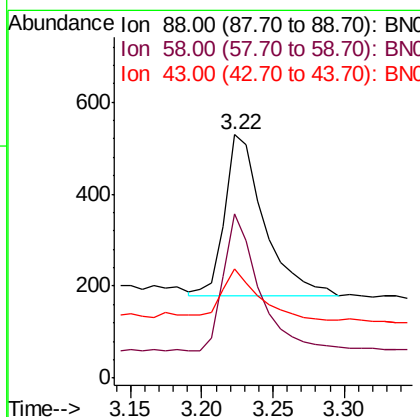
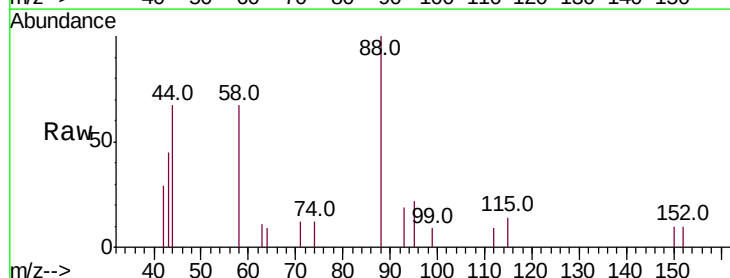
Tot Ion:152 Resp: 1127  
 Ion Ratio Lower Upper  
 152 100  
 150 151.4 126.2 189.4  
 115 62.3 49.8 74.6

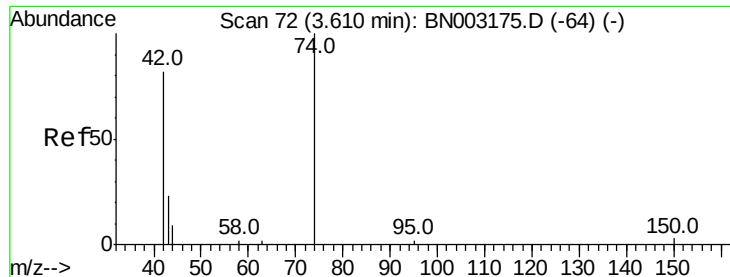


#2

1,4-Dioxane  
 Concen: 0.433 ng  
 RT: 3.22 min Scan# 24  
 Delta R.T. -0.01 min  
 Lab File: BN003179.D  
 Acq: 17 Oct 2018 13:23

Tgt Ion: 88 Resp: 670  
 Ion Ratio Lower Upper  
 88 100  
 58 78.7 66.7 100.1  
 43 28.7 24.6 37.0





#3

n-Nitrosodimethylamine

Concen: 0.355 ng

RT: 3.63 min Scan# 74

Delta R.T. 0.02 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

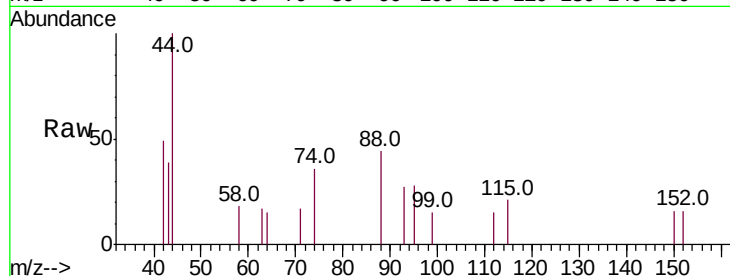
Tot Ion: 42 Resp: 166

Ion Ratio Lower Upper

42 100

74 172.9 102.9 154.3#

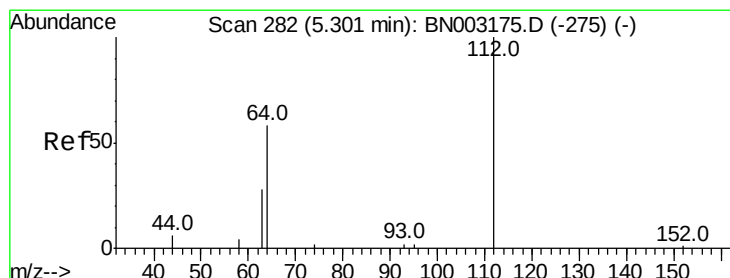
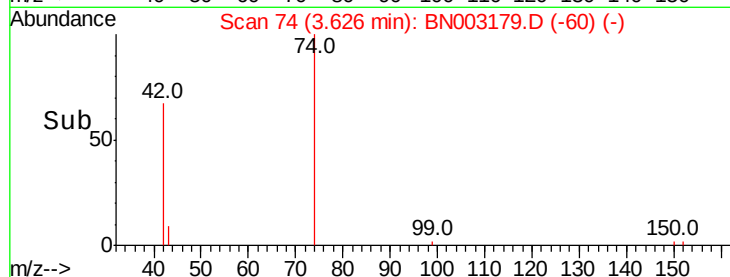
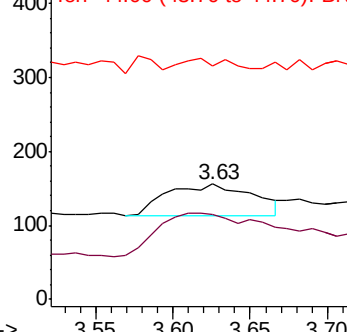
44 21.7 0.0 0.0#



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: 0.380 ng

RT: 5.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

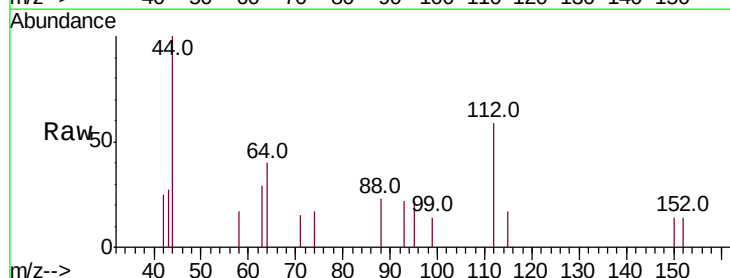
Tgt Ion: 112 Resp: 987

Ion Ratio Lower Upper

112 100

64 57.9 49.0 73.4

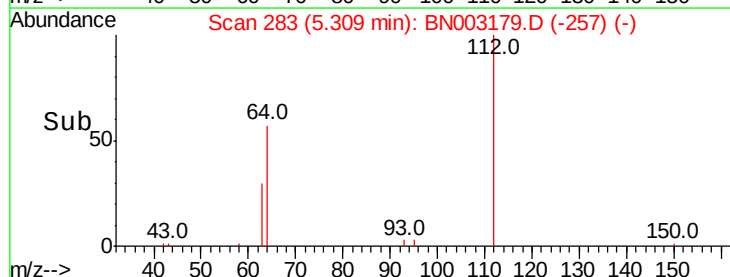
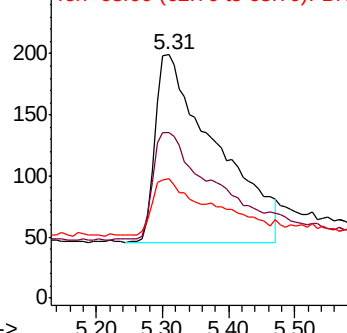
63 29.1 25.9 38.9

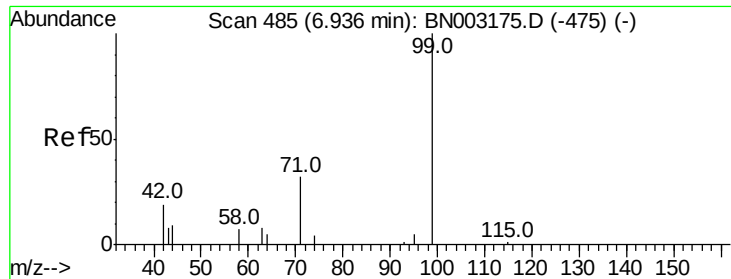


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.94 min Scan# 486

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

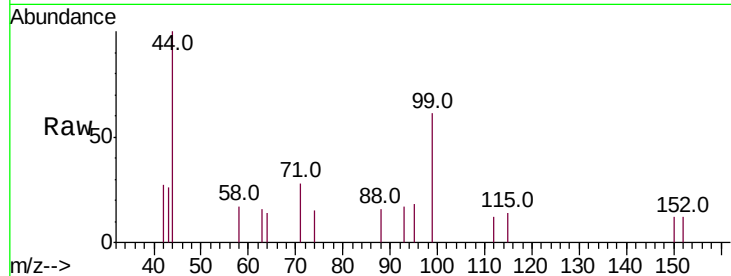
Tot Ion: 99 Resp: 1289

Ion Ratio Lower Upper

99 100

42 6.3 15.4 23.2#

71 31.3 26.0 39.0

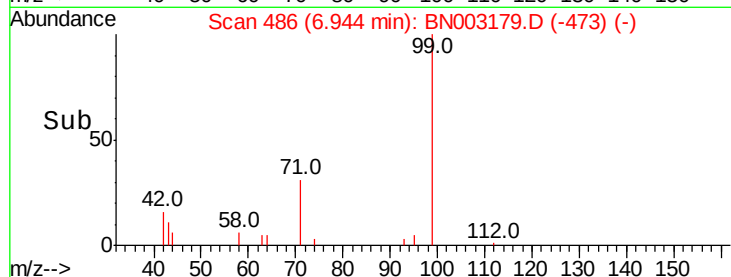


Abundance Ion 99.00 (98.70 to 99.70): BN003179.D (-475) (-)

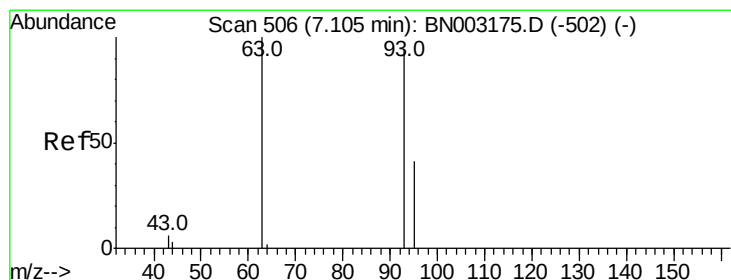
Ion 42.00 (41.70 to 42.70): BN003179.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN003179.D (-475) (-)

Time-->



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.351 ng

RT: 7.12 min Scan# 508

Delta R.T. 0.02 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

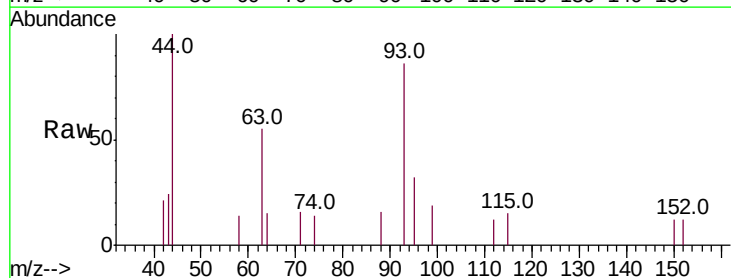
Tgt Ion: 93 Resp: 1069

Ion Ratio Lower Upper

93 100

63 63.6 54.2 81.4

95 30.8 24.9 37.3

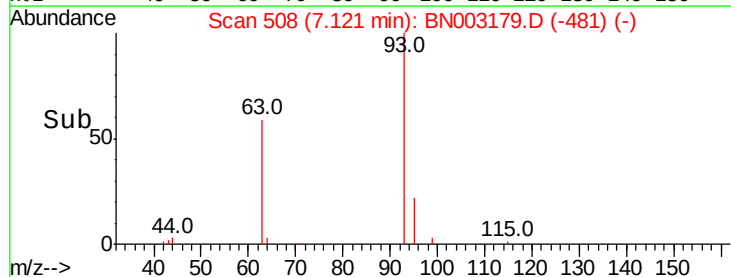


Abundance Ion 93.00 (92.70 to 93.70): BN003179.D (-481) (-)

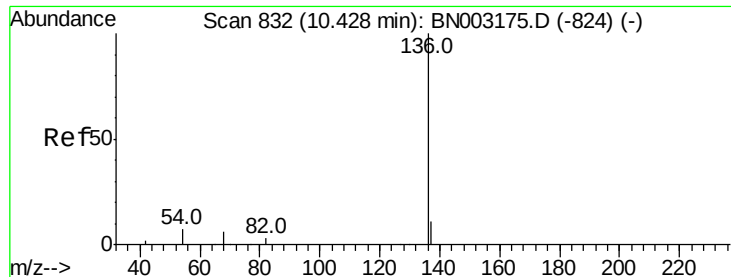
Ion 63.00 (62.70 to 63.70): BN003179.D (-481) (-)

Ion 95.00 (94.70 to 95.70): BN003179.D (-481) (-)

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 832

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

Tot Ion:136 Resp: 4871

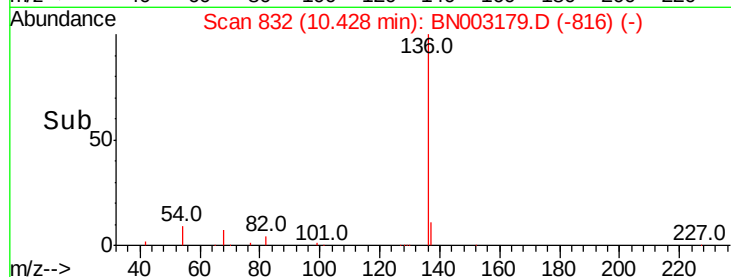
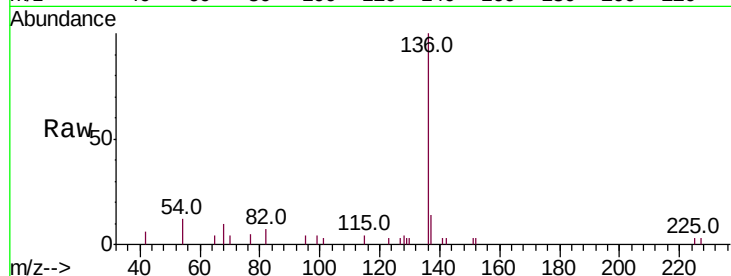
Ion Ratio Lower Upper

136 100

137 13.9 9.4 14.0

54 11.9 7.4 11.0#

68 10.3 5.8 8.6#

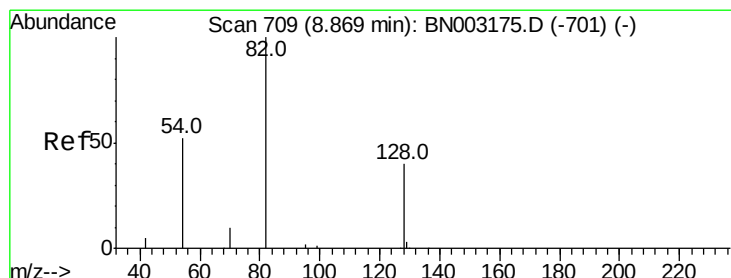
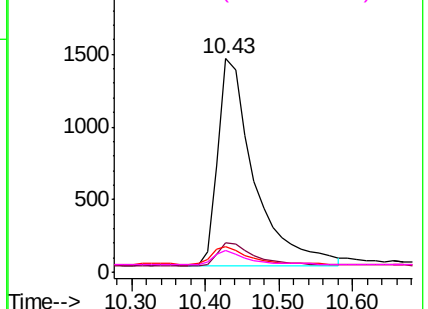


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 8.88 min Scan# 710

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

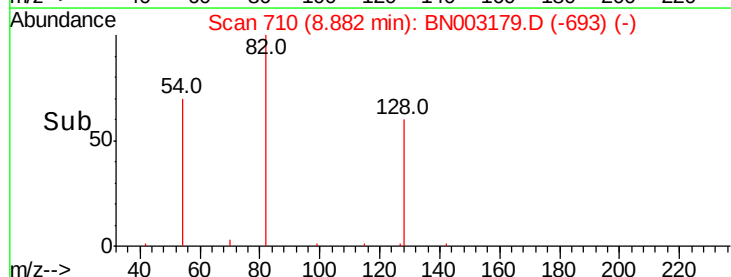
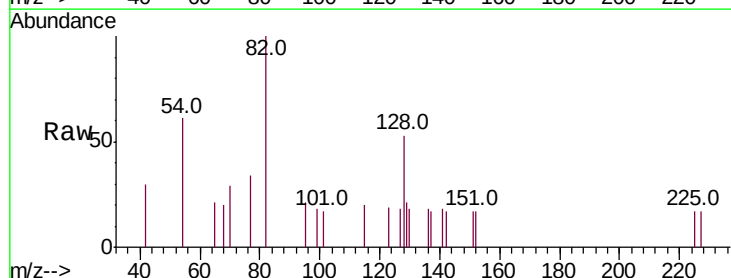
Tgt Ion: 82 Resp: 1144

Ion Ratio Lower Upper

82 100

128 52.6 38.2 57.4

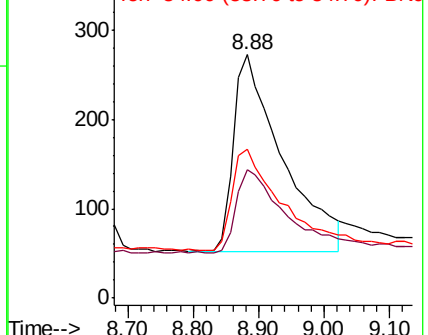
54 61.0 44.1 66.1

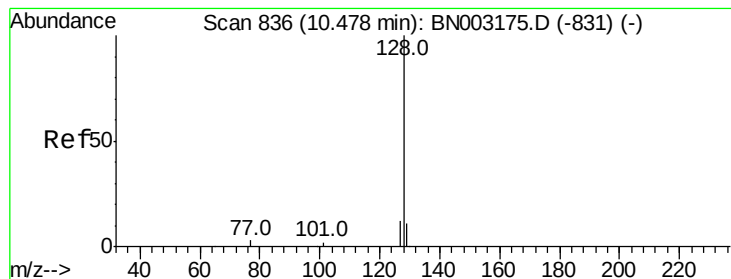


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.384 ng

RT: 10.48 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN003179.D

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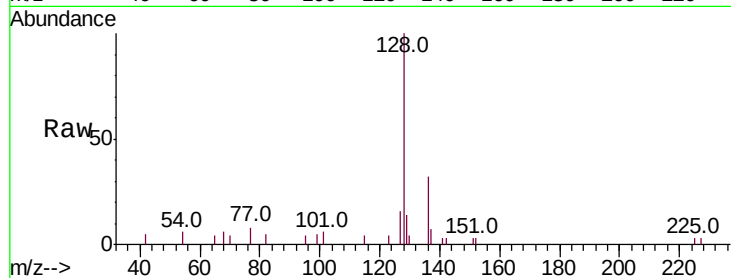
Tot Ion:128 Resp: 4652

Ion Ratio Lower Upper

128 100

129 14.0 9.8 14.6

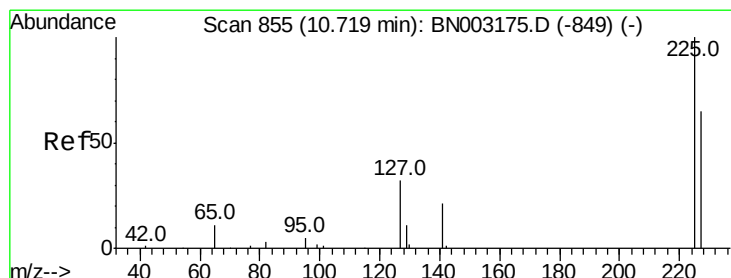
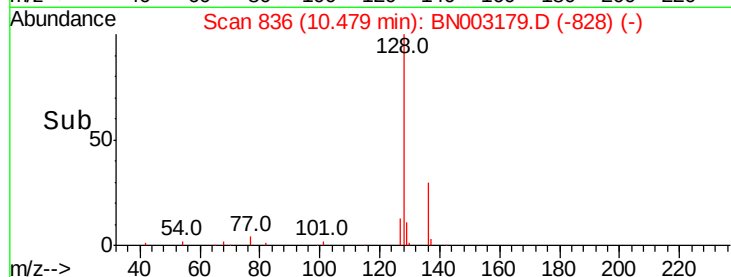
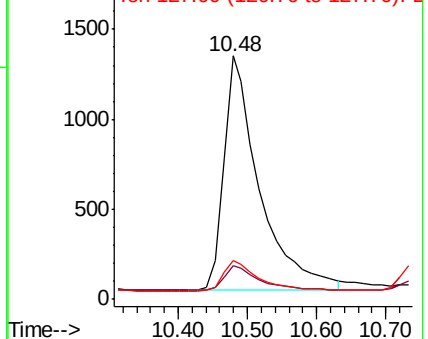
127 15.8 11.4 17.2



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: 0.384 ng

RT: 10.72 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

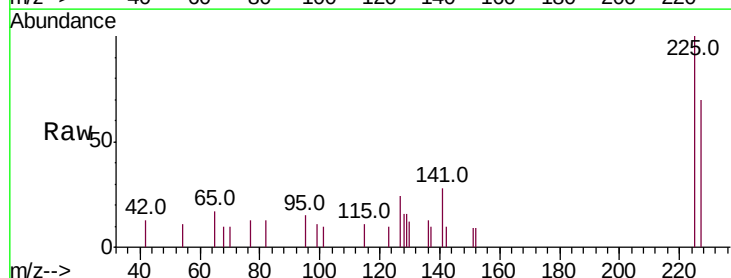
Tgt Ion:225 Resp: 911

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

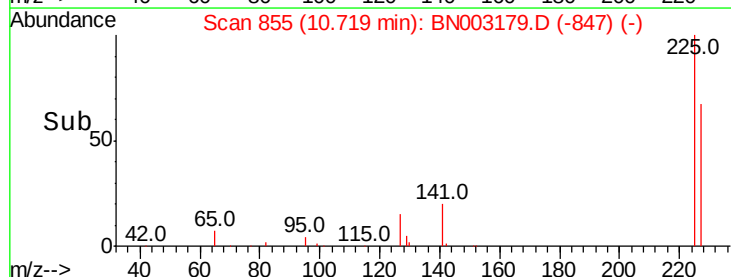
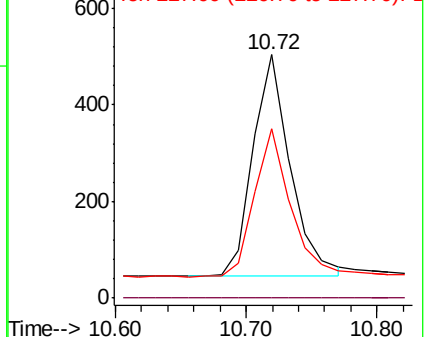
227 64.9 51.8 77.8

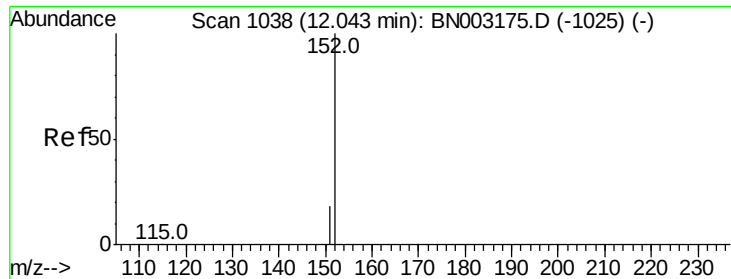


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.05 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

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ClientSampleId :

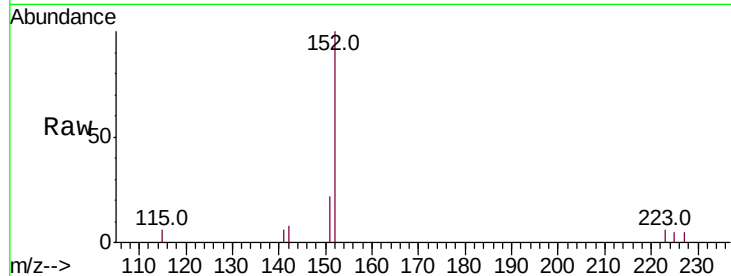
ICVBN101718

Tot Ion:152 Resp: 3171

Ion Ratio Lower Upper

152 100

151 18.1 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1000

800

600

400

200

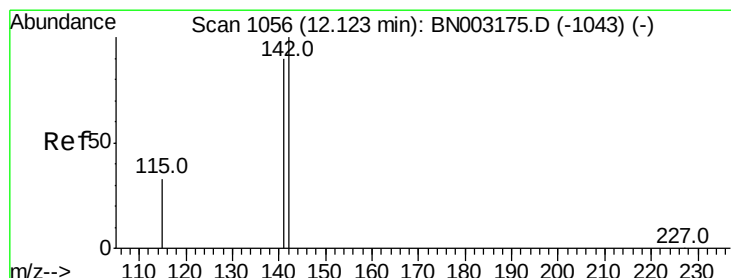
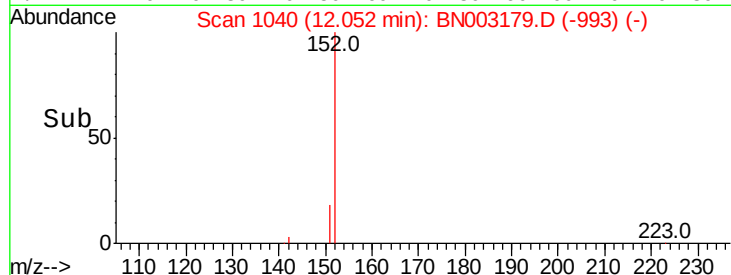
0

12.05

12.00

12.20

Time-->



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 12.13 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

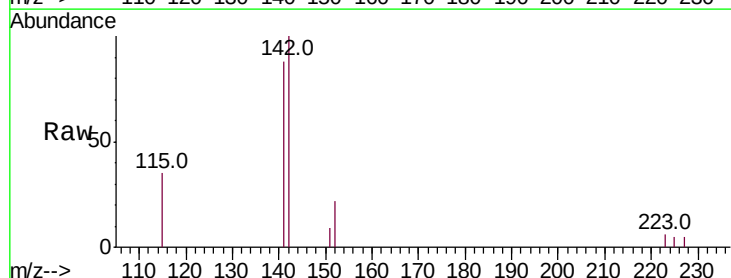
Tgt Ion:142 Resp: 3228

Ion Ratio Lower Upper

142 100

141 87.9 71.5 107.3

115 35.0 28.1 42.1



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

1500

1000

500

0

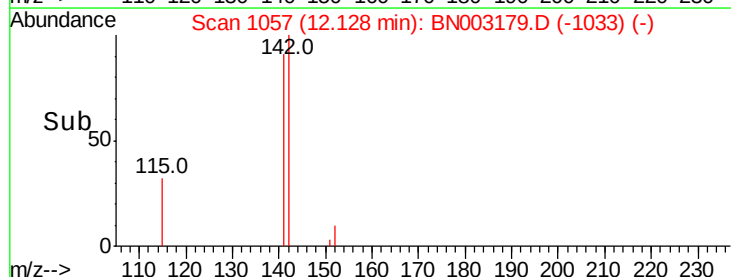
12.13

12.00

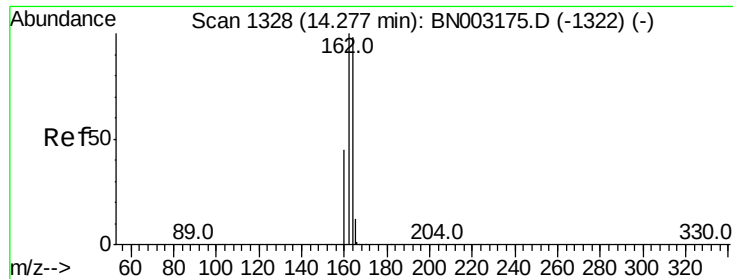
12.20

12.30

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.28 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

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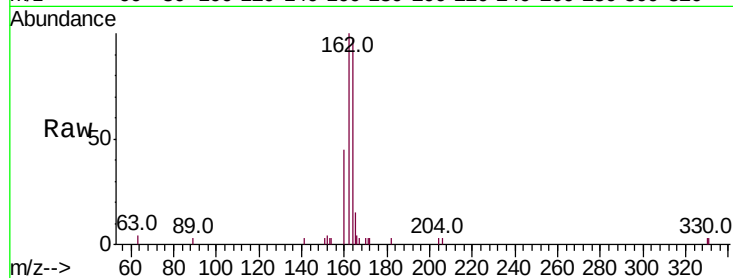
Tot Ion:164 Resp: 3359

Ion Ratio Lower Upper

164 100

162 103.6 81.7 122.5

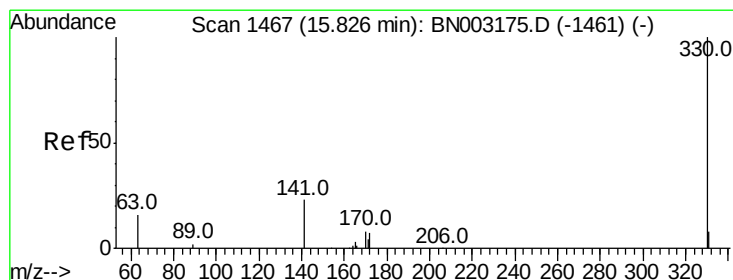
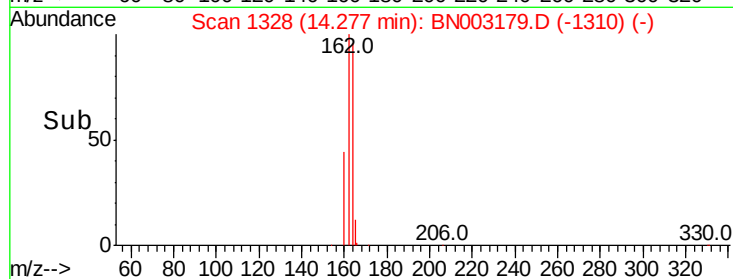
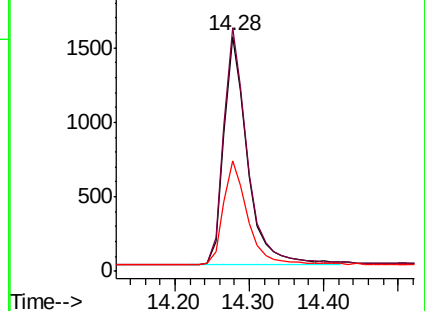
160 47.1 36.3 54.5



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: 0.347 ng

RT: 15.83 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

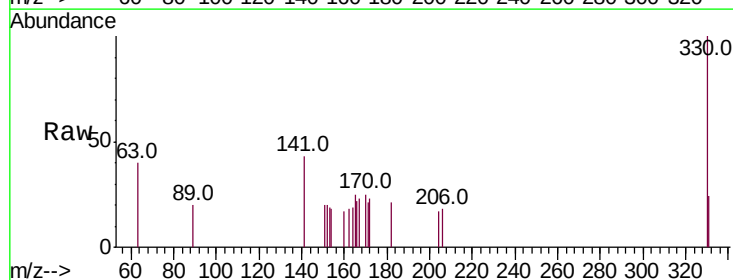
Tgt Ion:330 Resp: 743

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

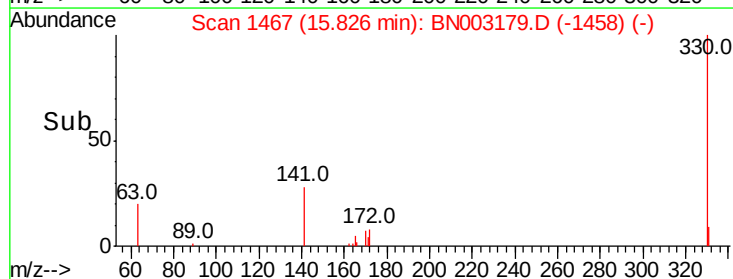
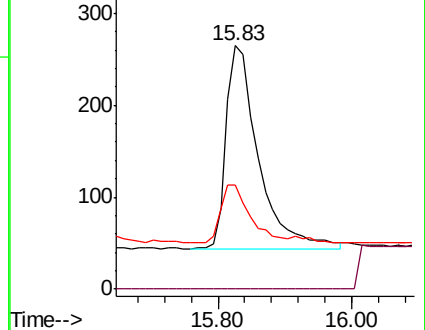
141 26.5 22.6 33.8

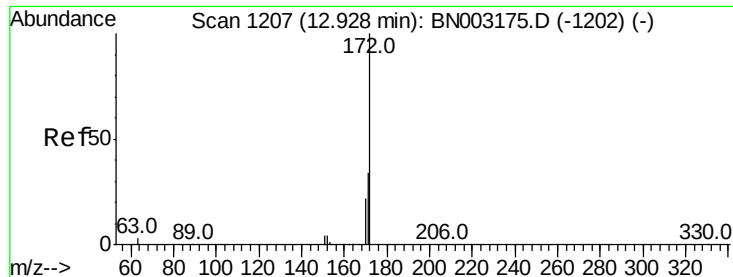


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

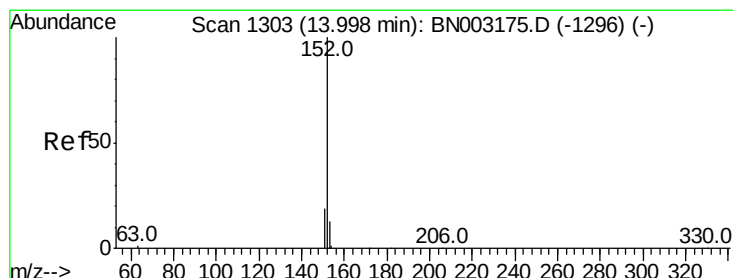
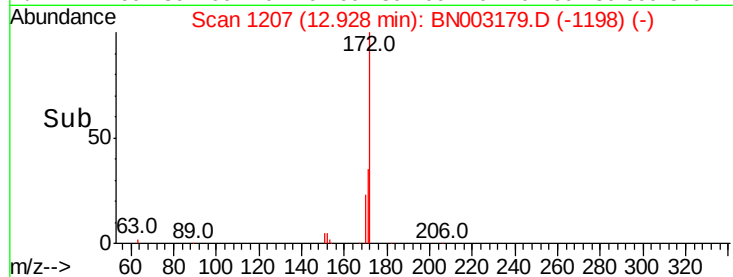
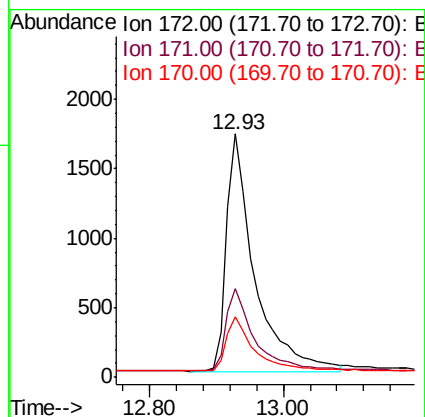
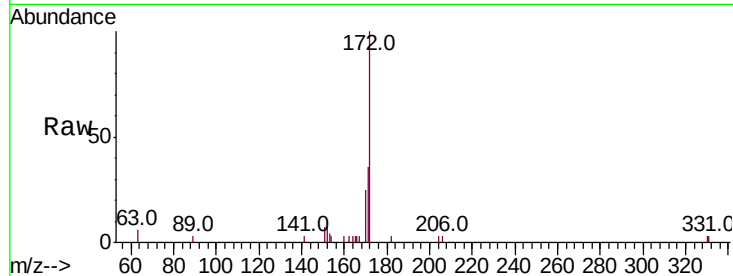




#15  
2-Fluorobiphenyl  
Concen: 0.376 ng  
RT: 12.93 min Scan# 1207  
Delta R.T. 0.00 min  
Lab File: BN003179.D  
Acq: 17 Oct 2018 13:23

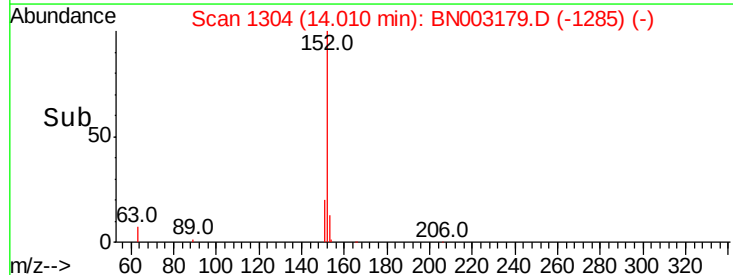
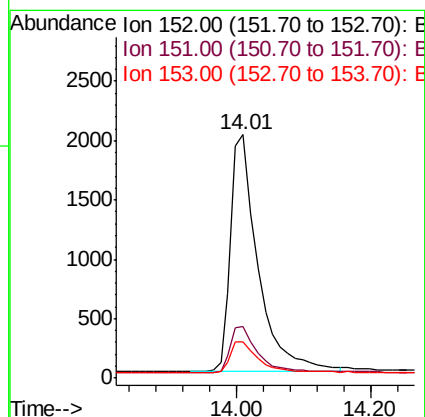
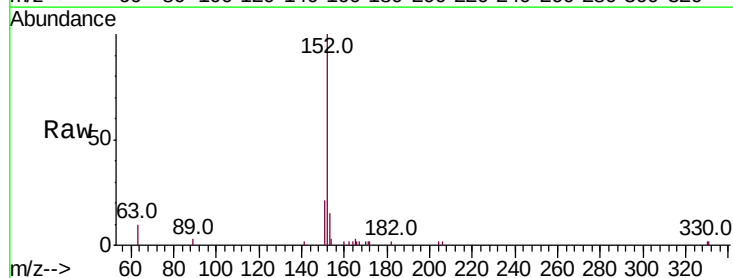
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN101718

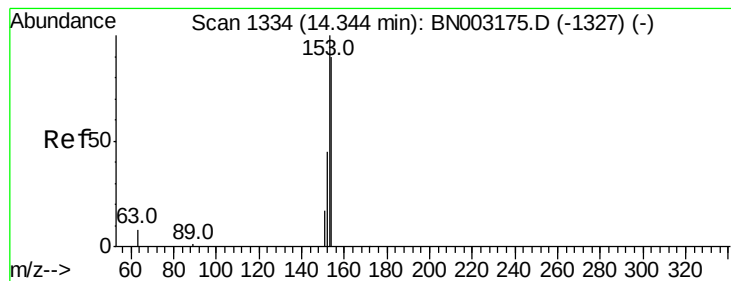
Tot Ion:172 Resp: 4976  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.6 43.0  
170 24.7 18.6 27.8



#16  
Acenaphthylene  
Concen: 0.374 ng  
RT: 14.01 min Scan# 1304  
Delta R.T. 0.01 min  
Lab File: BN003179.D  
Acq: 17 Oct 2018 13:23

Tgt Ion:152 Resp: 5711  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.7 23.5  
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 0.387 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

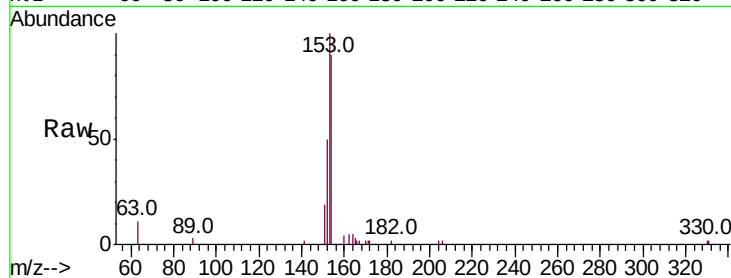
Tot Ion:154 Resp: 3935

Ion Ratio Lower Upper

154 100

153 112.7 91.0 136.4

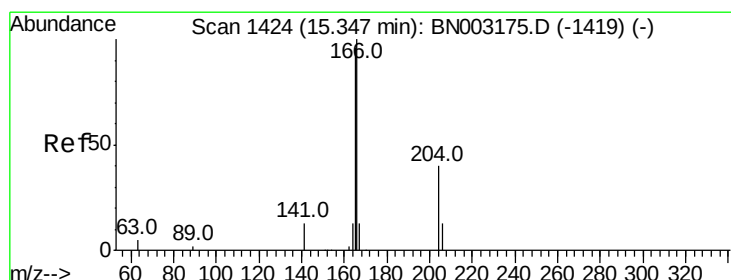
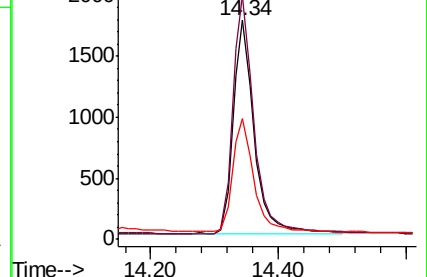
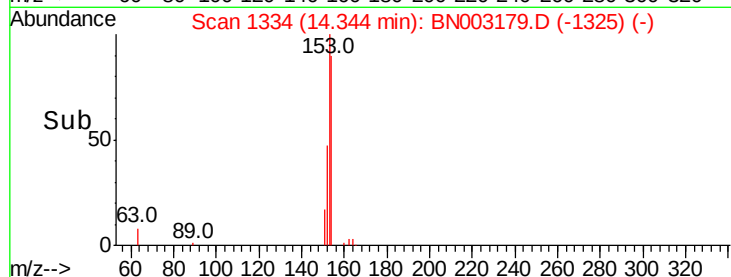
152 54.6 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.380 ng

RT: 15.35 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

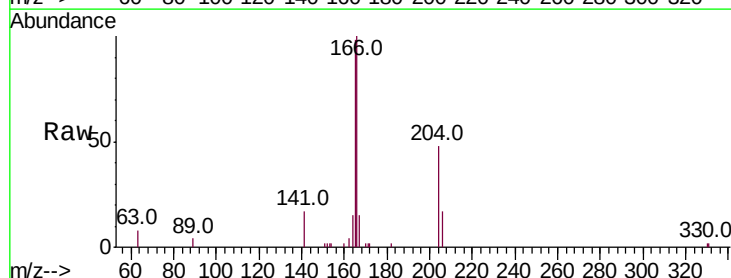
Tgt Ion:166 Resp: 5028

Ion Ratio Lower Upper

166 100

165 98.1 78.2 117.2

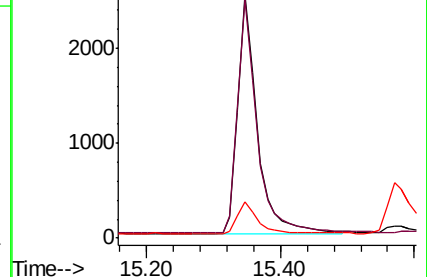
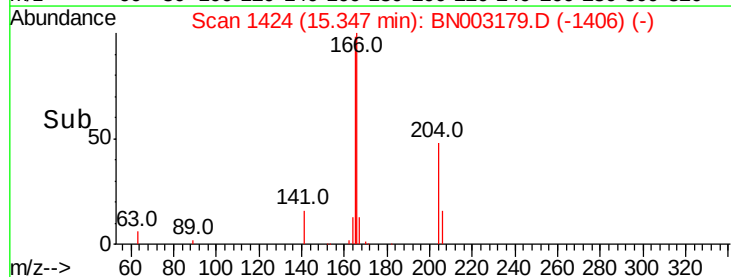
167 13.8 10.7 16.1

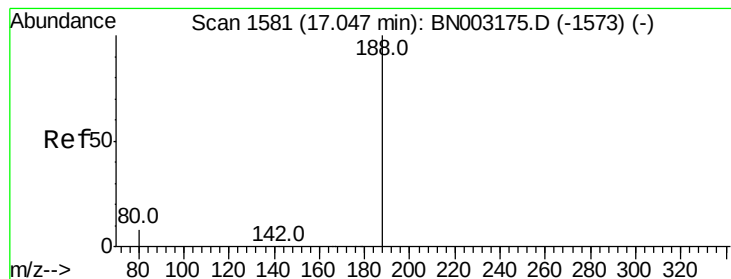


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.05 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

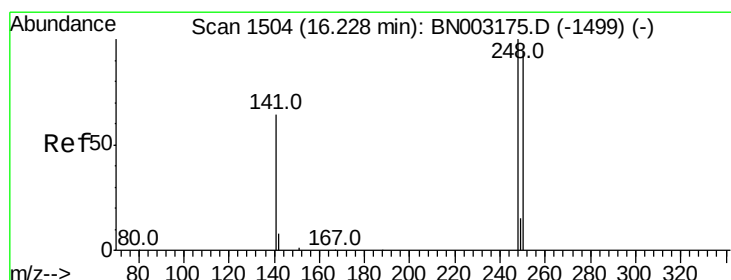
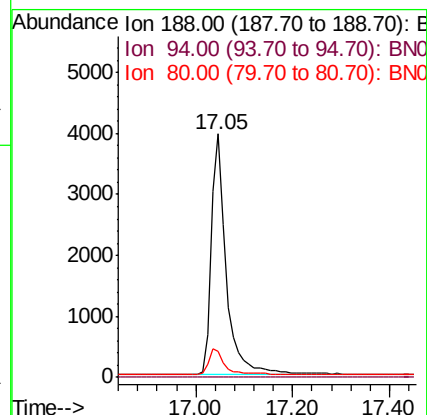
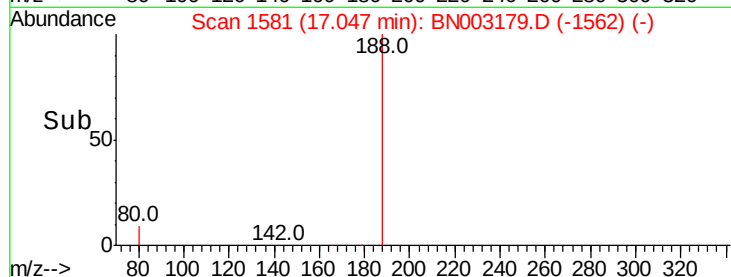
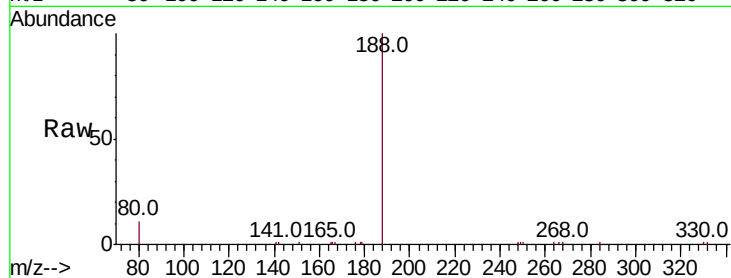
Tot Ion:188 Resp: 8510

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 6.7 10.1#



#20

4-Bromophenyl-phenylether

Concen: 0.378 ng

RT: 16.23 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

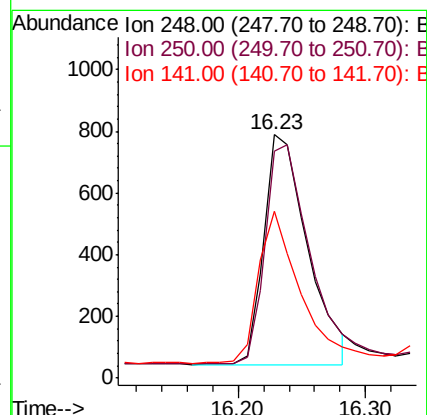
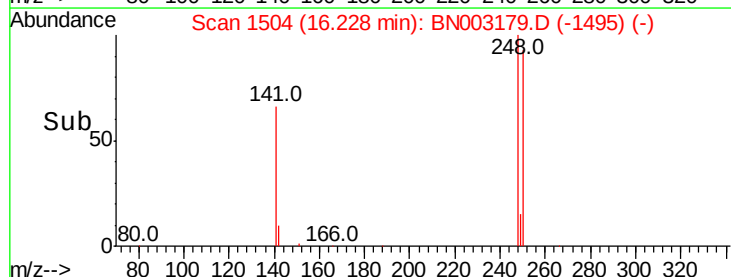
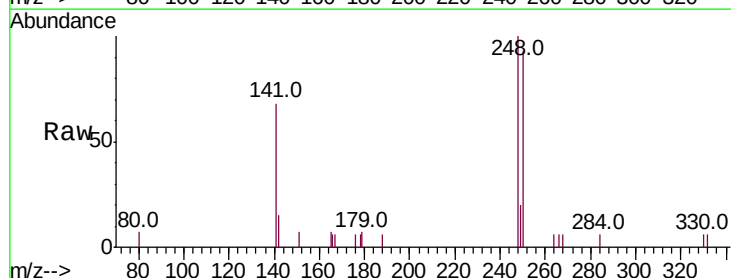
Tgt Ion:248 Resp: 1775

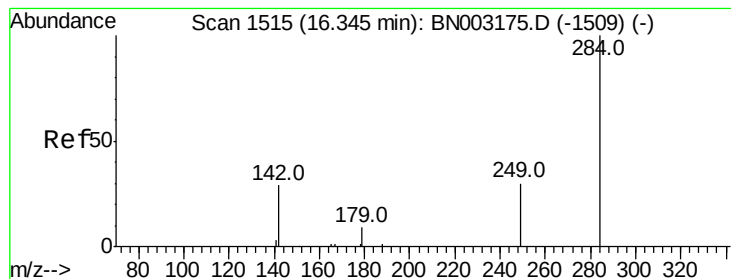
Ion Ratio Lower Upper

248 100

250 93.2 78.9 118.3

141 68.4 48.5 72.7





#21

Hexachlorobenzene

Concen: 0.386 ng

RT: 16.36 min Scan# 1516

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

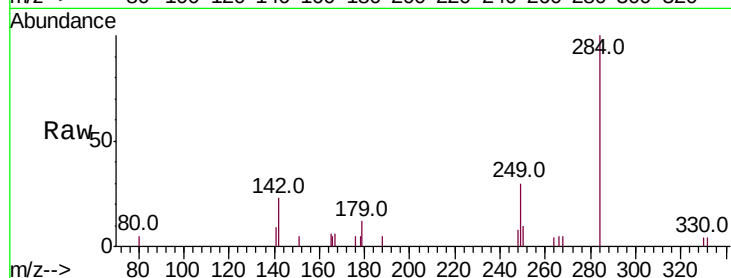
Tot Ion:284 Resp: 2024

Ion Ratio Lower Upper

284 100

142 30.1 24.6 37.0

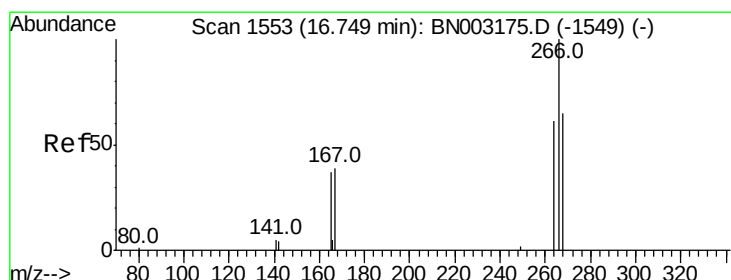
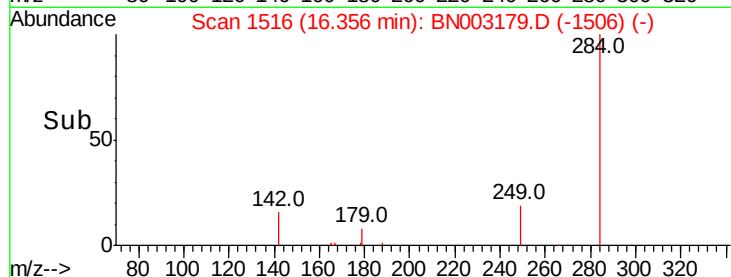
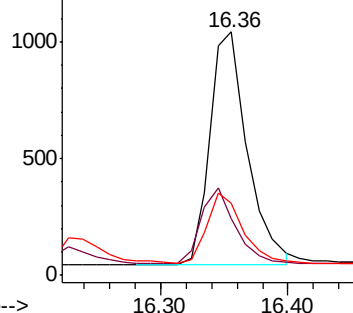
249 28.2 22.3 33.5



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: 0.400 ng

RT: 16.76 min Scan# 1554

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

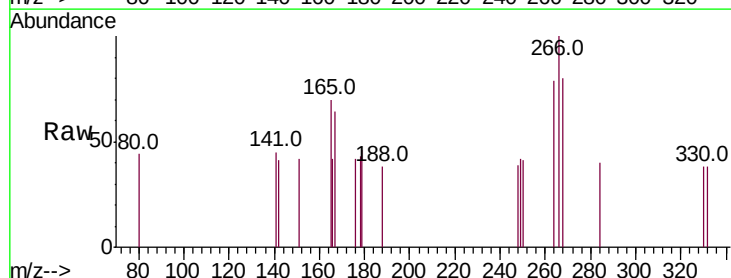
Tgt Ion:266 Resp: 301

Ion Ratio Lower Upper

266 100

264 78.6 55.0 82.4

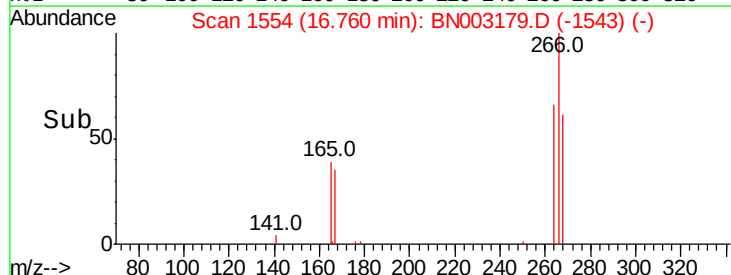
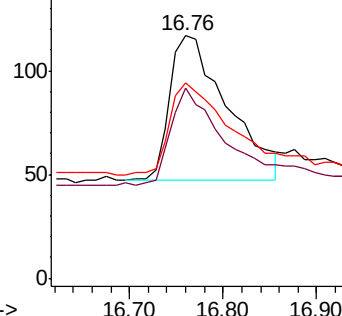
268 80.3 60.6 91.0

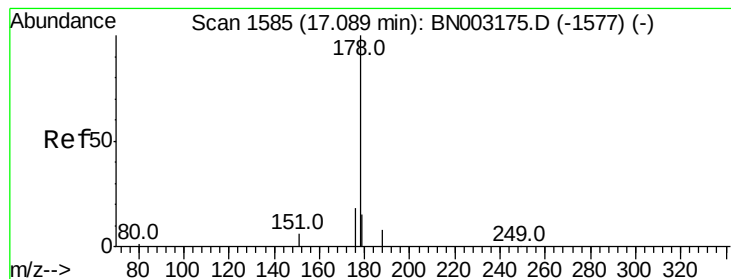


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

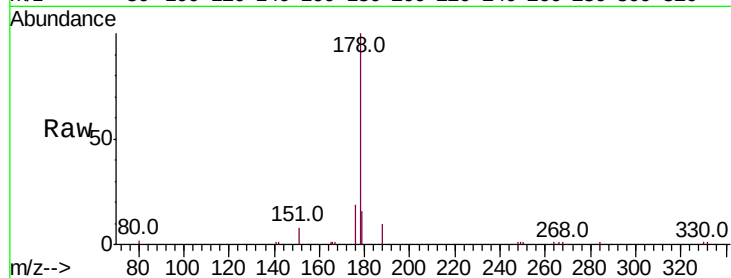
Tot Ion:178 Resp: 8458

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

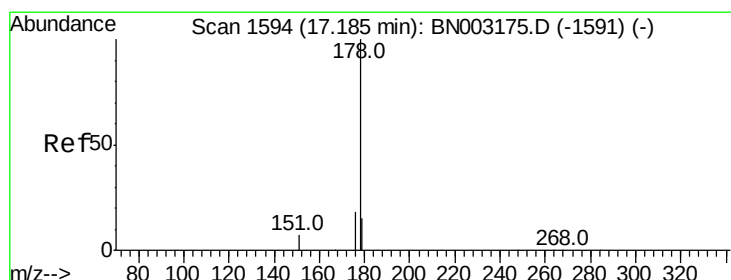
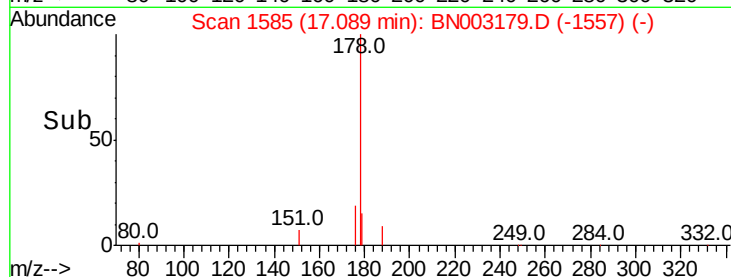
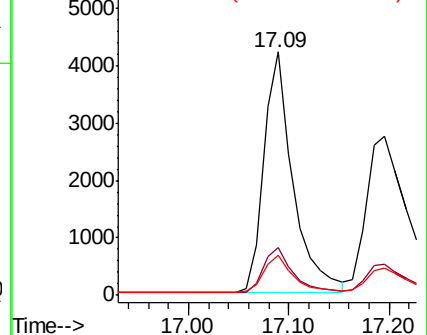
179 15.4 12.3 18.5



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



#24

Anthracene

Concen: 0.374 ng

RT: 17.20 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

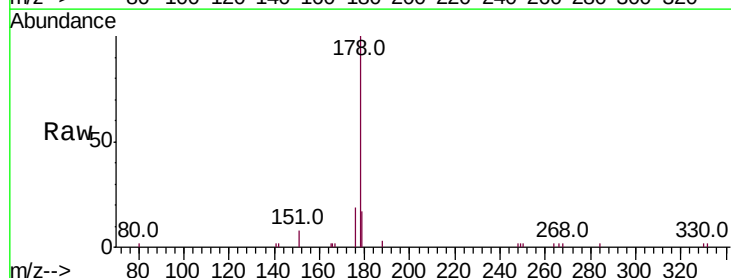
Tgt Ion:178 Resp: 7633

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

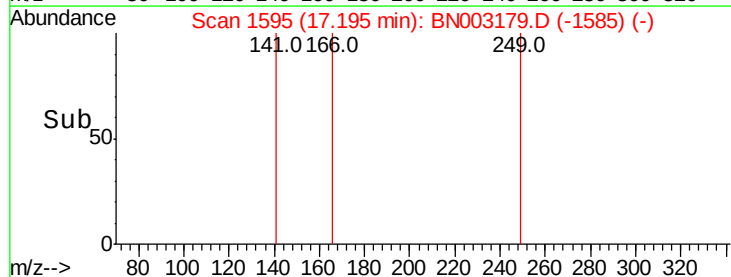
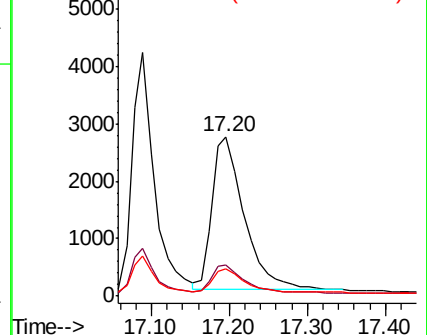
179 15.0 12.3 18.5

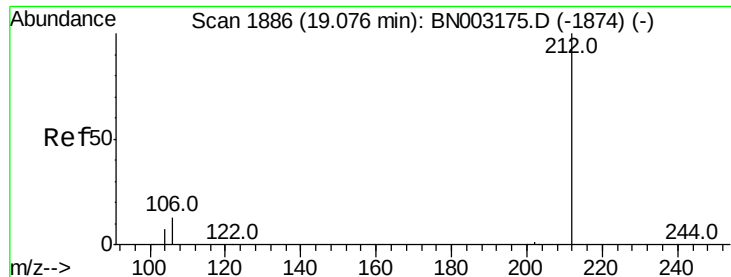


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.08 min Scan# 1887

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

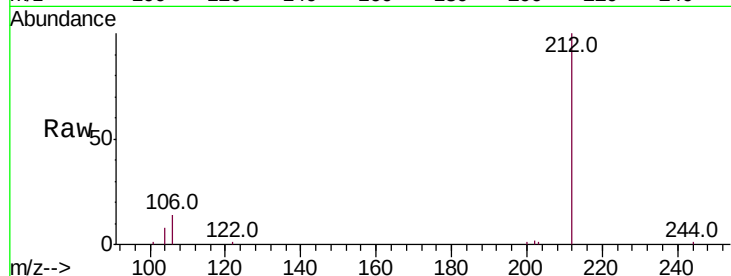
Tot Ion:212 Resp: 9922

Ion Ratio Lower Upper

212 100

106 13.4 10.2 15.4

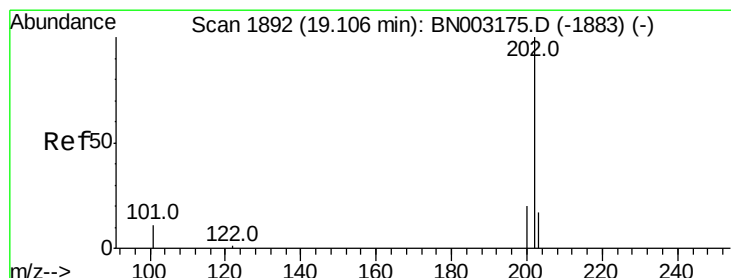
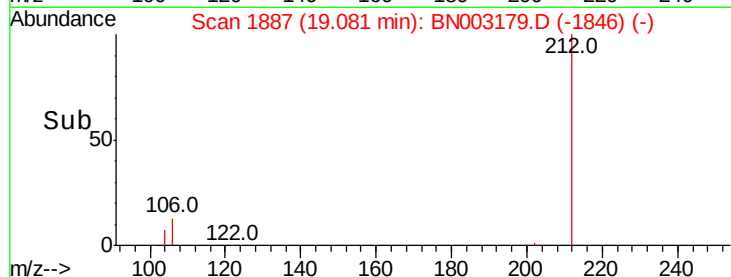
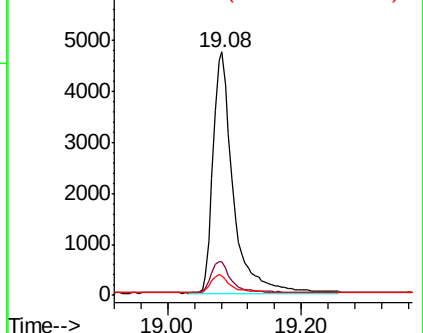
104 7.3 5.8 8.6



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: 0.378 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

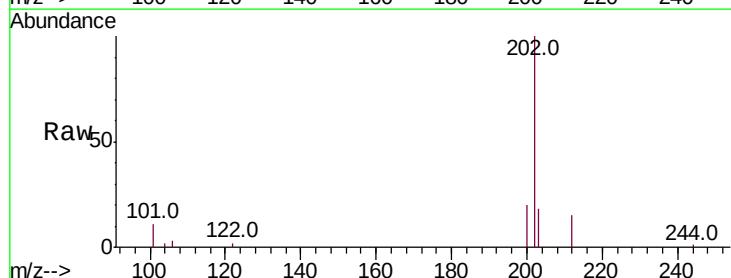
Tgt Ion:202 Resp: 10797

Ion Ratio Lower Upper

202 100

101 11.2 8.6 12.8

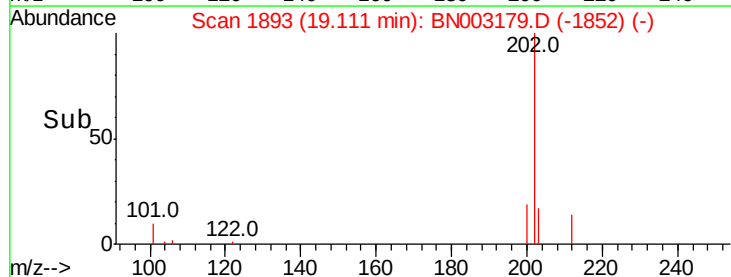
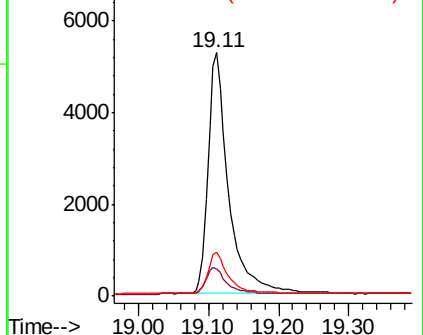
203 17.0 13.7 20.5

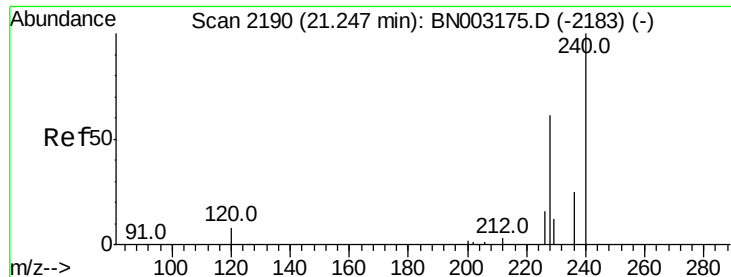


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

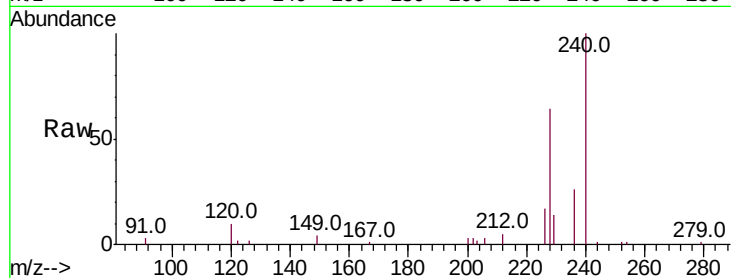
Tot Ion:240 Resp: 10813

Ion Ratio Lower Upper

240 100

120 10.0 7.8 11.8

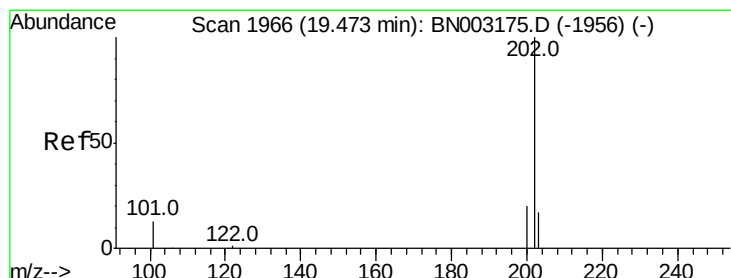
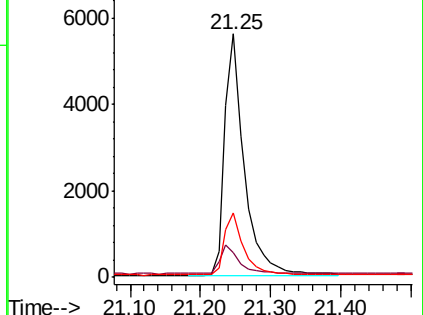
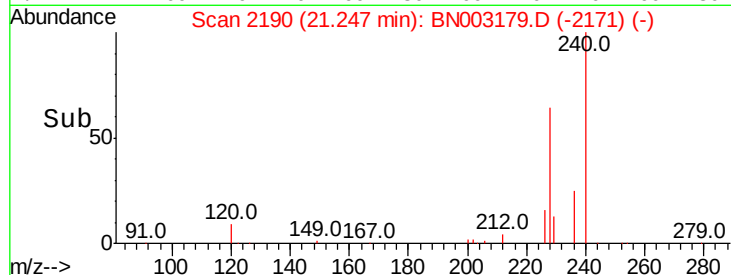
236 26.2 21.0 31.4



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: 0.375 ng

RT: 19.48 min Scan# 1967

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

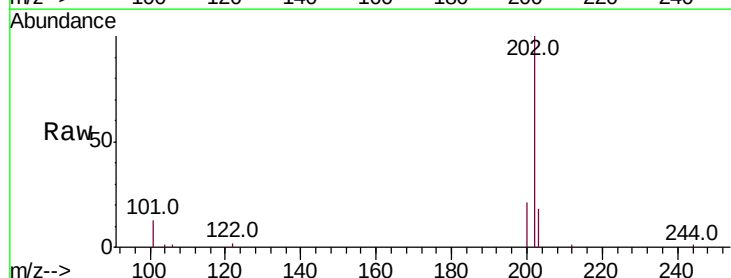
Tgt Ion:202 Resp: 11328

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

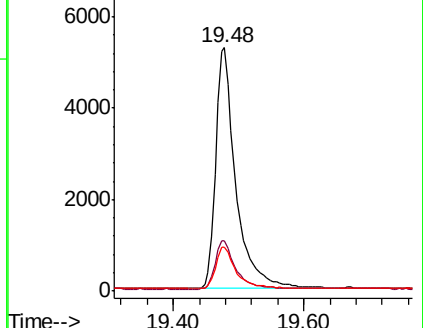
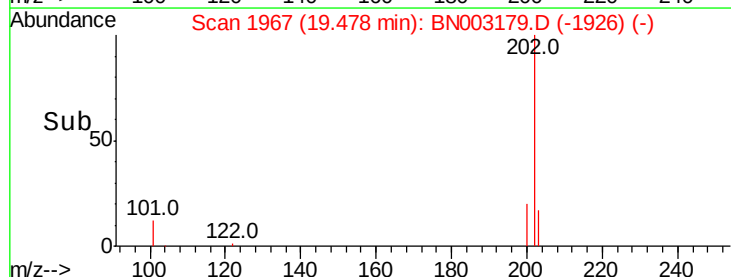
203 17.4 14.2 21.2



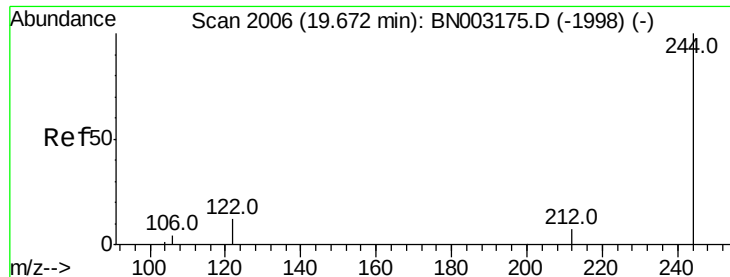
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.366 ng

RT: 19.68 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

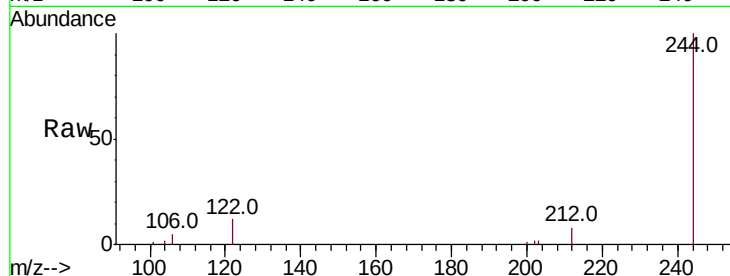
Tot Ion:244 Resp: 8581

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.4

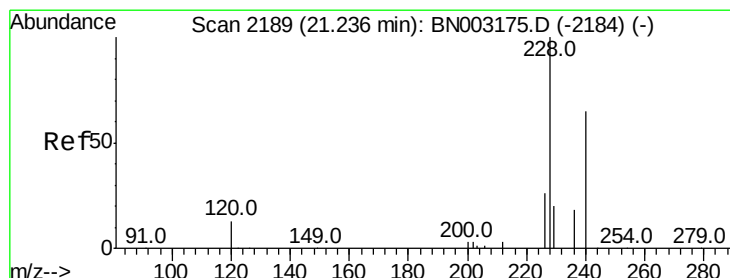
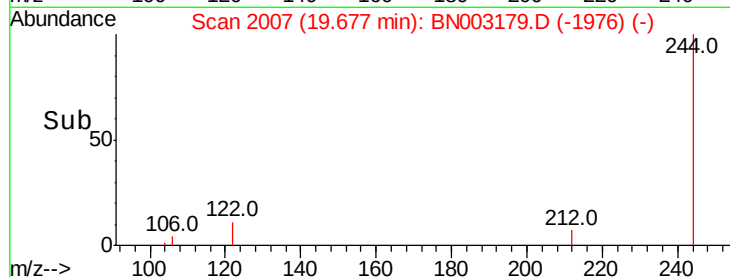
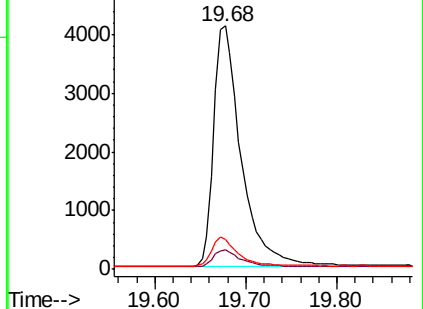
122 12.3 9.1 13.7



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: 0.338 ng

RT: 21.24 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

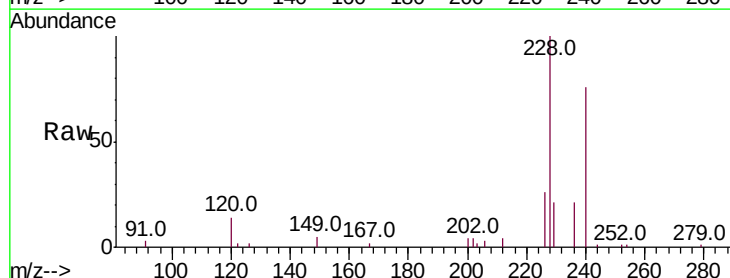
Tgt Ion:228 Resp: 9836

Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.2

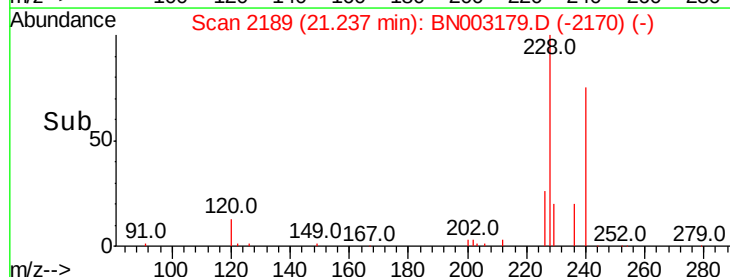
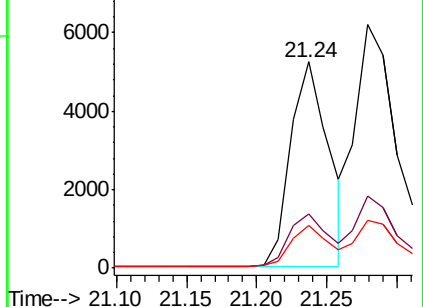
229 20.5 16.4 24.6

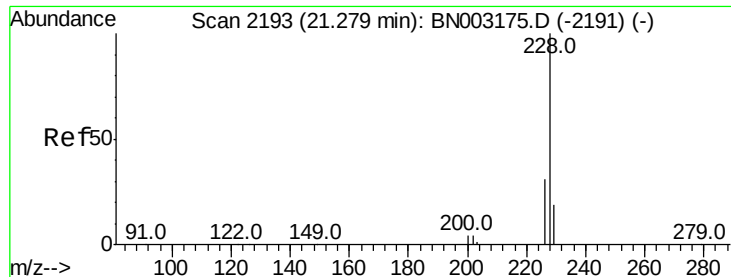


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.391 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

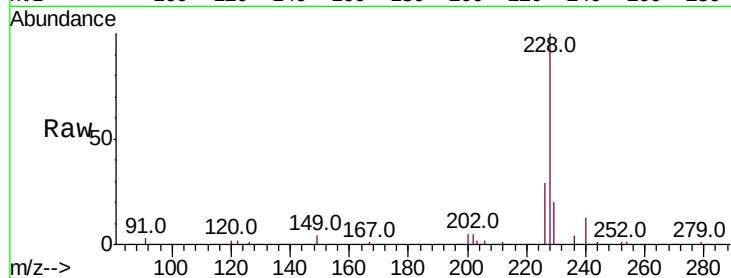
BNA\_N

ClientSampleId :

ICVBN101718

Tot Ion:228 Resp: 13006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.4  | 23.1  | 34.7  |
| 229 | 19.8  | 15.9  | 23.9  |

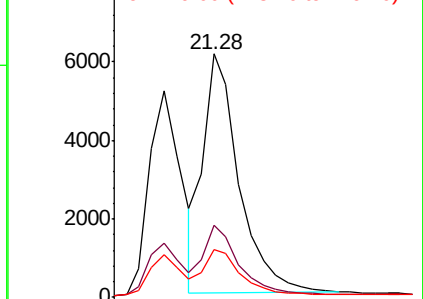


Abundance

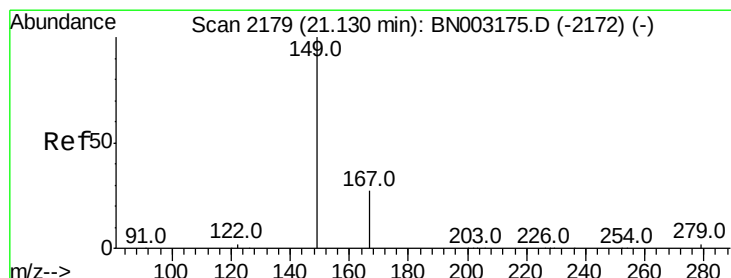
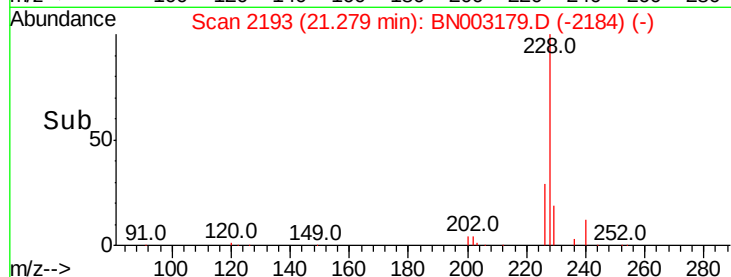
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.351 ng

RT: 21.13 min Scan# 2179

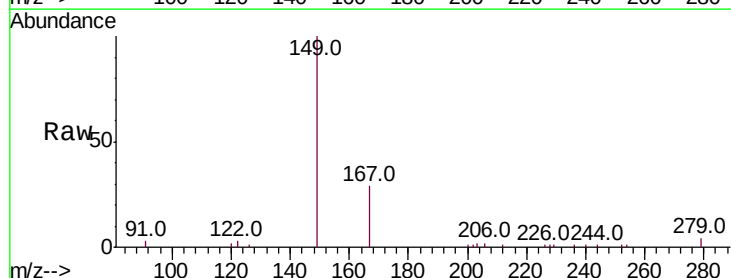
Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Tgt Ion:149 Resp: 6280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.5  | 22.2  | 33.4  |
| 279 | 5.0   | 3.7   | 5.5   |

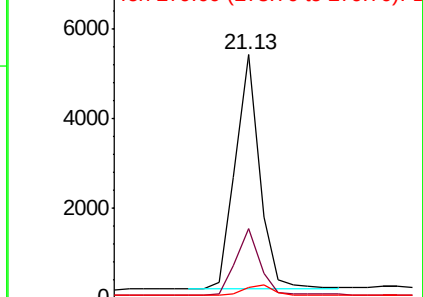


Abundance

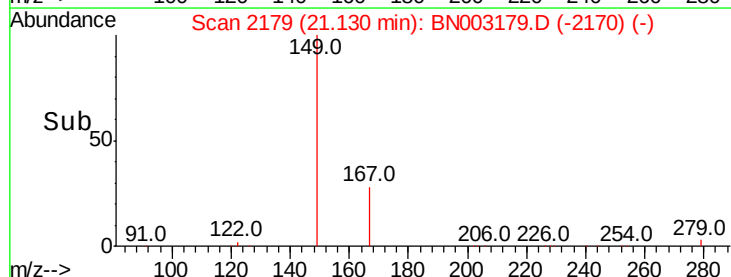
Ion 149.00 (148.70 to 149.70): E

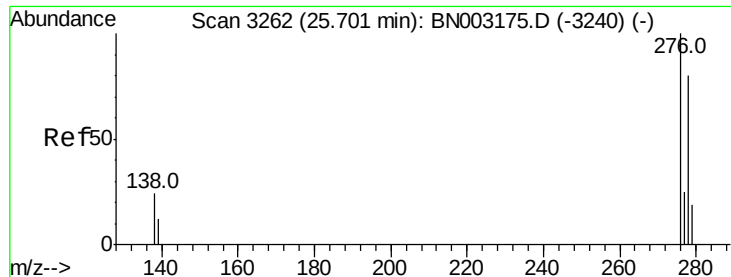
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.352 ng

RT: 25.71 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

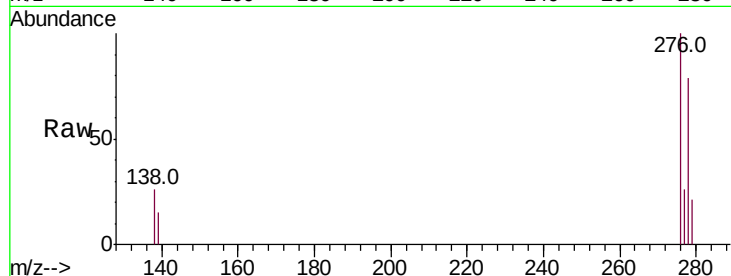
Tot Ion:276 Resp: 13825

Ion Ratio Lower Upper

276 100

138 23.5 18.2 27.4

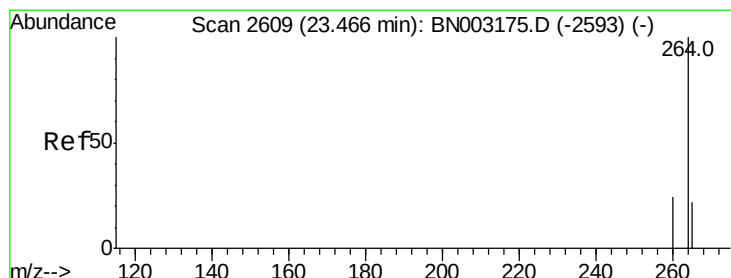
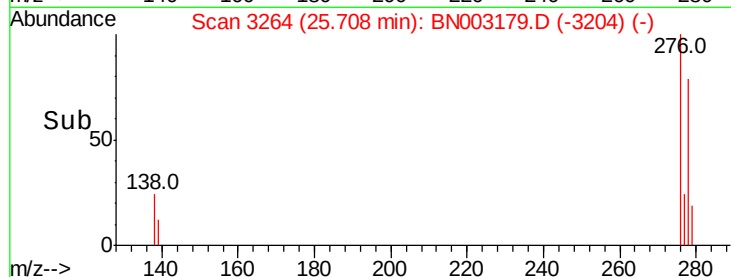
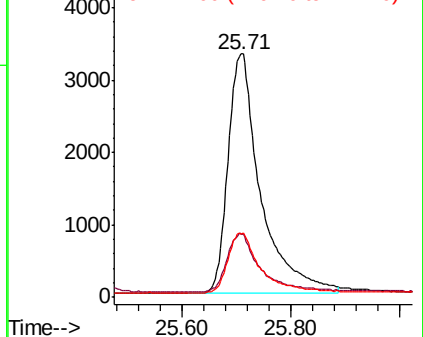
277 24.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

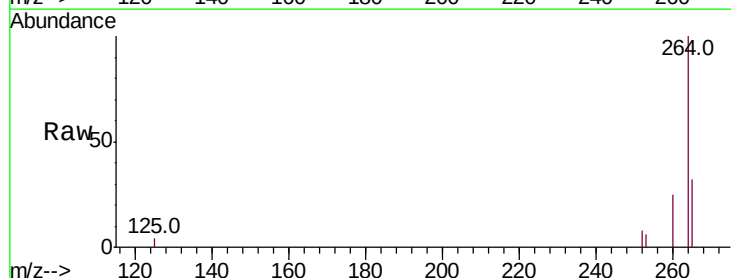
Tgt Ion:264 Resp: 11221

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

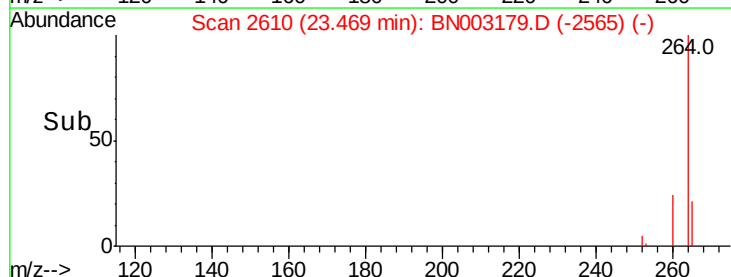
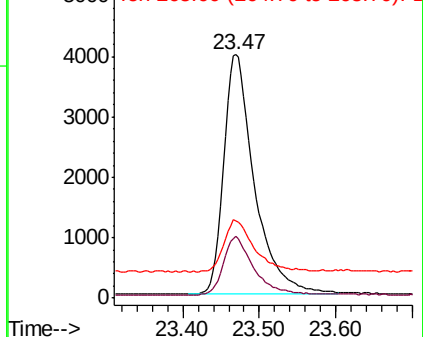
265 31.7 27.6 41.4

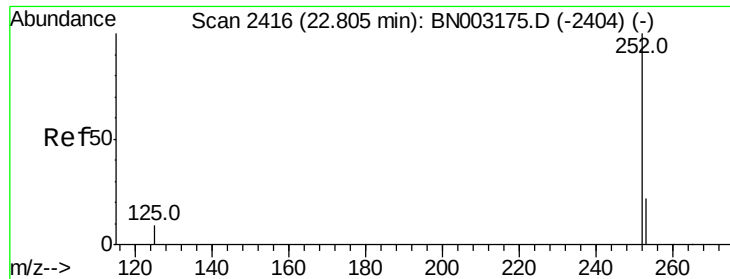


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

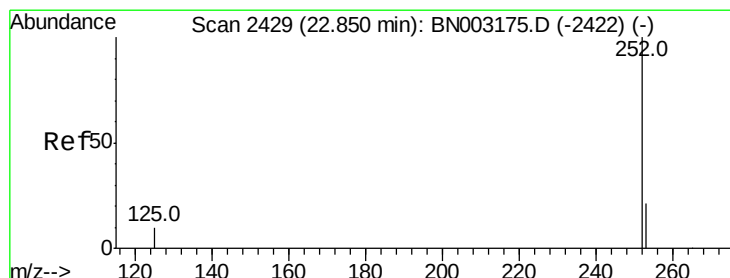
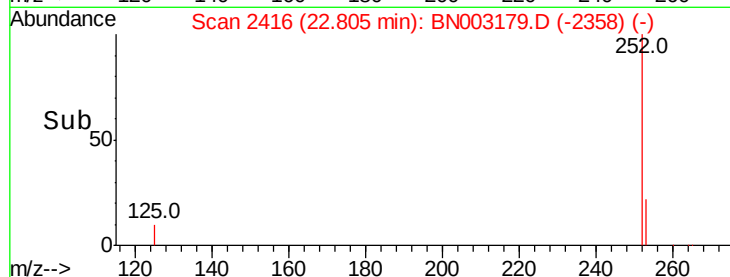
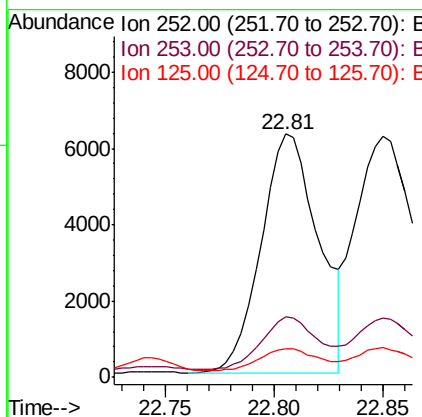
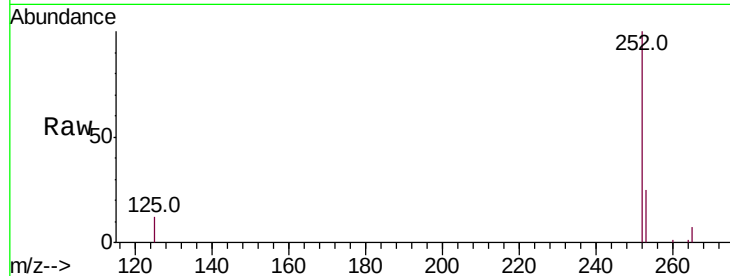




#35  
Benzo(b)fluoranthene  
Concen: 0.379 ng  
RT: 22.81 min Scan# 2416  
Delta R.T. 0.00 min  
Lab File: BN003179.D  
Acq: 17 Oct 2018 13:23

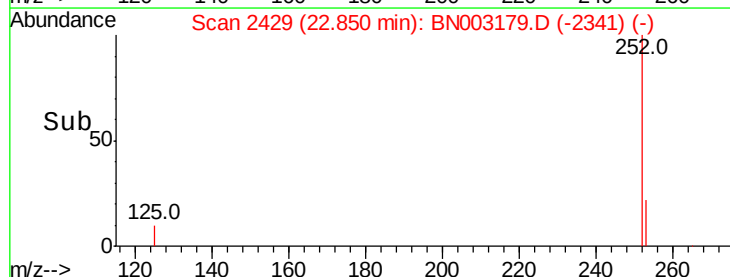
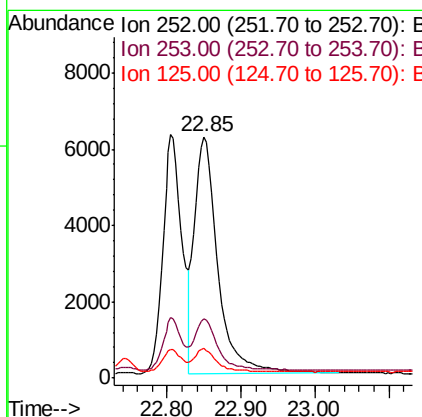
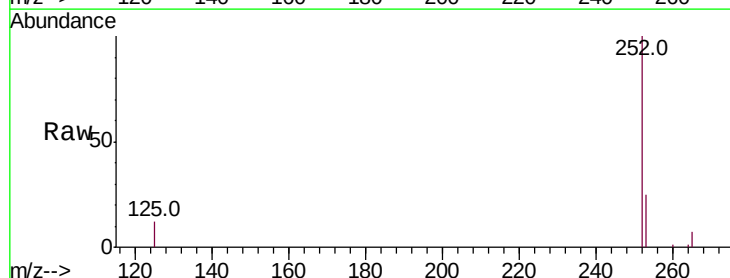
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN101718

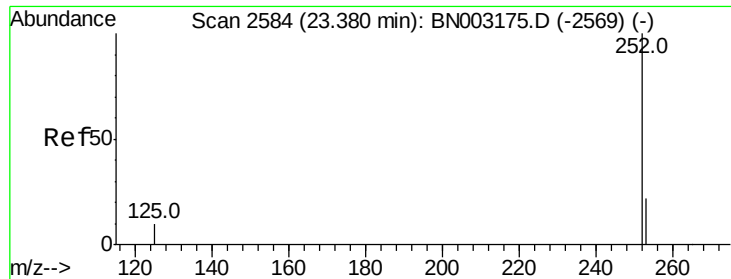
Tot Ion:252 Resp: 11480  
Ion Ratio Lower Upper  
252 100  
253 24.6 20.8 31.2  
125 11.9 9.6 14.4



#36  
Benzo(k)fluoranthene  
Concen: 0.378 ng  
RT: 22.85 min Scan# 2429  
Delta R.T. 0.00 min  
Lab File: BN003179.D  
Acq: 17 Oct 2018 13:23

Tgt Ion:252 Resp: 13533  
Ion Ratio Lower Upper  
252 100  
253 24.6 20.5 30.7  
125 12.2 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.371 ng

RT: 23.38 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

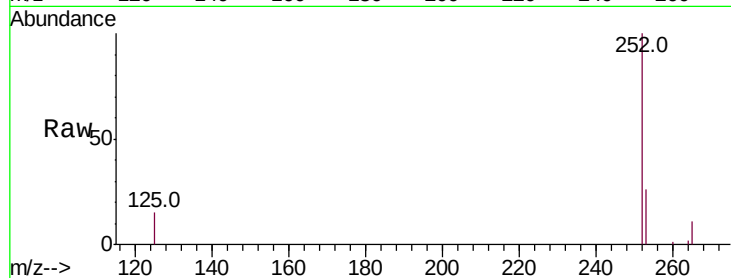
Tot Ion:252 Resp: 11590

Ion Ratio Lower Upper

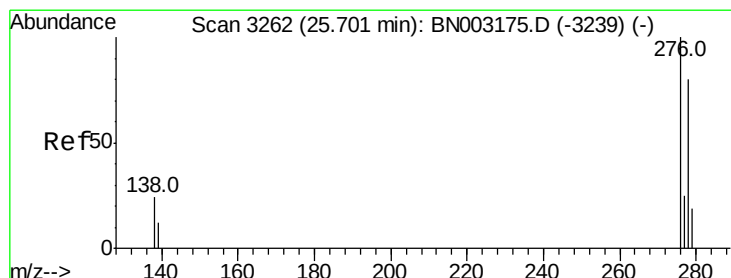
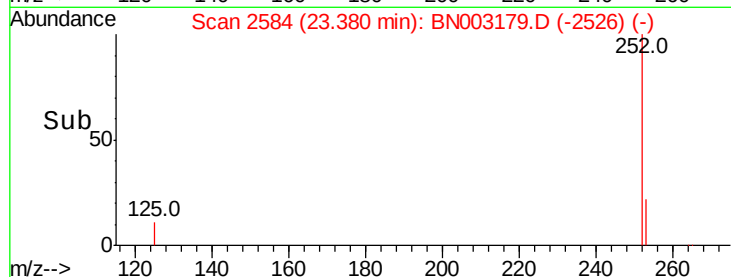
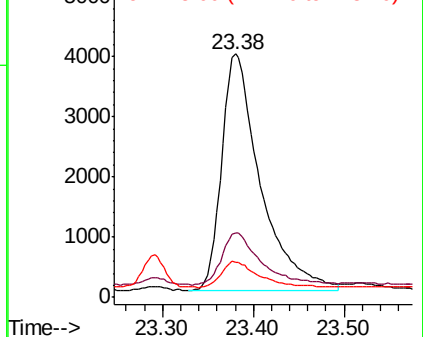
252 100

253 26.3 22.4 33.6

125 14.6 11.4 17.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.360 ng

RT: 25.70 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

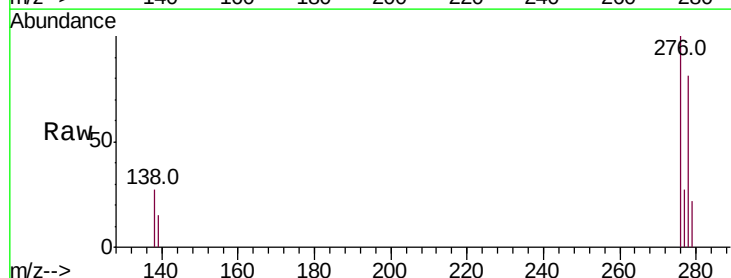
Tgt Ion:278 Resp: 11481

Ion Ratio Lower Upper

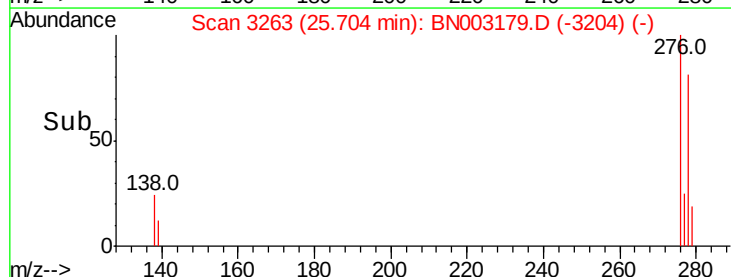
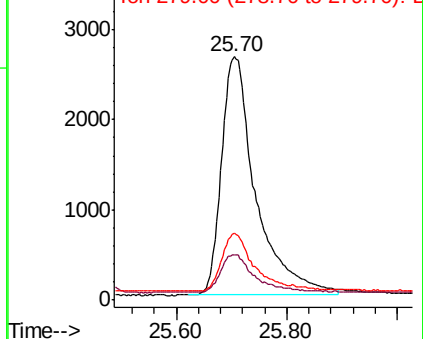
278 100

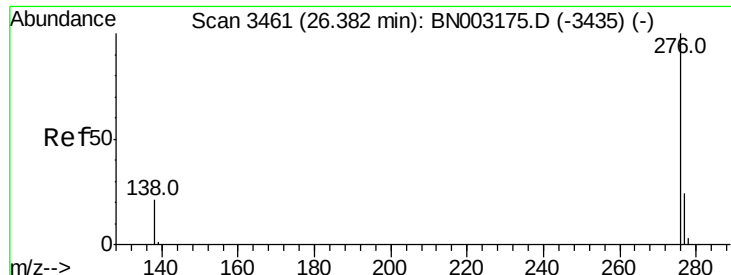
139 18.5 14.6 21.8

279 27.3 23.1 34.7



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: 0.364 ng

RT: 26.38 min Scan# 3461

Delta R.T. 0.00 min

Lab File: BN003179.D

Acq: 17 Oct 2018 13:23

Instrument :

BNA\_N

ClientSampleId :

ICVBN101718

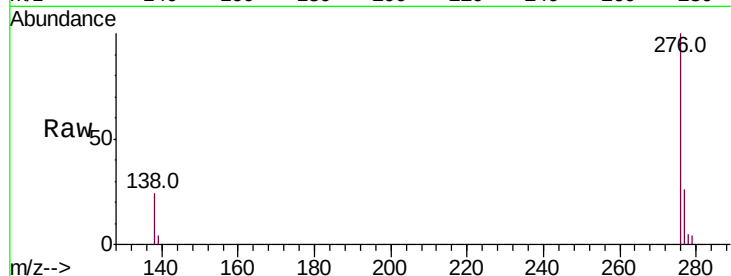
Tot Ion:276 Resp: 11736

Ion Ratio Lower Upper

276 100

277 25.7 21.0 31.4

138 23.6 18.1 27.1



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

