

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\  
 Data File : BN003327.D  
 Acq On : 27 Oct 2018 04:21  
 Operator : MJ/SJ  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDC00.4EC

Quant Time: Oct 27 05:50:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 26 15:17:57 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 13921    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.66 | 136  | 58909    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.49 | 164  | 35510    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.24 | 188  | 88073    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 113371   | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.73 | 264  | 114327   | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.42  | 112 | 13681 | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 7.01  | 99  | 17232 | 0.40 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 12416 | 0.48 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152 | 35528 | 0.37 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330 | 5337  | 0.38 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 53656 | 0.35 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 99086 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.86 | 244 | 89317 | 0.34 | ng | 0.00  |

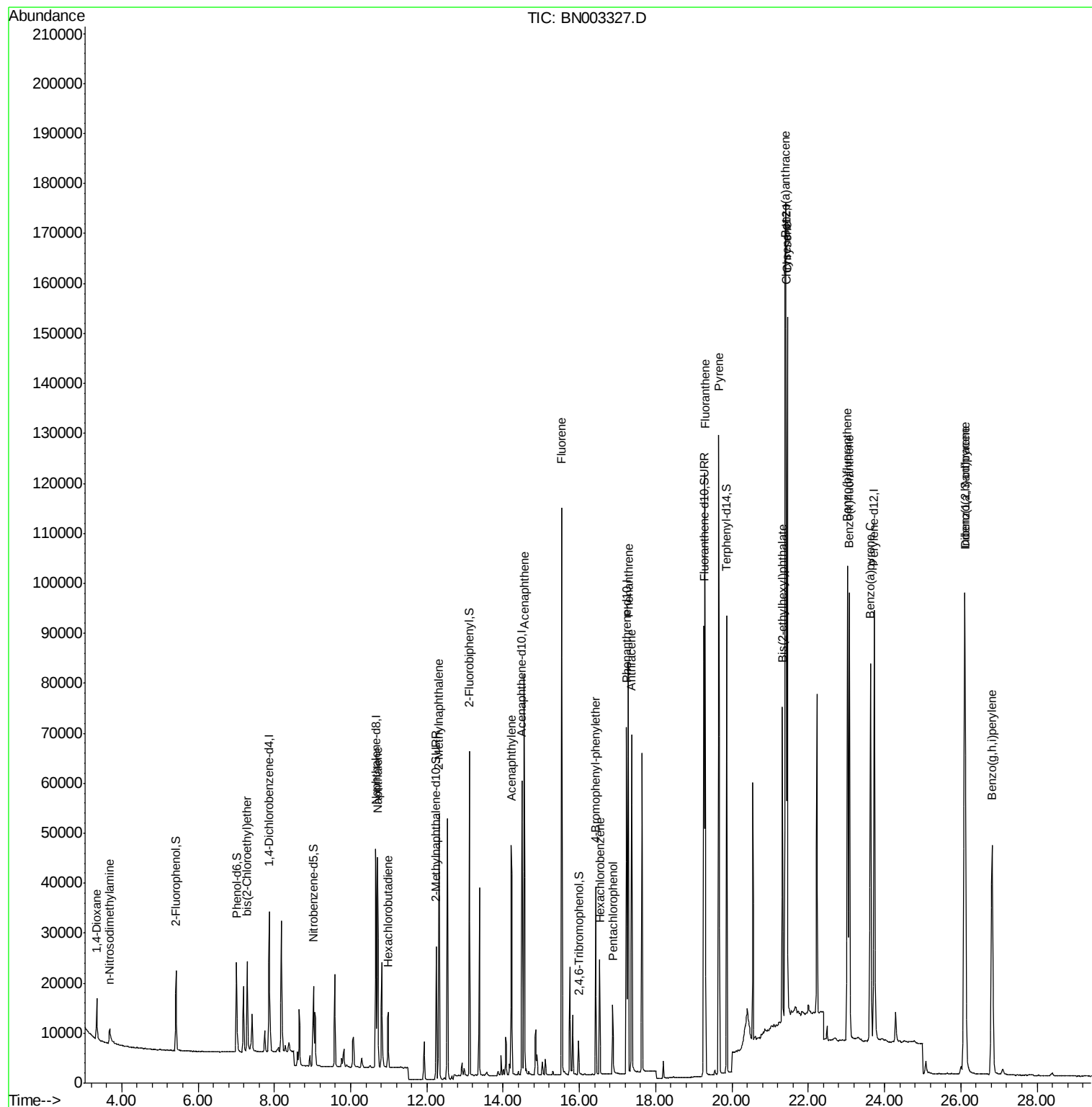
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 6278   | 0.348  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 3133   | 0.378  | ng | # 87 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 14968  | 0.385  | ng | 99   |
| 9) Naphthalene                 | 10.71 | 128 | 53457  | 0.371  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 9754   | 0.371  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.32 | 142 | 37179  | 0.369  | ng | 98   |
| 16) Acenaphthylene             | 14.21 | 152 | 55146  | 0.348  | ng | 100  |
| 17) Acenaphthene               | 14.56 | 154 | 39427  | 0.359  | ng | 99   |
| 18) Fluorene                   | 15.54 | 166 | 48569  | 0.354  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.43 | 248 | 17998  | 0.353  | ng | # 89 |
| 21) Hexachlorobenzene          | 16.54 | 284 | 18914  | 0.352  | ng | 99   |
| 22) Pentachlorophenol          | 16.88 | 266 | 6583   | 0.452  | ng | 99   |
| 23) Phenanthrene               | 17.28 | 178 | 85277  | 0.353  | ng | 100  |
| 24) Anthracene                 | 17.37 | 178 | 74478  | 0.359  | ng | 100  |
| 26) Fluoranthene               | 19.29 | 202 | 105370 | 0.380  | ng | 100  |
| 28) Pyrene                     | 19.66 | 202 | 111625 | 0.356  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 116401 | 0.392  | ng | 98   |
| 31) Chrysene                   | 21.45 | 228 | 113665 | 0.355  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 50892  | 0.579  | ng | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.10 | 276 | 123700 | 0.373  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.03 | 252 | 119502 | 0.339  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.08 | 252 | 118141 | 0.334  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.63 | 252 | 112170 | 0.346  | ng | 95   |
| 38) Dibenzo(a,h)anthracene     | 26.11 | 278 | 102590 | 0.339  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 26.82 | 276 | 101550 | 0.336  | ng | 100  |

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

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QLast Update : Fri Oct 26 15:17:57 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

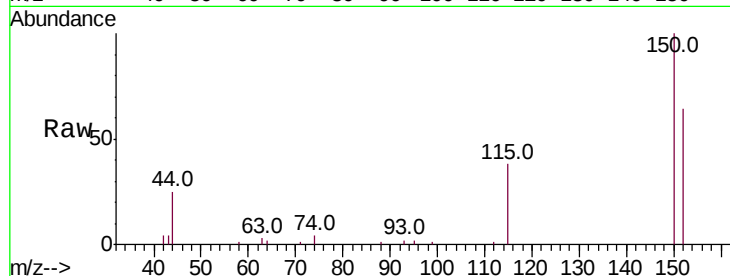
Tot Ion:152 Resp: 13921

Ion Ratio Lower Upper

152 100

150 157.3 124.6 187.0

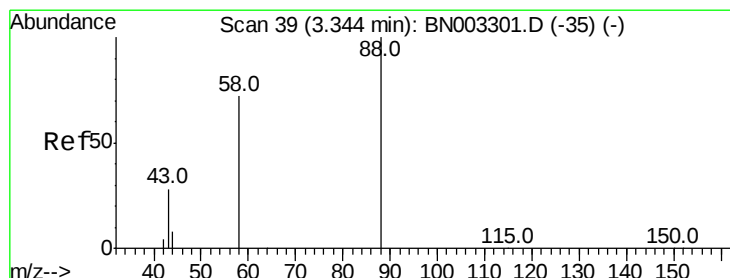
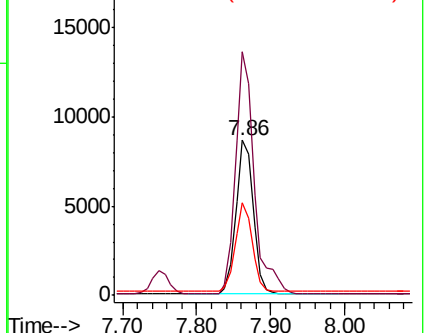
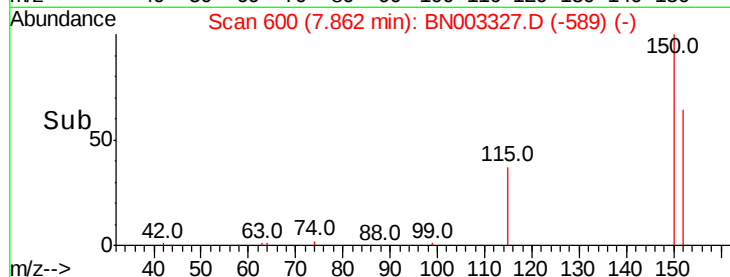
115 59.7 46.4 69.6



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: 0.348 ng

RT: 3.34 min Scan# 39

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

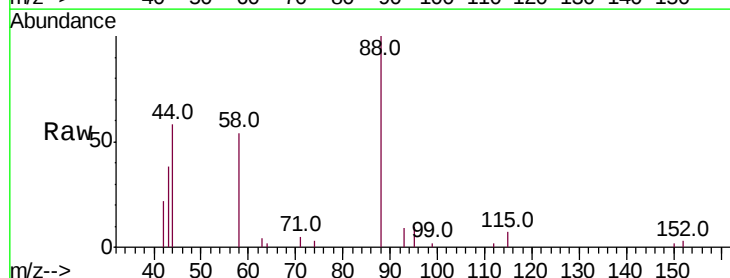
Tgt Ion: 88 Resp: 6278

Ion Ratio Lower Upper

88 100

58 74.1 60.9 91.3

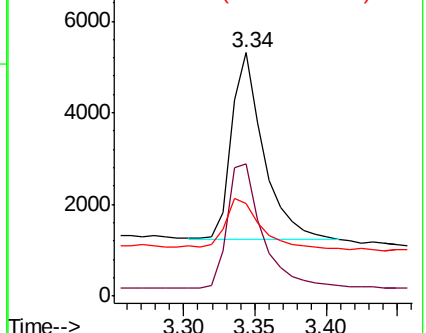
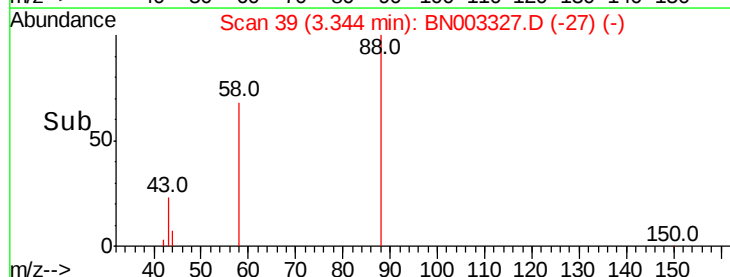
43 29.5 23.9 35.9



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: 0.378 ng

RT: 3.68 min Scan# 81

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

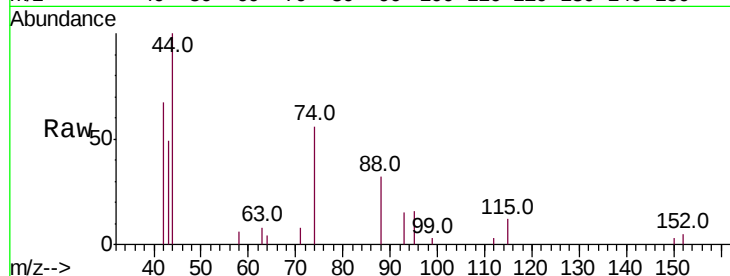
Tot Ion: 42 Resp: 3133

Ion Ratio Lower Upper

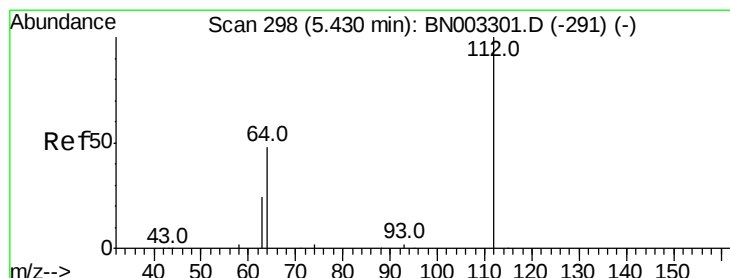
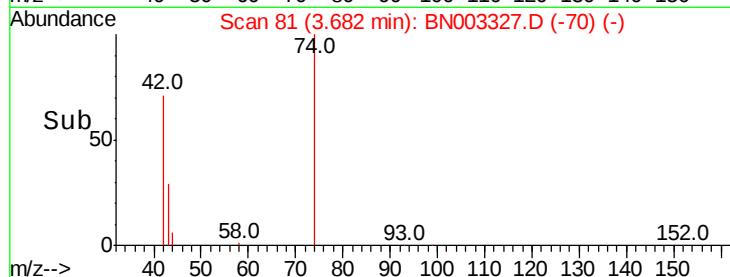
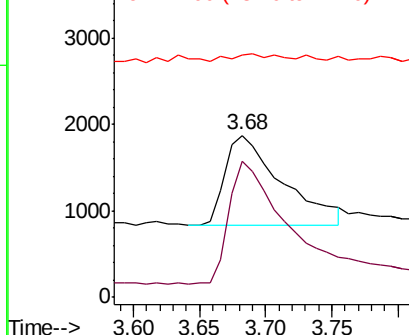
42 100

74 138.6 99.1 148.7

44 6.6 4.2 6.4#



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: 0.397 ng

RT: 5.42 min Scan# 297

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

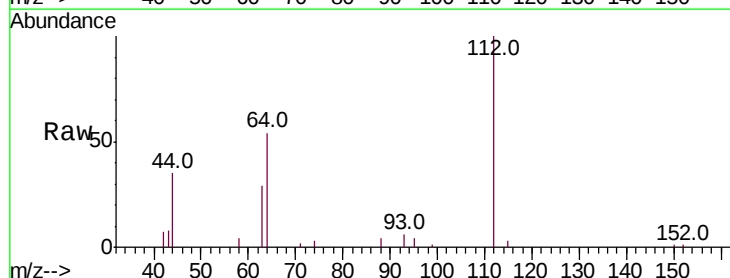
Tgt Ion: 112 Resp: 13681

Ion Ratio Lower Upper

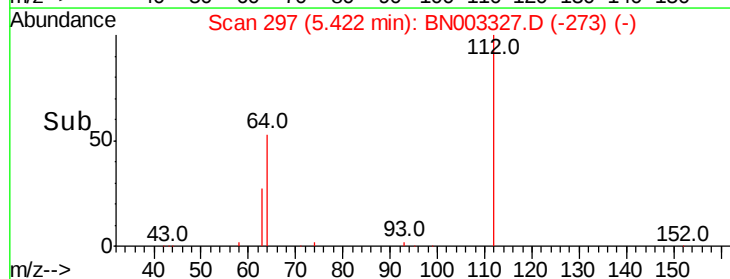
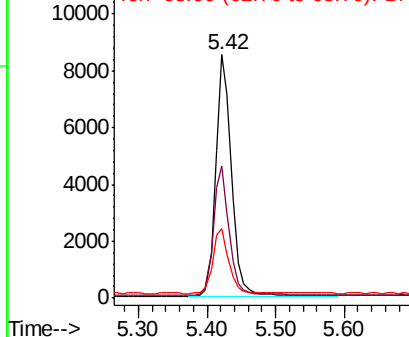
112 100

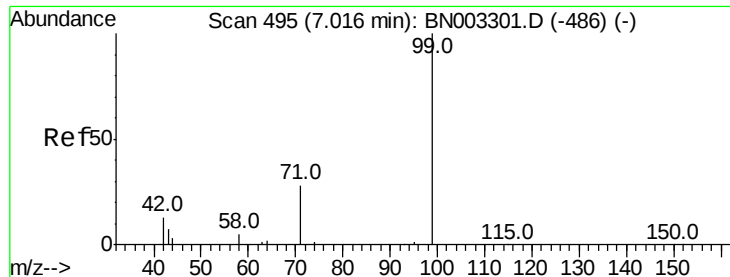
64 53.6 44.3 66.5

63 27.1 22.4 33.6



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: 0.396 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

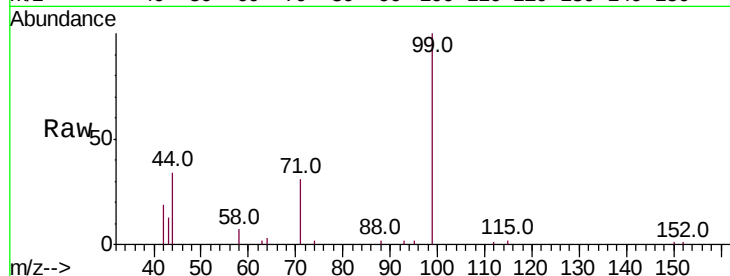
Tot Ion: 99 Resp: 17232

Ion Ratio Lower Upper

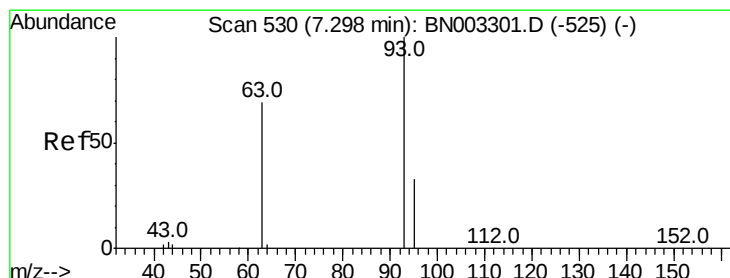
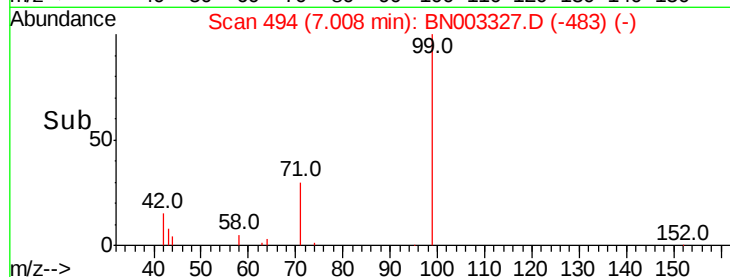
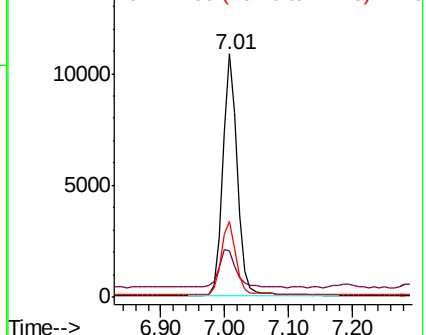
99 100

42 17.6 14.8 22.2

71 30.1 24.8 37.2



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: 0.385 ng

RT: 7.29 min Scan# 529

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

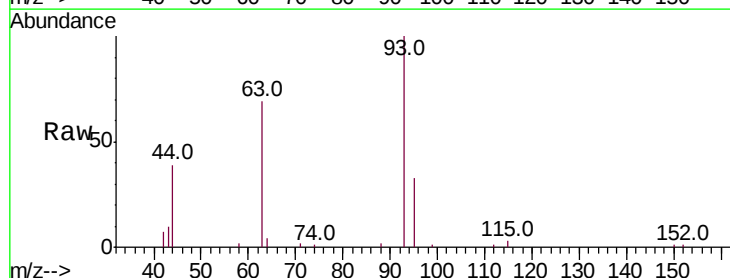
Tgt Ion: 93 Resp: 14968

Ion Ratio Lower Upper

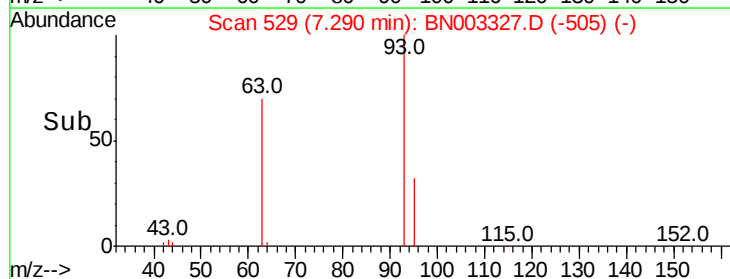
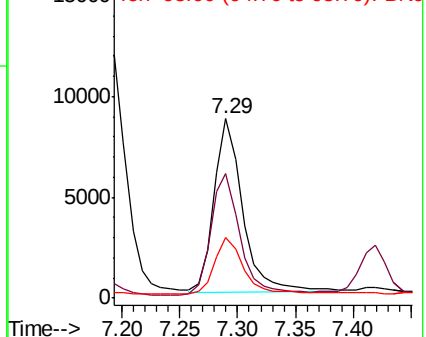
93 100

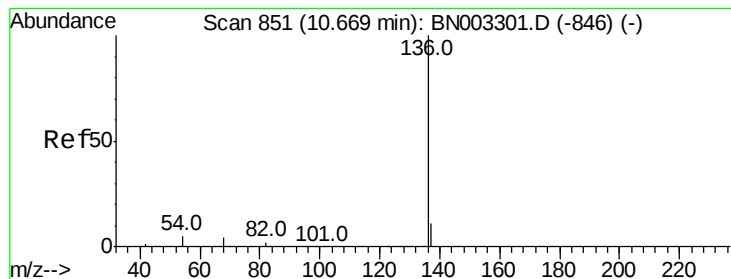
63 70.7 55.8 83.6

95 31.6 25.4 38.2



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: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 58909

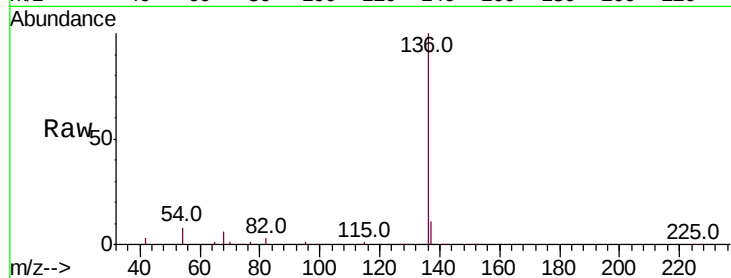
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 8.1 4.1 6.1#

68 6.5 3.5 5.3#

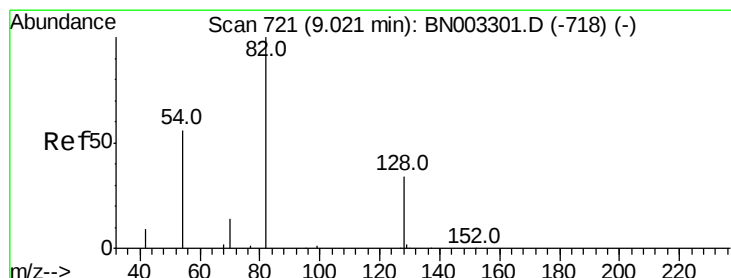
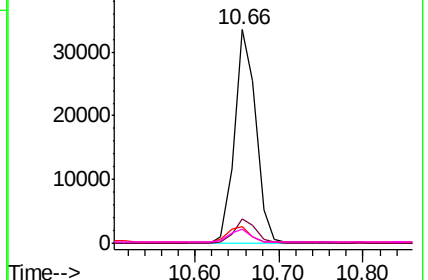
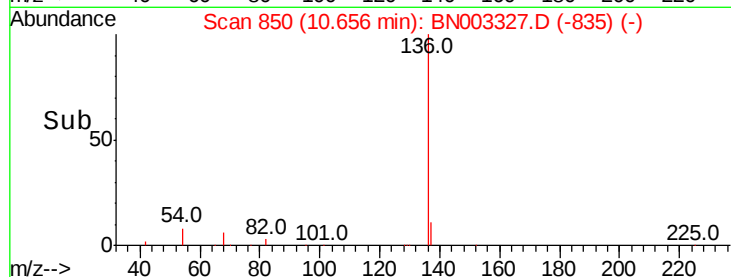


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.481 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

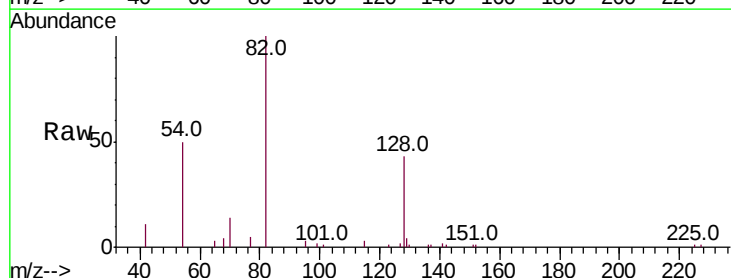
Tgt Ion: 82 Resp: 12416

Ion Ratio Lower Upper

82 100

128 43.2 28.9 43.3

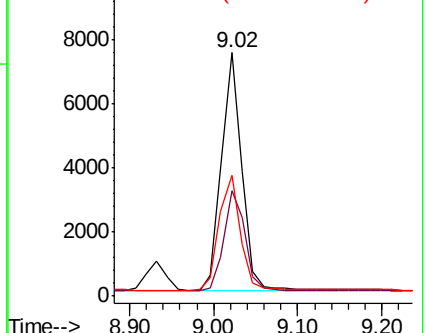
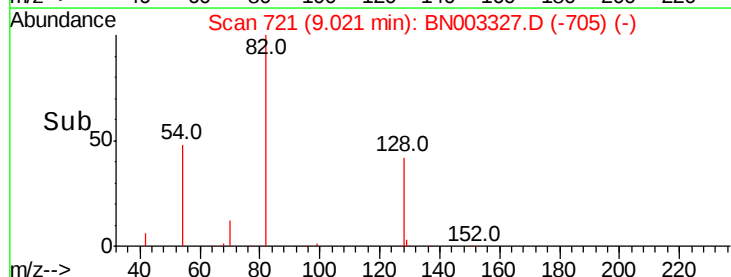
54 49.7 46.1 69.1

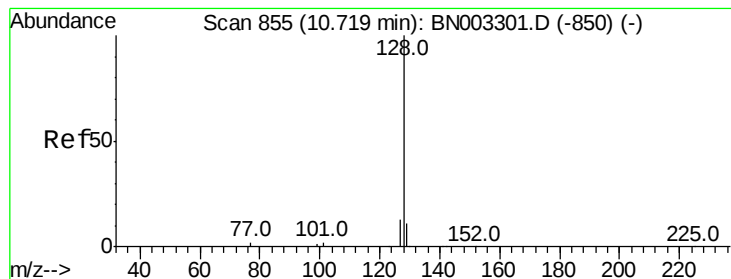


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.371 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

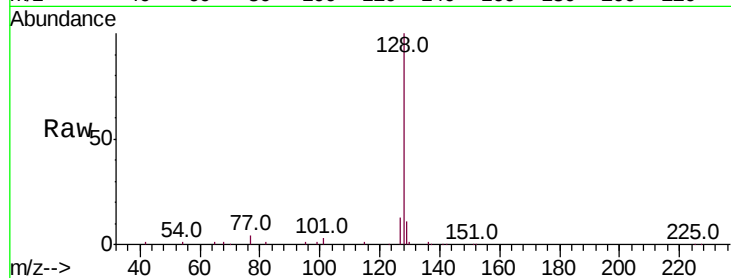
Tot Ion:128 Resp: 53457

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

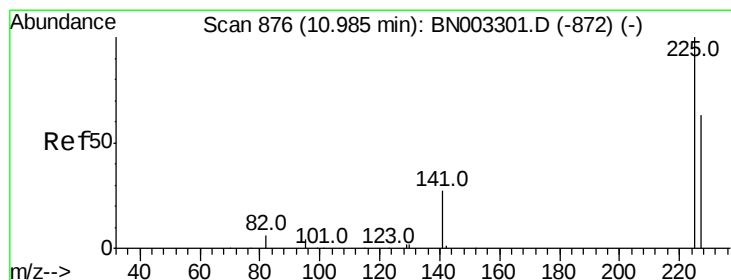
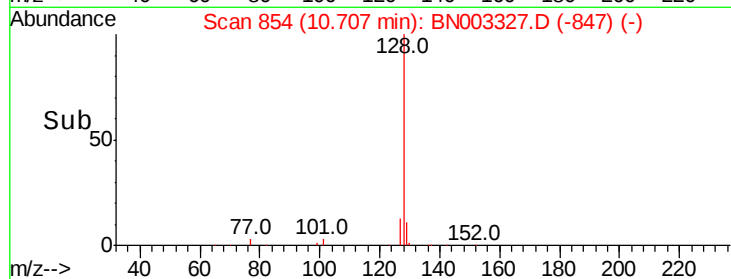
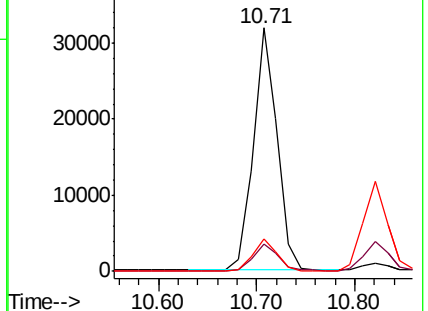
127 13.2 10.2 15.4



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: 0.371 ng

RT: 10.99 min Scan# 876

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

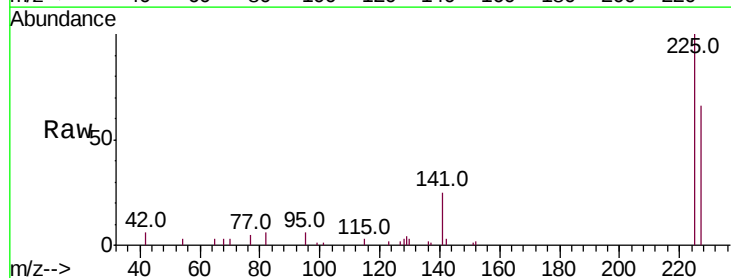
Tgt Ion:225 Resp: 9754

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

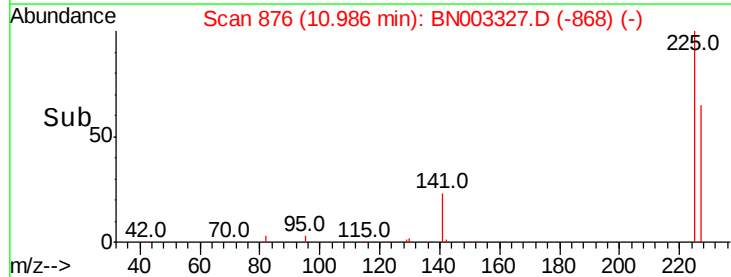
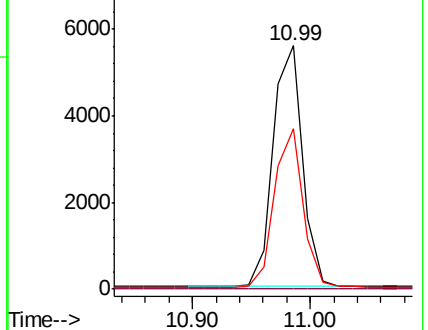
227 63.4 51.3 76.9

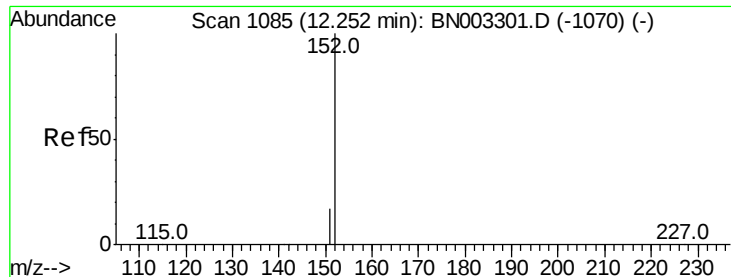


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

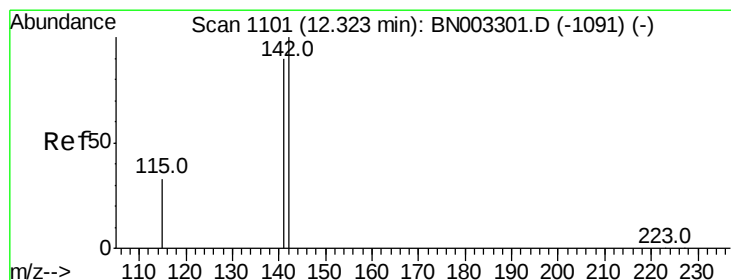
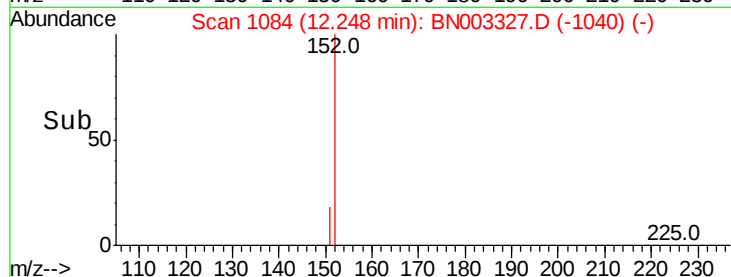
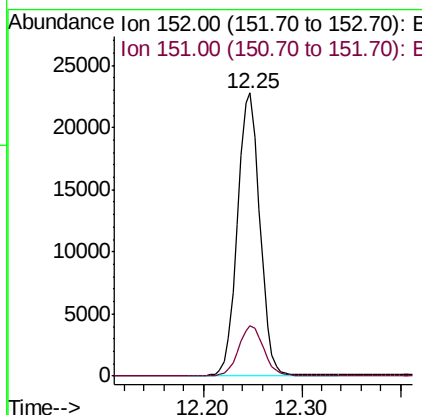
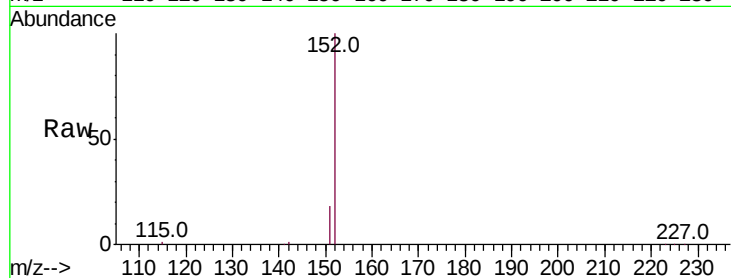




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.370 ng  
 RT: 12.25 min Scan# 1084  
 Delta R.T. -0.00 min  
 Lab File: BN003327.D  
 Acq: 27 Oct 2018 04:21

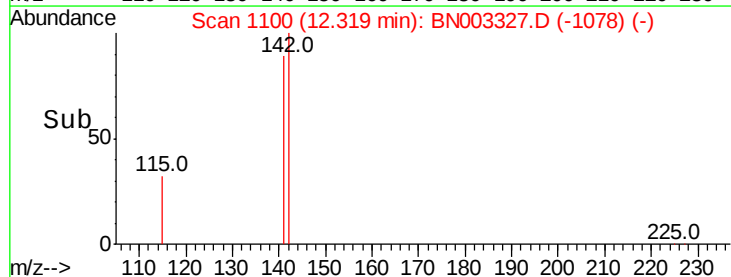
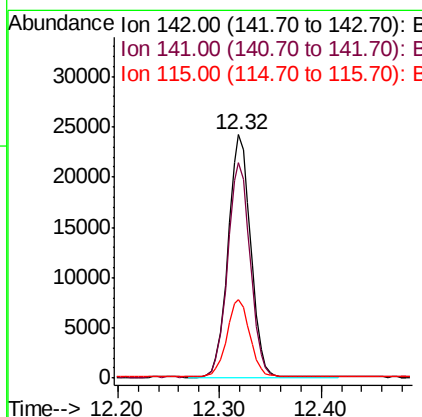
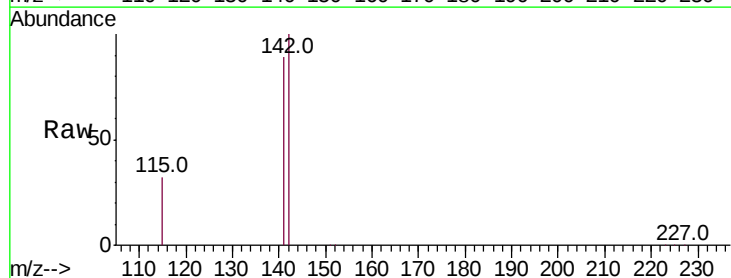
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

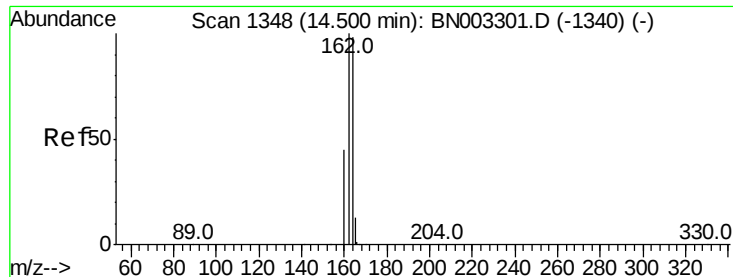
Tot Ion:152 Resp: 35528  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.1 22.7



#12  
 2-Methylnaphthalene  
 Concen: 0.369 ng  
 RT: 12.32 min Scan# 1100  
 Delta R.T. -0.00 min  
 Lab File: BN003327.D  
 Acq: 27 Oct 2018 04:21

Tgt Ion:142 Resp: 37179  
 Ion Ratio Lower Upper  
 142 100  
 141 88.7 71.9 107.9  
 115 32.2 27.0 40.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

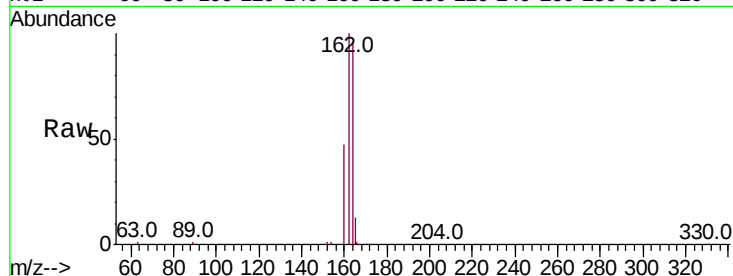
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:164 Resp: 35510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.9 | 81.8  | 122.6 |
| 160 | 48.7  | 37.2  | 55.8  |

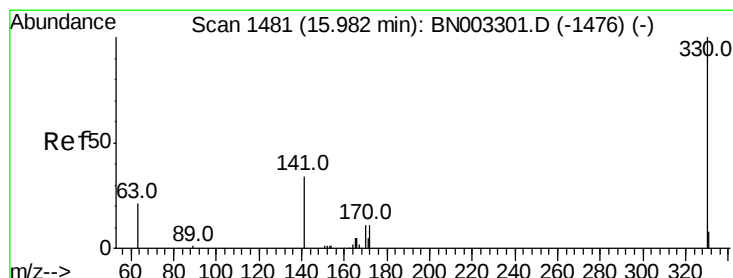
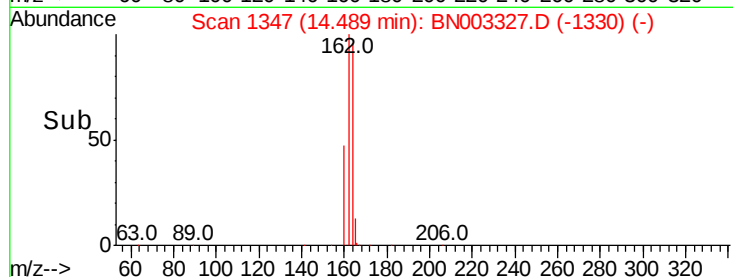
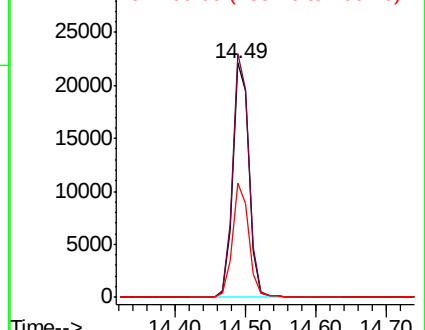


Abundance

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: 15.98 min Scan# 1481

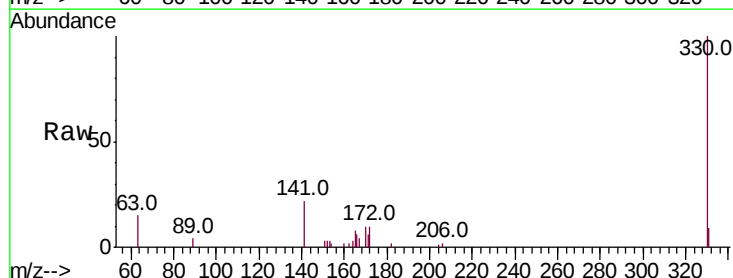
Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Tgt Ion:330 Resp: 5337

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 0.0   | 0.0   | 0.0   |
| 141 | 34.7  | 28.3  | 42.5  |

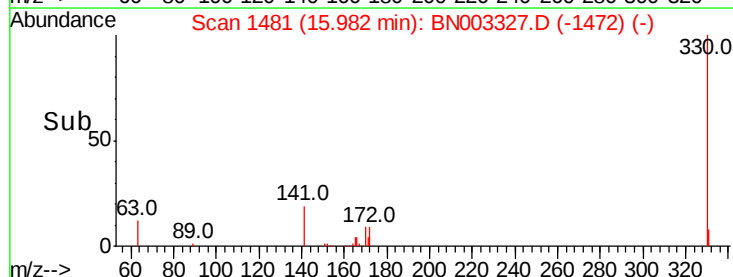
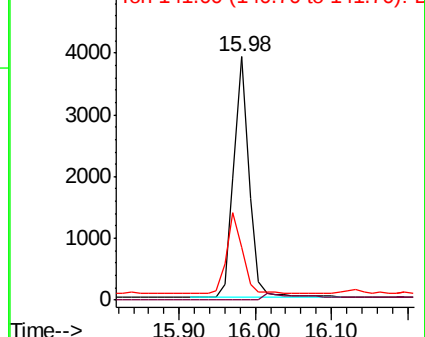


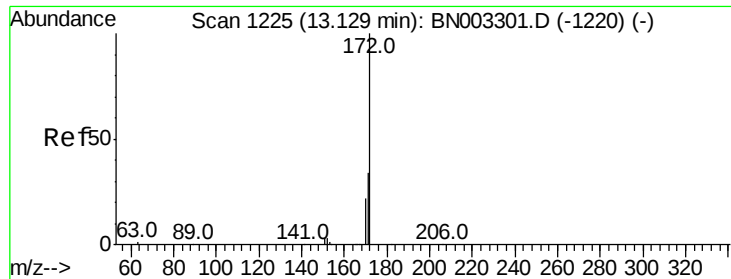
Abundance

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

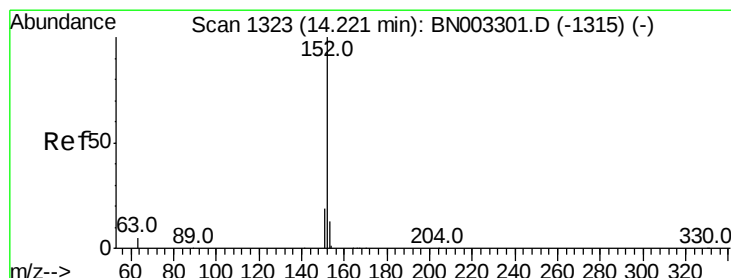
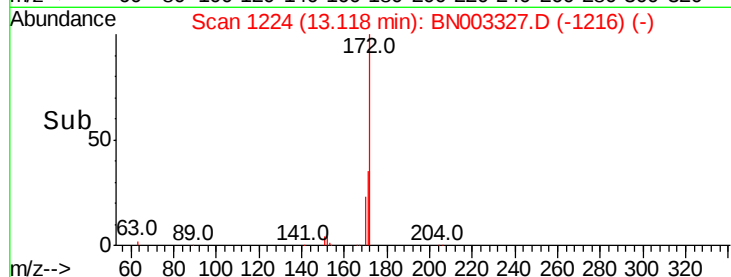
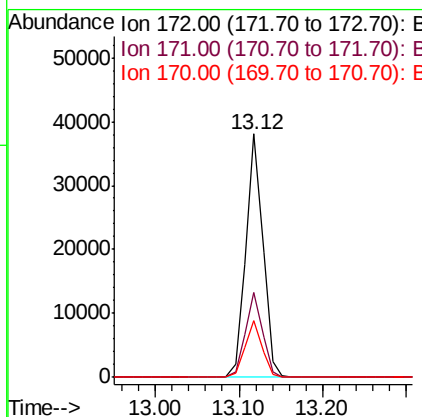
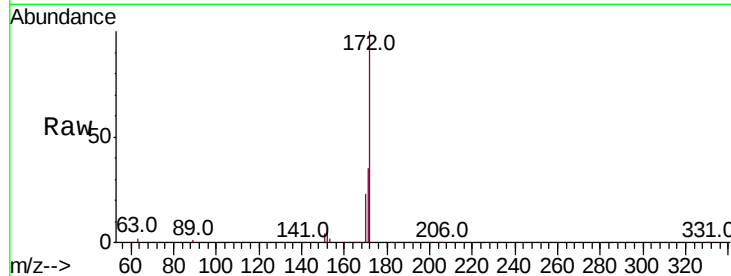




#15  
2-Fluorobiphenyl  
Concen: 0.351 ng  
RT: 13.12 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: BN003327.D  
Acq: 27 Oct 2018 04:21

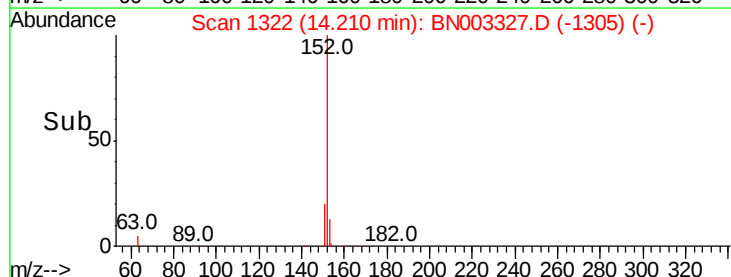
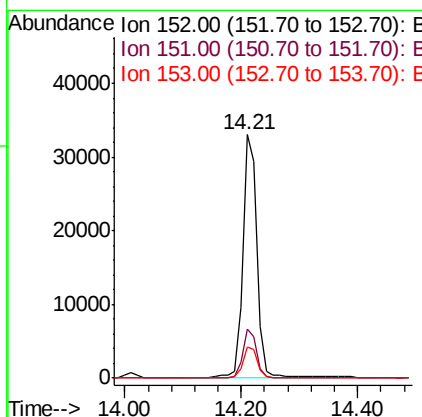
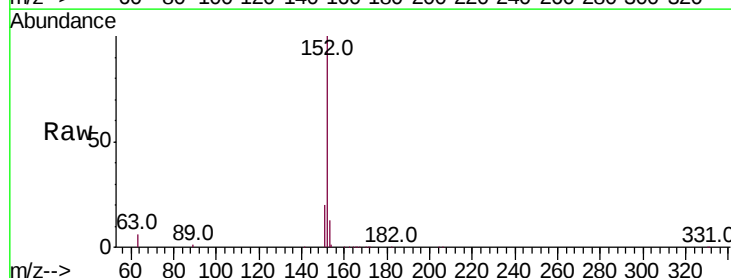
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

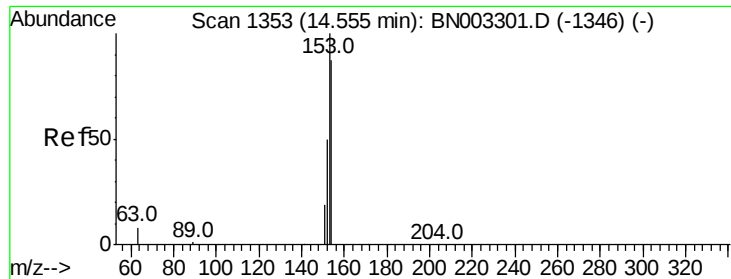
Tot Ion:172 Resp: 53656  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.1 40.7  
170 23.1 17.4 26.0



#16  
Acenaphthylene  
Concen: 0.348 ng  
RT: 14.21 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BN003327.D  
Acq: 27 Oct 2018 04:21

Tgt Ion:152 Resp: 55146  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.359 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

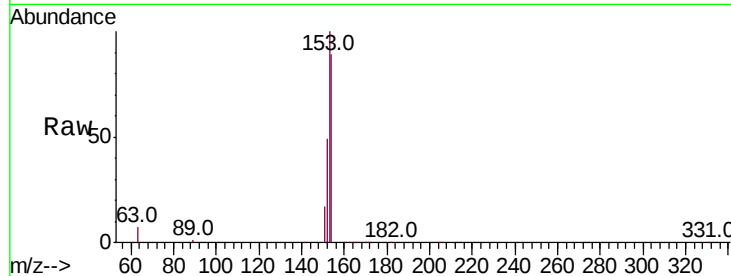
Tot Ion:154 Resp: 39427

Ion Ratio Lower Upper

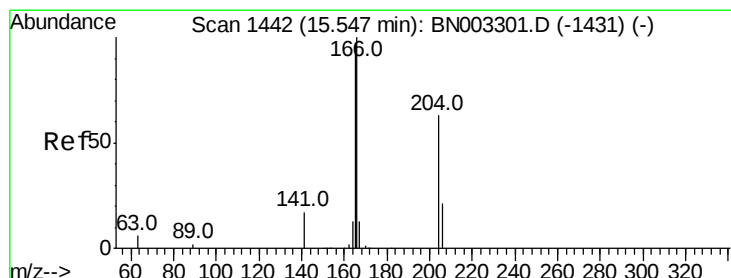
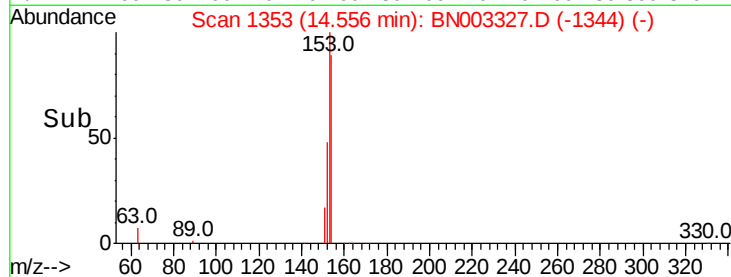
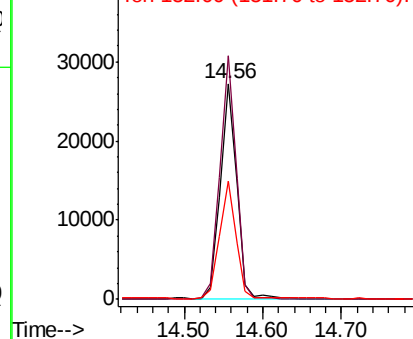
154 100

153 110.7 88.9 133.3

152 53.8 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.354 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

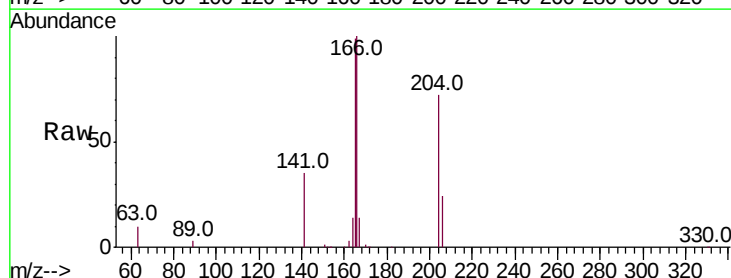
Tgt Ion:166 Resp: 48569

Ion Ratio Lower Upper

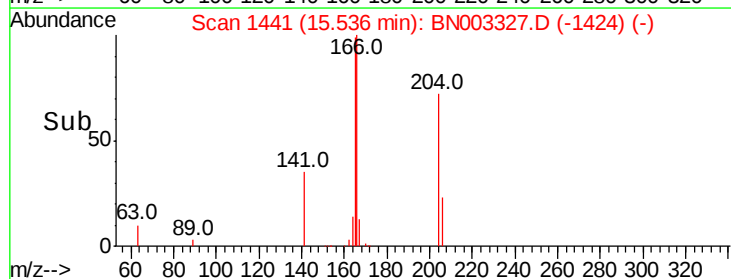
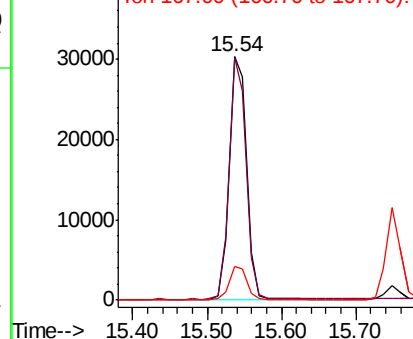
166 100

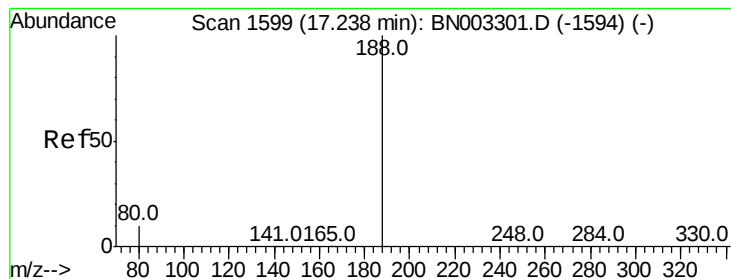
165 97.1 77.8 116.8

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: 17.24 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

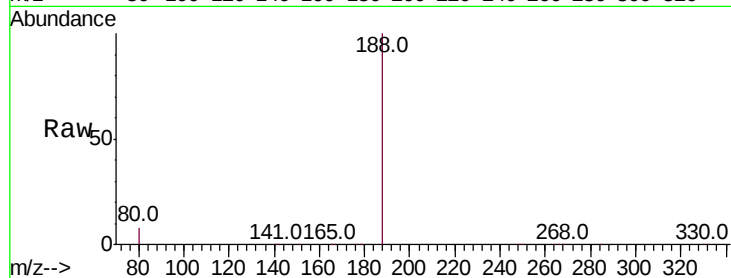
Tot Ion:188 Resp: 88073

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

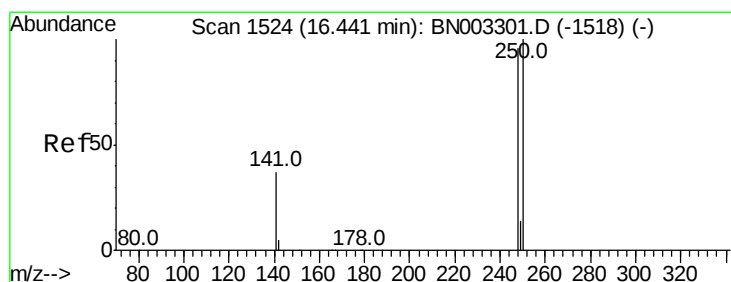
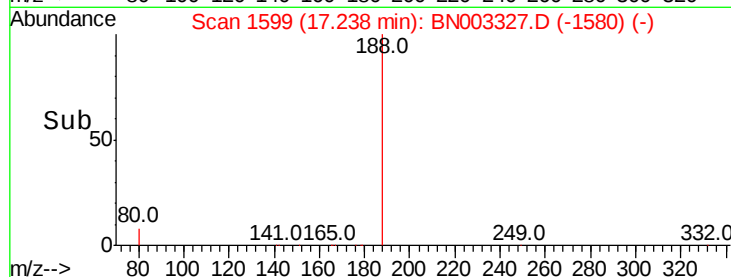
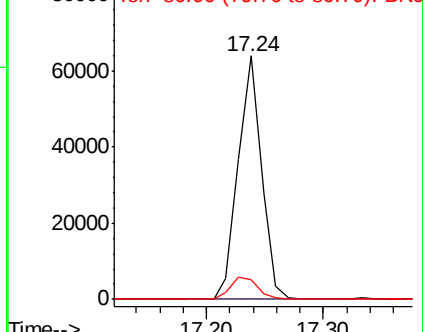
80 8.3 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.353 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

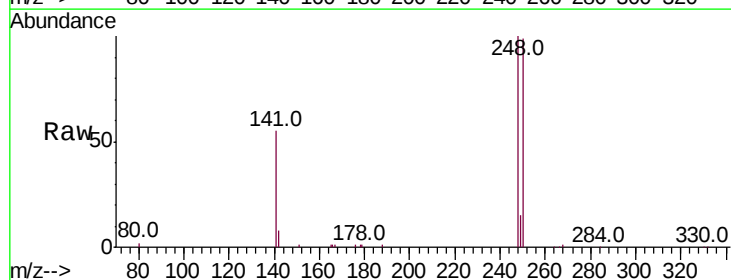
Tgt Ion:248 Resp: 17998

Ion Ratio Lower Upper

248 100

250 99.0 83.7 125.5

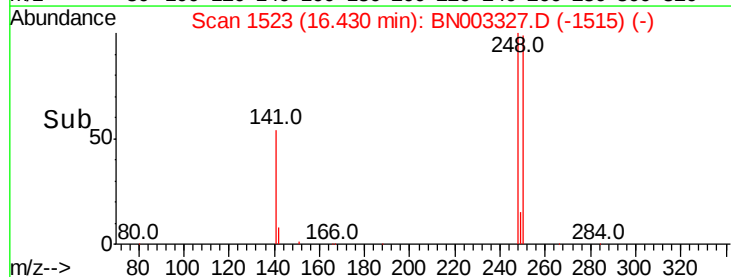
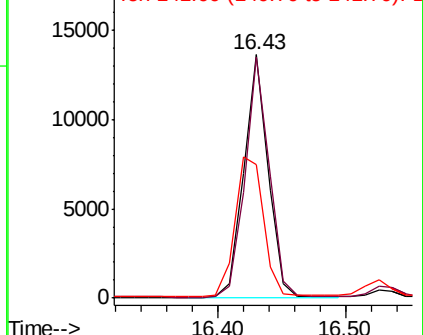
141 55.0 31.4 47.0#

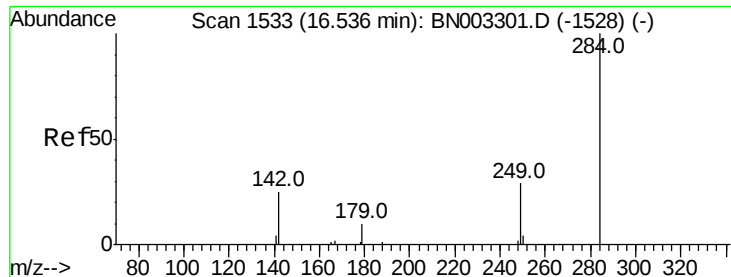


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.352 ng

RT: 16.54 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

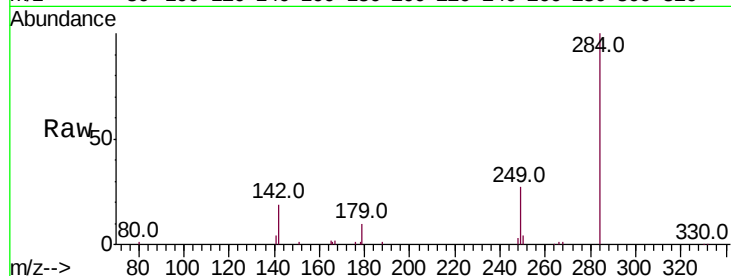
Tot Ion:284 Resp: 18914

Ion Ratio Lower Upper

284 100

142 36.0 29.7 44.5

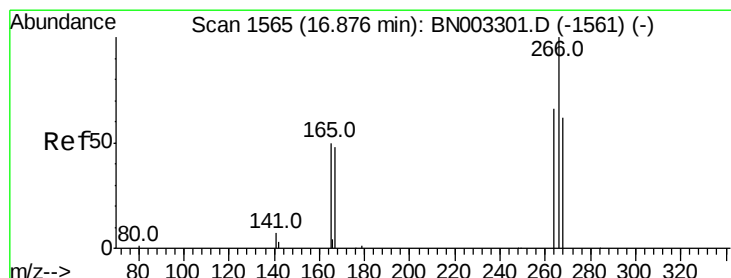
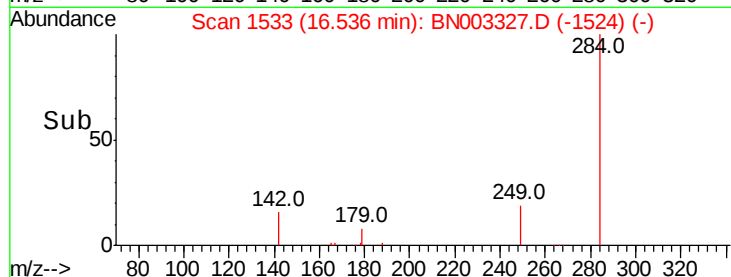
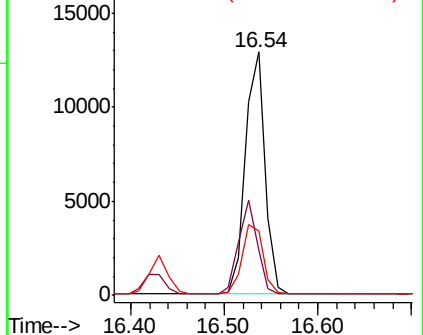
249 30.2 24.0 36.0



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: 0.452 ng

RT: 16.88 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

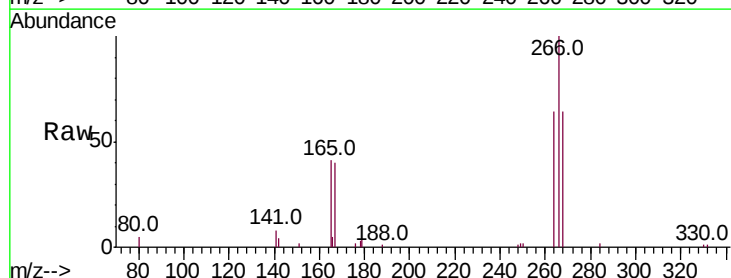
Tgt Ion:266 Resp: 6583

Ion Ratio Lower Upper

266 100

264 64.1 52.1 78.1

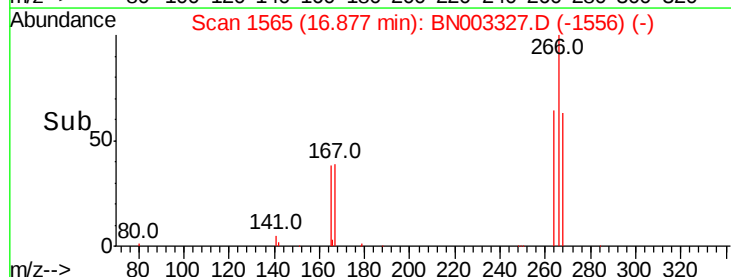
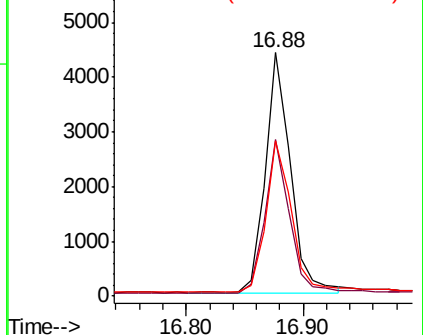
268 63.9 51.8 77.6

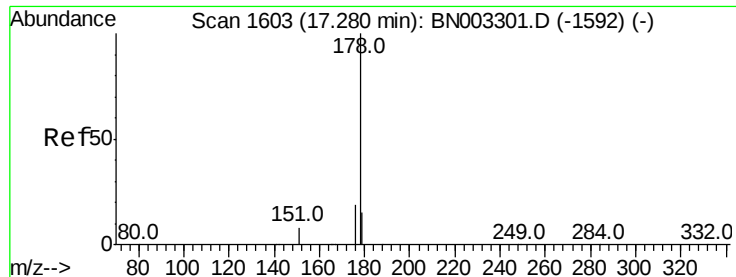


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.353 ng

RT: 17.28 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

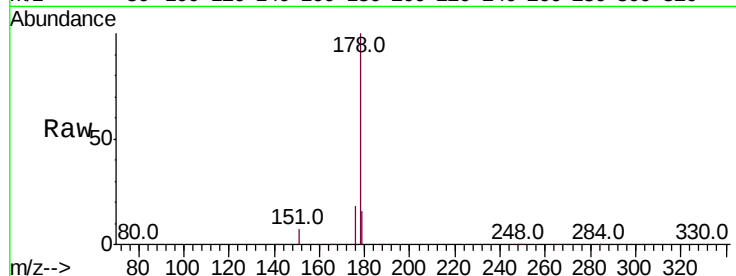
Tot Ion:178 Resp: 85277

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

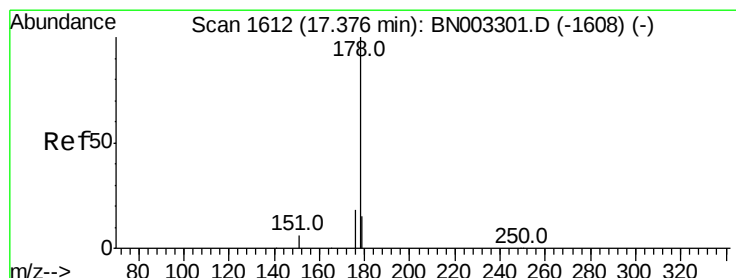
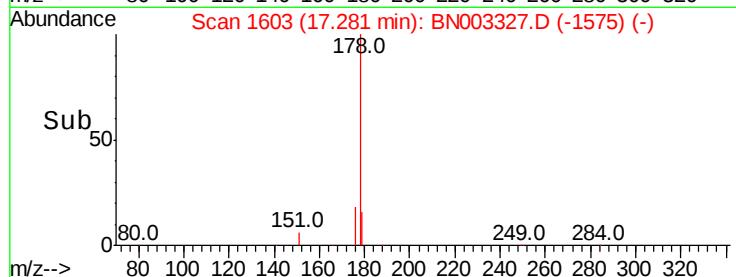
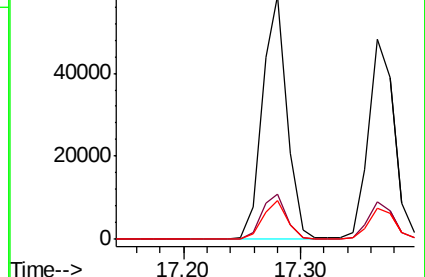
179 15.5 12.4 18.6



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: 0.359 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

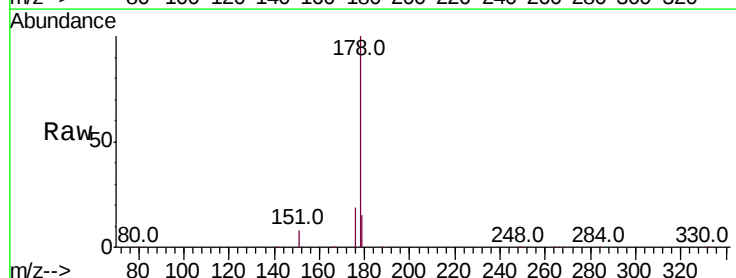
Tgt Ion:178 Resp: 74478

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

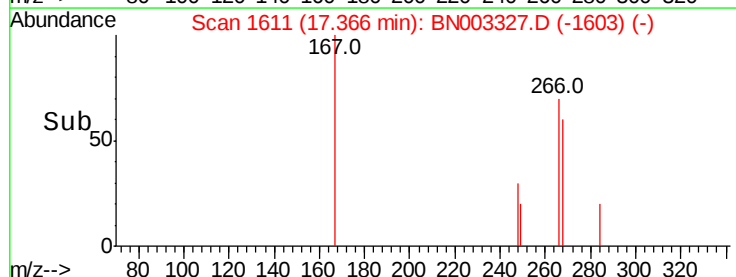
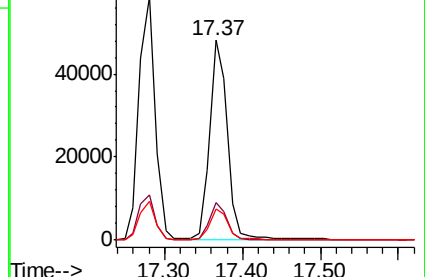
179 15.3 12.2 18.4

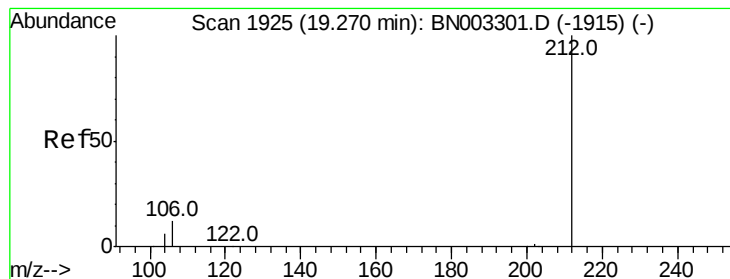


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

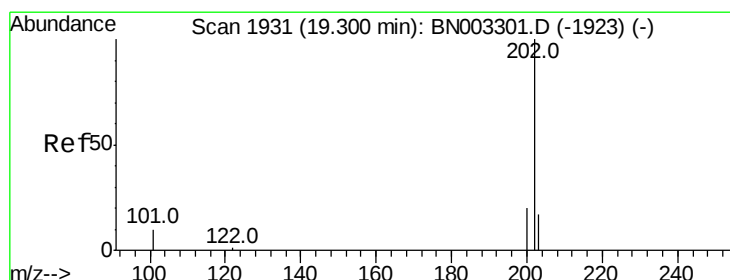
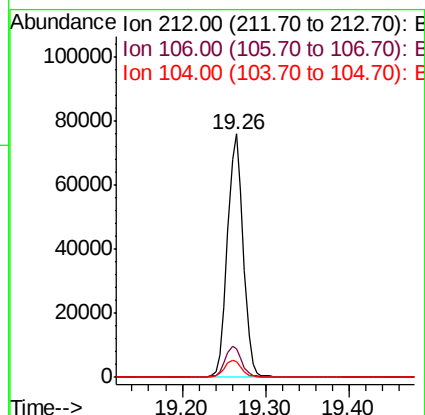
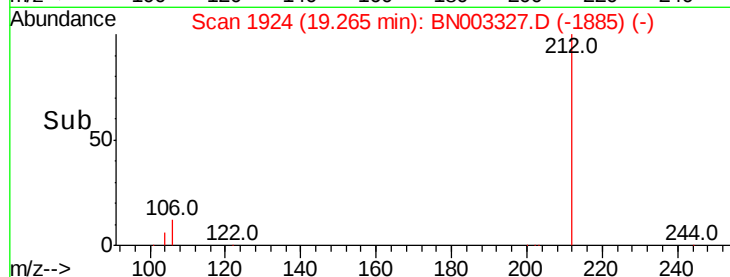
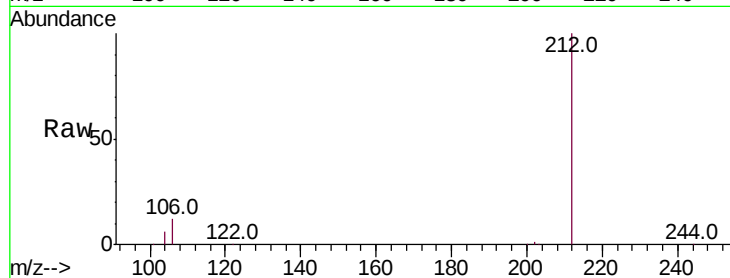
Tot Ion:212 Resp: 99086

Ion Ratio Lower Upper

212 100

106 12.9 10.3 15.5

104 7.1 5.6 8.4



#26

Fluoranthene

Concen: 0.380 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

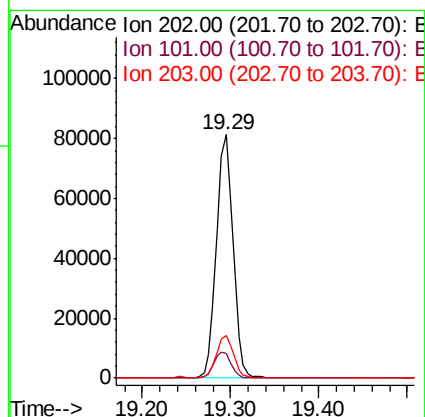
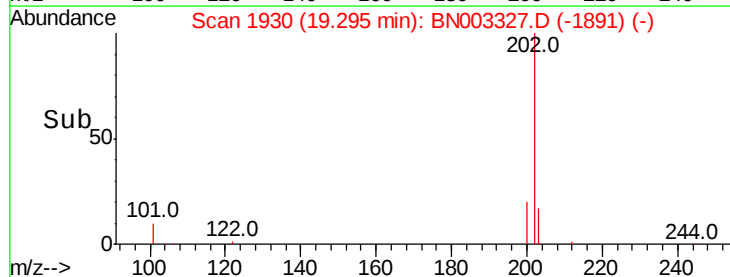
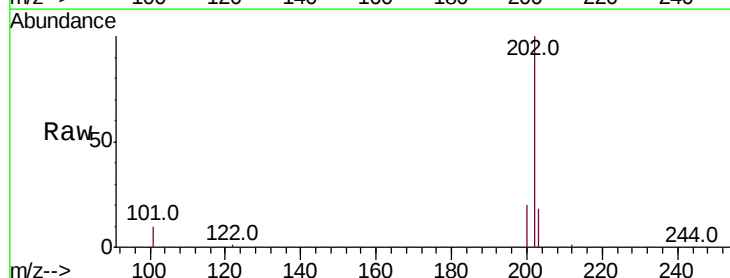
Tgt Ion:202 Resp: 105370

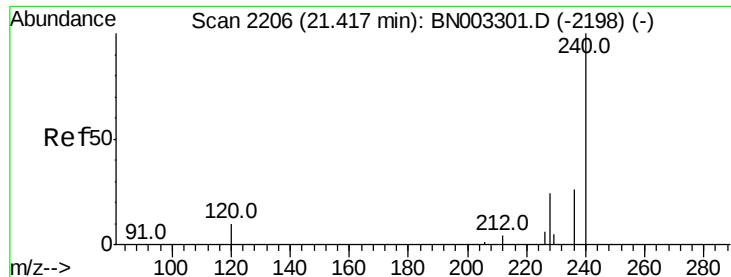
Ion Ratio Lower Upper

202 100

101 11.1 9.0 13.4

203 17.2 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

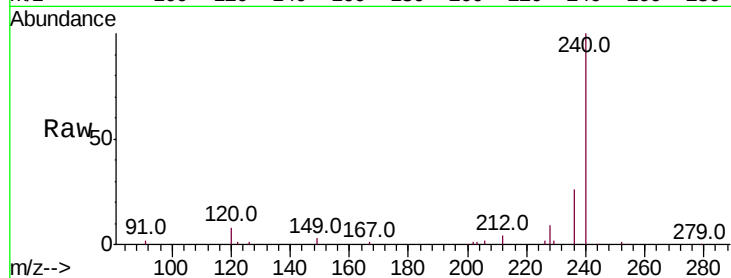
Tot Ion:240 Resp: 113371

Ion Ratio Lower Upper

240 100

120 7.9 9.3 13.9#

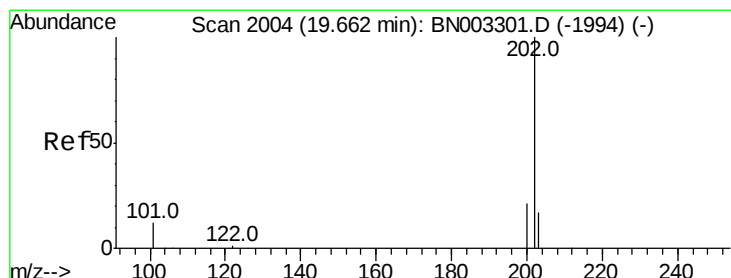
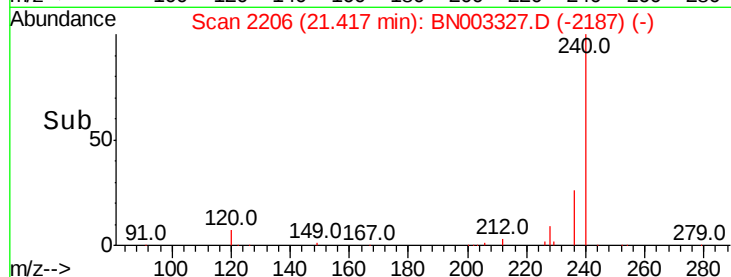
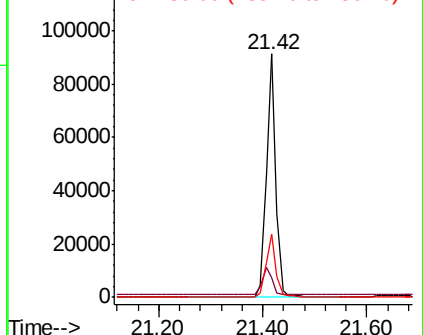
236 25.8 21.0 31.4



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: 0.356 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

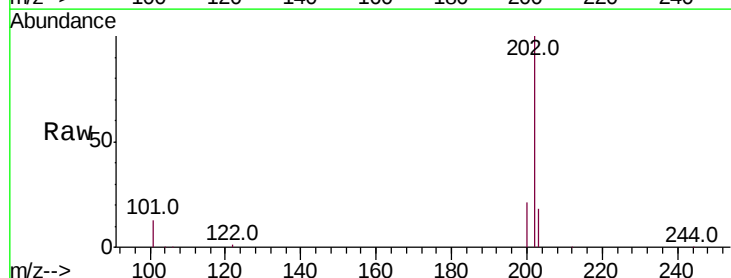
Tgt Ion:202 Resp: 111625

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

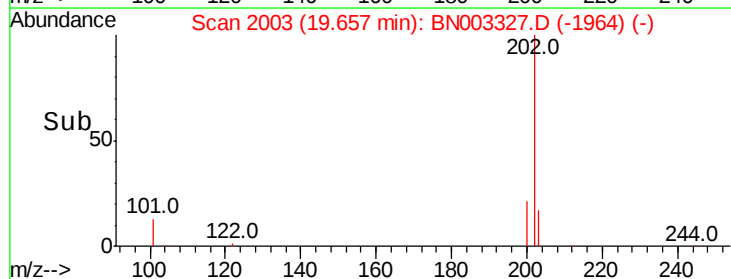
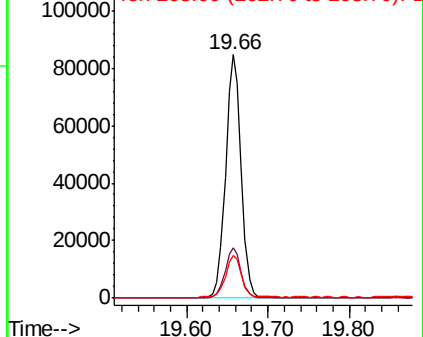
203 17.5 13.9 20.9

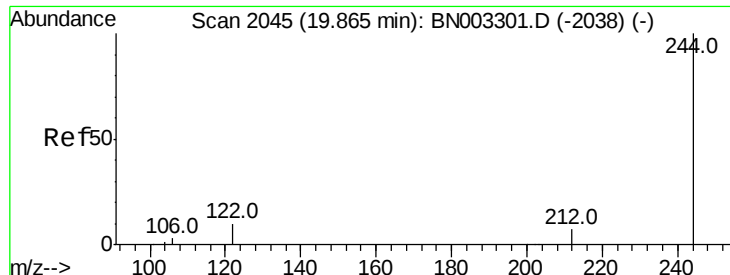


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.339 ng

RT: 19.86 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

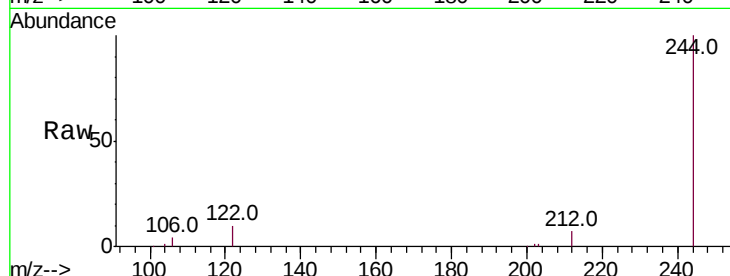
Tot Ion:244 Resp: 89317

Ion Ratio Lower Upper

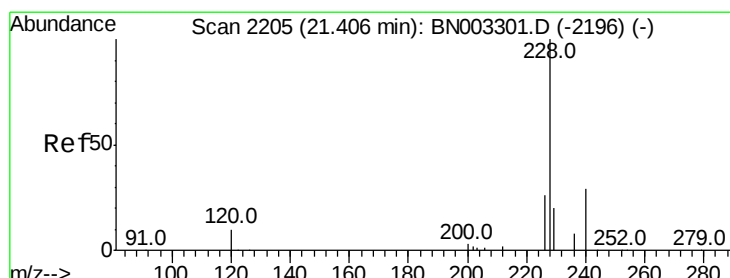
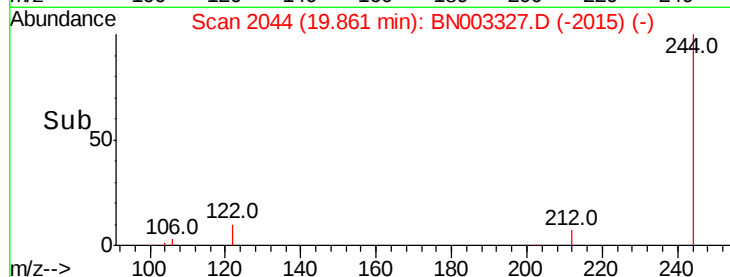
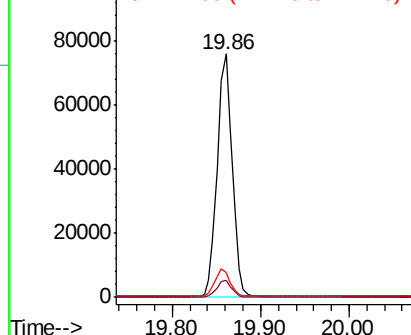
244 100

212 6.8 5.6 8.4

122 10.1 8.5 12.7



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: 0.392 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

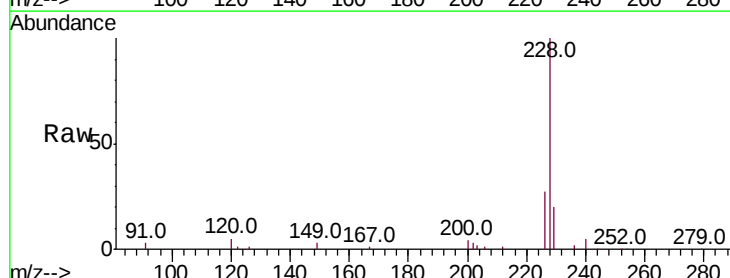
Tgt Ion:228 Resp: 116401

Ion Ratio Lower Upper

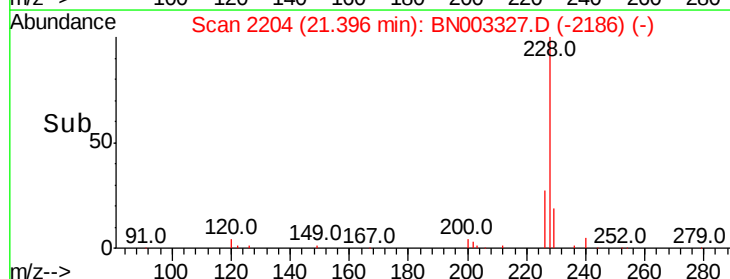
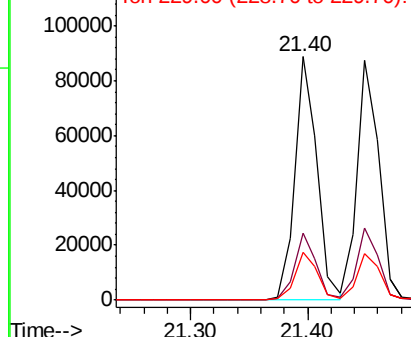
228 100

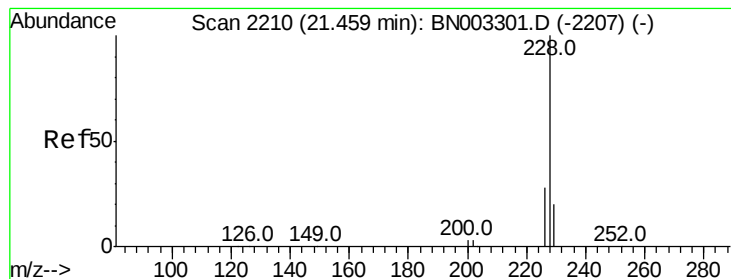
226 27.3 20.8 31.2

229 19.6 16.1 24.1



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: 0.355 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

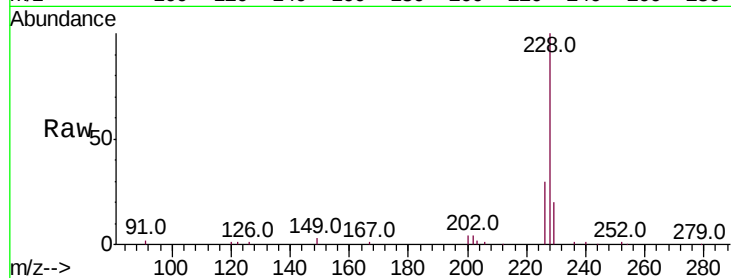
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 113665

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 22.7  | 34.1  |
| 229 | 19.6  | 16.0  | 24.0  |



Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

120000

100000

80000

60000

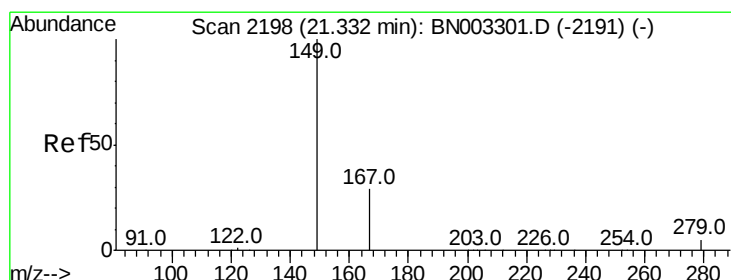
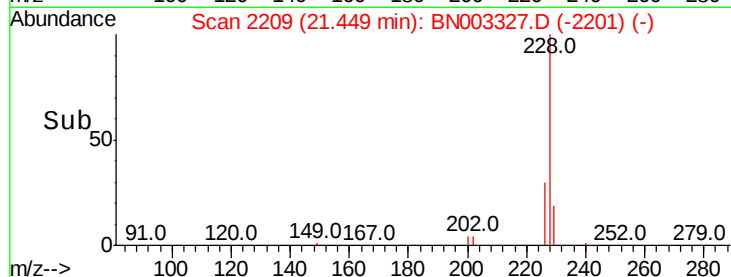
40000

20000

0

21.45

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.579 ng

RT: 21.32 min Scan# 2197

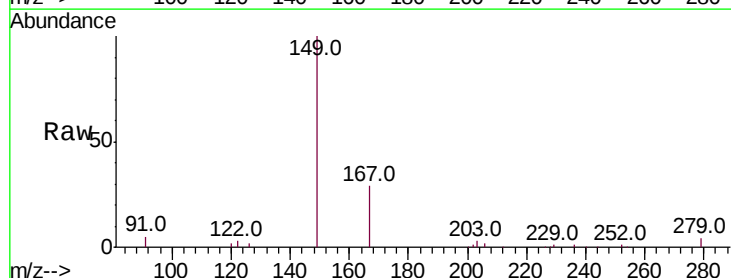
Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Tgt Ion:149 Resp: 50892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.9  | 22.4  | 33.6  |
| 279 | 5.1   | 3.9   | 5.9   |



Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

60000

50000

40000

30000

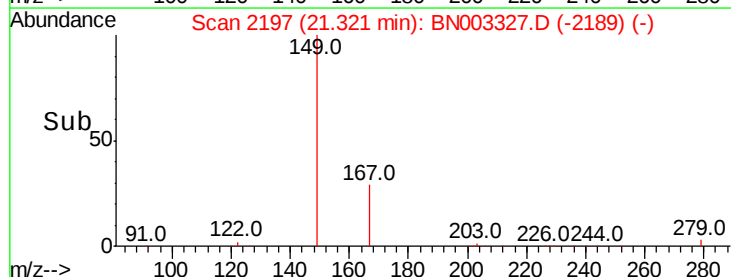
20000

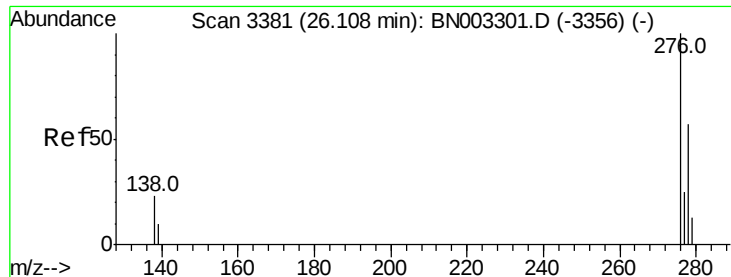
10000

0

21.32

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.373 ng

RT: 26.10 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

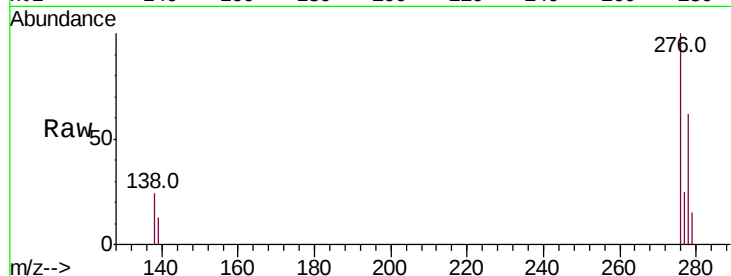
Tot Ion:276 Resp: 123700

Ion Ratio Lower Upper

276 100

138 24.8 20.6 30.8

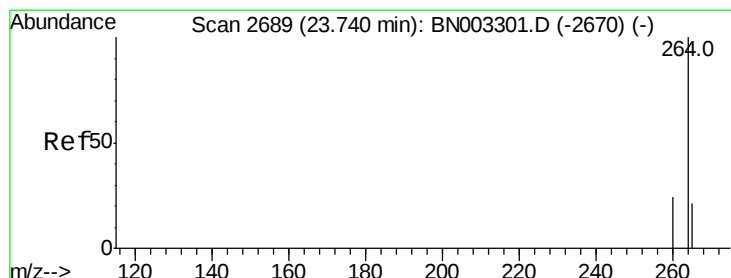
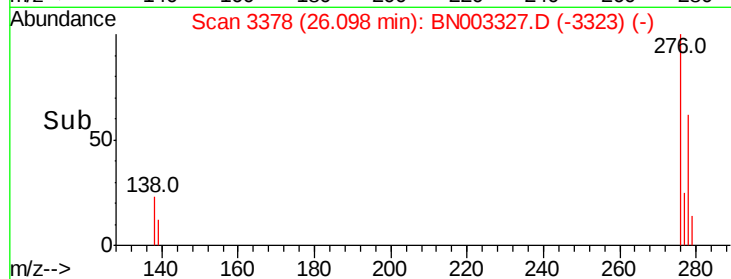
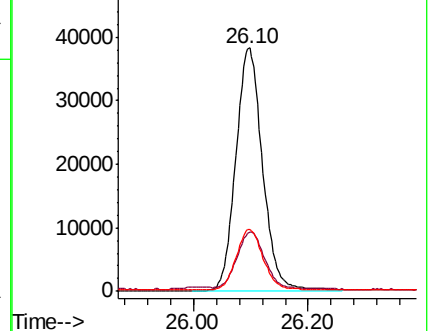
277 25.0 20.0 30.0



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: 23.73 min Scan# 2687

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

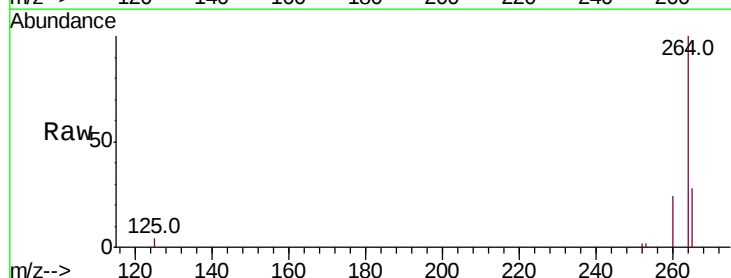
Tgt Ion:264 Resp: 114327

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

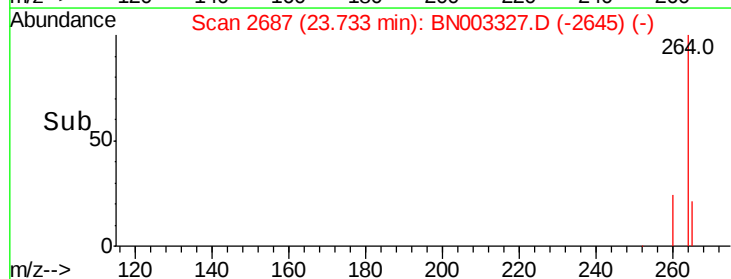
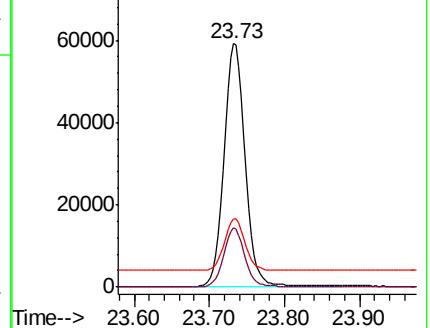
265 27.9 26.4 39.6

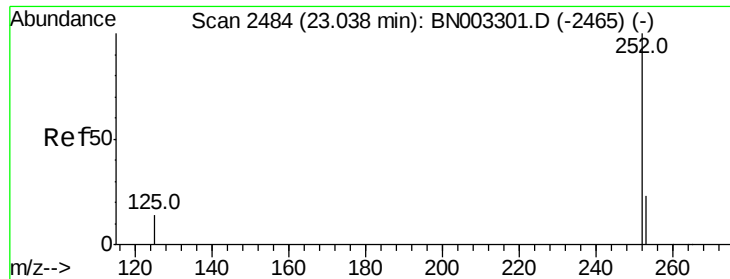


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.339 ng

RT: 23.03 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

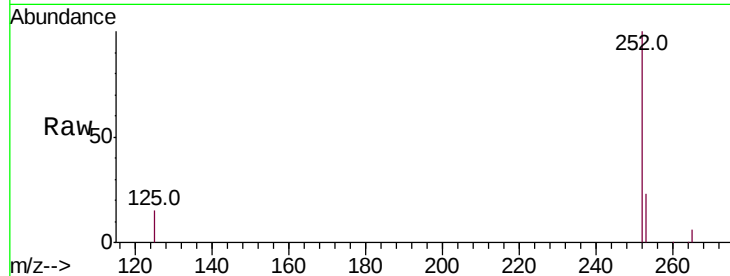
Tot Ion:252 Resp: 119502

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

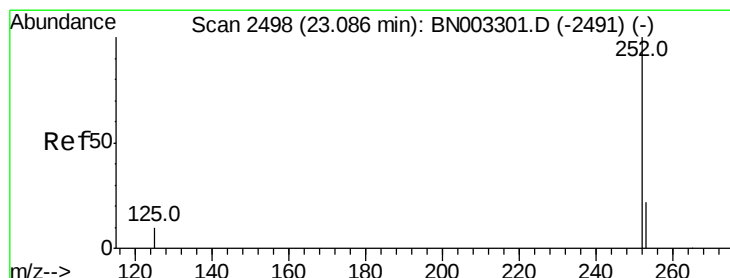
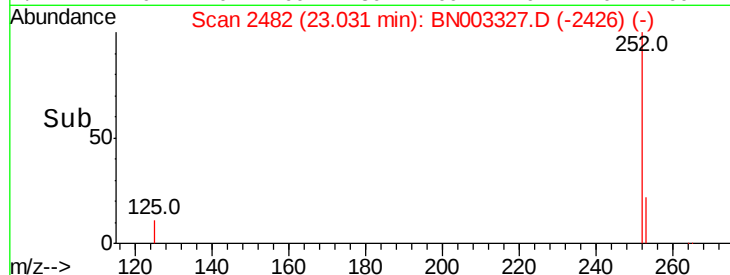
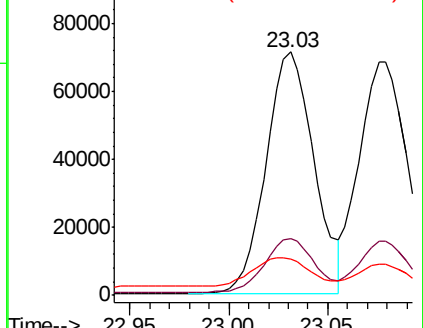
125 14.9 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.334 ng

RT: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

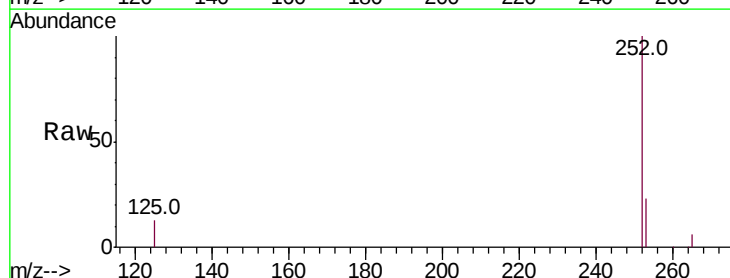
Tgt Ion:252 Resp: 118141

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

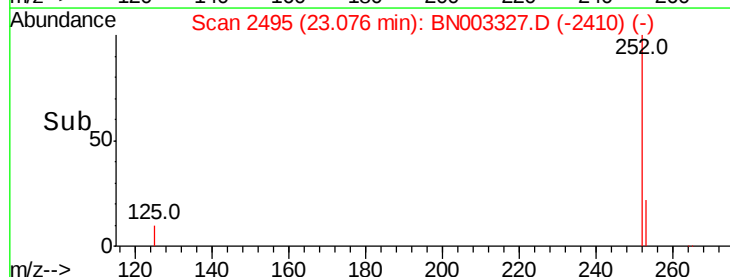
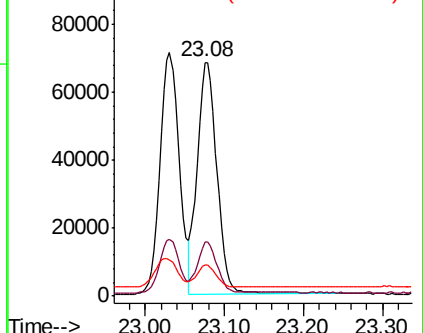
125 13.4 9.1 13.7

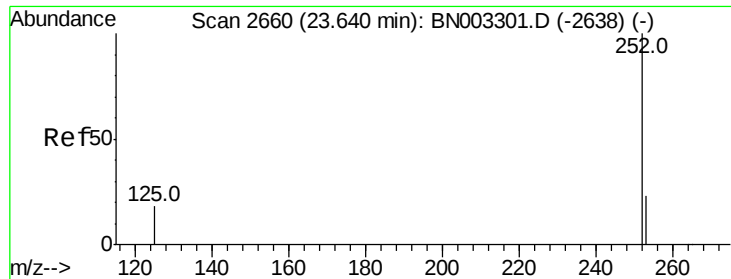


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.346 ng

RT: 23.63 min Scan# 2658

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

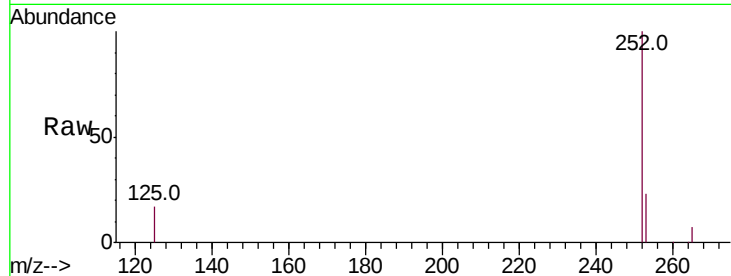
Tot Ion:252 Resp: 112170

Ion Ratio Lower Upper

252 100

253 23.5 20.1 30.1

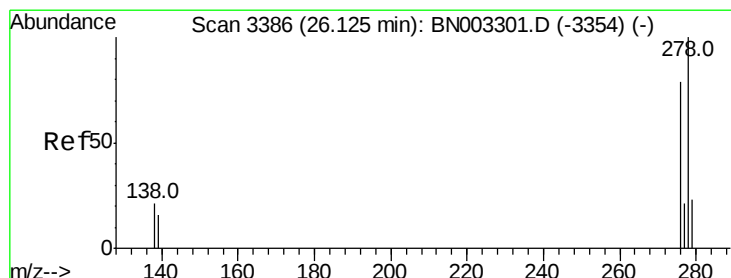
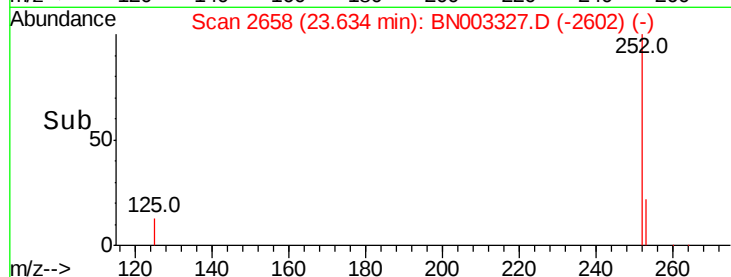
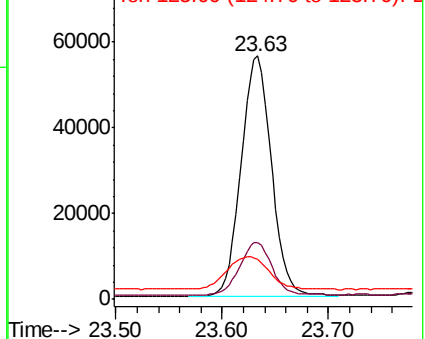
125 16.5 16.0 24.0



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: 0.339 ng

RT: 26.11 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

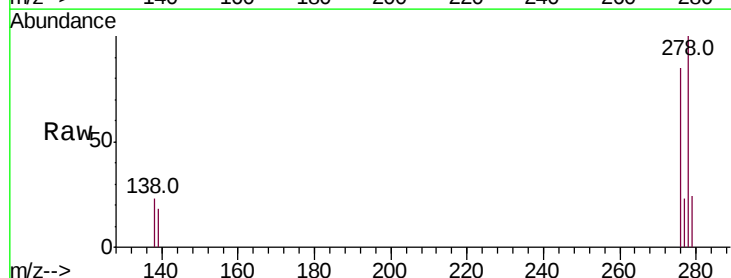
Tgt Ion:278 Resp: 102590

Ion Ratio Lower Upper

278 100

139 18.3 13.5 20.3

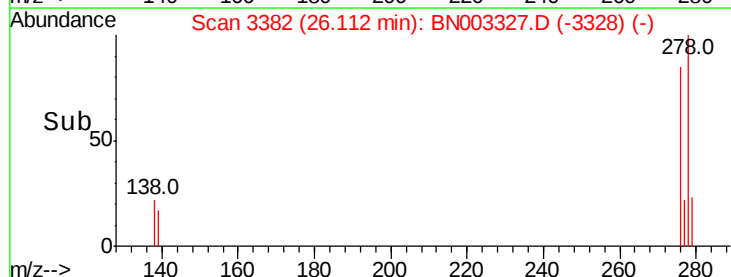
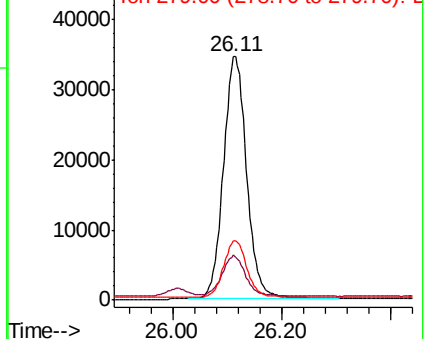
279 24.4 19.8 29.6

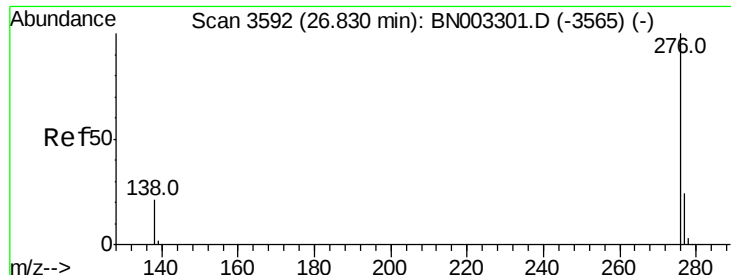


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.336 ng

RT: 26.82 min Scan# 3590

Delta R.T. -0.01 min

Lab File: BN003327.D

Acq: 27 Oct 2018 04:21

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

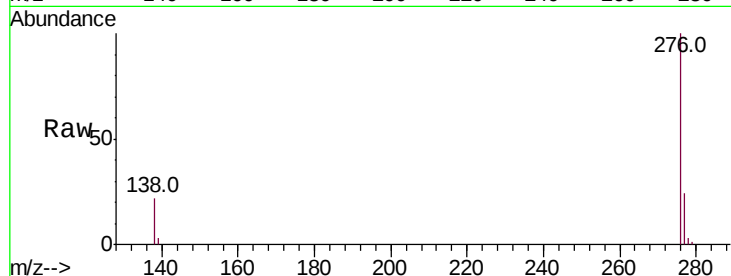
Tot Ion:276 Resp: 101550

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 21.7 17.4 26.2



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

