

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN032720\  
 Data File : BN010356.D  
 Acq On : 27 Mar 2020 17:45  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Mar 27 18:20:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 19 15:26:45 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 6292     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.37 | 136  | 21690    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.23 | 164  | 12776    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 16.98 | 188  | 29840    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 29870    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.35 | 264  | 30528    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.25  | 112 | 5093  | 0.41 | ng | 0.00 |
| 5) Phenol-d6                | 6.80  | 99  | 6396  | 0.41 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.75  | 82  | 5714  | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 15572 | 0.45 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.72 | 330 | 1779  | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 20024 | 0.41 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 38834 | 0.43 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.63 | 244 | 27148 | 0.42 | ng | 0.00 |

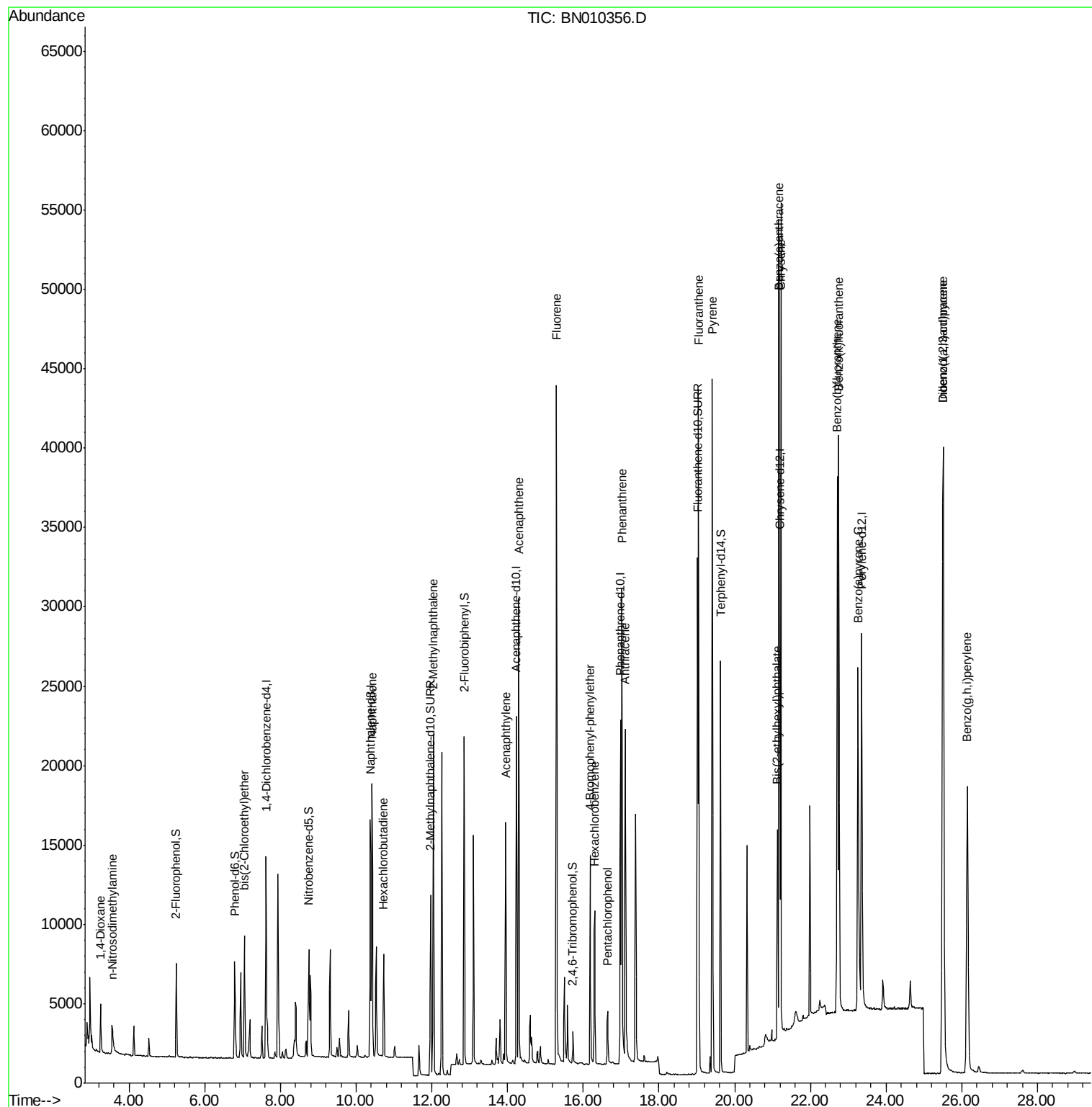
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.25  | 88  | 2294  | 0.388  | ng | # 82 |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 1335  | 0.267  | ng | # 49 |
| 6) bis(2-Chloroethyl)ether     | 7.05  | 93  | 6154  | 0.414  | ng | 92   |
| 9) Naphthalene                 | 10.42 | 128 | 22083 | 0.408  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.72 | 225 | 5562  | 0.424  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.04 | 142 | 15115 | 0.403  | ng | 100  |
| 16) Acenaphthylene             | 13.95 | 152 | 17962 | 0.358  | ng | 100  |
| 17) Acenaphthene               | 14.30 | 154 | 14337 | 0.401  | ng | 98   |
| 18) Fluorene                   | 15.29 | 166 | 18471 | 0.389  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.18 | 248 | 6748  | 0.373  | ng | 95   |
| 21) Hexachlorobenzene          | 16.30 | 284 | 7792  | 0.419  | ng | 98   |
| 22) Pentachlorophenol          | 16.64 | 266 | 2023  | 0.318  | ng | 95   |
| 23) Phenanthrene               | 17.02 | 178 | 32321 | 0.394  | ng | 100  |
| 24) Anthracene                 | 17.11 | 178 | 25775 | 0.368  | ng | 100  |
| 26) Fluoranthene               | 19.05 | 202 | 39115 | 0.389  | ng | 100  |
| 28) Pyrene                     | 19.41 | 202 | 40877 | 0.440  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.17 | 228 | 36876 | 0.388  | ng | 99   |
| 31) Chrysene                   | 21.22 | 228 | 41890 | 0.411  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 10977 | 0.342  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 50230 | 0.460  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 22.71 | 252 | 40429 | 0.390  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.75 | 252 | 44871 | 0.425  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.26 | 252 | 34283 | 0.392  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 25.51 | 278 | 40600 | 0.429  | ng | 100  |
| 39) Benzo(g,h,i)perylene       | 26.15 | 276 | 38733 | 0.407  | ng | 99   |

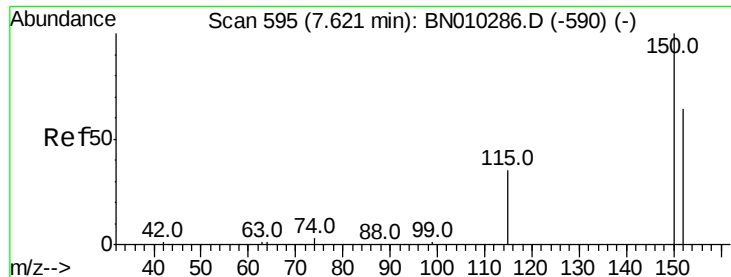
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN032720\  
Data File : BN010356.D  
Acq On : 27 Mar 2020 17:45  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Quant Time: Mar 27 18:20:34 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 19 15:26:45 2020  
Response via : Initial Calibration



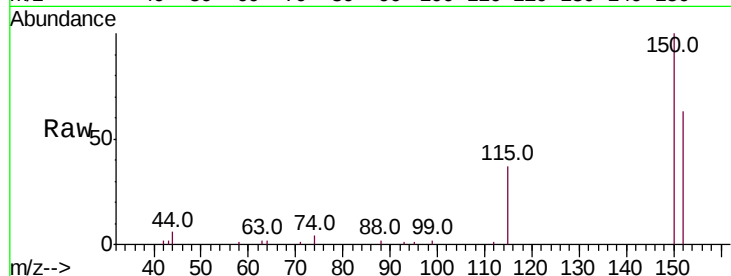


#1

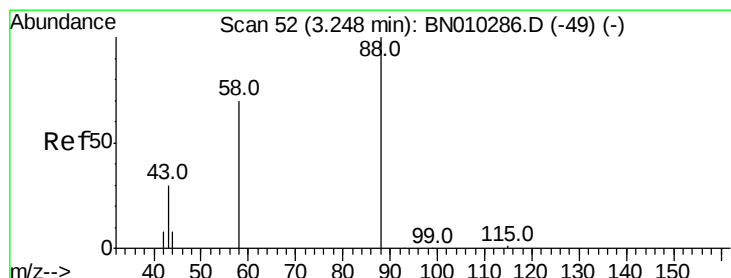
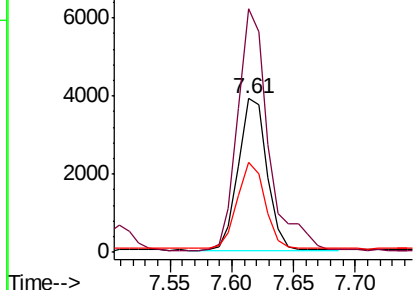
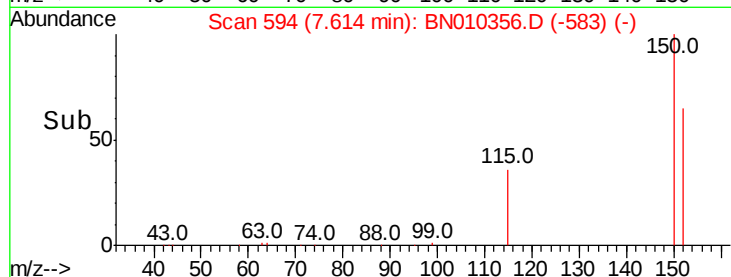
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.61 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 6292  
Ion Ratio Lower Upper  
152 100  
150 158.2 123.1 184.7  
115 58.1 45.2 67.8



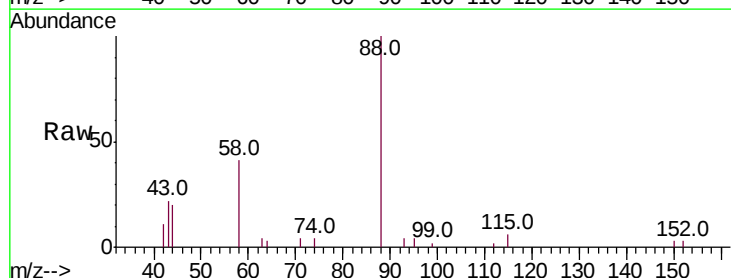
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



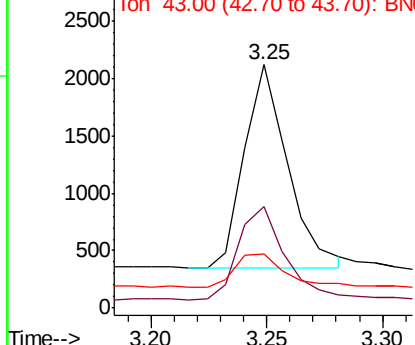
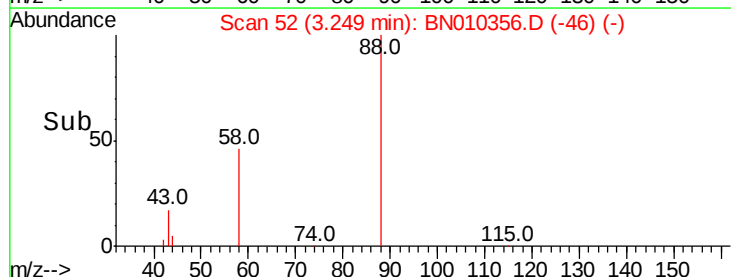
#2

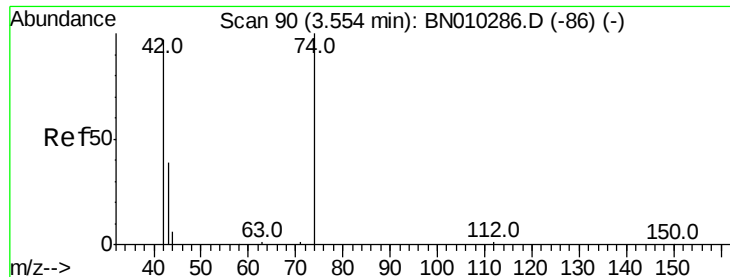
1,4-Dioxane  
Concen: 0.388 ng  
RT: 3.25 min Scan# 52  
Delta R.T. 0.00 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

Tgt Ion: 88 Resp: 2294  
Ion Ratio Lower Upper  
88 100  
58 49.0 51.7 77.5#  
43 18.8 21.2 31.8#



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: 0.267 ng

RT: 3.55 min Scan# 90

Delta R.T. 0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

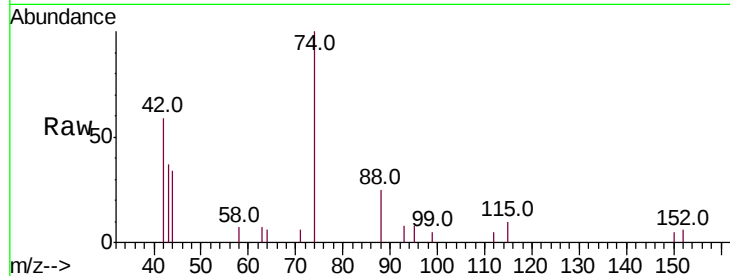
Tot Ion: 42 Resp: 1335

Ion Ratio Lower Upper

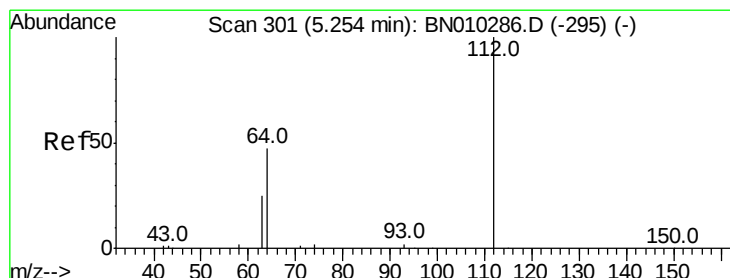
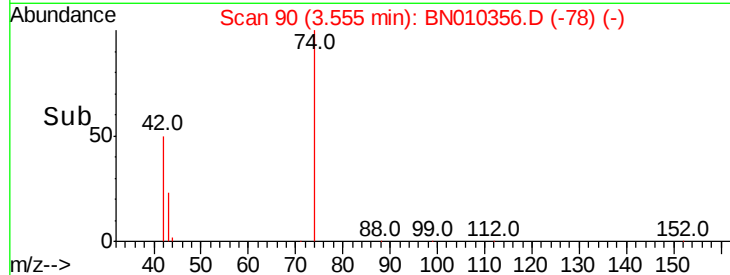
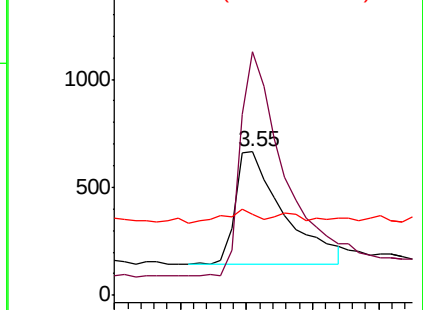
42 100

74 184.2 99.4 149.0#

44 7.6 4.8 7.2#



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



#4

2-Fluorophenol

Concen: 0.409 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

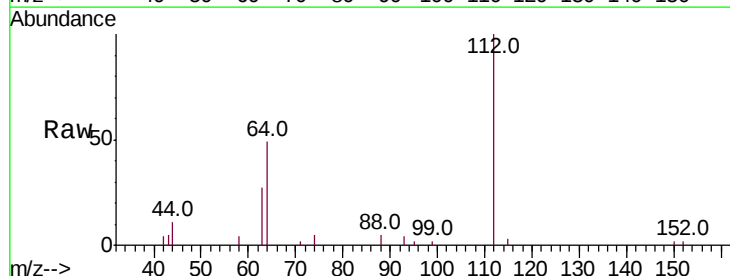
Tgt Ion: 112 Resp: 5093

Ion Ratio Lower Upper

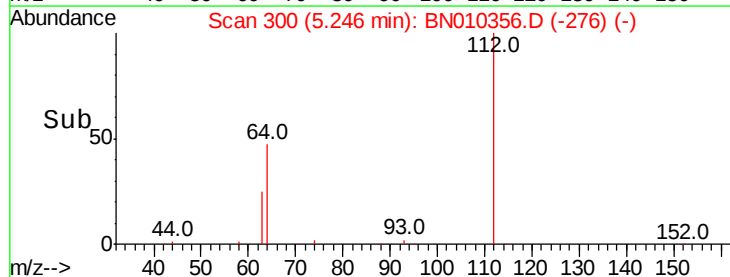
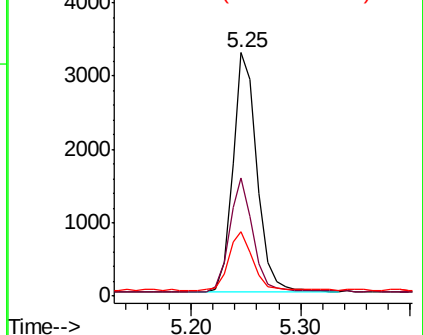
112 100

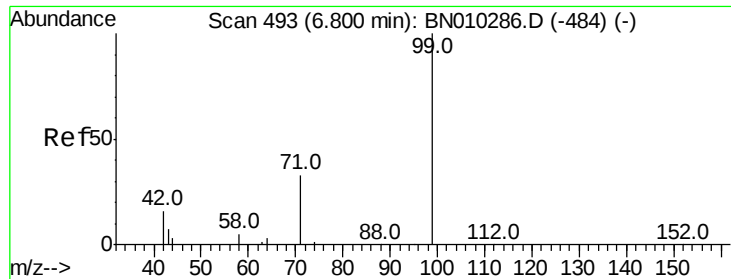
64 46.1 41.4 62.2

63 25.0 22.9 34.3



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





#5

Phenol-d6

Concen: 0.413 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

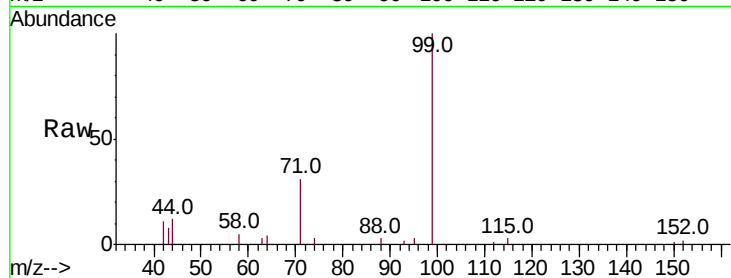
Tot Ion: 99 Resp: 6396

Ion Ratio Lower Upper

99 100

42 12.8 14.8 22.2#

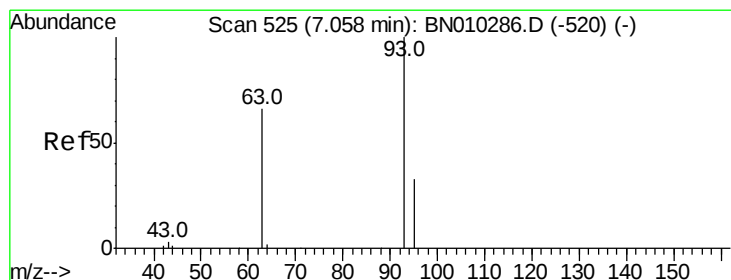
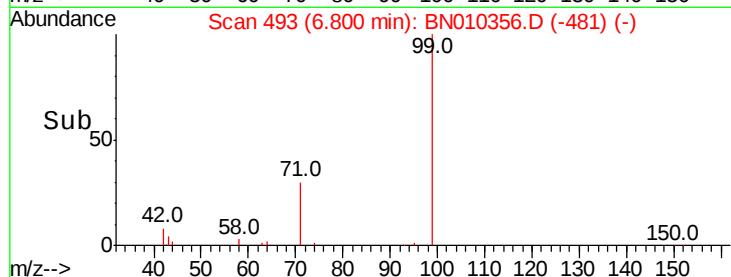
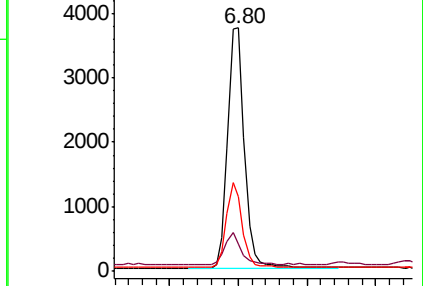
71 32.9 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010356.D (-500) (-)

Ion 42.00 (41.70 to 42.70): BN010356.D (-500) (-)

Ion 71.00 (70.70 to 71.70): BN010356.D (-500) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.414 ng

RT: 7.05 min Scan# 524

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

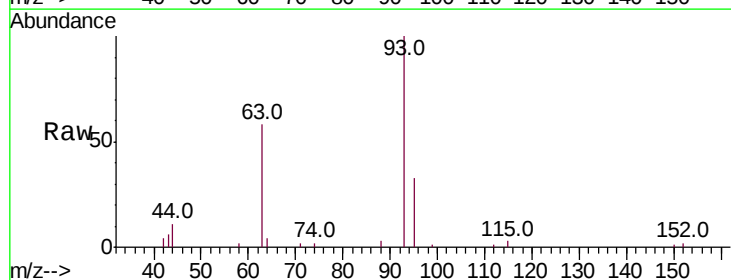
Tgt Ion: 93 Resp: 6154

Ion Ratio Lower Upper

93 100

63 59.9 55.6 83.4

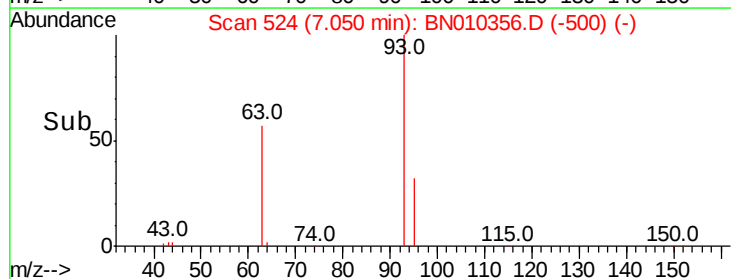
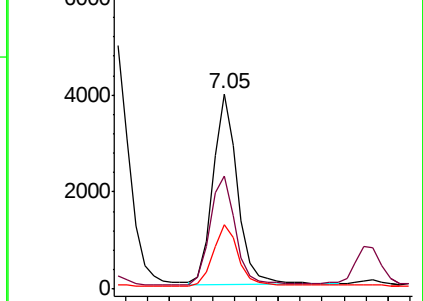
95 33.2 26.2 39.4

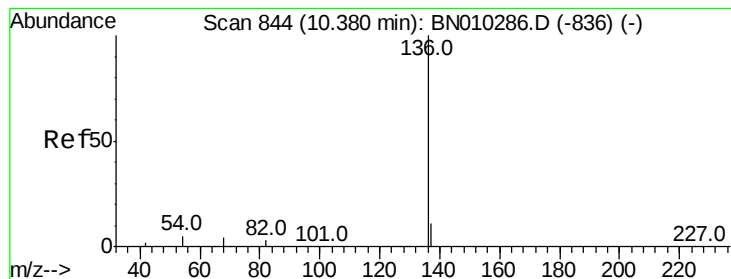


Abundance Ion 93.00 (92.70 to 93.70): BN010356.D (-500) (-)

Ion 63.00 (62.70 to 63.70): BN010356.D (-500) (-)

Ion 95.00 (94.70 to 95.70): BN010356.D (-500) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 21690

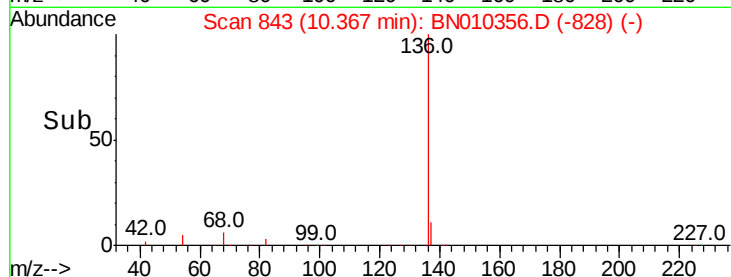
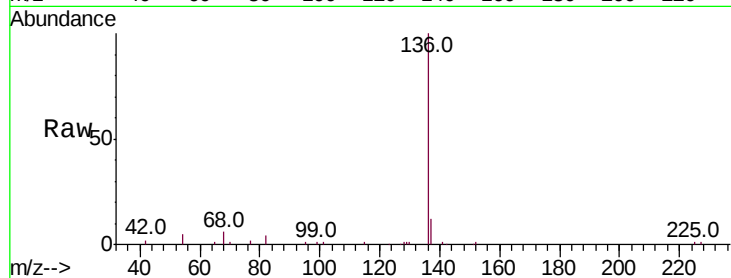
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 5.3 4.8 7.2

68 6.4 4.1 6.1#

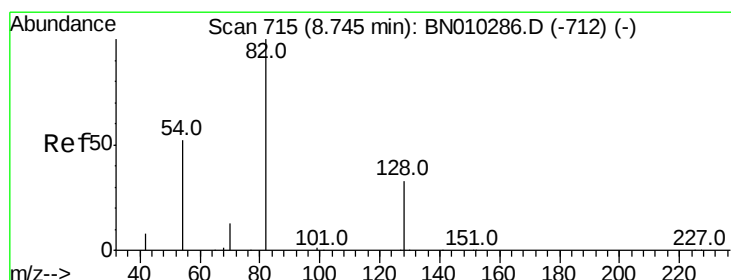
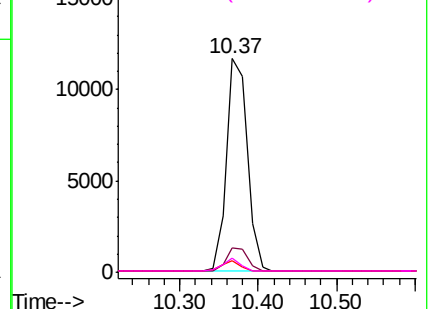


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.411 ng

RT: 8.75 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

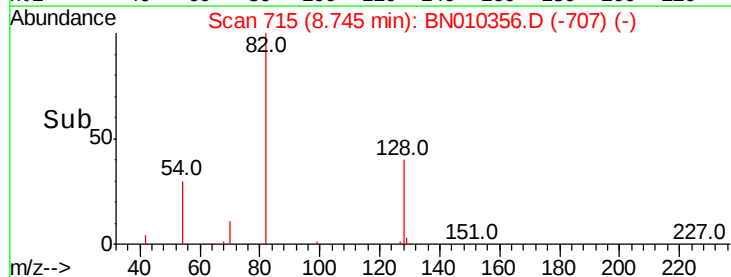
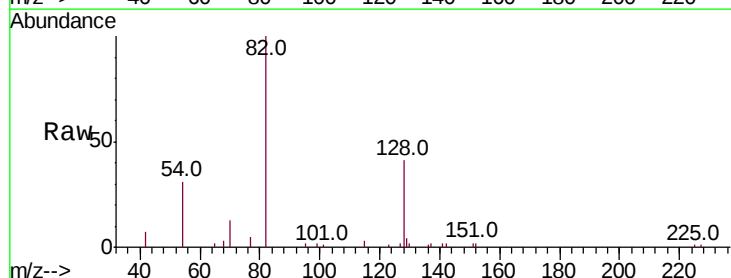
Tgt Ion: 82 Resp: 5714

Ion Ratio Lower Upper

82 100

128 41.3 28.8 43.2

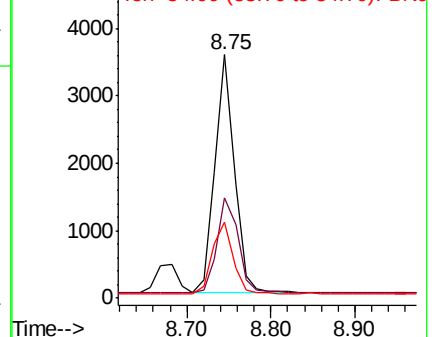
54 31.3 42.1 63.1#

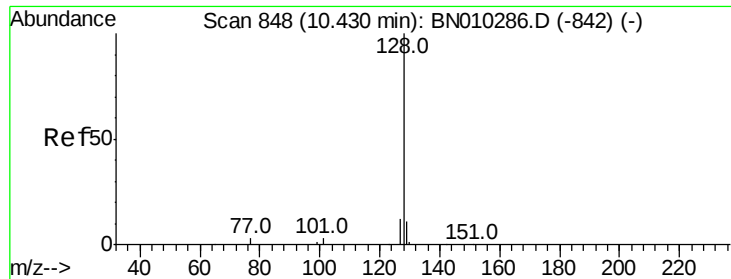


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.408 ng

RT: 10.42 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

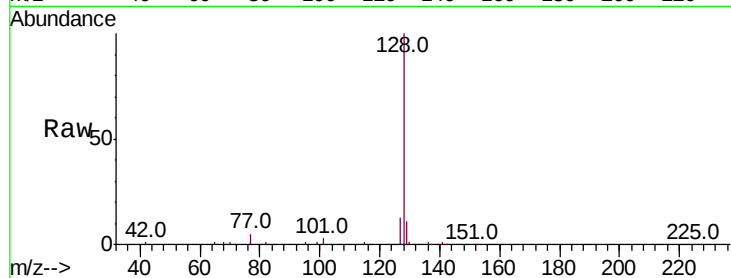
Tot Ion:128 Resp: 22083

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

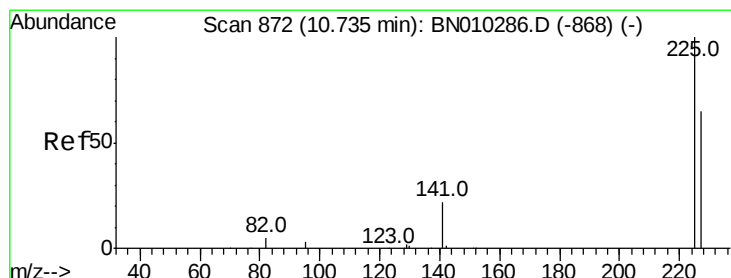
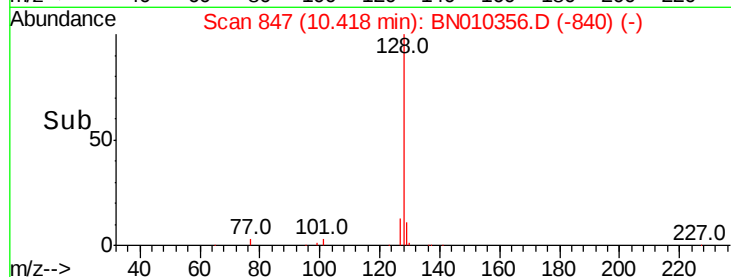
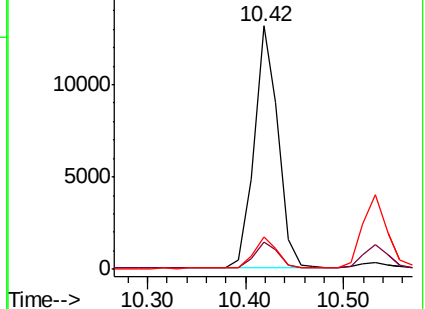
127 13.1 10.4 15.6



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: 0.424 ng

RT: 10.72 min Scan# 871

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

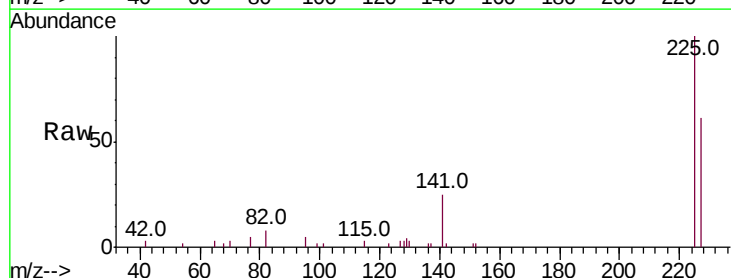
Tgt Ion:225 Resp: 5562

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

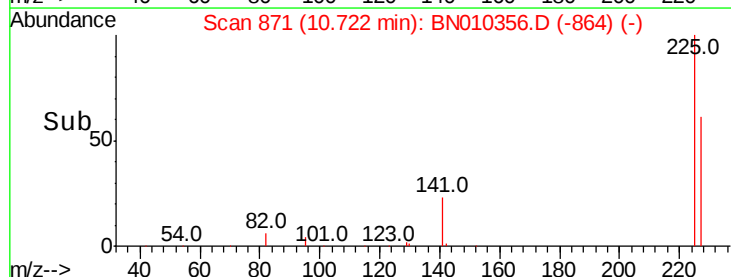
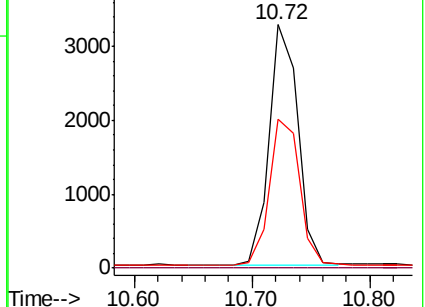
227 63.9 51.9 77.9

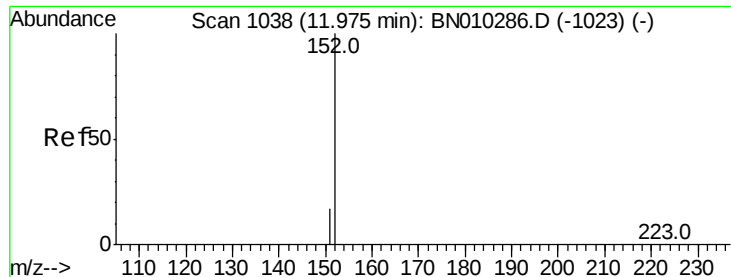


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

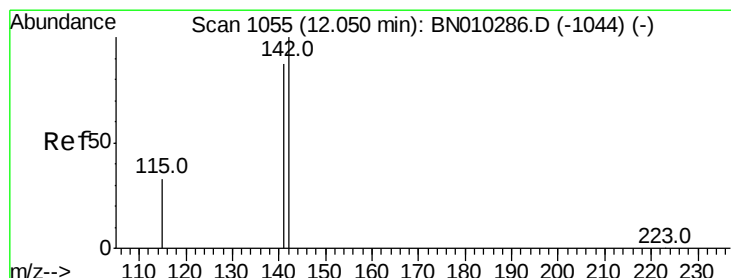
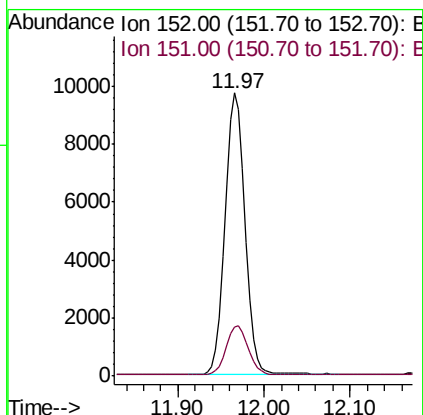
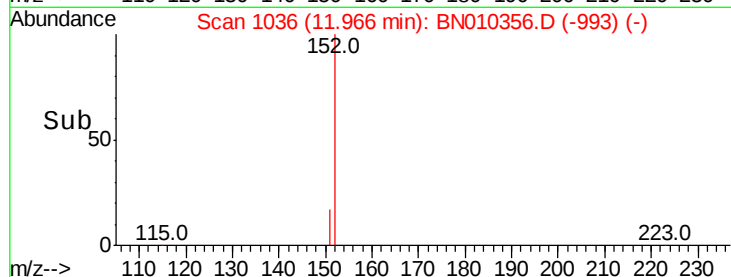
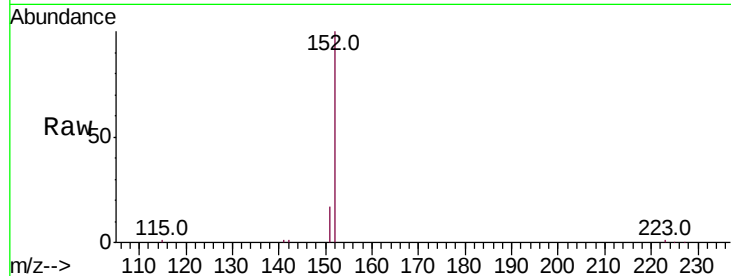




#11  
2-Methylnaphthalene-d10  
Concen: 0.450 ng  
RT: 11.97 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

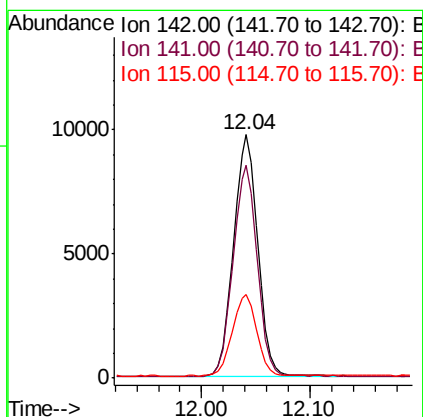
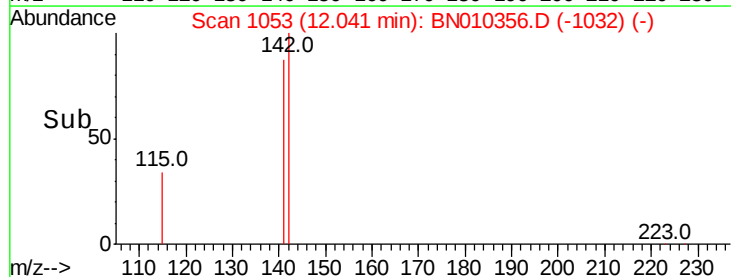
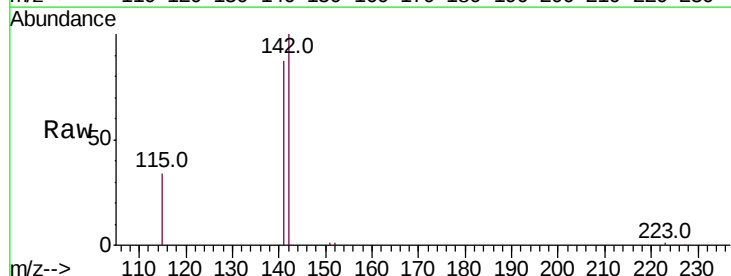
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

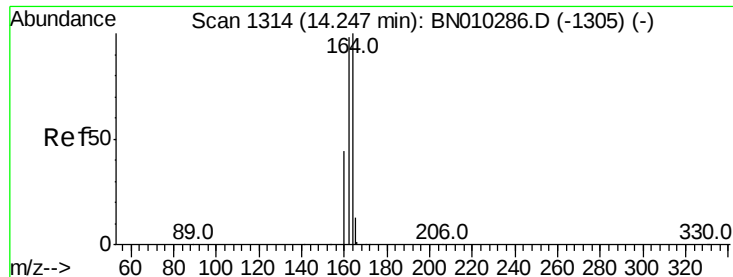
Tot Ion:152 Resp: 15572  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.4 23.2



#12  
2-Methylnaphthalene  
Concen: 0.403 ng  
RT: 12.04 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

Tgt Ion:142 Resp: 15115  
Ion Ratio Lower Upper  
142 100  
141 87.2 69.5 104.3  
115 34.3 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.23 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

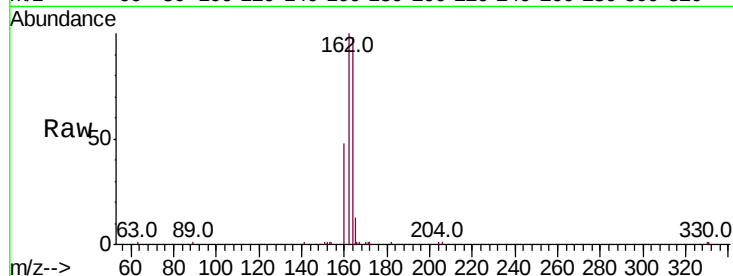
Tot Ion:164 Resp: 12776

Ion Ratio Lower Upper

164 100

162 102.3 78.2 117.2

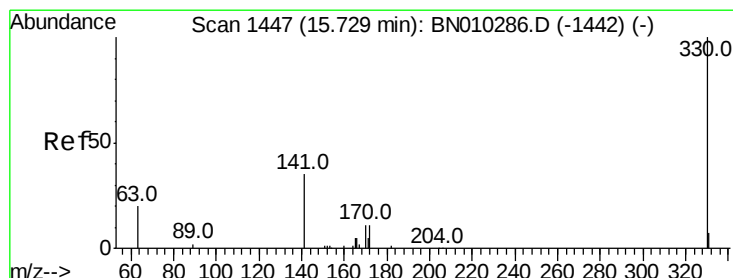
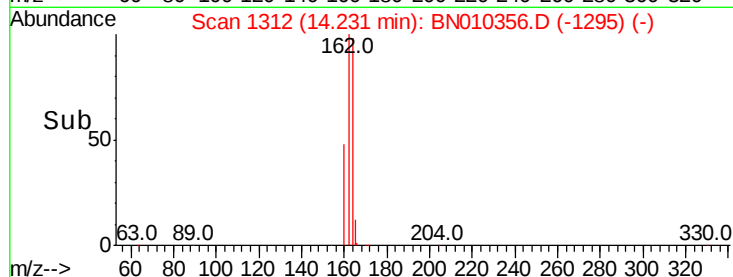
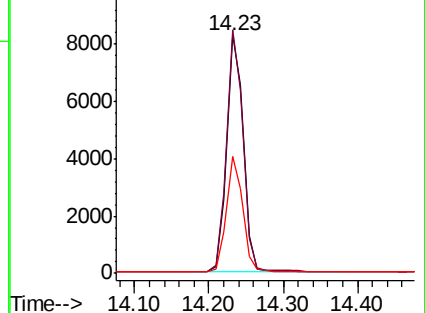
160 48.9 35.8 53.6



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: 0.362 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

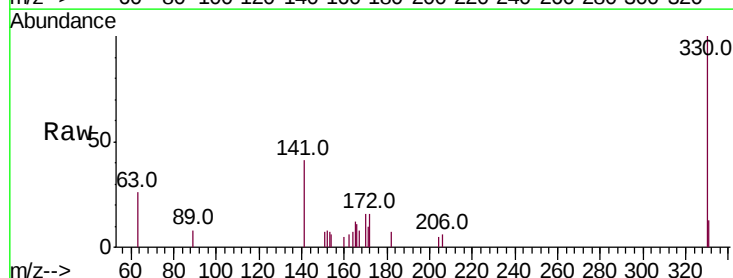
Tgt Ion:330 Resp: 1779

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

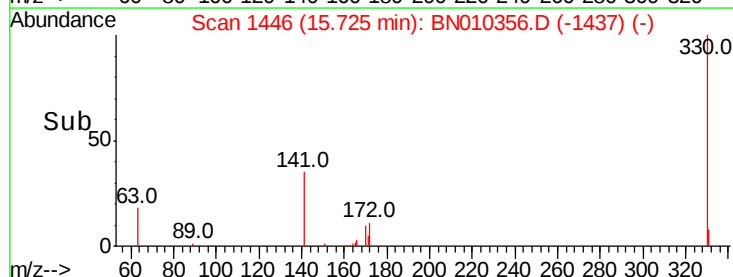
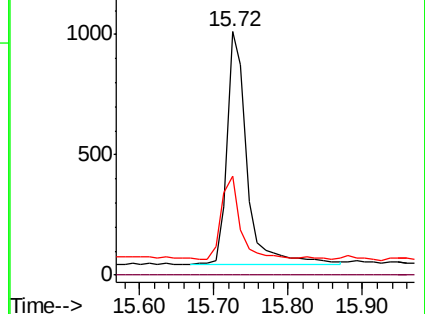
141 33.3 29.3 43.9

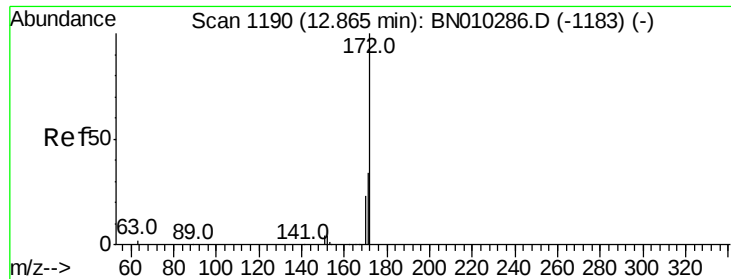


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

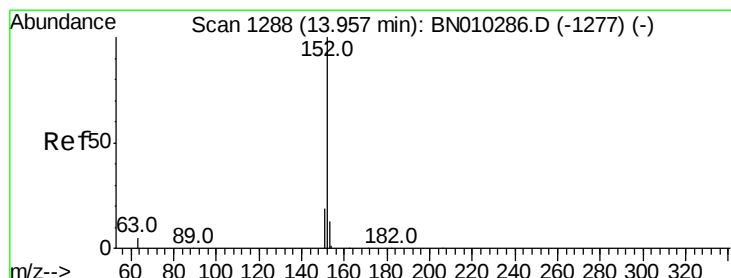
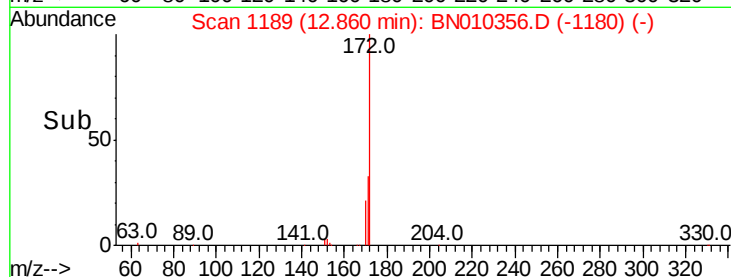
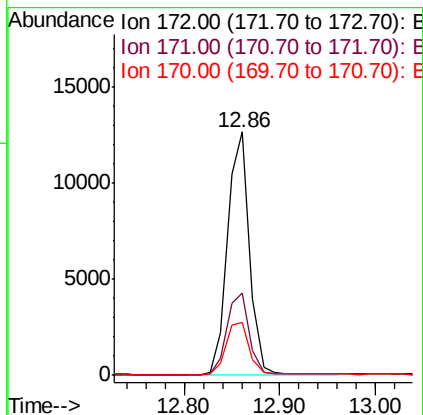
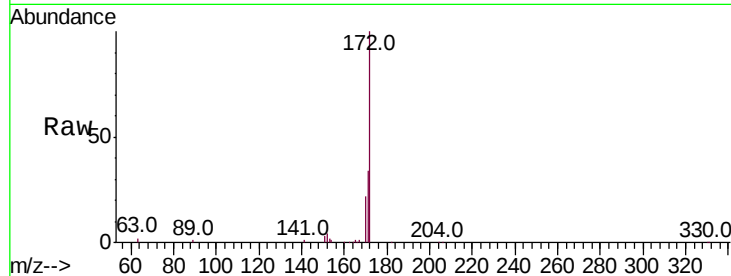




#15  
2-Fluorobiphenyl  
Concen: 0.410 ng  
RT: 12.86 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

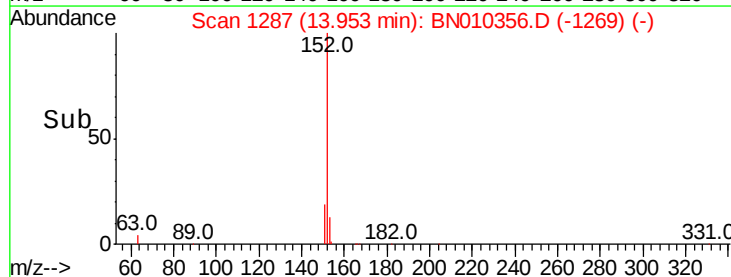
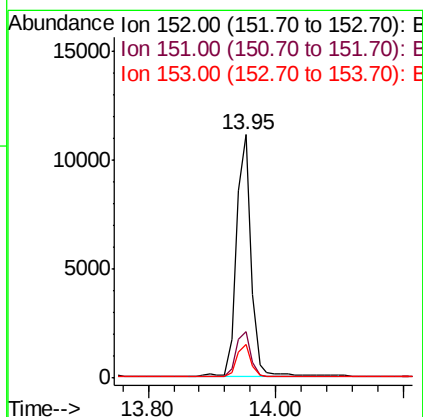
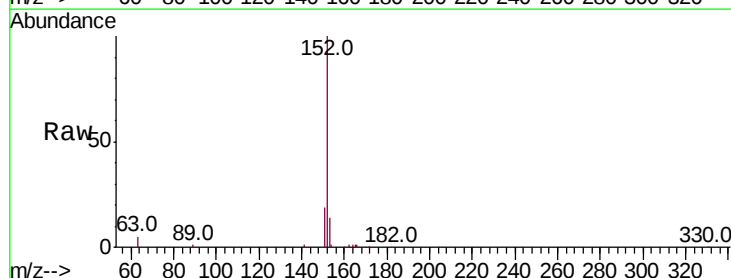
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

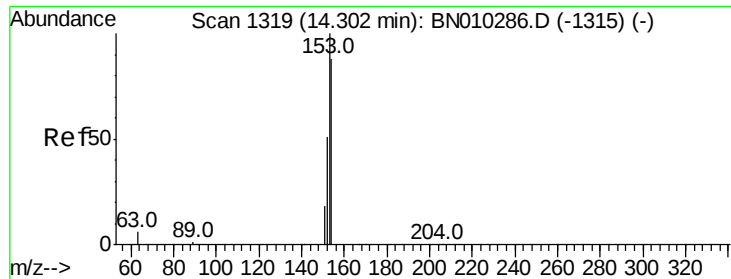
Tot Ion:172 Resp: 20024  
Ion Ratio Lower Upper  
172 100  
171 33.6 27.6 41.4  
170 21.8 18.5 27.7



#16  
Acenaphthylene  
Concen: 0.358 ng  
RT: 13.95 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: BN010356.D  
Acq: 27 Mar 2020 17:45

Tgt Ion:152 Resp: 17962  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.6 23.4  
153 13.3 10.6 15.8





#17

Acenaphthene

Concen: 0.401 ng

RT: 14.30 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

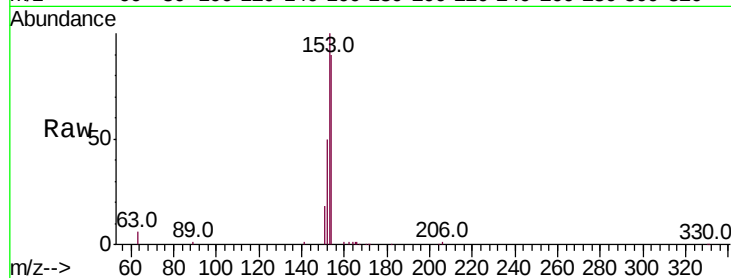
Tot Ion:154 Resp: 14337

Ion Ratio Lower Upper

154 100

153 112.7 88.1 132.1

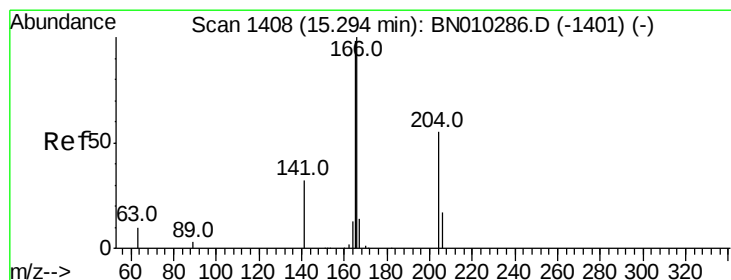
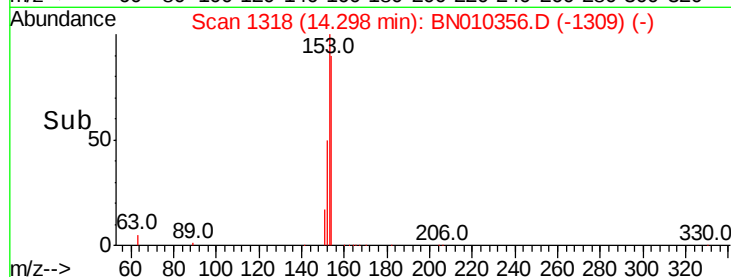
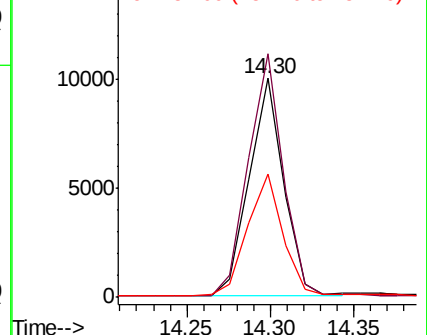
152 57.1 45.5 68.3



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: 0.389 ng

RT: 15.29 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

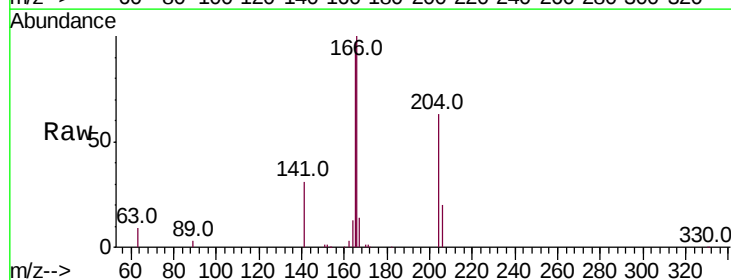
Tgt Ion:166 Resp: 18471

Ion Ratio Lower Upper

166 100

165 97.8 78.7 118.1

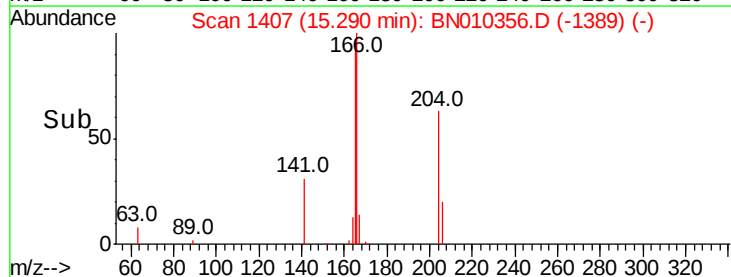
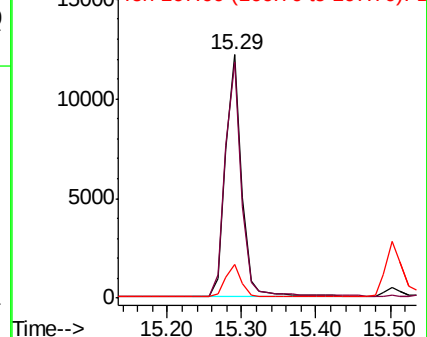
167 13.8 11.0 16.4

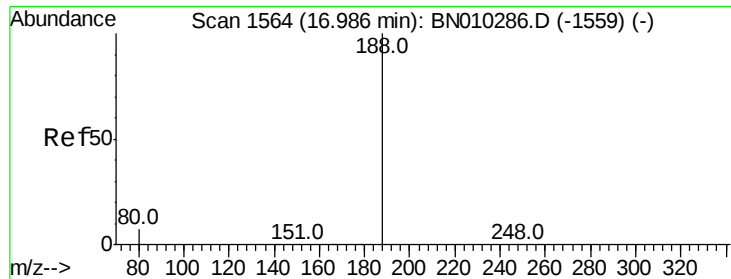


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.98 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

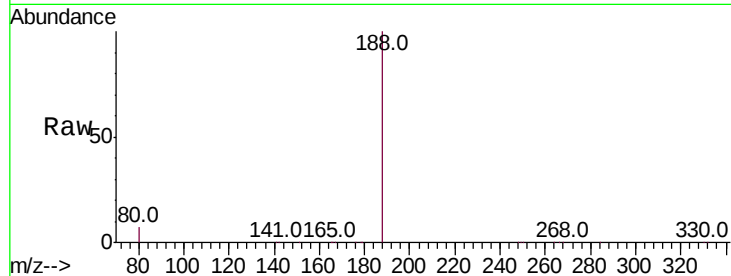
Tot Ion:188 Resp: 29840

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

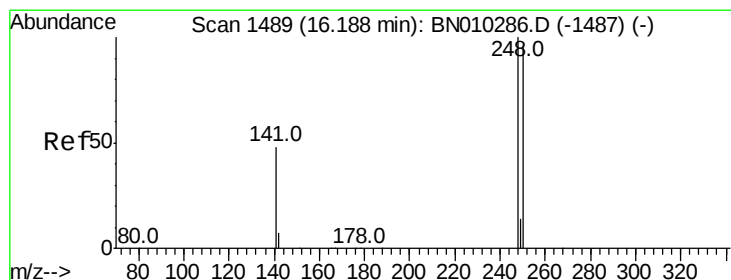
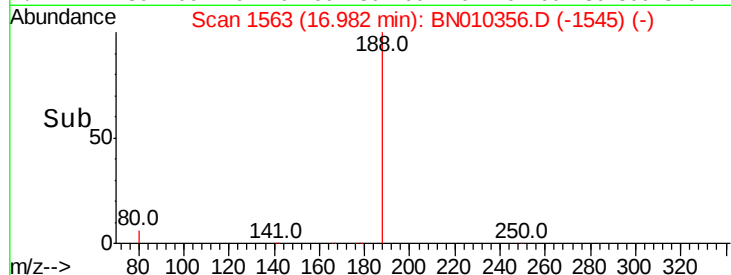
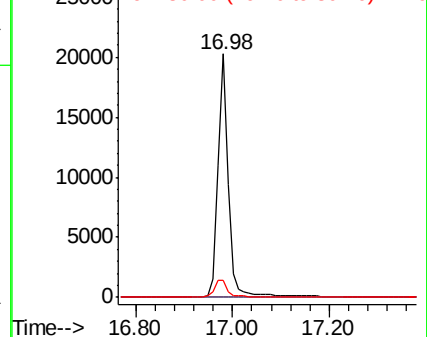
80 6.8 6.0 9.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.18 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

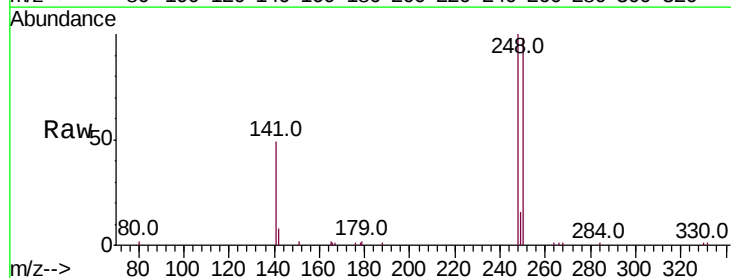
Tgt Ion:248 Resp: 6748

Ion Ratio Lower Upper

248 100

250 97.7 76.8 115.2

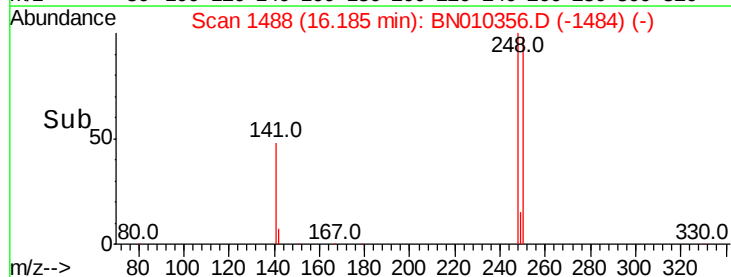
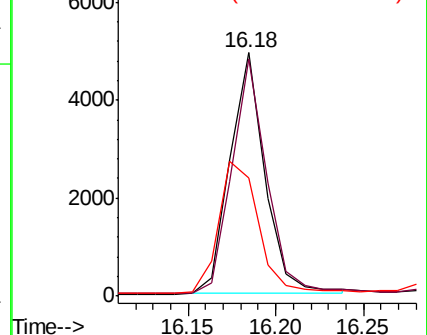
141 48.7 44.4 66.6

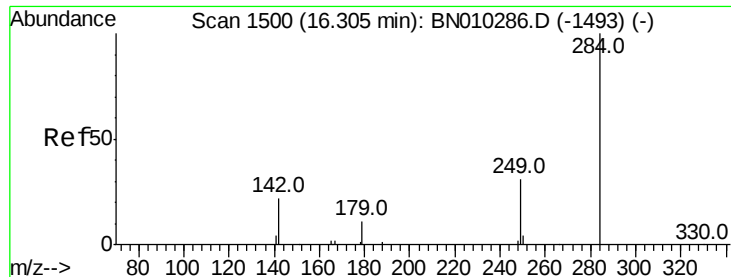


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.419 ng

RT: 16.30 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

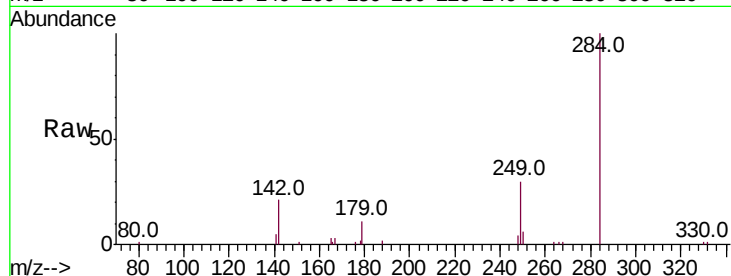
Tot Ion:284 Resp: 7792

Ion Ratio Lower Upper

284 100

142 33.0 27.4 41.2

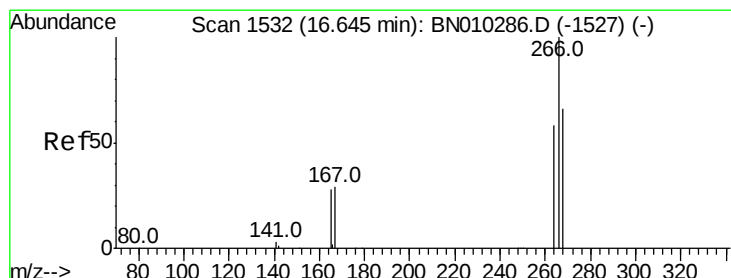
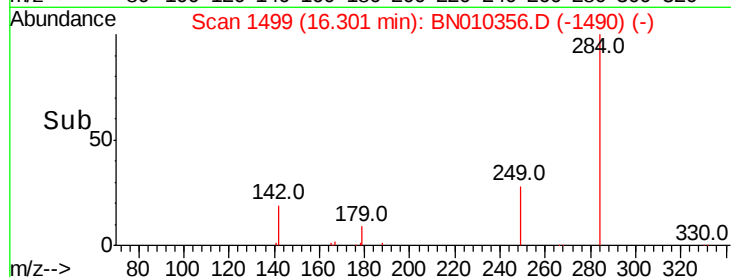
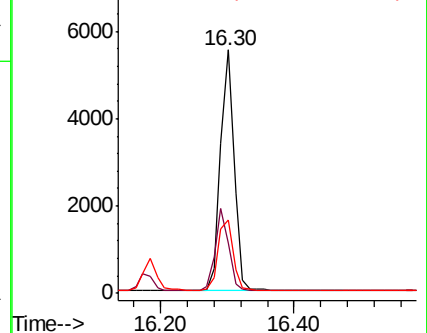
249 31.7 26.5 39.7



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: 0.318 ng

RT: 16.64 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

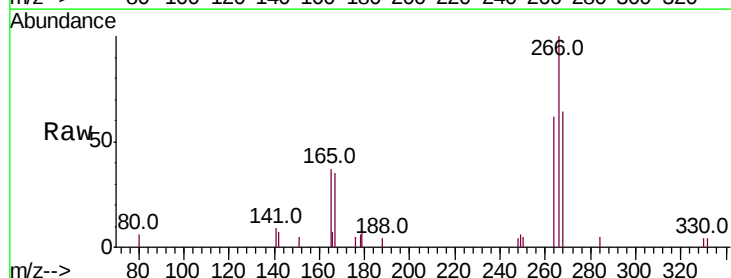
Tgt Ion:266 Resp: 2023

Ion Ratio Lower Upper

266 100

264 61.8 47.7 71.5

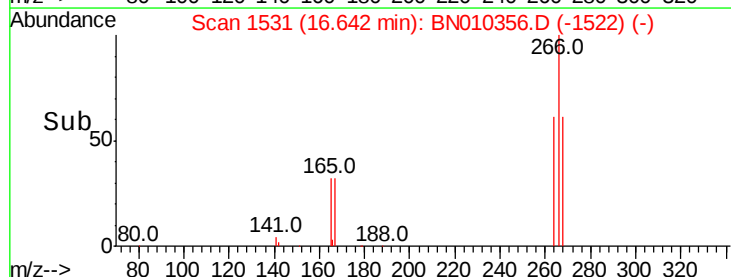
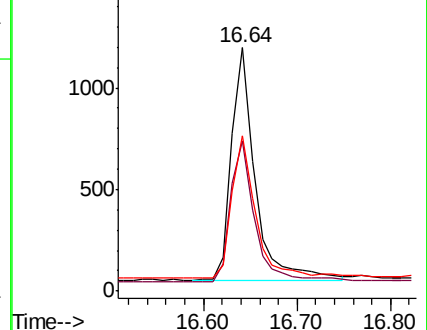
268 63.8 54.9 82.3

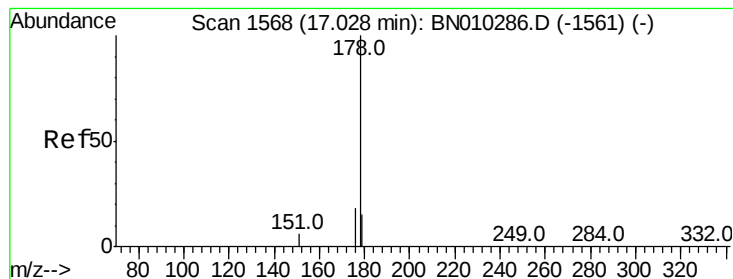


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

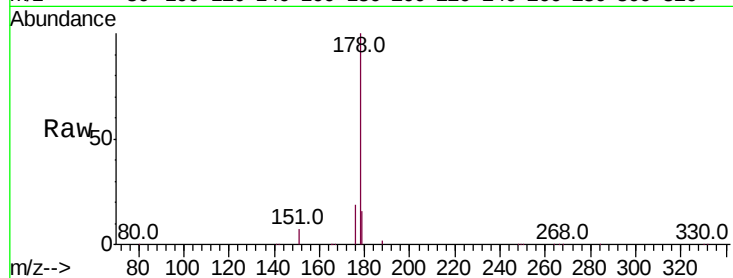
Tot Ion:178 Resp: 32321

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

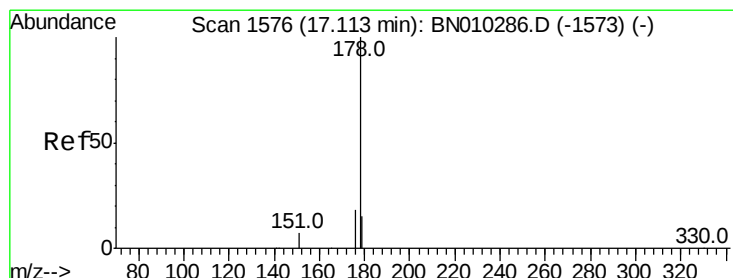
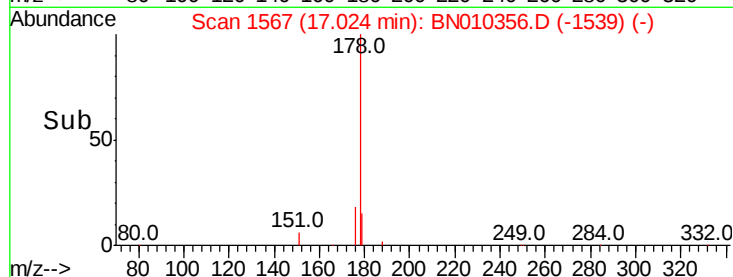
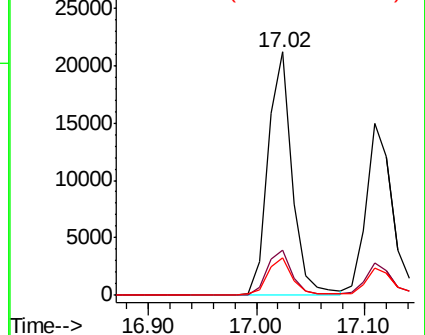
179 15.4 12.4 18.6



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: 0.368 ng

RT: 17.11 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

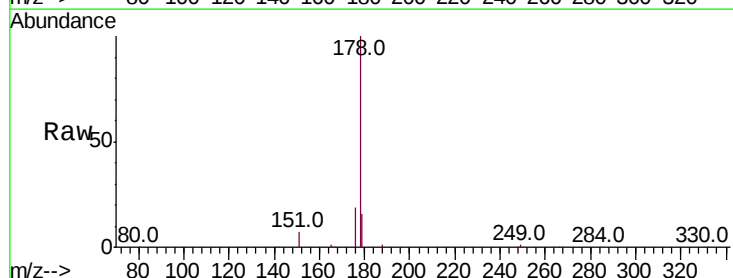
Tgt Ion:178 Resp: 25775

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

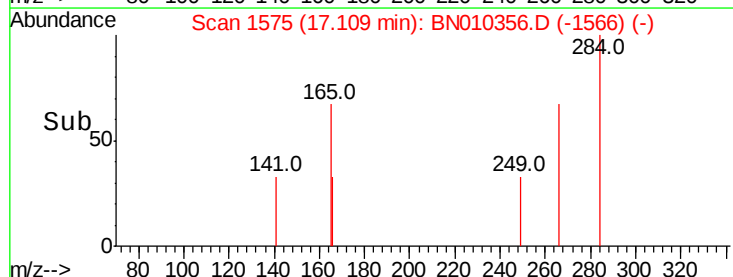
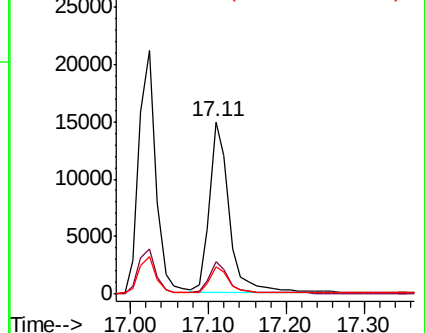
179 15.2 12.3 18.5

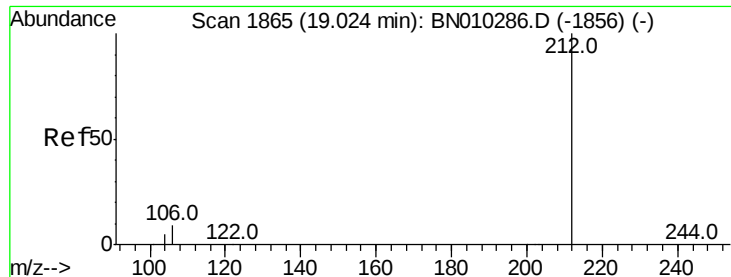


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.432 ng

RT: 19.02 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

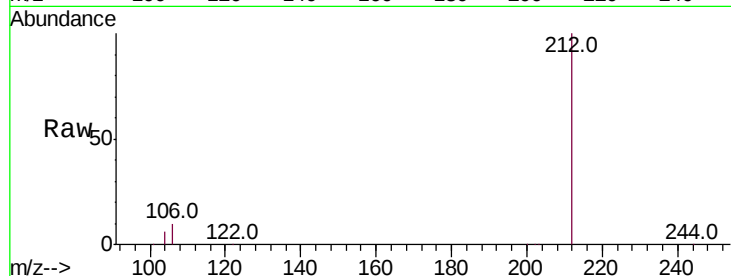
Tot Ion:212 Resp: 38834

Ion Ratio Lower Upper

212 100

106 9.5 7.4 11.2

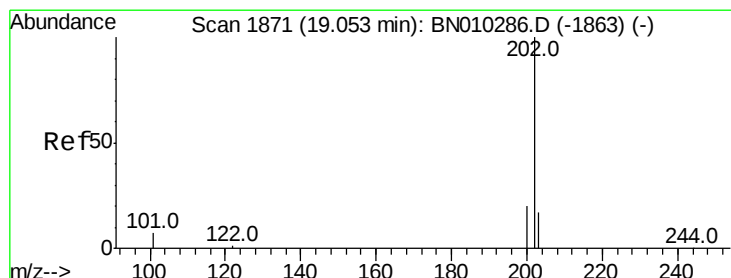
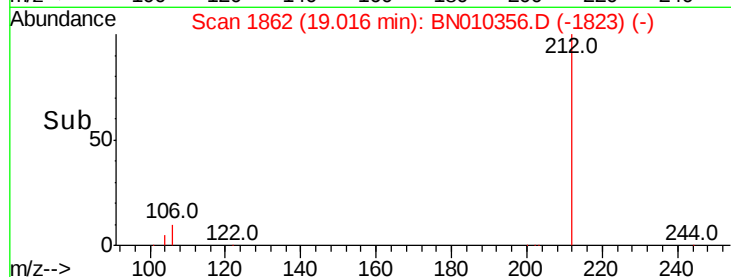
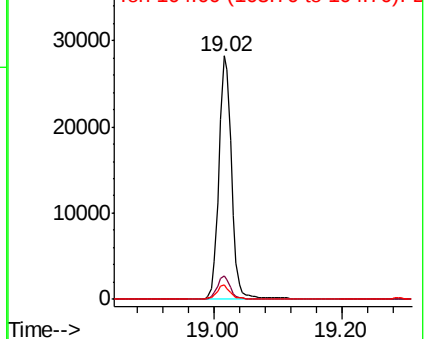
104 5.4 4.2 6.4



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: 0.389 ng

RT: 19.05 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

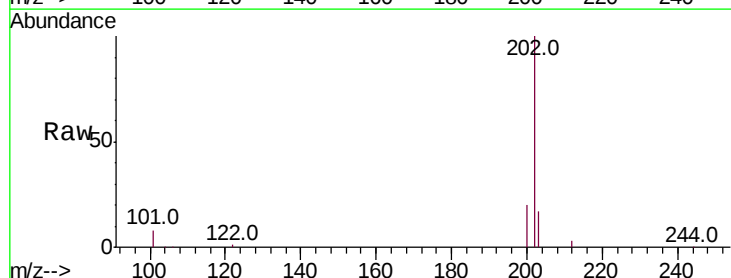
Tgt Ion:202 Resp: 39115

Ion Ratio Lower Upper

202 100

101 8.2 6.6 9.8

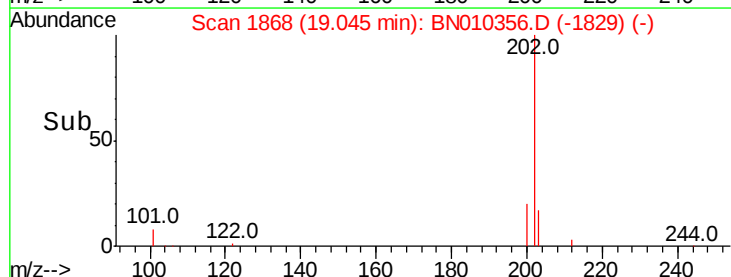
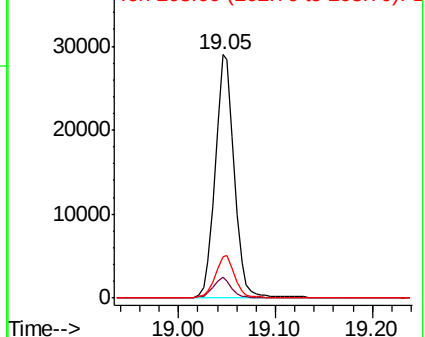
203 17.4 13.8 20.8

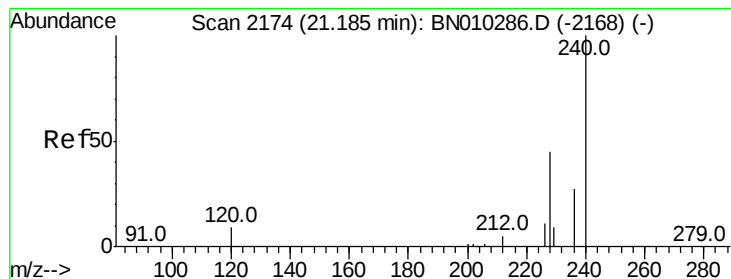


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.19 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

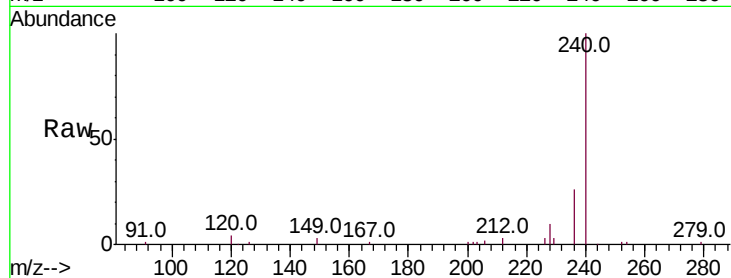
Tot Ion:240 Resp: 29870

Ion Ratio Lower Upper

240 100

120 4.3 7.9 11.9#

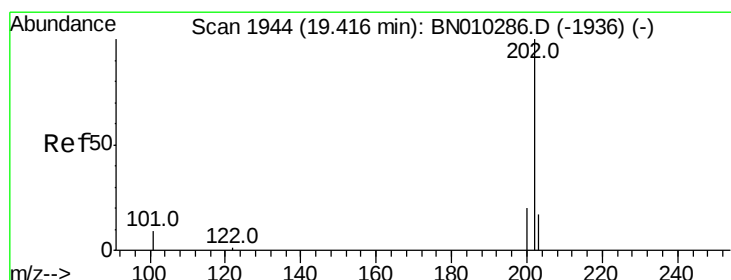
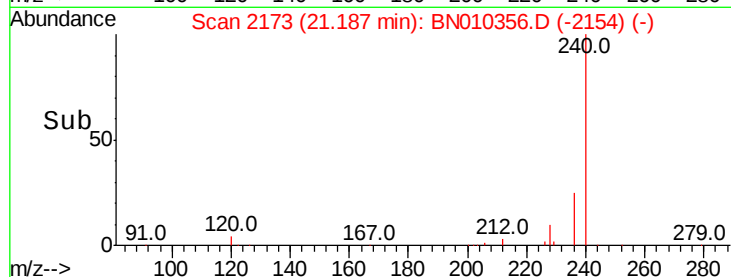
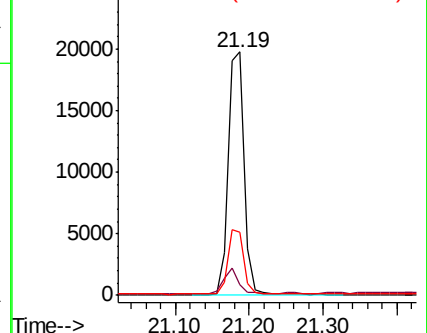
236 25.7 22.2 33.4



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: 0.440 ng

RT: 19.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

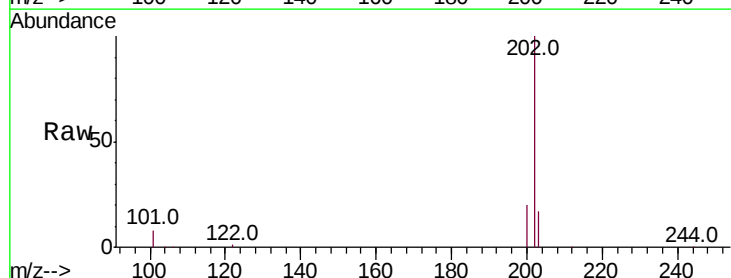
Tgt Ion:202 Resp: 40877

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

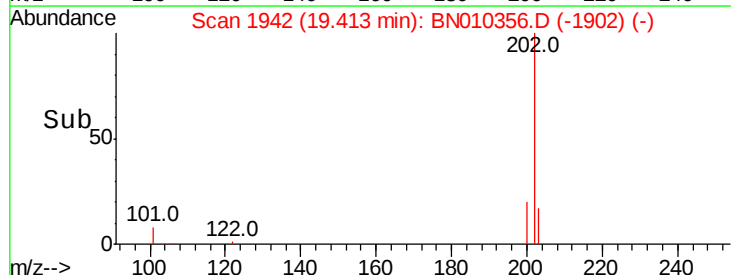
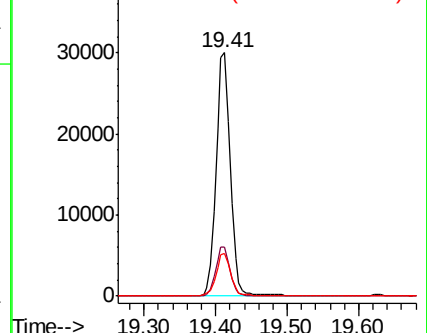
203 17.4 14.2 21.2

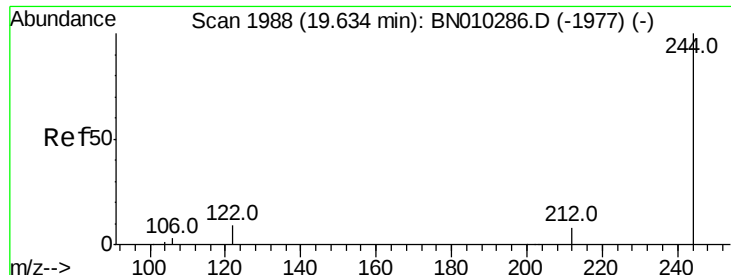


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.63 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

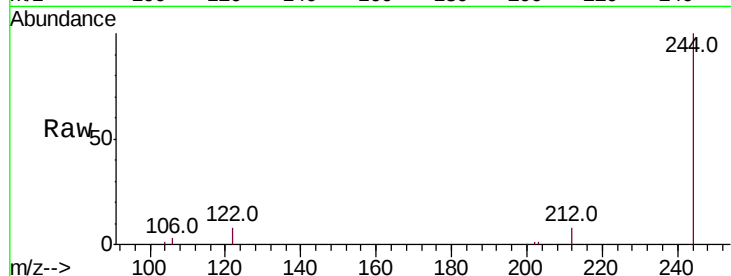
Tot Ion:244 Resp: 27148

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

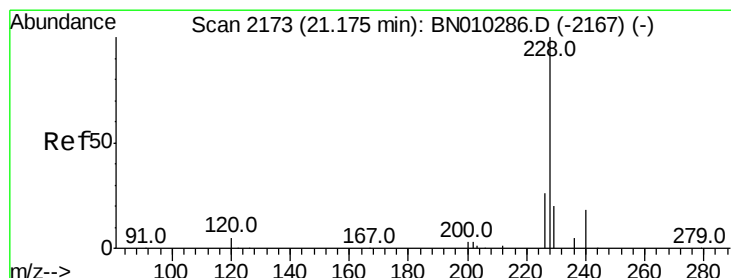
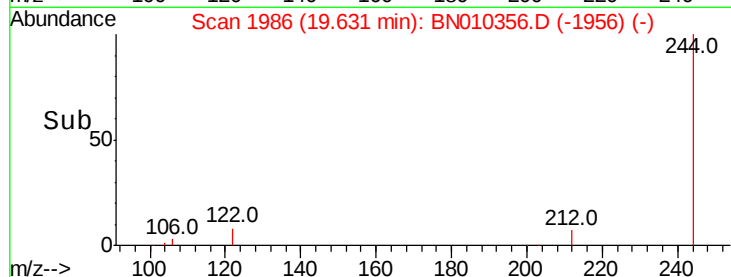
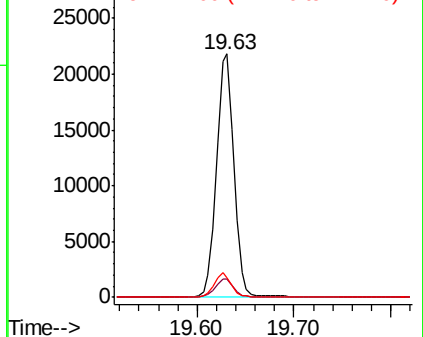
122 8.3 7.6 11.4



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: 0.388 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

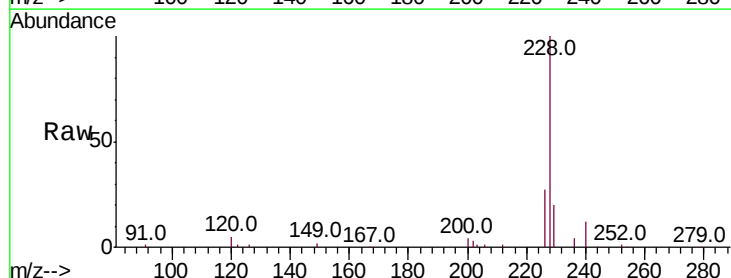
Tgt Ion:228 Resp: 36876

Ion Ratio Lower Upper

228 100

226 26.8 21.0 31.4

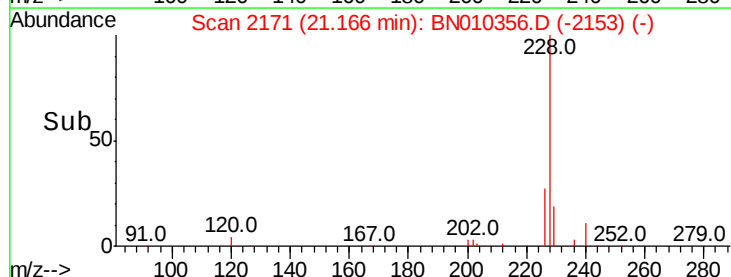
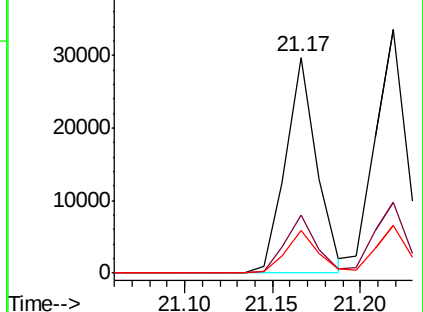
229 19.7 16.0 24.0

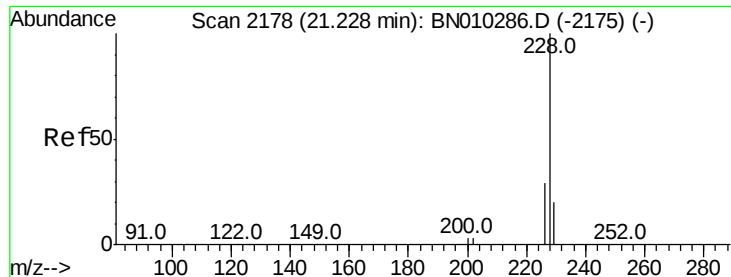


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.22 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

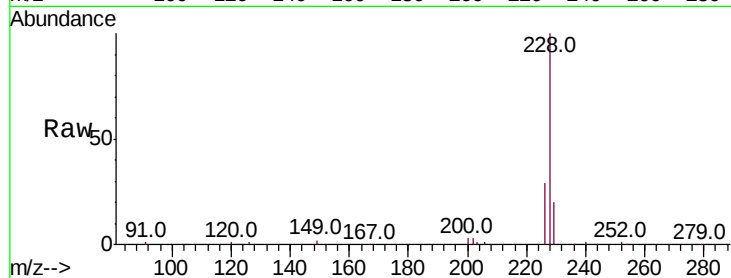
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 41890

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.9  | 23.0  | 34.6  |
| 229 | 19.9  | 16.0  | 24.0  |

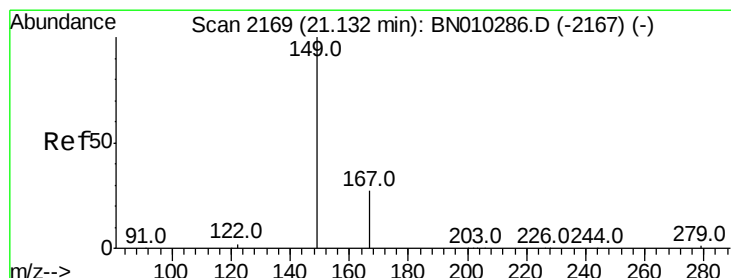
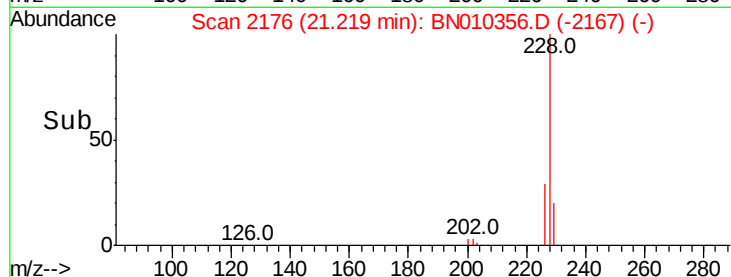
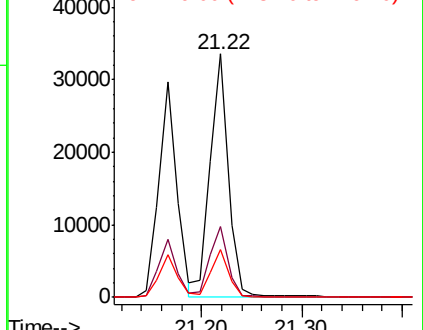


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.342 ng

RT: 21.12 min Scan# 2167

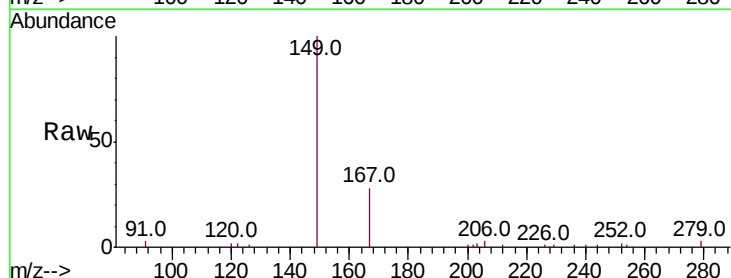
Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Tgt Ion:149 Resp: 10977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.2  | 23.0  | 34.6  |
| 279 | 4.9   | 3.8   | 5.8   |

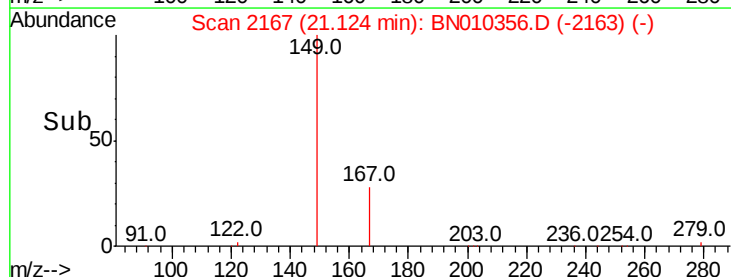
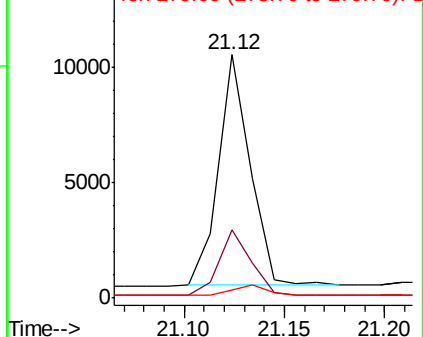


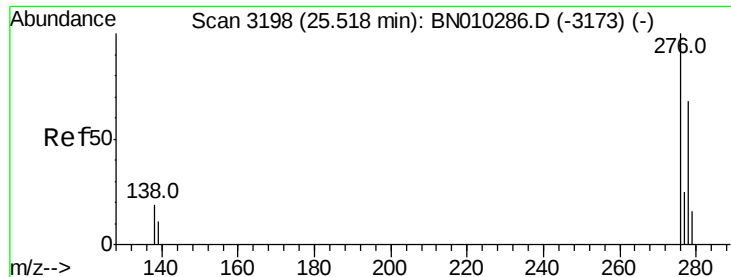
Abundance

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: 0.460 ng

RT: 25.50 min Scan# 3191

Delta R.T. -0.02 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

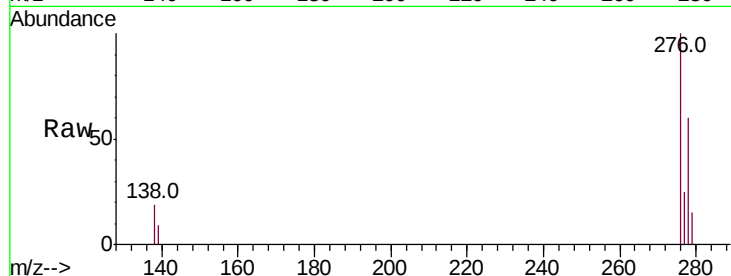
Tot Ion:276 Resp: 50230

Ion Ratio Lower Upper

276 100

138 19.8 15.6 23.4

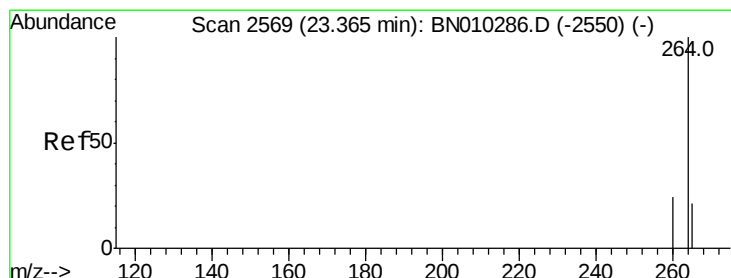
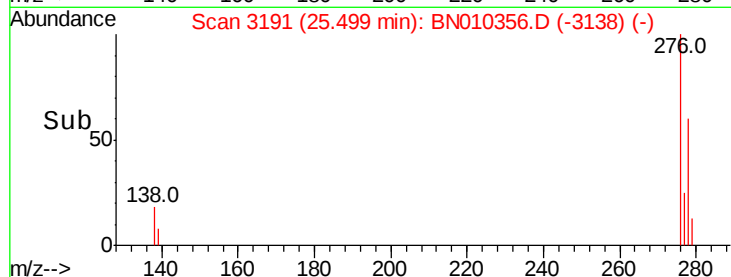
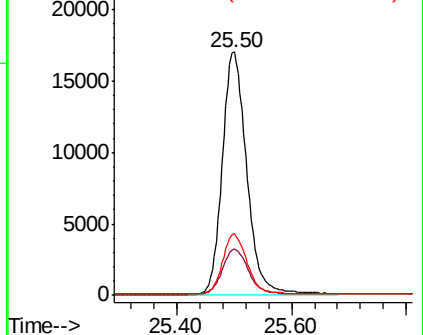
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.35 min Scan# 2564

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

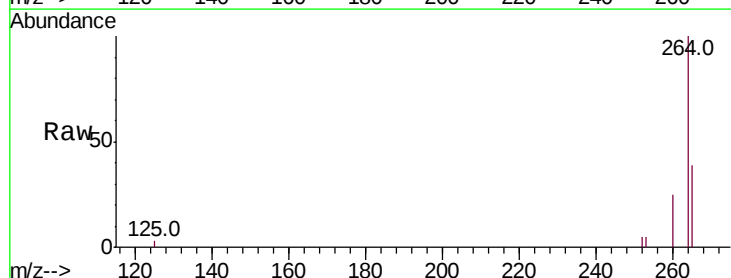
Tgt Ion:264 Resp: 30528

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

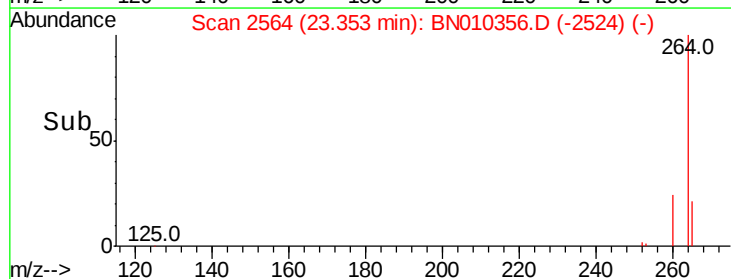
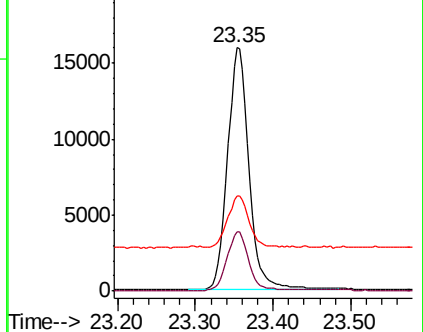
265 39.3 32.4 48.6

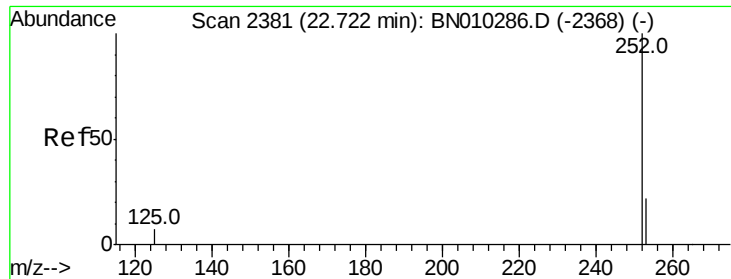


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 22.71 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

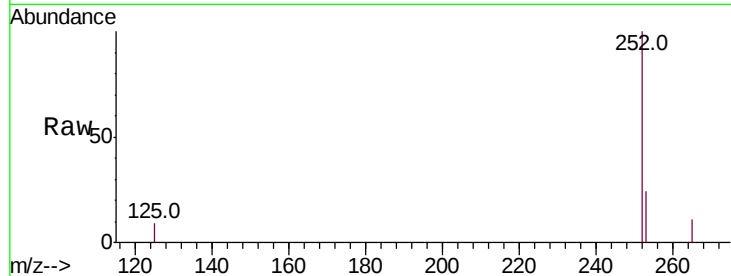
Tot Ion:252 Resp: 40429

Ion Ratio Lower Upper

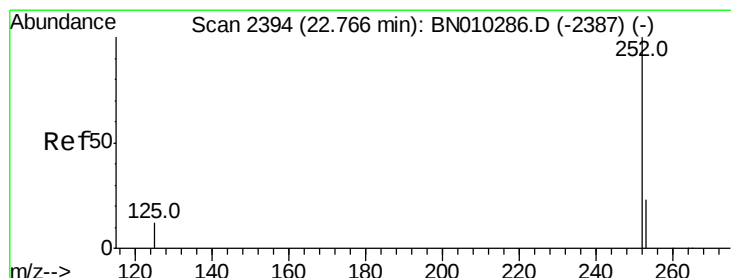
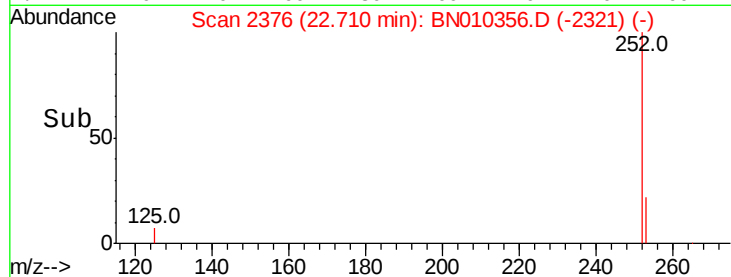
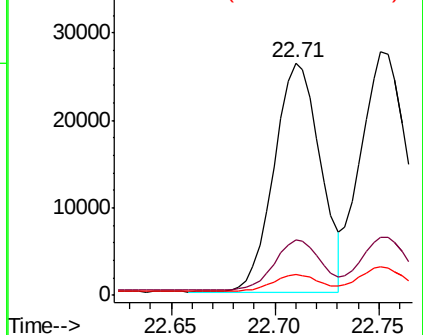
252 100

253 23.8 19.2 28.8

125 8.9 7.4 11.0



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



#36

Benzo(k)fluoranthene

Concen: 0.425 ng

RT: 22.75 min Scan# 2388

Delta R.T. -0.02 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

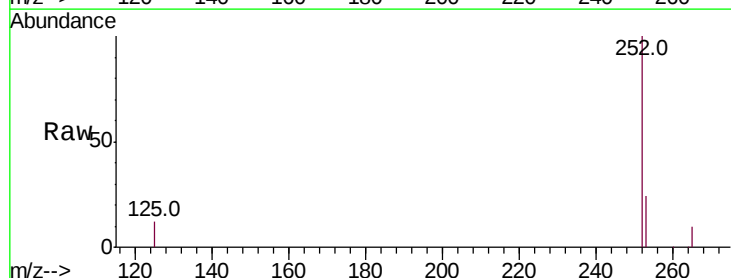
Tgt Ion:252 Resp: 44871

Ion Ratio Lower Upper

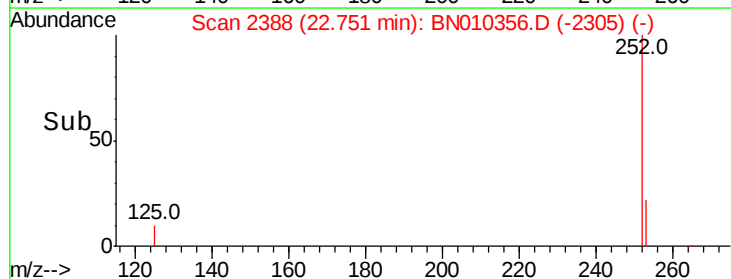
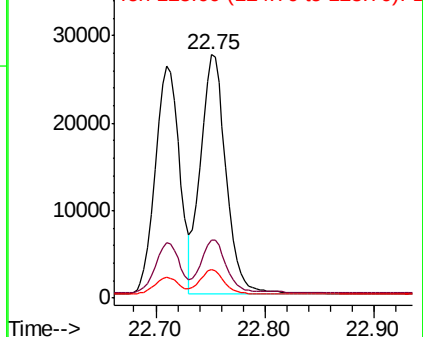
252 100

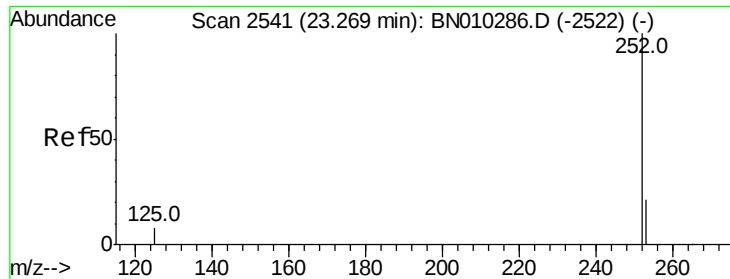
253 24.0 19.4 29.0

125 11.8 10.2 15.2



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: 0.392 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

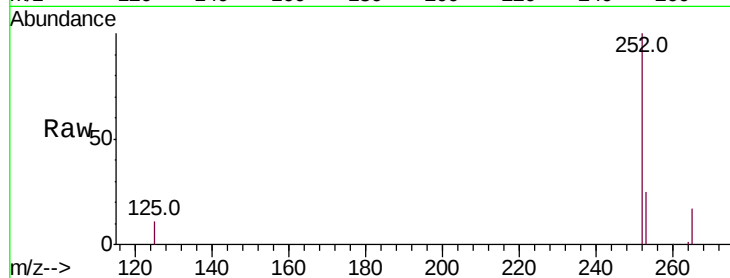
Tot Ion:252 Resp: 34283

Ion Ratio Lower Upper

252 100

253 25.1 19.9 29.9

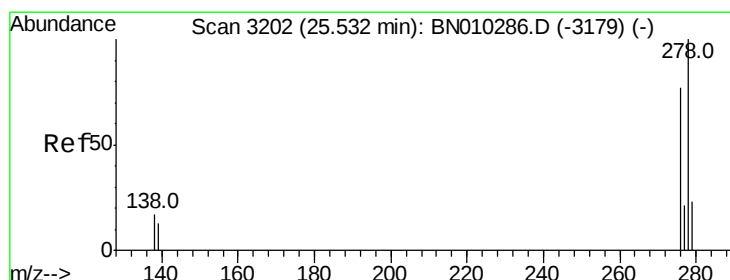
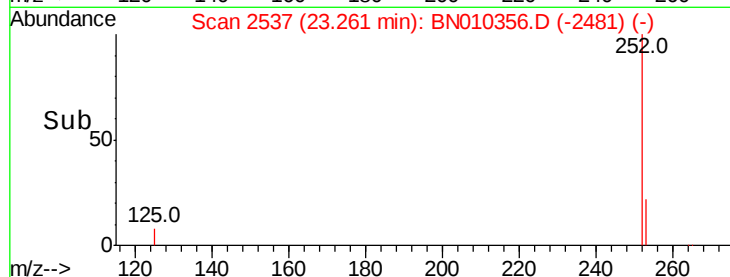
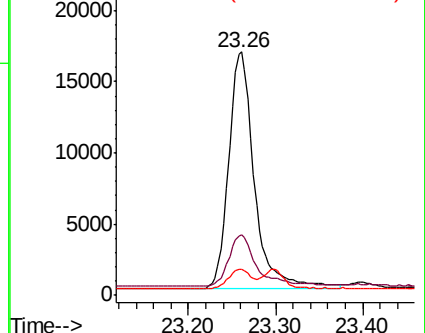
125 10.5 8.9 13.3



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: 0.429 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.02 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

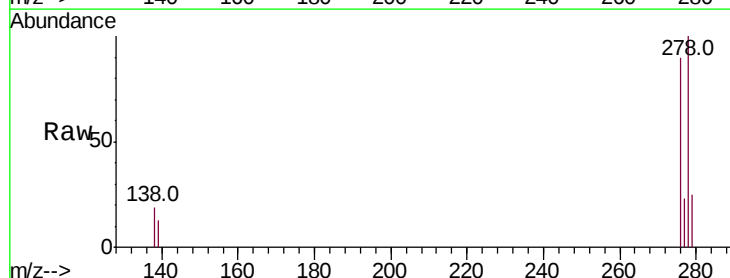
Tgt Ion:278 Resp: 40600

Ion Ratio Lower Upper

278 100

139 13.1 10.6 16.0

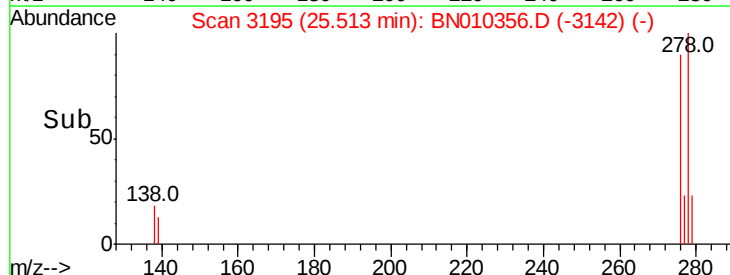
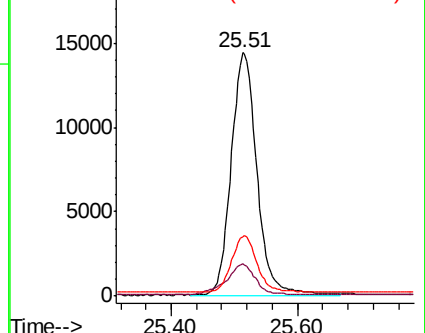
279 24.5 19.8 29.6

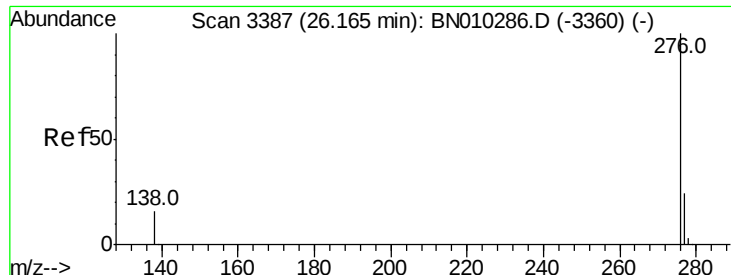


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.407 ng

RT: 26.15 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN010356.D

Acq: 27 Mar 2020 17:45

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

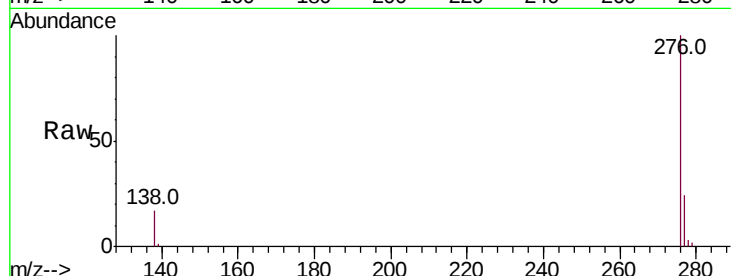
Tot Ion:276 Resp: 38733

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 17.0 13.3 19.9



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

