

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\  
 Data File : BN010295.D  
 Acq On : 19 Mar 2020 19:15  
 Operator : CG/JU  
 Sample : PB127689BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 20 01:24:26 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 | 7.62  | 152  | 4376     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 15098    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.24 | 164  | 9093     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.99 | 188  | 21139    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 22820    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.37 | 264  | 25030    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.25  | 112 | 3433  | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 6.80  | 99  | 4343  | 0.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.74  | 82  | 3736  | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 9431  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330 | 1242  | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 14456 | 0.42 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.02 | 212 | 23998 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.63 | 244 | 19663 | 0.40 | ng | 0.00 |

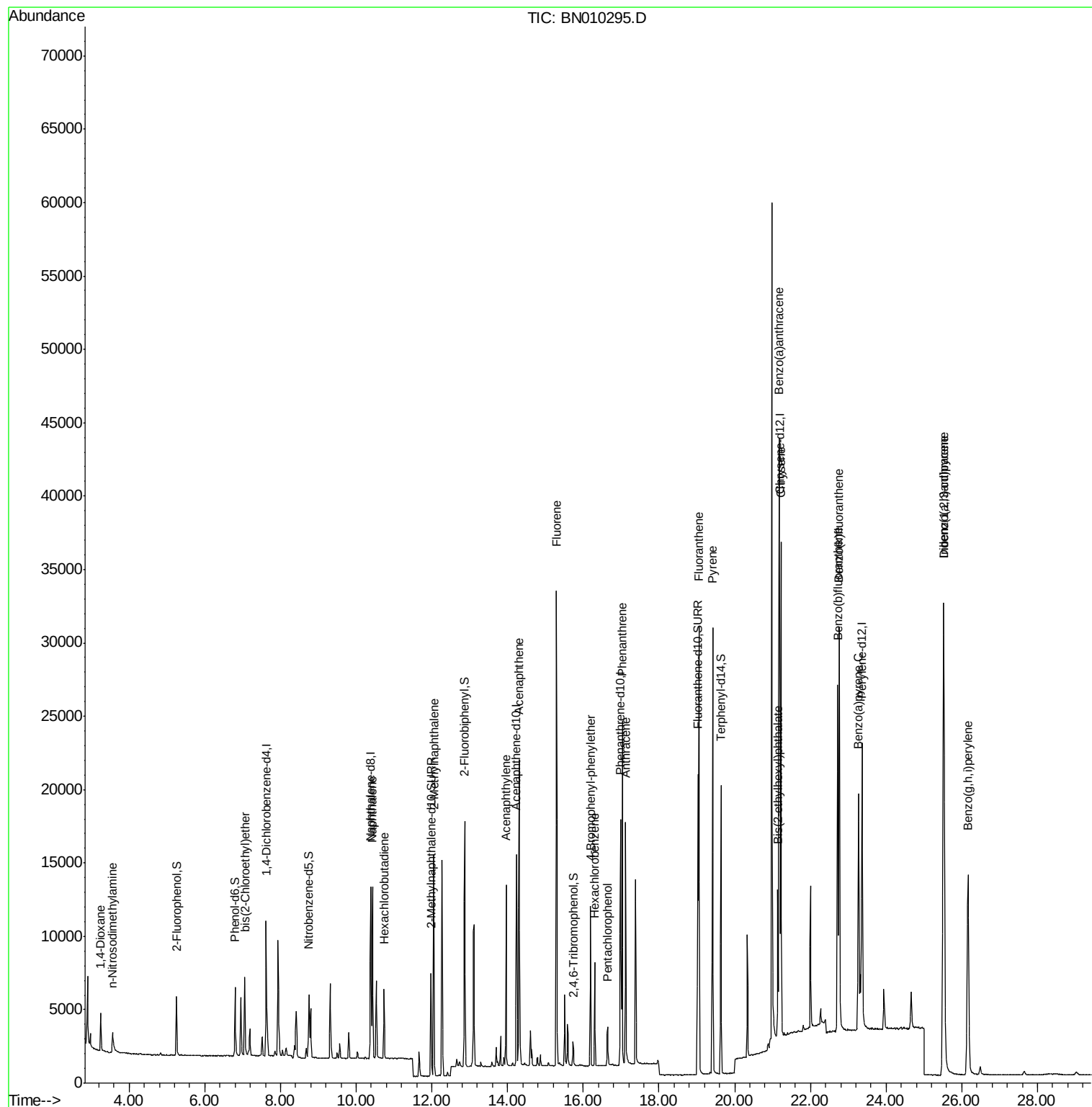
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.25  | 88  | 1673  | 0.407  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.56  | 42  | 1263  | 0.364  | ng | # 99 |
| 6) bis(2-Chloroethyl)ether     | 7.06  | 93  | 4225  | 0.408  | ng | 99   |
| 9) Naphthalene                 | 10.43 | 128 | 15186 | 0.403  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.73 | 225 | 3681  | 0.403  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.05 | 142 | 10424 | 0.399  | ng | 98   |
| 16) Acenaphthylene             | 13.96 | 152 | 13454 | 0.377  | ng | 99   |
| 17) Acenaphthene               | 14.30 | 154 | 10023 | 0.394  | ng | 100  |
| 18) Fluorene                   | 15.29 | 166 | 13109 | 0.388  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.19 | 248 | 5057  | 0.394  | ng | 98   |
| 21) Hexachlorobenzene          | 16.31 | 284 | 5344  | 0.406  | ng | 100  |
| 22) Pentachlorophenol          | 16.65 | 266 | 1494  | 0.331  | ng | 96   |
| 23) Phenanthrene               | 17.03 | 178 | 23229 | 0.400  | ng | 100  |
| 24) Anthracene                 | 17.11 | 178 | 18770 | 0.378  | ng | 100  |
| 26) Fluoranthene               | 19.05 | 202 | 27715 | 0.389  | ng | 100  |
| 28) Pyrene                     | 19.42 | 202 | 27774 | 0.391  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.17 | 228 | 28169 | 0.388  | ng | 99   |
| 31) Chrysene                   | 21.23 | 228 | 31197 | 0.400  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 9011  | 0.367  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276 | 38249 | 0.458  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.72 | 252 | 30000 | 0.353  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.76 | 252 | 32878 | 0.380  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.27 | 252 | 26086 | 0.364  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 25.53 | 278 | 31559 | 0.407  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 26.17 | 276 | 29116 | 0.373  | ng | 99   |

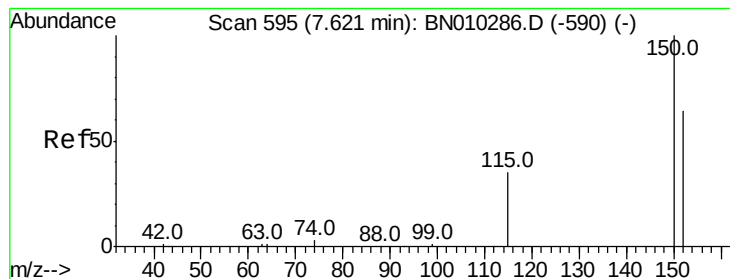
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 19 15:26:45 2020  
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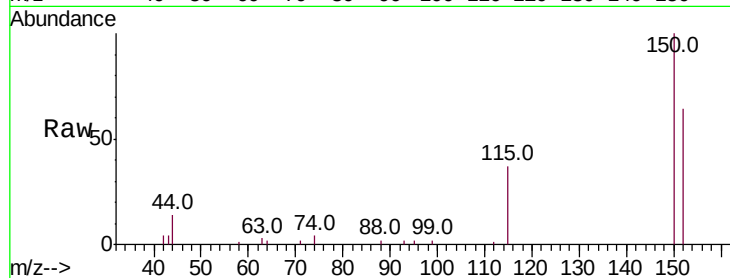


#1

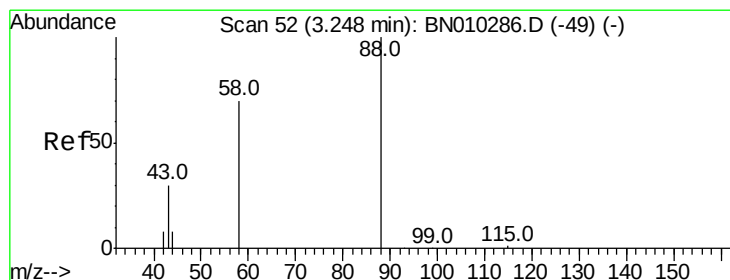
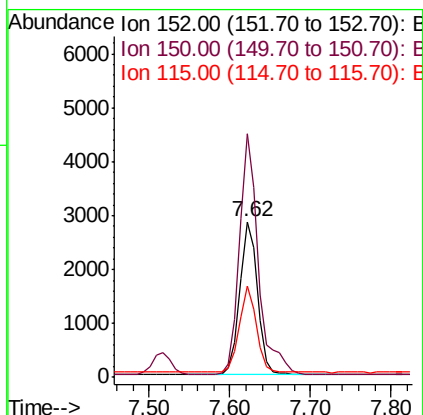
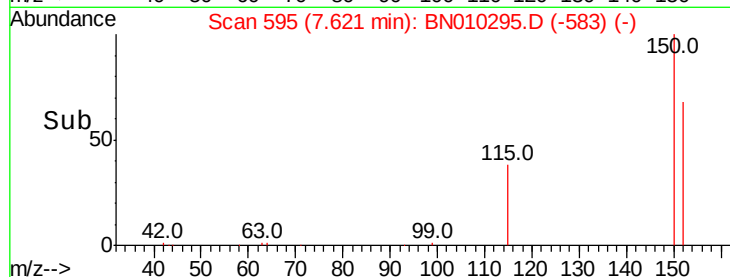
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 595  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 4376  
Ion Ratio Lower Upper  
152 100  
150 156.5 123.1 184.7  
115 58.4 45.2 67.8



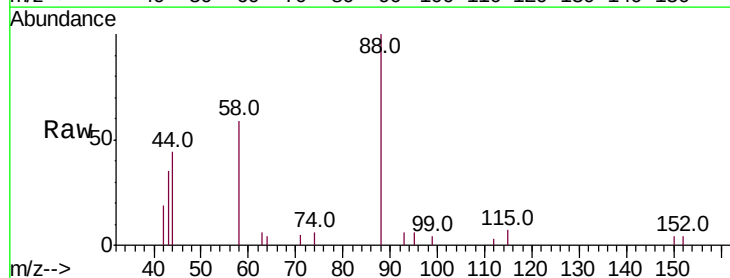
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



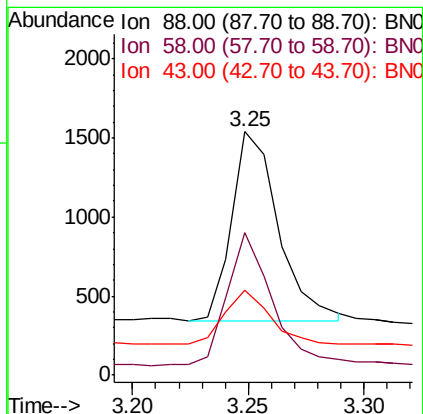
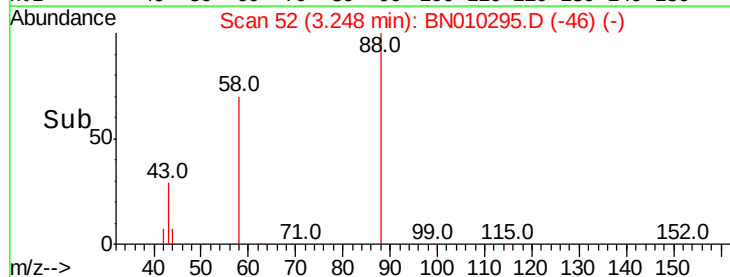
#2

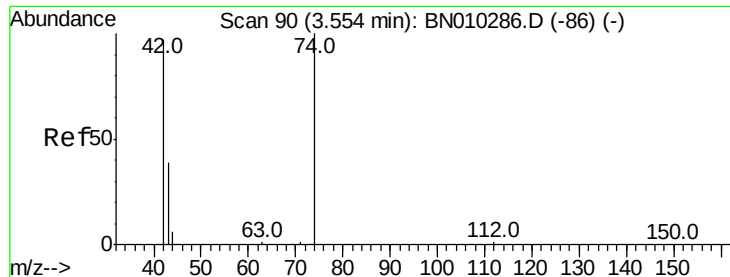
1,4-Dioxane  
Concen: 0.407 ng  
RT: 3.25 min Scan# 52  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

Tgt Ion: 88 Resp: 1673  
Ion Ratio Lower Upper  
88 100  
58 66.6 51.7 77.5  
43 27.4 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

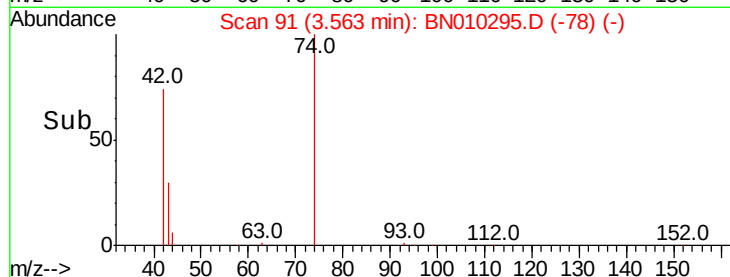
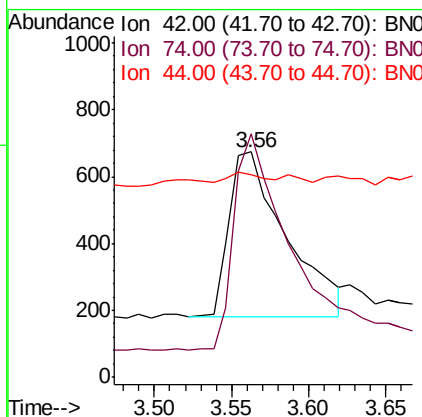
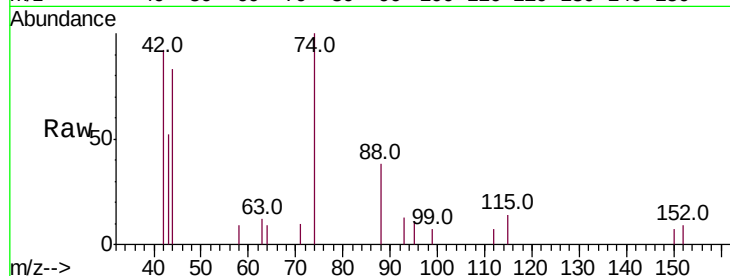




#3  
n-Nitrosodimethylamine  
Concen: 0.364 ng  
RT: 3.56 min Scan# 91  
Delta R.T. 0.01 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

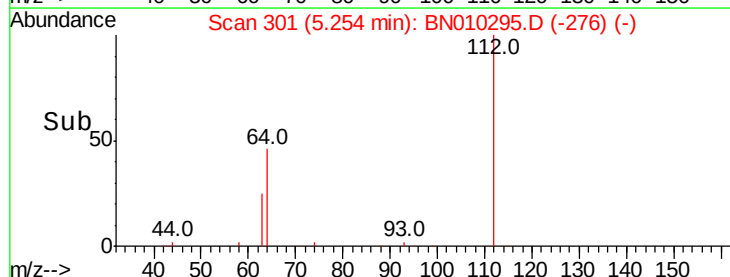
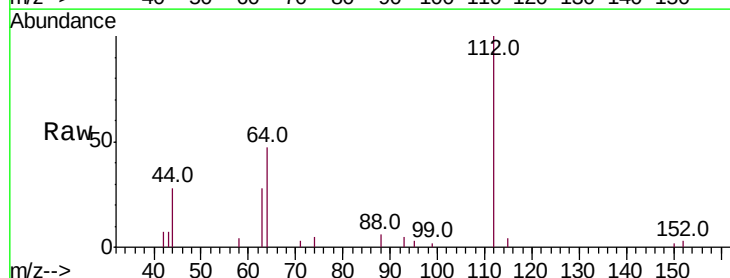
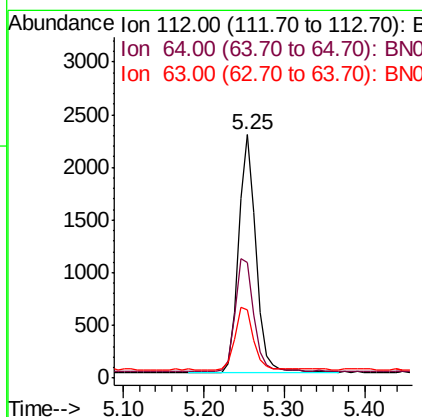
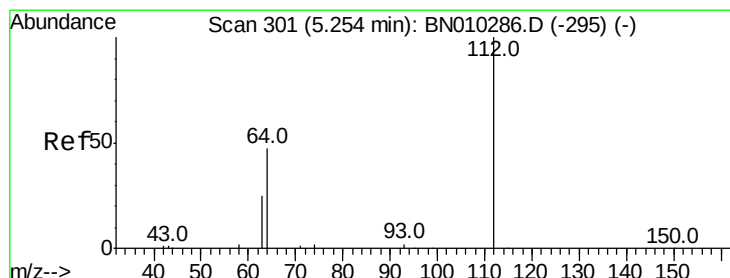
Instrument :  
BNA\_N  
ClientSampleId :

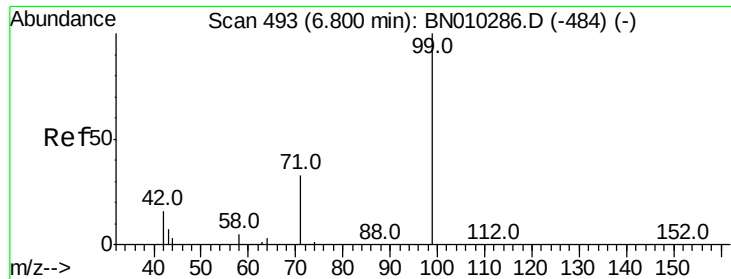
Tot Ion: 42 Resp: 1263  
Ion Ratio Lower Upper  
42 100  
74 124.9 99.4 149.0  
44 3.3 4.8 7.2#



#4  
2-Fluorophenol  
Concen: 0.396 ng  
RT: 5.25 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

Tgt Ion: 112 Resp: 3433  
Ion Ratio Lower Upper  
112 100  
64 50.8 41.4 62.2  
63 28.2 22.9 34.3





#5

Phenol-d6

Concen: 0.403 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

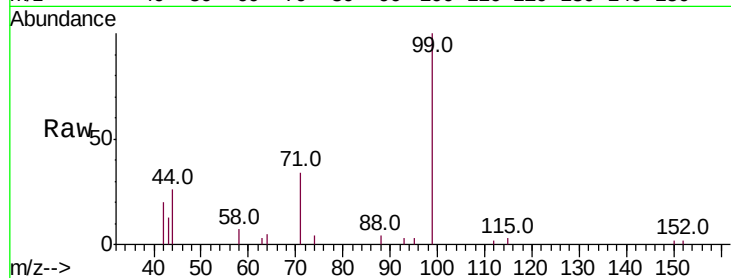
Tot Ion: 99 Resp: 4343

Ion Ratio Lower Upper

99 100

42 20.3 14.8 22.2

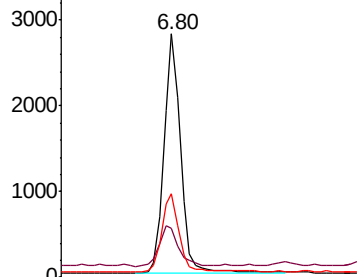
71 33.0 27.3 40.9



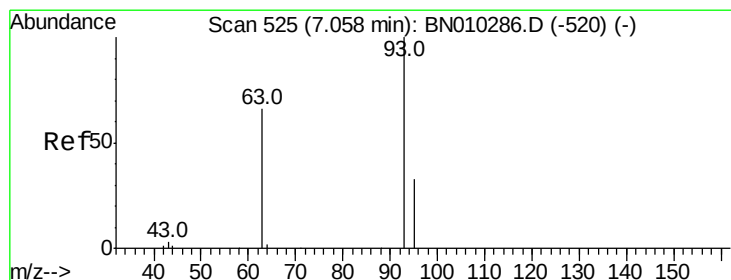
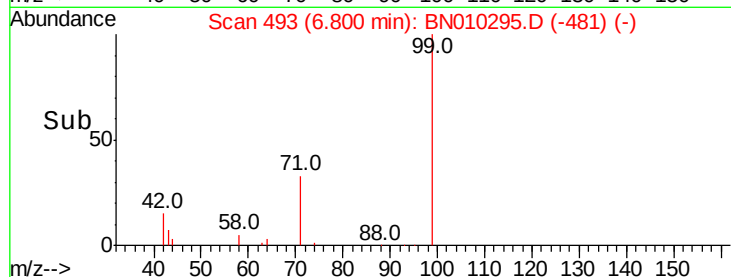
Abundance Ion 99.00 (98.70 to 99.70): BN010286.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010286.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010286.D (-484) (-)



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.408 ng

RT: 7.06 min Scan# 525

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

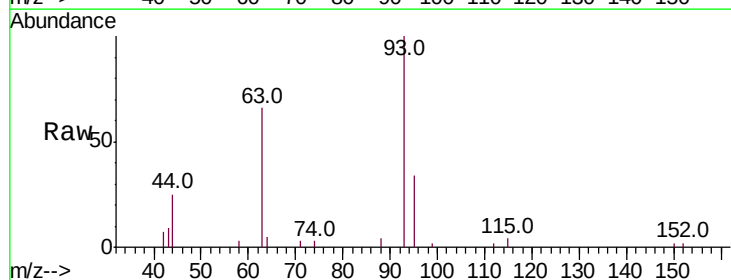
Tgt Ion: 93 Resp: 4225

Ion Ratio Lower Upper

93 100

63 69.8 55.6 83.4

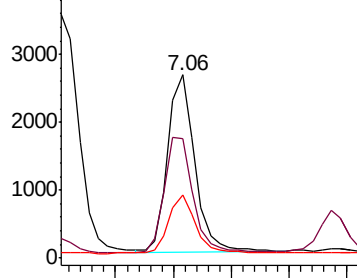
95 33.4 26.2 39.4



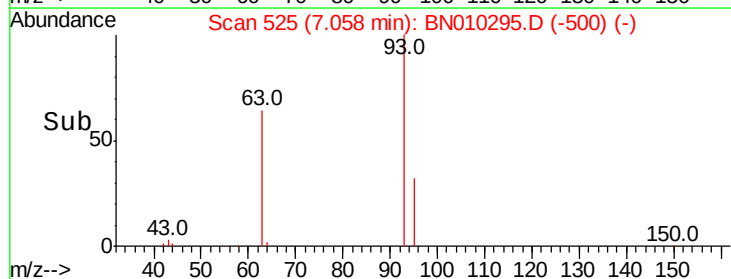
Abundance Ion 93.00 (92.70 to 93.70): BN010286.D (-520) (-)

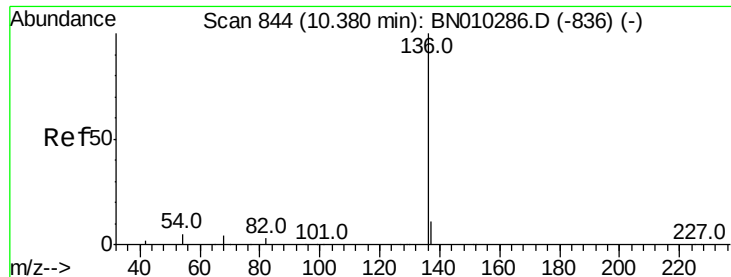
Ion 63.00 (62.70 to 63.70): BN010286.D (-520) (-)

Ion 95.00 (94.70 to 95.70): BN010286.D (-520) (-)



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 15098

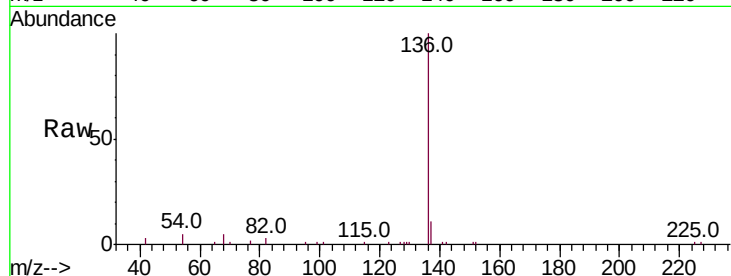
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 5.5 4.8 7.2

68 5.0 4.1 6.1

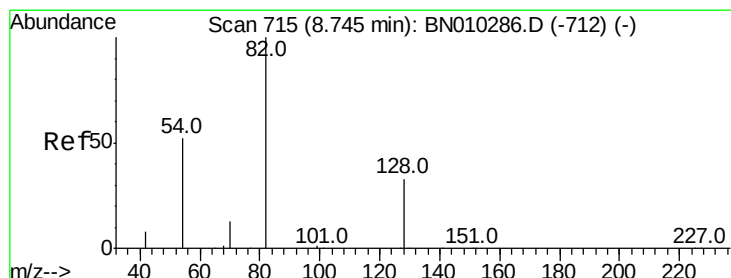
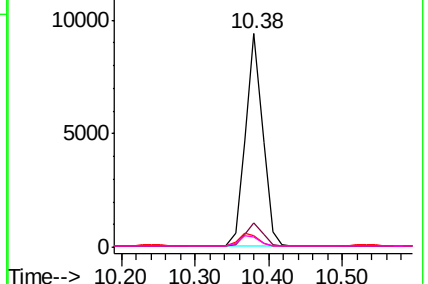
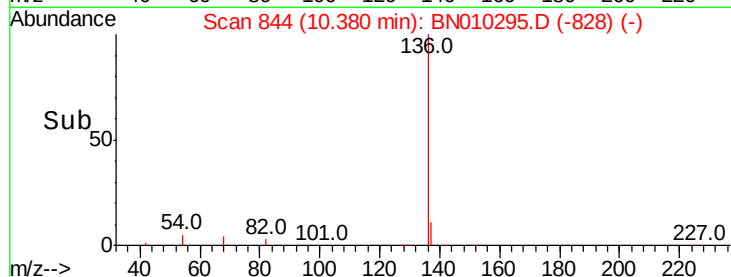


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.386 ng

RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

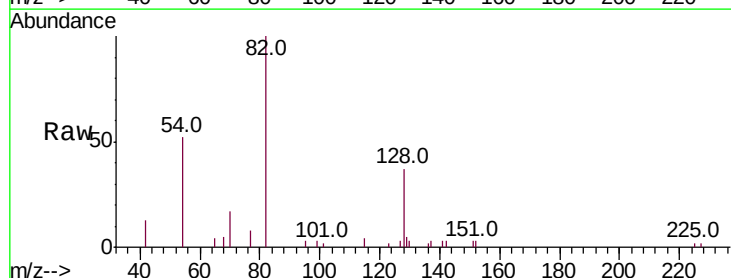
Tgt Ion: 82 Resp: 3736

Ion Ratio Lower Upper

82 100

128 36.7 28.8 43.2

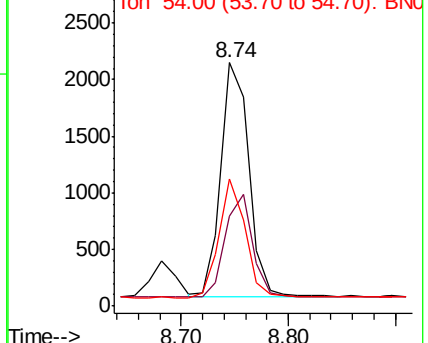
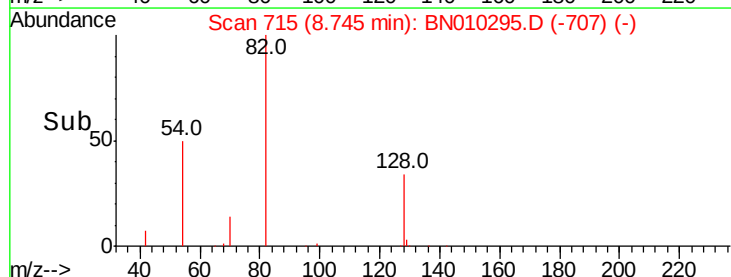
54 52.0 42.1 63.1

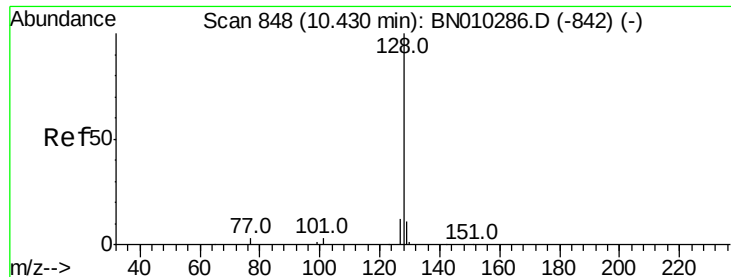


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.403 ng

RT: 10.43 min Scan# 848

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

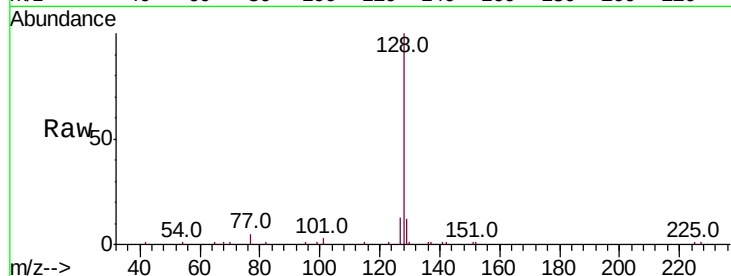
Tot Ion:128 Resp: 15186

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

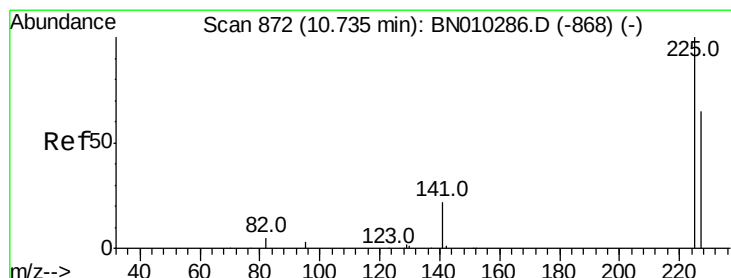
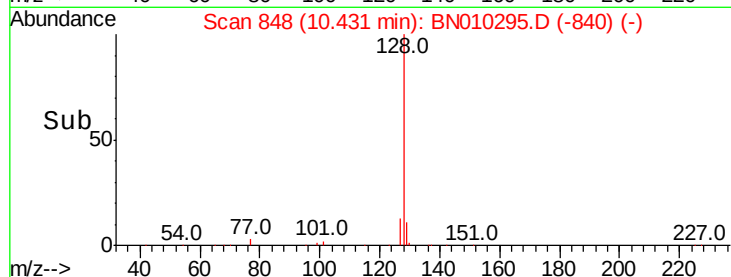
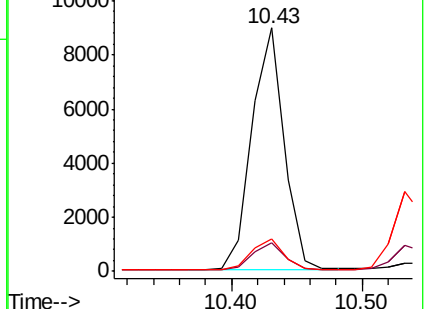
127 13.3 10.4 15.6



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: 0.403 ng

RT: 10.73 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

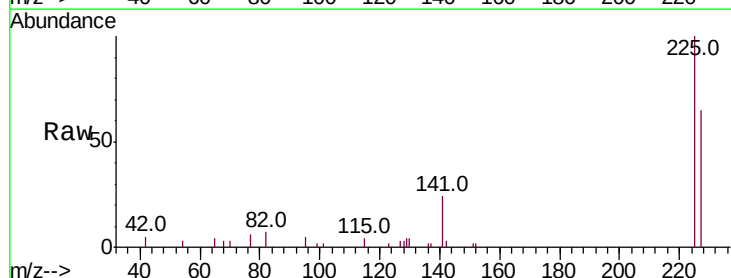
Tgt Ion:225 Resp: 3681

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

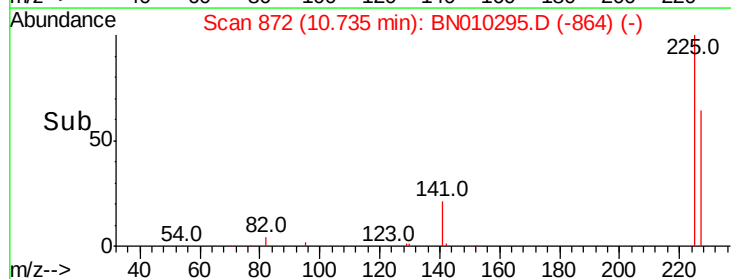
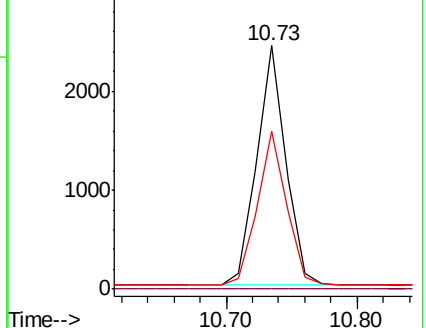
227 64.2 51.9 77.9

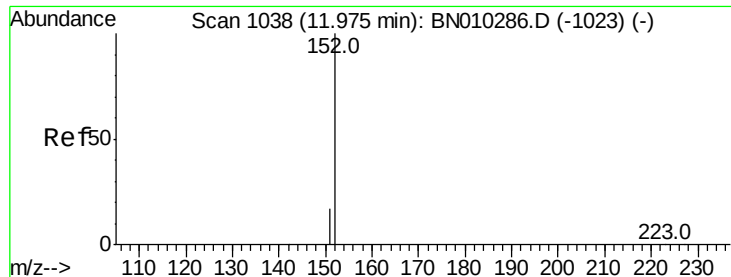


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

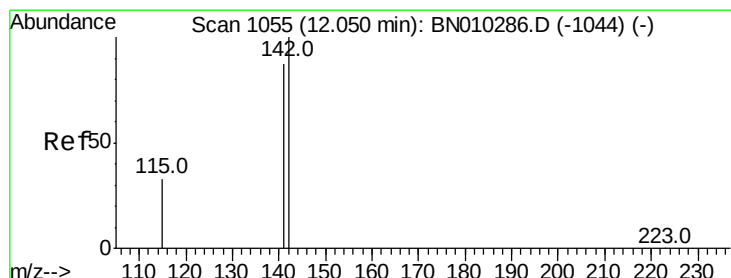
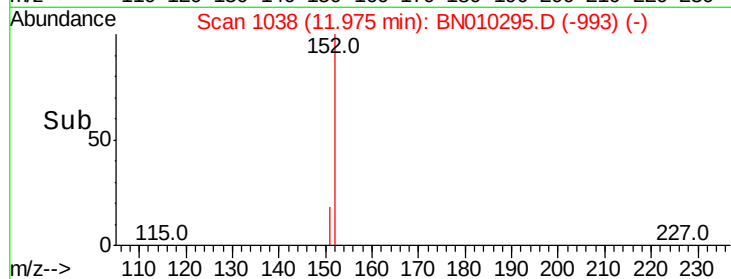
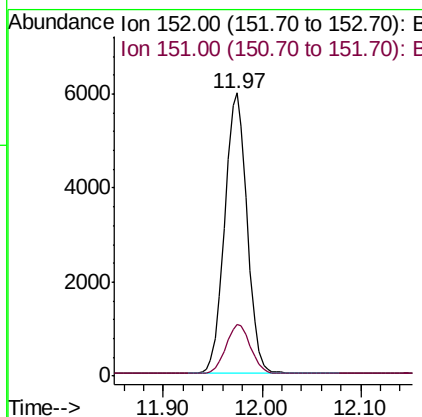
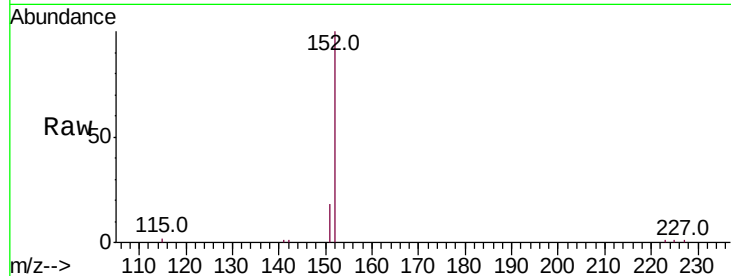




#11  
2-Methylnaphthalene-d10  
Concen: 0.391 ng  
RT: 11.97 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

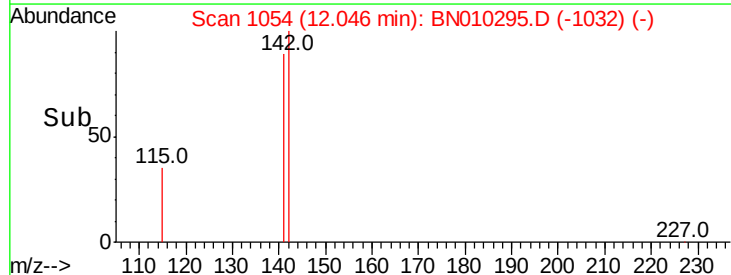
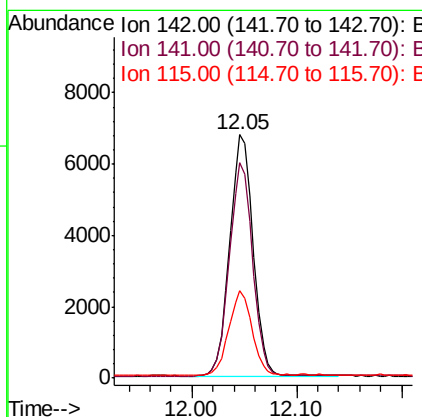
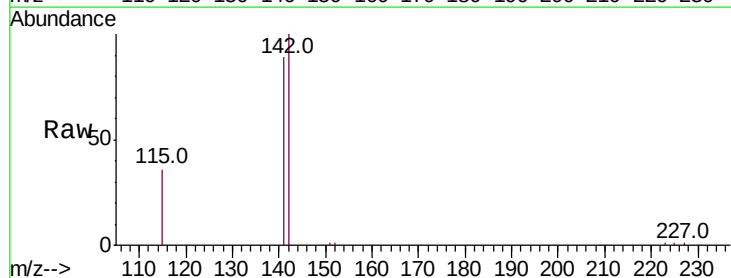
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 9431  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.4 23.2

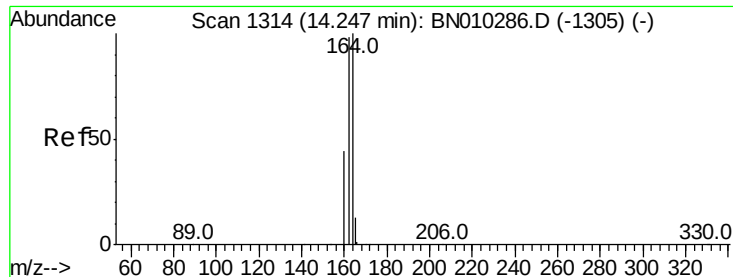


#12  
2-Methylnaphthalene  
Concen: 0.399 ng  
RT: 12.05 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

Tgt Ion:142 Resp: 10424  
Ion Ratio Lower Upper  
142 100  
141 88.8 69.5 104.3  
115 35.7 27.5 41.3







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

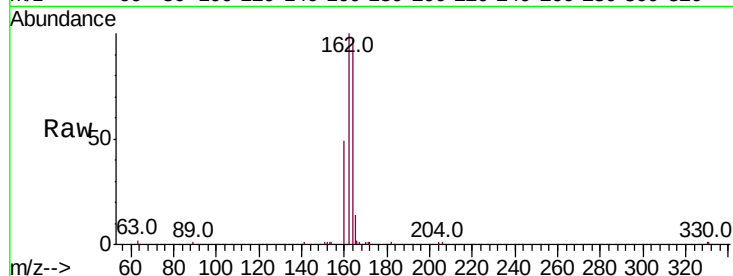
Tot Ion:164 Resp: 9093

Ion Ratio Lower Upper

164 100

162 102.9 78.2 117.2

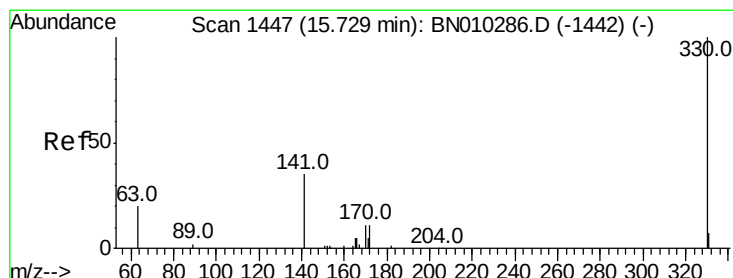
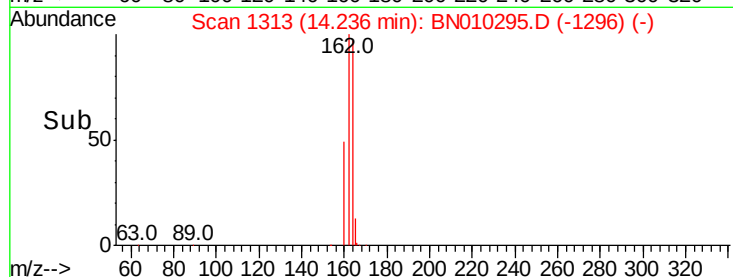
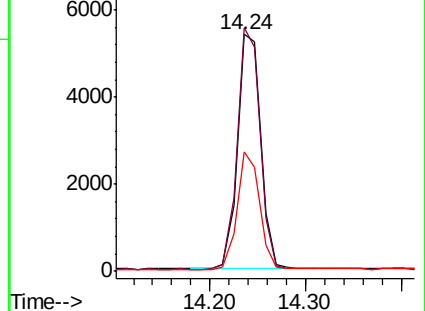
160 50.5 35.8 53.6



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: 0.355 ng

RT: 15.73 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

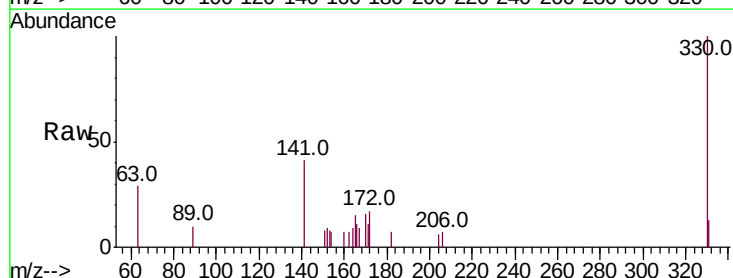
Tgt Ion:330 Resp: 1242

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

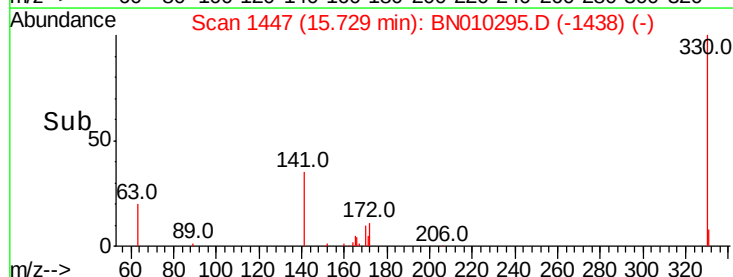
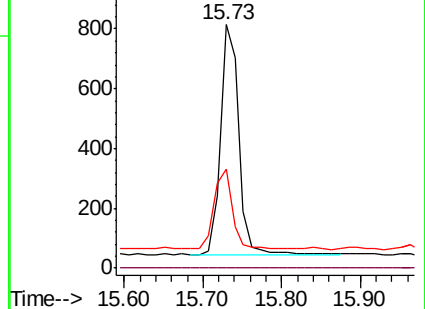
141 33.6 29.3 43.9

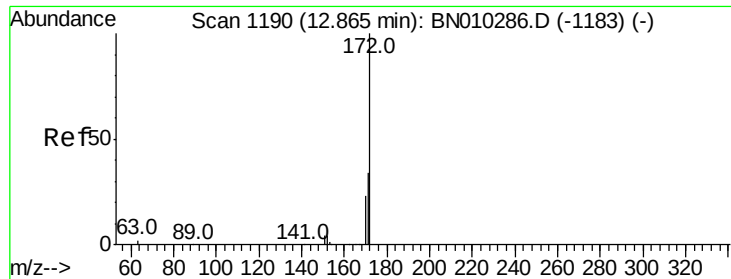


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

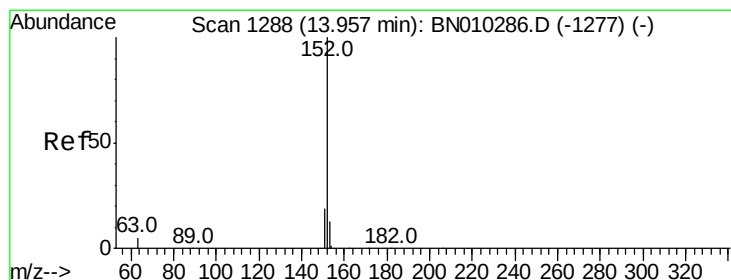
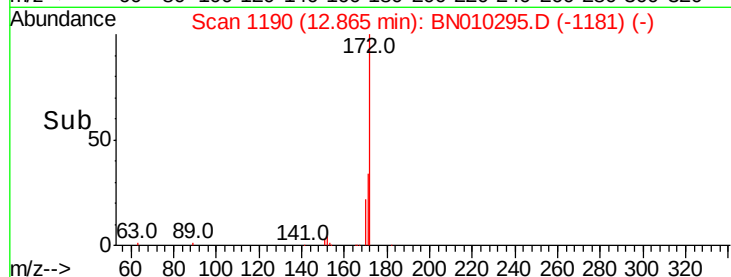
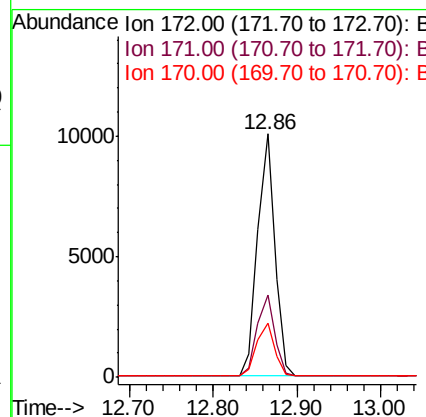
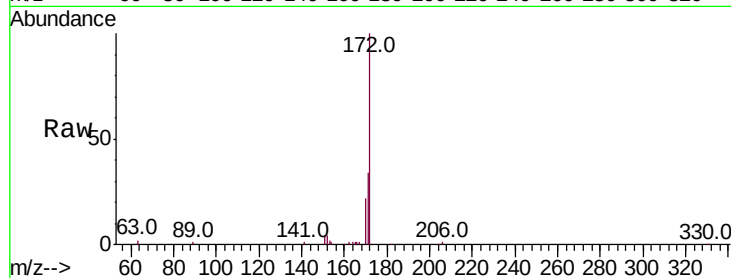




#15  
2-Fluorobiphenyl  
Concen: 0.415 ng  
RT: 12.86 min Scan# 1190  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

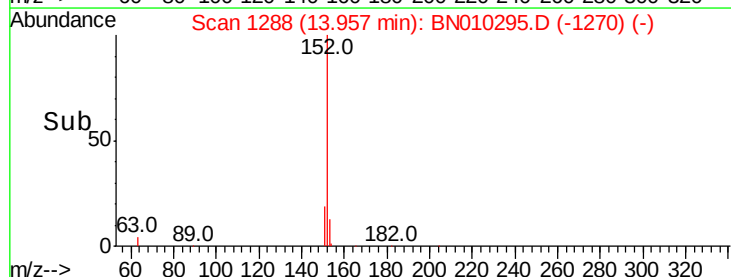
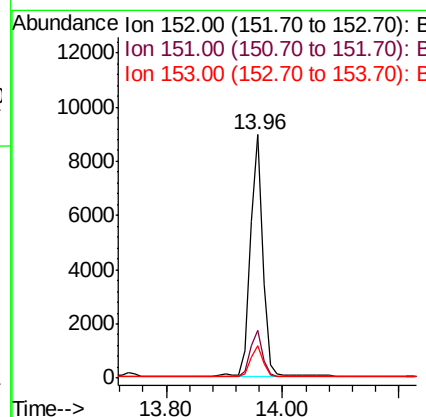
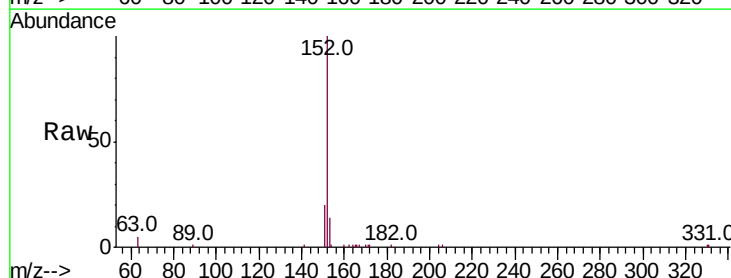
Instrument :  
BNA\_N  
ClientSampleId :

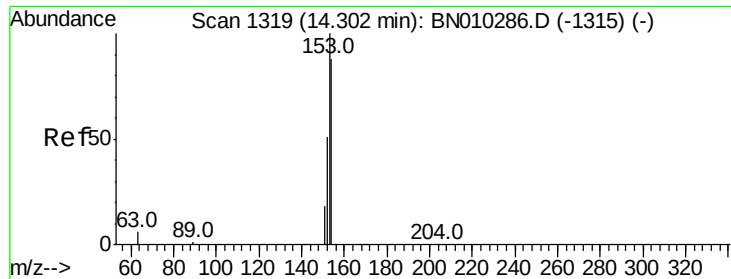
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 27.6  | 41.4  |
| 170     | 22.2  | 18.5  | 27.7  |



#16  
Acenaphthylene  
Concen: 0.377 ng  
RT: 13.96 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.6  | 23.4  |
| 153     | 12.9  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.30 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampled :

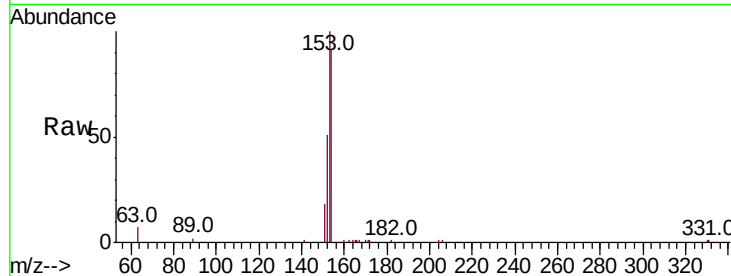
Tot Ion:154 Resp: 10023

Ion Ratio Lower Upper

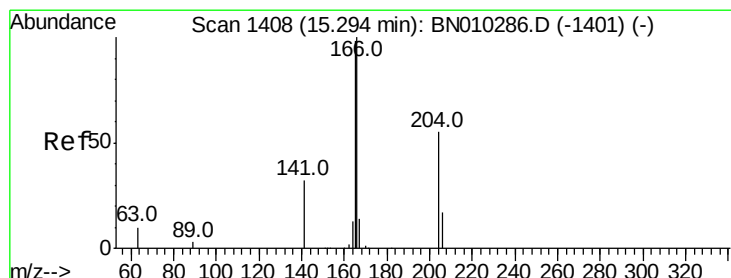
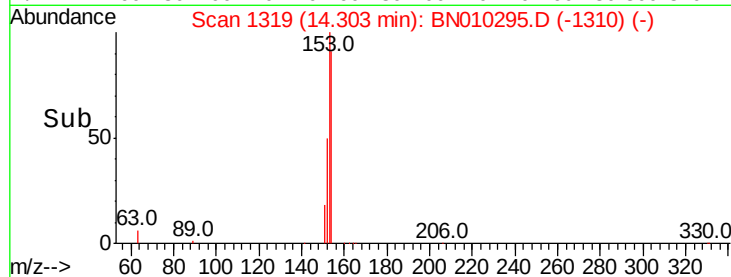
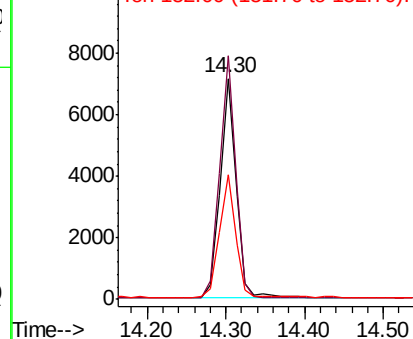
154 100

153 109.9 88.1 132.1

152 56.4 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: 0.388 ng

RT: 15.29 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

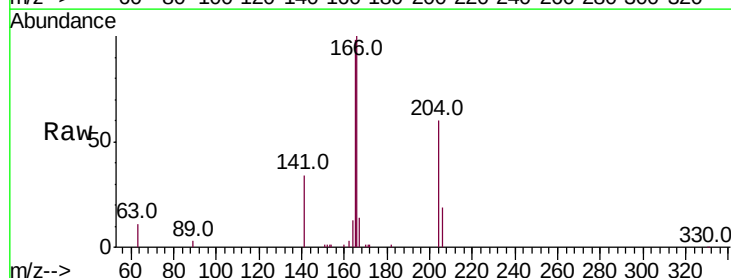
Tgt Ion:166 Resp: 13109

Ion Ratio Lower Upper

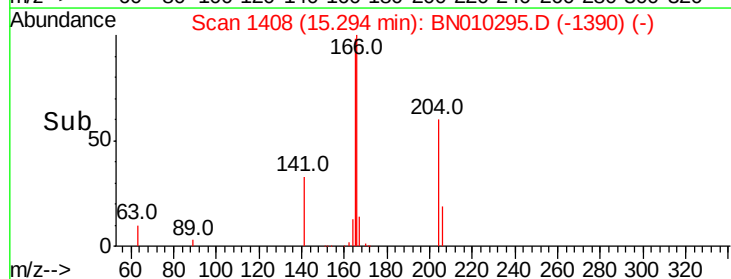
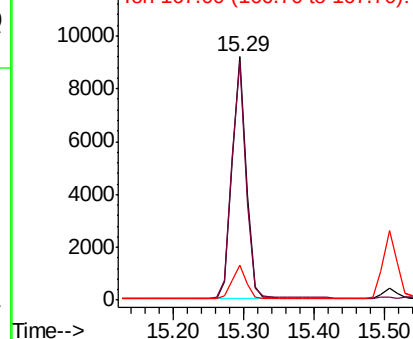
166 100

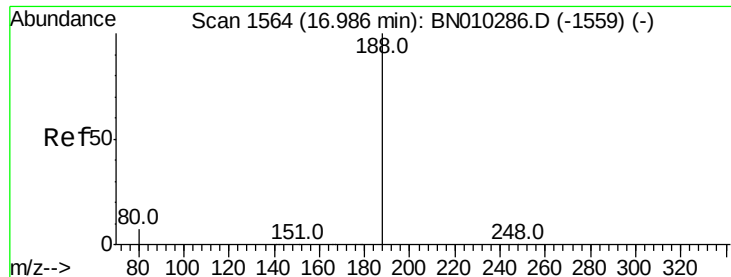
165 98.2 78.7 118.1

167 13.6 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: 16.99 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

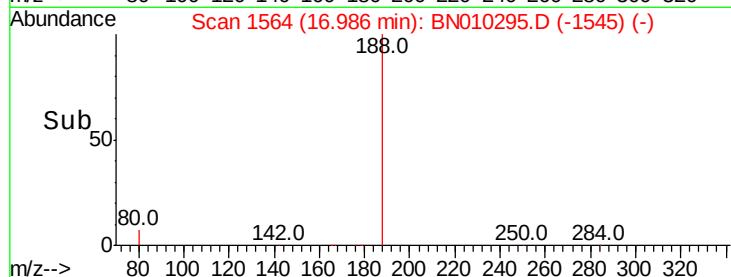
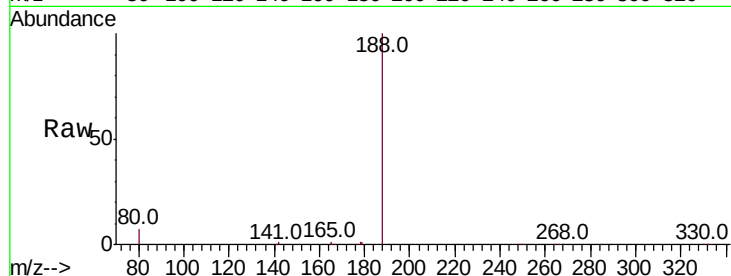
Tot Ion:188 Resp: 21139

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

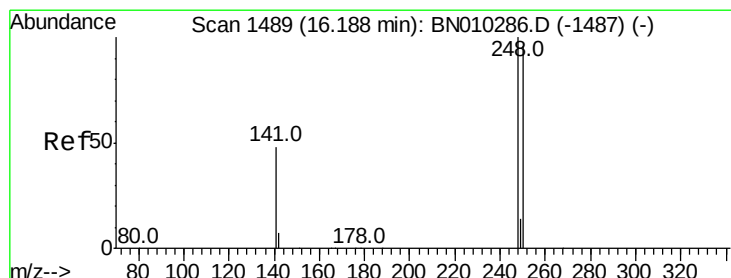
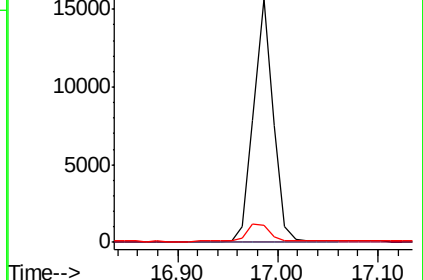
80 7.2 6.0 9.0



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: 0.394 ng

RT: 16.19 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

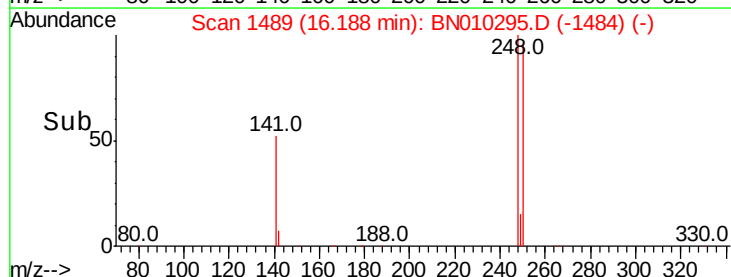
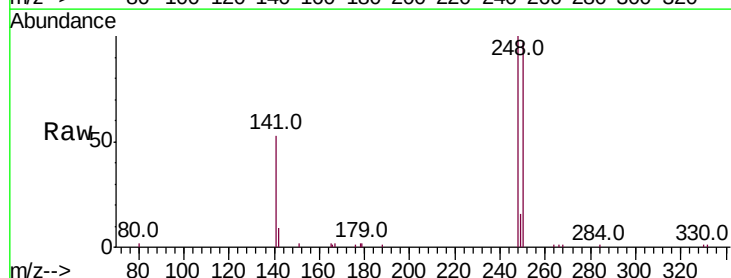
Tgt Ion:248 Resp: 5057

Ion Ratio Lower Upper

248 100

250 96.6 76.8 115.2

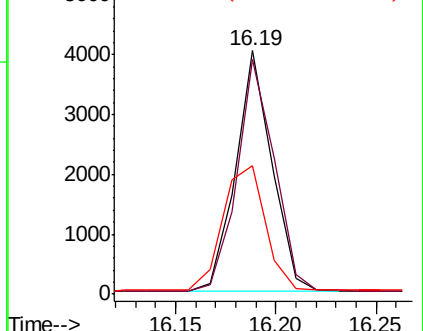
141 52.9 44.4 66.6

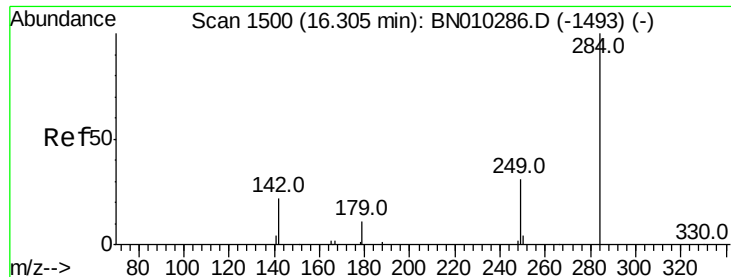


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.31 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

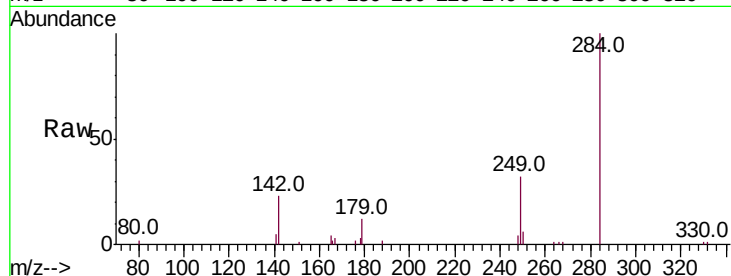
Tot Ion:284 Resp: 5344

Ion Ratio Lower Upper

284 100

142 34.2 27.4 41.2

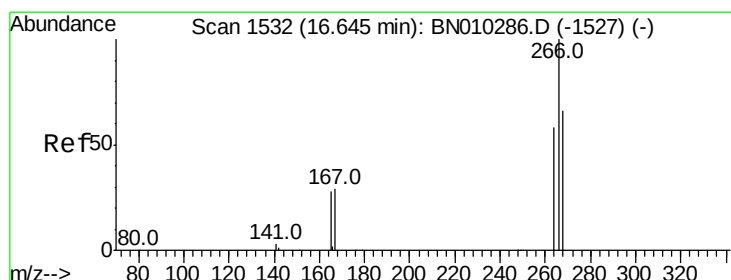
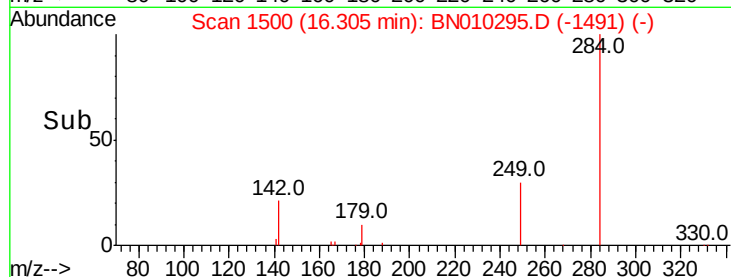
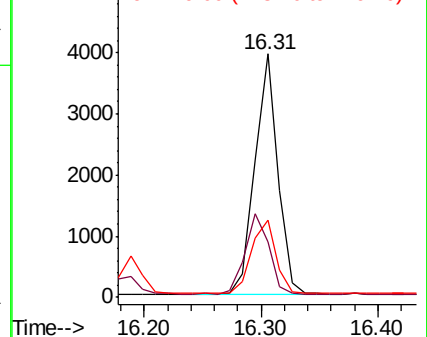
249 33.2 26.5 39.7



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: 0.331 ng

RT: 16.65 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

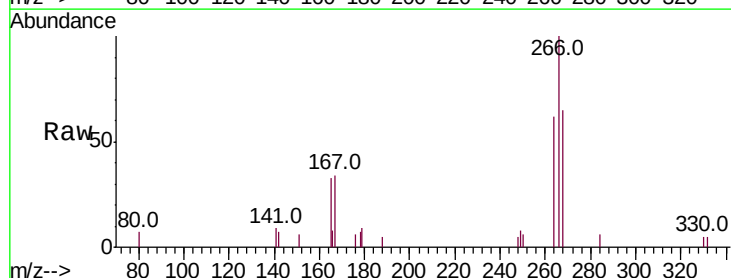
Tgt Ion:266 Resp: 1494

Ion Ratio Lower Upper

266 100

264 61.6 47.7 71.5

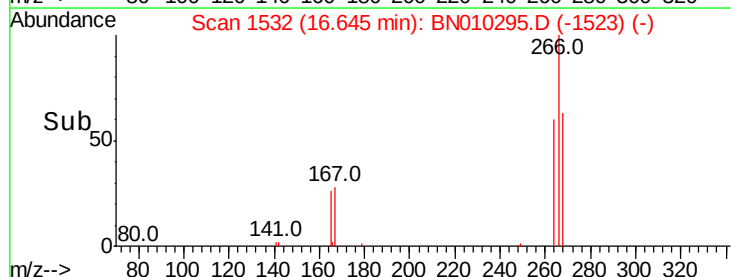
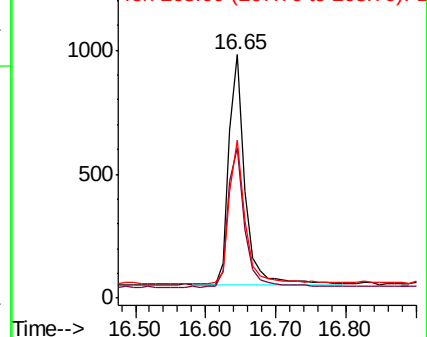
268 65.1 54.9 82.3

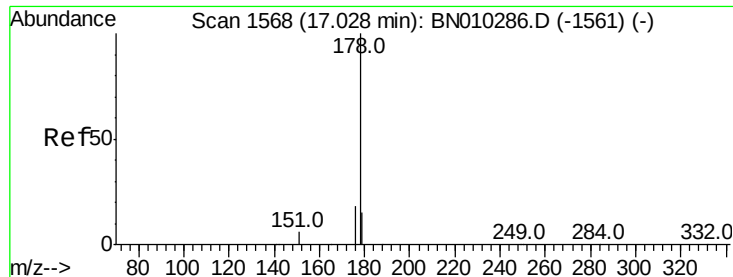


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.03 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

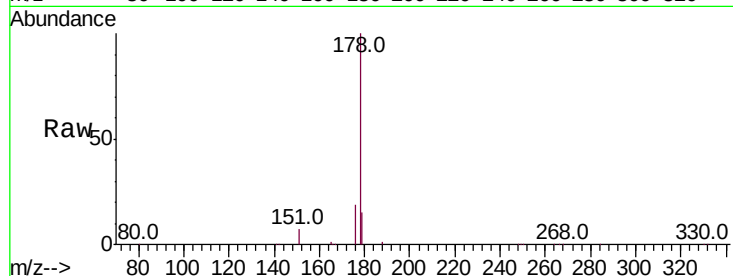
Tot Ion:178 Resp: 23229

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

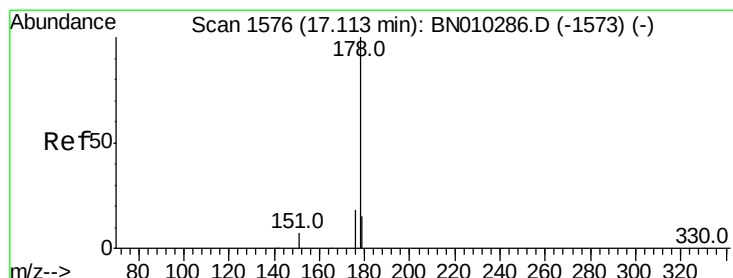
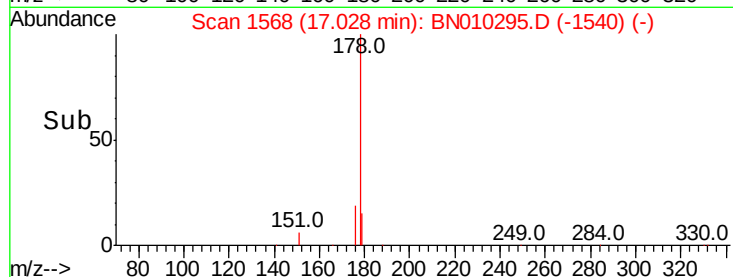
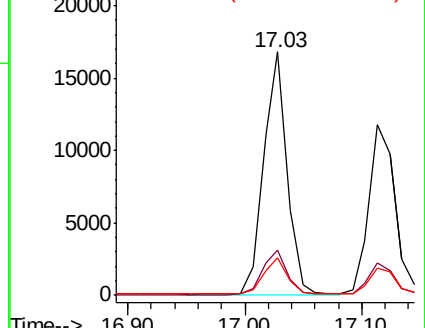
179 15.3 12.4 18.6



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: 0.378 ng

RT: 17.11 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

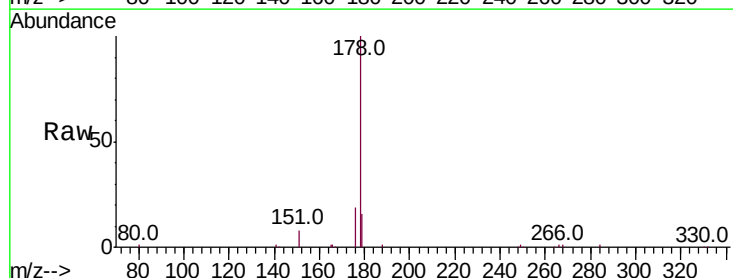
Tgt Ion:178 Resp: 18770

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

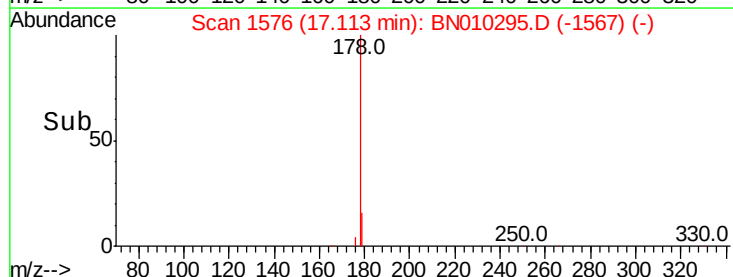
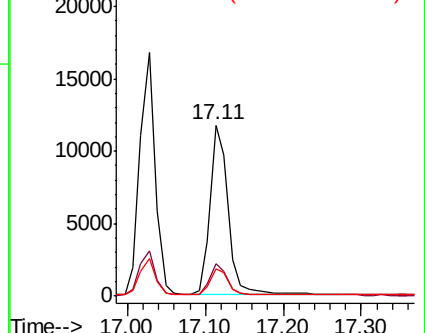
179 15.4 12.3 18.5

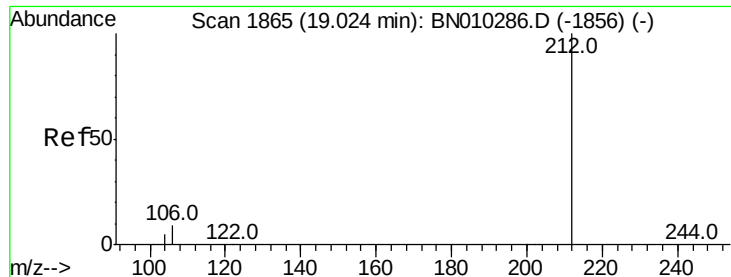


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.02 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

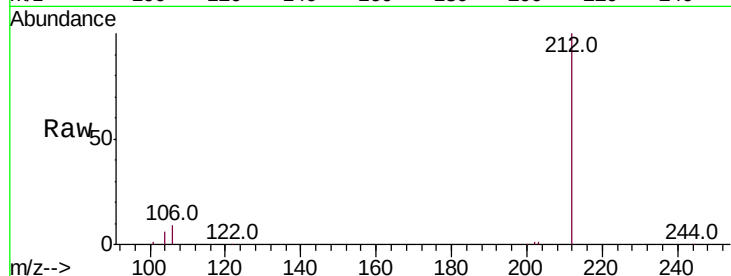
Tot Ion:212 Resp: 23998

Ion Ratio Lower Upper

212 100

106 9.4 7.4 11.2

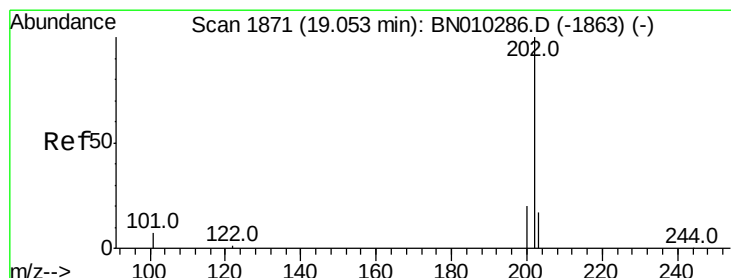
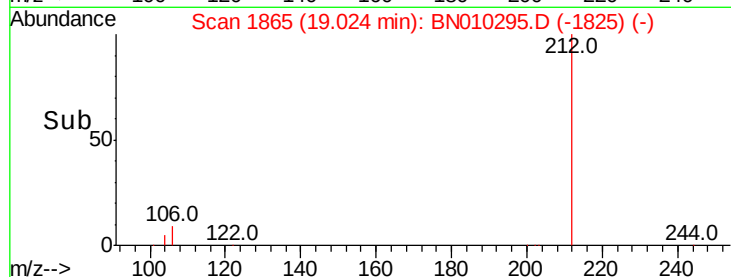
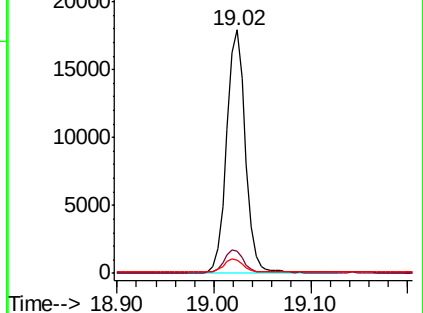
104 5.5 4.2 6.4



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# 1871

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

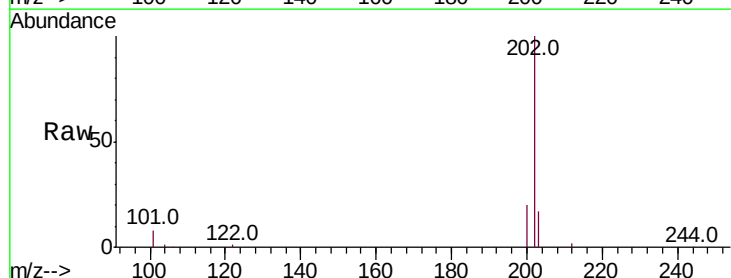
Tgt Ion:202 Resp: 27715

Ion Ratio Lower Upper

202 100

101 8.1 6.6 9.8

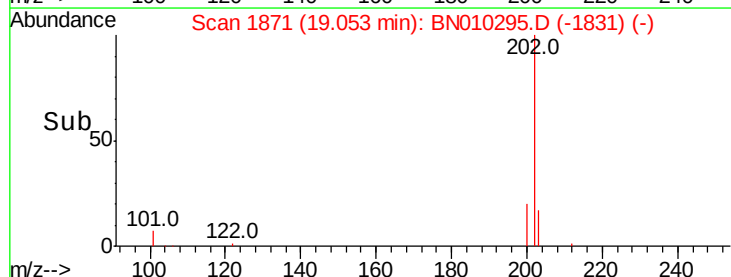
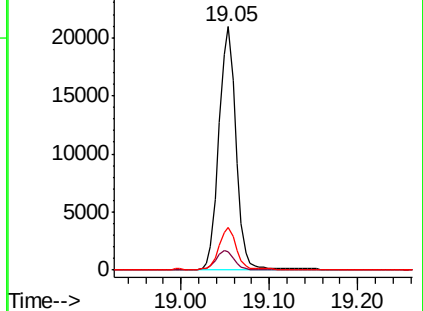
203 17.1 13.8 20.8

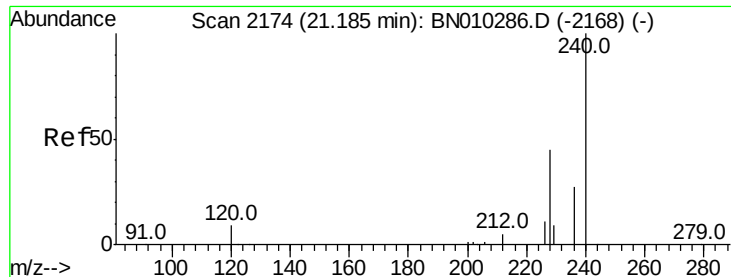


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2174

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

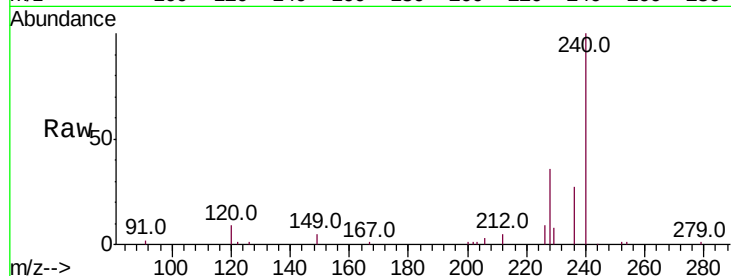
Tot Ion:240 Resp: 22820

Ion Ratio Lower Upper

240 100

120 8.6 7.9 11.9

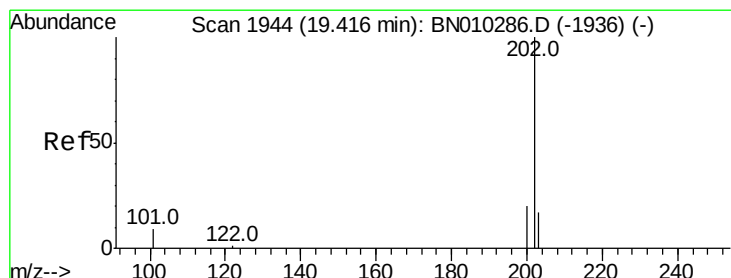
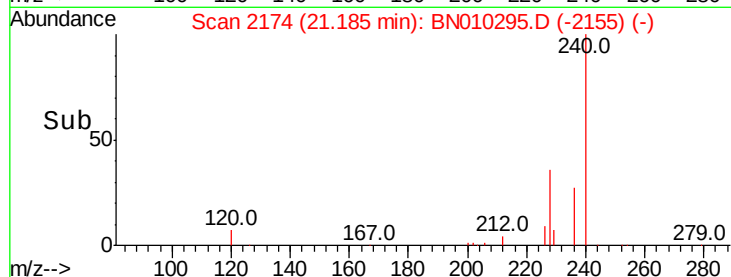
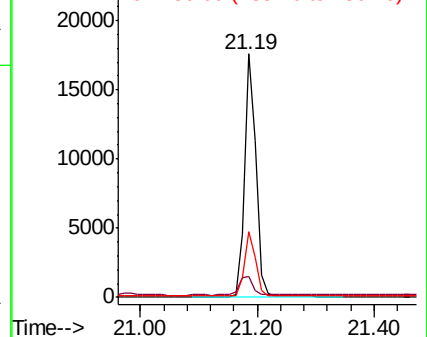
236 27.1 22.2 33.4



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: 0.391 ng

RT: 19.42 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

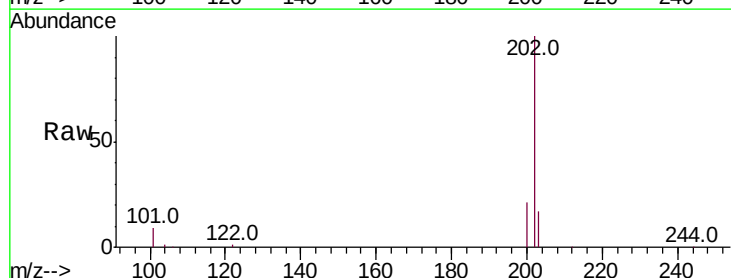
Tgt Ion:202 Resp: 27774

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

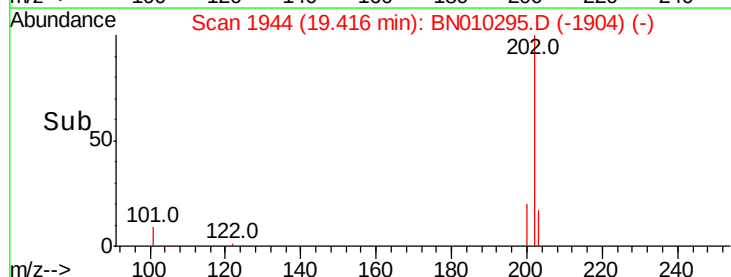
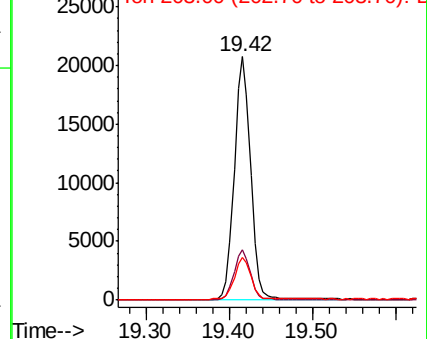
203 17.3 14.2 21.2



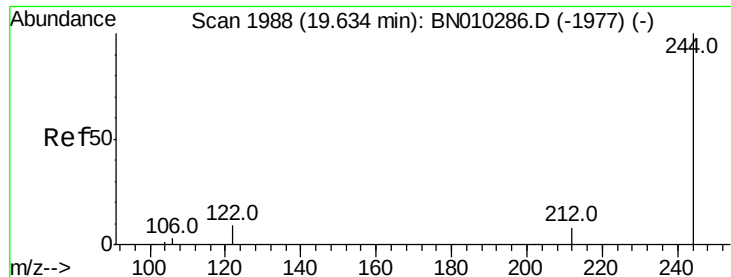
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.399 ng

RT: 19.63 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

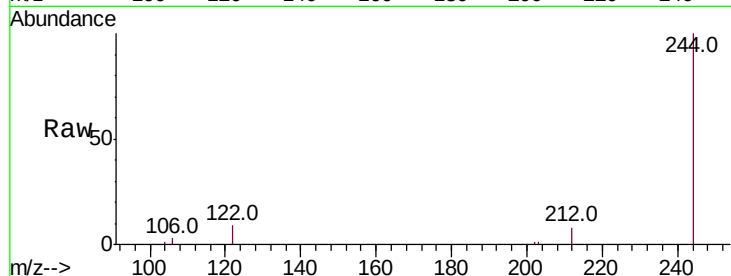
Tot Ion:244 Resp: 19663

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

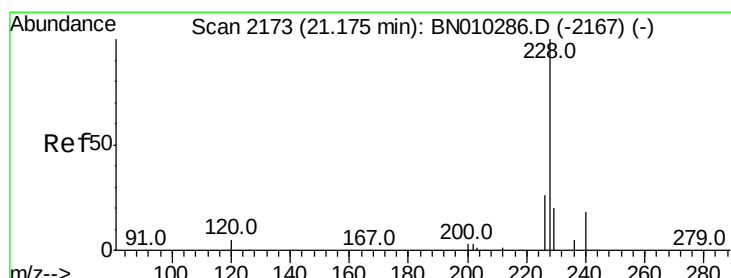
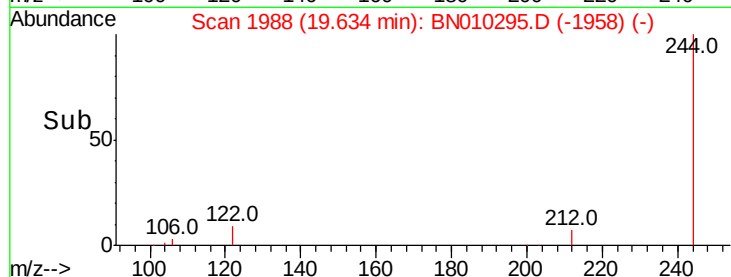
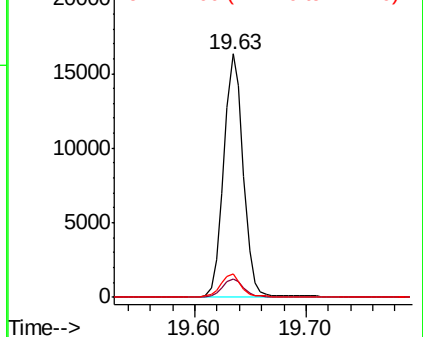
122 9.4 7.6 11.4



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# 2173

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

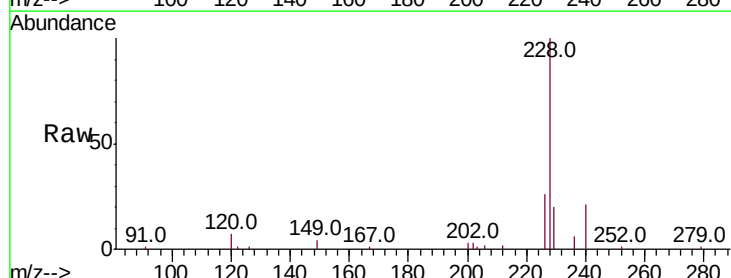
Tgt Ion:228 Resp: 28169

Ion Ratio Lower Upper

228 100

226 26.0 21.0 31.4

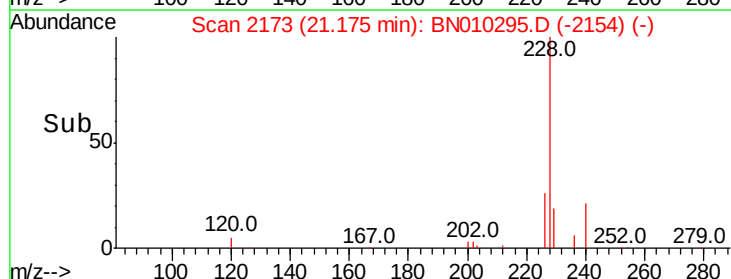
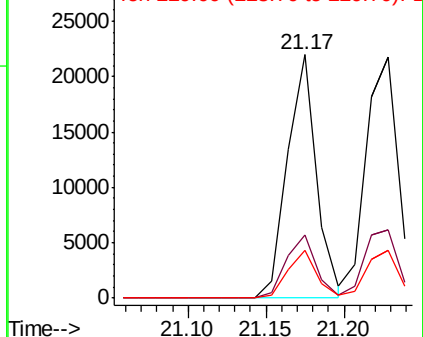
229 19.7 16.0 24.0

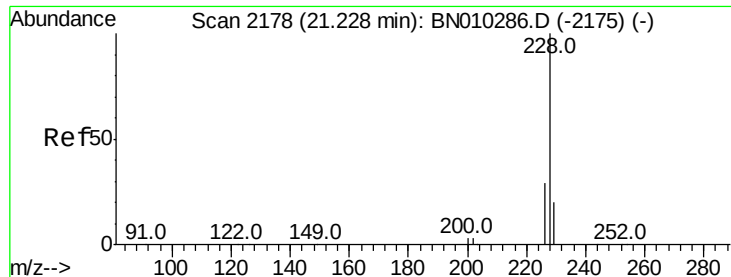


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.400 ng

RT: 21.23 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

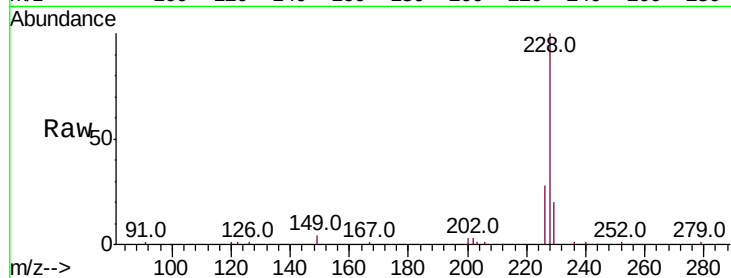
Instrument :

BNA\_N

ClientSampled :

Tot Ion:228 Resp: 31197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.5  | 23.0  | 34.6  |
| 229 | 19.7  | 16.0  | 24.0  |

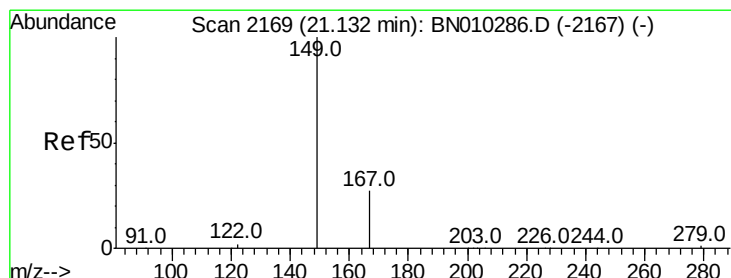
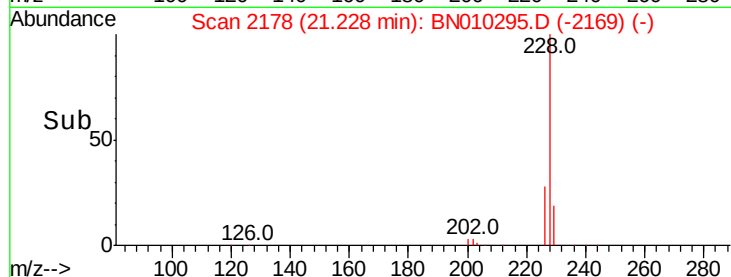
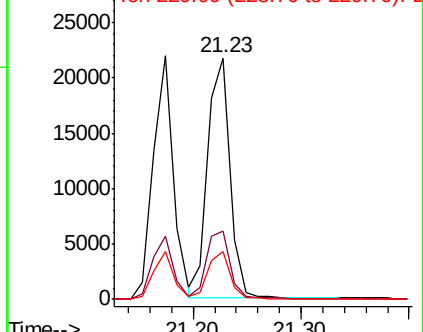


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.367 ng

RT: 21.13 min Scan# 2169

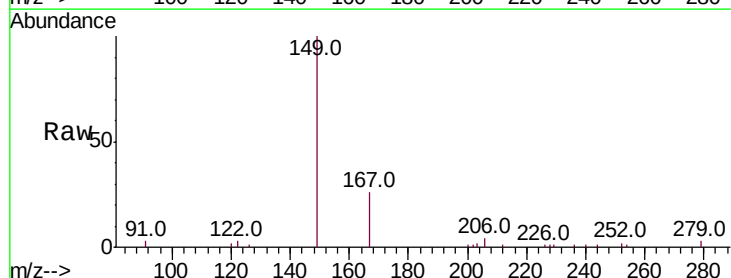
Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Tgt Ion:149 Resp: 9011

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.1  | 23.0  | 34.6  |
| 279 | 5.0   | 3.8   | 5.8   |

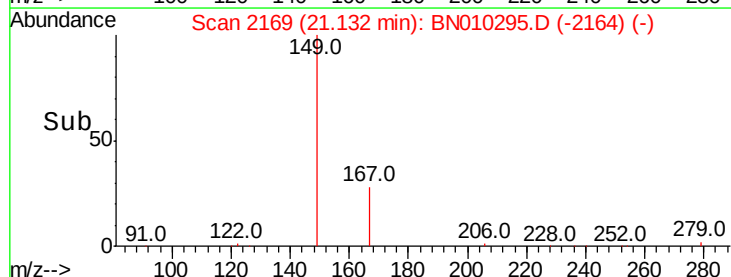
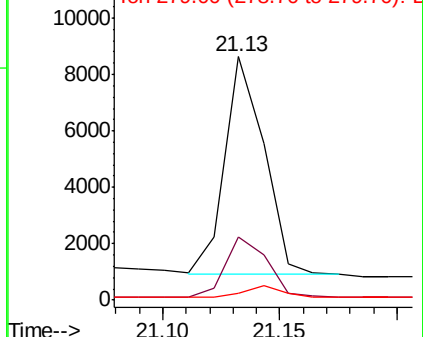


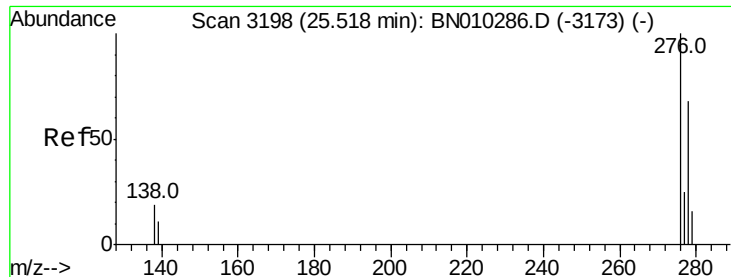
Abundance

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: 0.458 ng

RT: 25.51 min Scan# 3197

Delta R.T. -0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

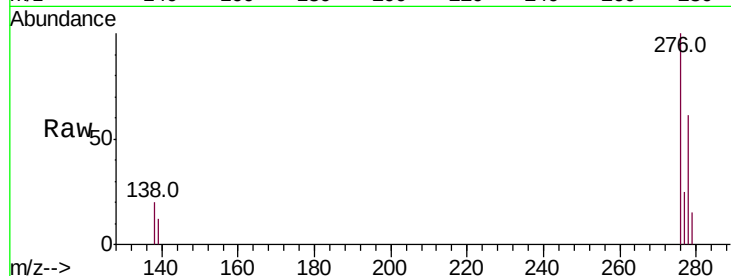
Tot Ion:276 Resp: 38249

Ion Ratio Lower Upper

276 100

138 20.1 15.6 23.4

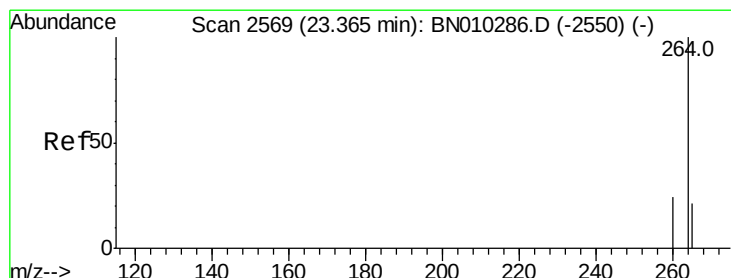
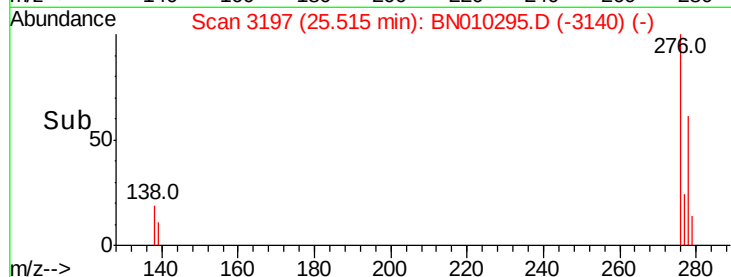
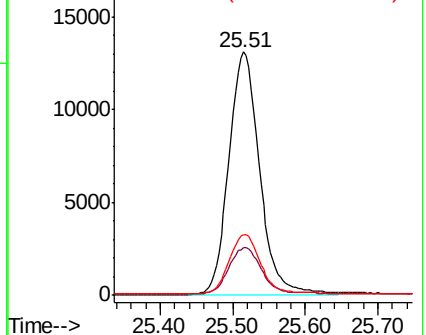
277 25.0 20.1 30.1



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: 23.37 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

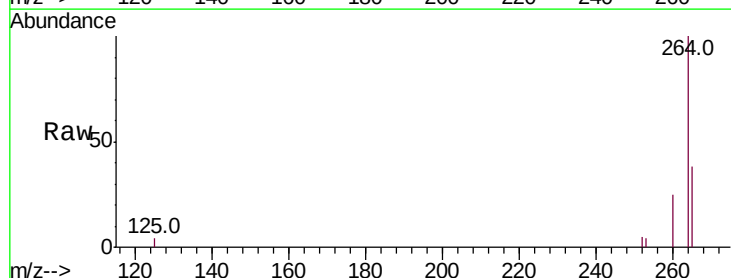
Tgt Ion:264 Resp: 25030

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

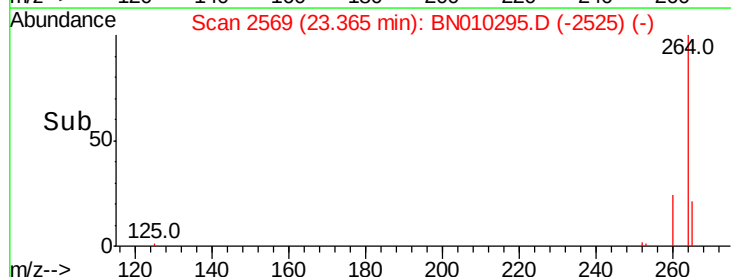
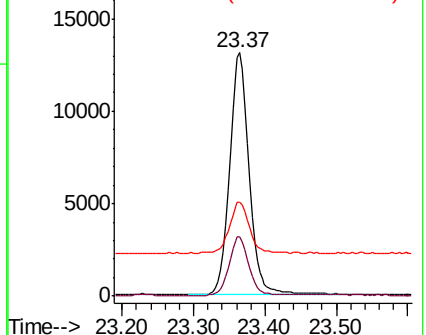
265 38.5 32.4 48.6

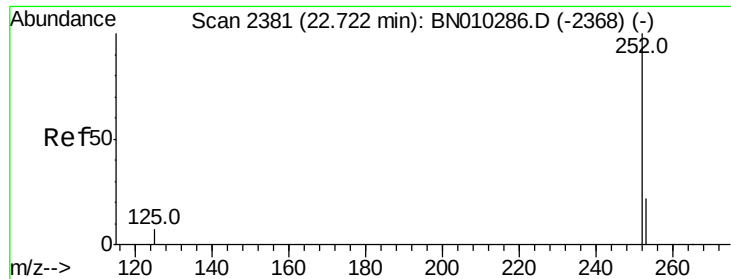


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.353 ng

RT: 22.72 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :

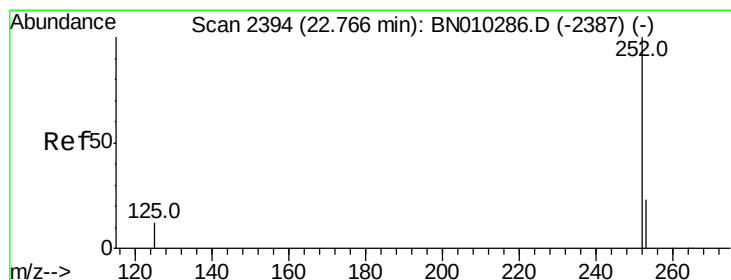
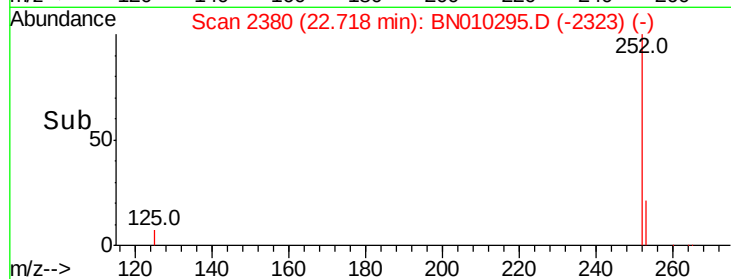
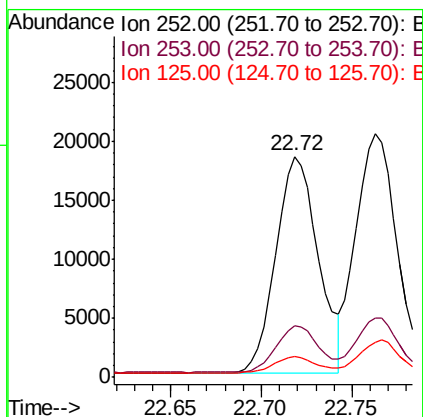
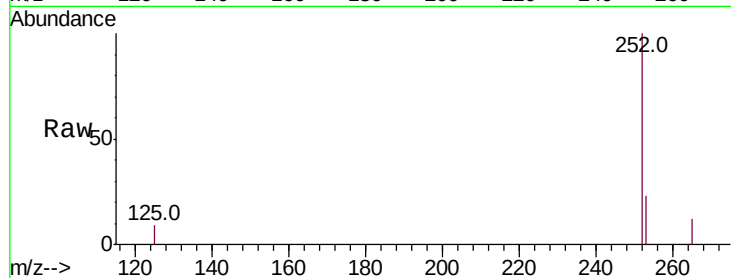
Tot Ion:252 Resp: 30000

Ion Ratio Lower Upper

252 100

253 23.2 19.2 28.8

125 9.2 7.4 11.0



#36

Benzo(k)fluoranthene

Concen: 0.380 ng

RT: 22.76 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

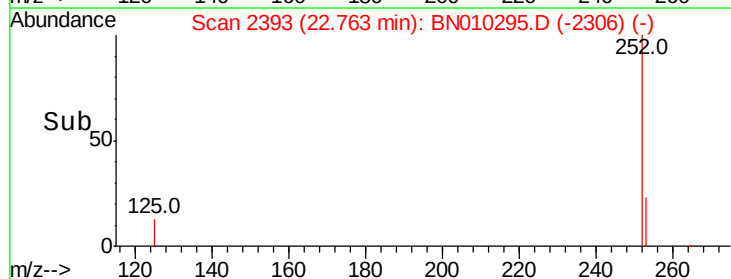
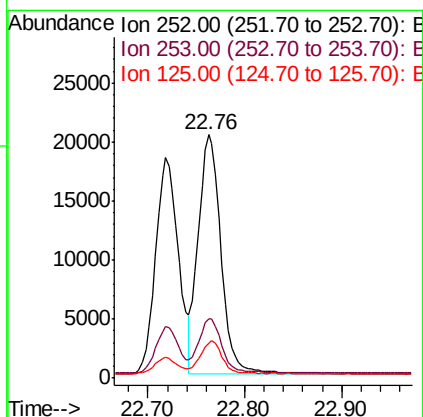
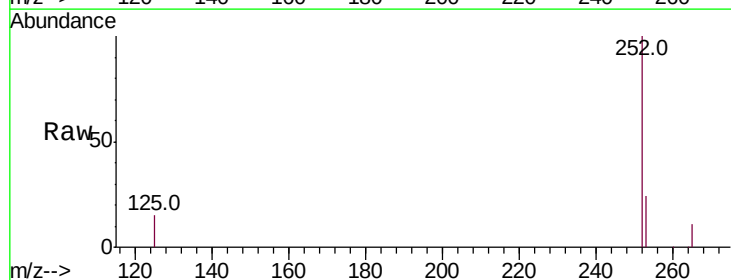
Tgt Ion:252 Resp: 32878

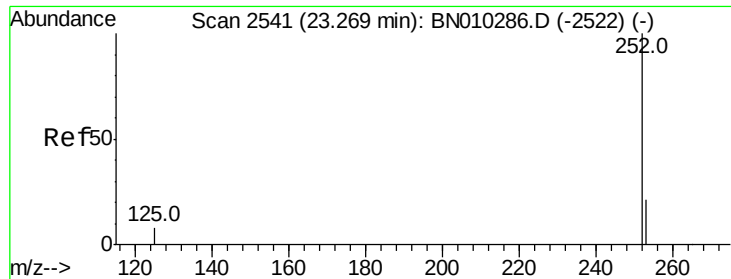
Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.0

125 14.6 10.2 15.2

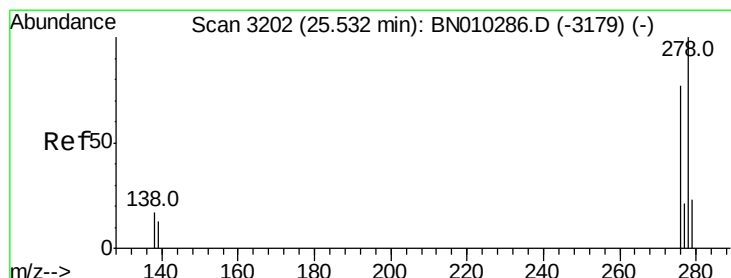
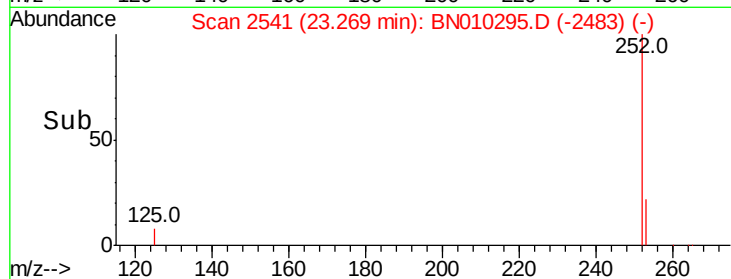
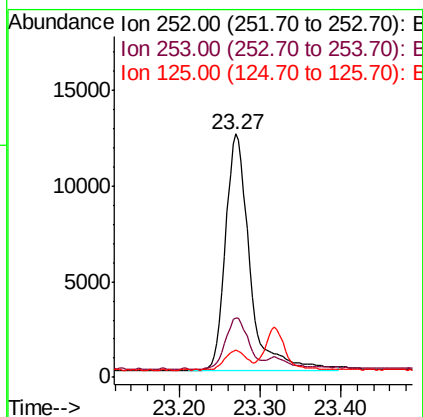
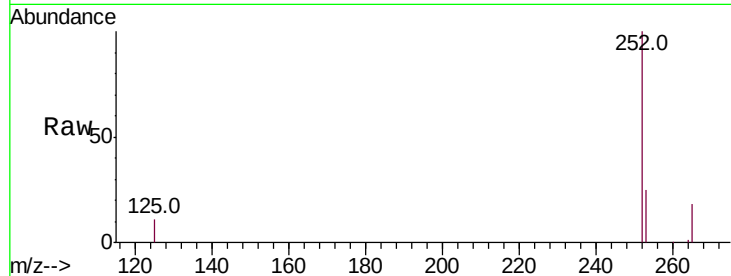




#37  
Benzo(a)pyrene  
Concen: 0.364 ng  
RT: 23.27 min Scan# 2541  
Delta R.T. 0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

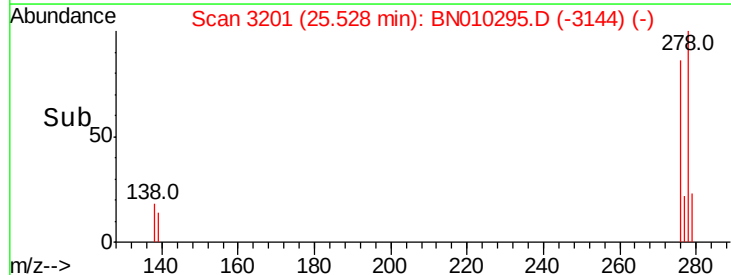
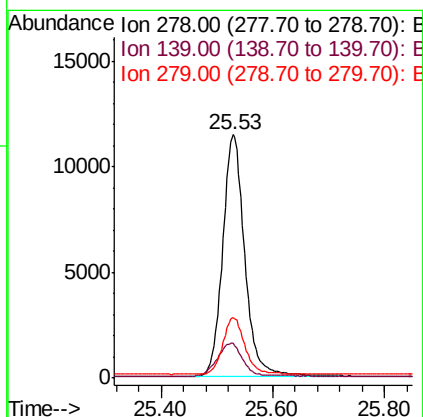
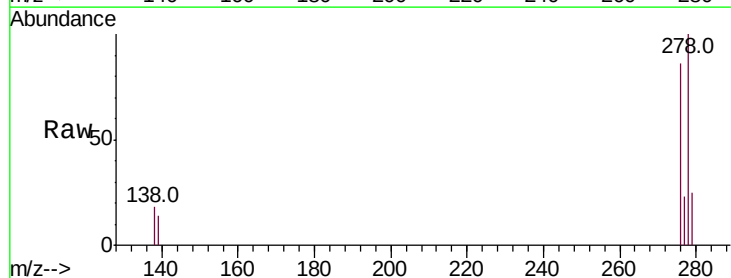
Instrument :  
BNA\_N  
ClientSampleId :

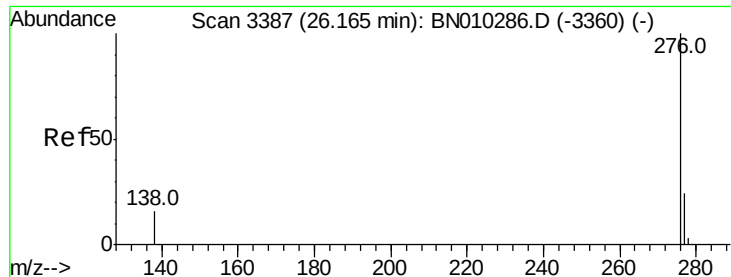
Tot Ion:252 Resp: 26086  
Ion Ratio Lower Upper  
252 100  
253 24.5 19.9 29.9  
125 11.1 8.9 13.3



#38  
Dibenzo(a,h)anthracene  
Concen: 0.407 ng  
RT: 25.53 min Scan# 3201  
Delta R.T. -0.00 min  
Lab File: BN010295.D  
Acq: 19 Mar 2020 19:15

Tgt Ion:278 Resp: 31559  
Ion Ratio Lower Upper  
278 100  
139 14.2 10.6 16.0  
279 24.9 19.8 29.6





#39

Benzo(a,h,i)perylene

Concen: 0.373 ng

RT: 26.17 min Scan# 3387

Delta R.T. 0.00 min

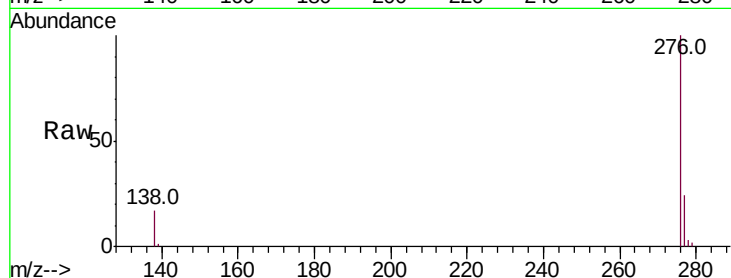
Lab File: BN010295.D

Acq: 19 Mar 2020 19:15

Instrument :

BNA\_N

ClientSampleId :



Tot Ion:276 Resp: 29116

Ion Ratio Lower Upper

276 100

277 24.0 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

