

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051220\  
 Data File : BN010698.D  
 Acq On : 12 May 2020 13:47  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: May 12 14:17:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 10:58:34 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 3395     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 13195    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.20 | 164  | 8024     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 16883    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.15 | 240  | 13920    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.32 | 264  | 13128    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.22  | 112 | 2704  | 0.36 | ng | 0.00  |
| 5) Phenol-d6                | 6.77  | 99  | 3310  | 0.34 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.71  | 82  | 3639  | 0.39 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.93 | 152 | 8440  | 0.39 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.71 | 330 | 1062  | 0.28 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.82 | 172 | 11708 | 0.40 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.99 | 212 | 17570 | 0.34 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.60 | 244 | 13172 | 0.41 | ng | 0.00  |

|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.24  | 88  | 1154  | 0.462  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 707   | 0.436  | ng | # 80  |
| 6) bis(2-Chloroethyl)ether     | 7.02  | 93  | 3544  | 0.421  | ng | 98    |
| 9) Naphthalene                 | 10.38 | 128 | 13184 | 0.402  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.68 | 225 | 3074  | 0.389  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.00 | 142 | 9121  | 0.387  | ng | 98    |
| 16) Acenaphthylene             | 13.91 | 152 | 12344 | 0.356  | ng | 100   |
| 17) Acenaphthene               | 14.27 | 154 | 8687  | 0.390  | ng | 99    |
| 18) Fluorene                   | 15.26 | 166 | 11217 | 0.385  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.16 | 248 | 3590  | 0.383  | ng | # 83  |
| 21) Hexachlorobenzene          | 16.27 | 284 | 4405  | 0.411  | ng | 97    |
| 22) Pentachlorophenol          | 16.62 | 266 | 1219  | 0.289  | ng | 97    |
| 23) Phenanthrene               | 17.00 | 178 | 17482 | 0.383  | ng | 100   |
| 24) Anthracene                 | 17.09 | 178 | 14287 | 0.343  | ng | 100   |
| 26) Fluoranthene               | 19.02 | 202 | 19750 | 0.348  | ng | 99    |
| 28) Pyrene                     | 19.39 | 202 | 19645 | 0.419  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.14 | 228 | 16146 | 0.356  | ng | 99    |
| 31) Chrysene                   | 21.20 | 228 | 17707 | 0.391  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 6848  | 0.294  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.47 | 276 | 15942 | 0.399  | ng | 98    |
| 35) Benzo(b)fluoranthene       | 22.68 | 252 | 16738 | 0.387  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 22.73 | 252 | 18239 | 0.421  | ng | 97    |
| 37) Benzo(a)pyrene             | 23.23 | 252 | 14417 | 0.377  | ng | # 94  |
| 38) Dibenzo(a,h)anthracene     | 25.48 | 278 | 12700 | 0.363  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 26.11 | 276 | 14263 | 0.405  | ng | 99    |

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



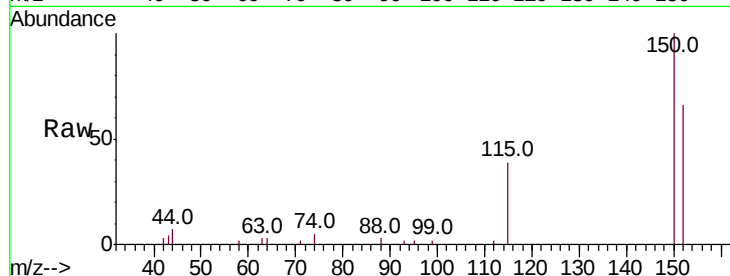


#1

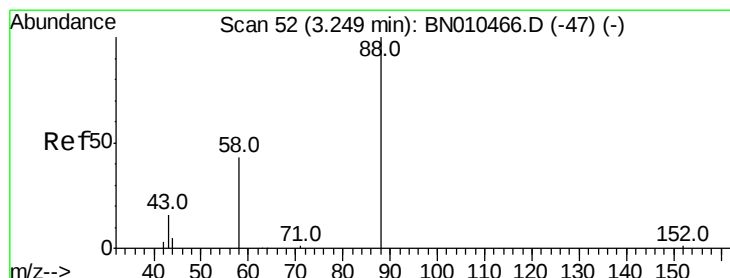
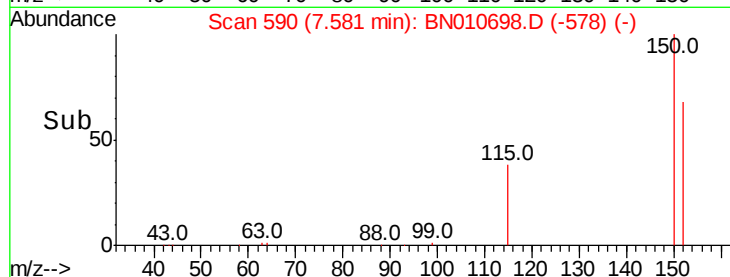
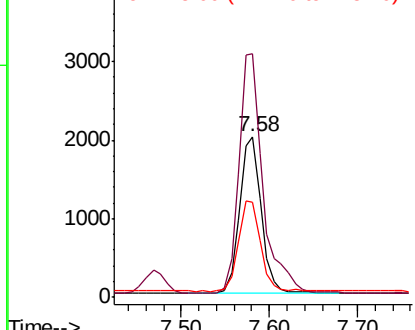
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.58 min Scan# 590  
Delta R.T. 0.00 min  
Lab File: BN010698.D  
Acq: 12 May 2020 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 3395  
Ion Ratio Lower Upper  
152 100  
150 151.4 121.8 182.6  
115 58.8 45.5 68.3



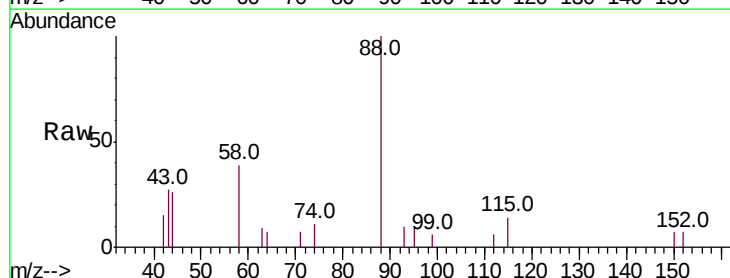
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



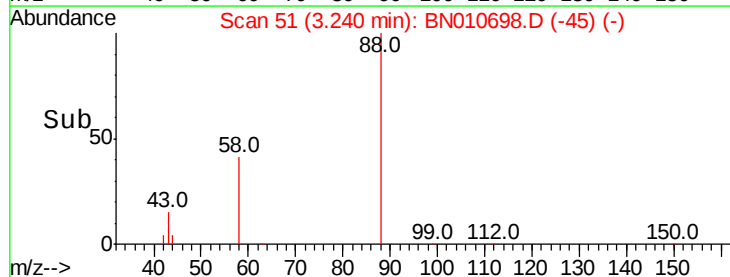
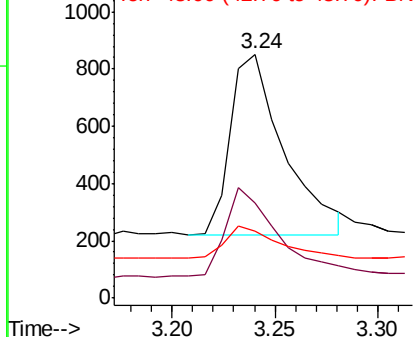
#2

1,4-Dioxane  
Concen: 0.462 ng  
RT: 3.24 min Scan# 51  
Delta R.T. 0.00 min  
Lab File: BN010698.D  
Acq: 12 May 2020 13:47

Tgt Ion: 88 Resp: 1154  
Ion Ratio Lower Upper  
88 100  
58 46.6 36.5 54.7  
43 17.7 13.2 19.8



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



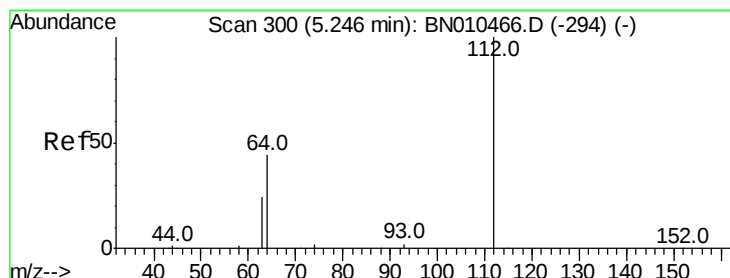
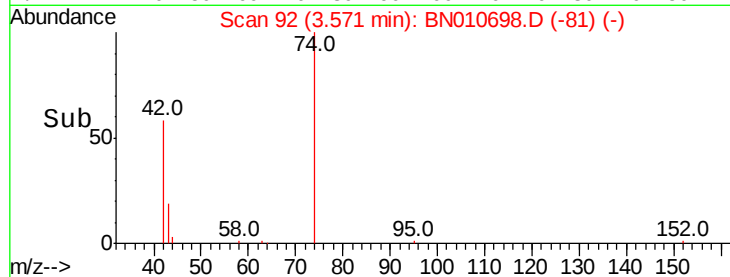
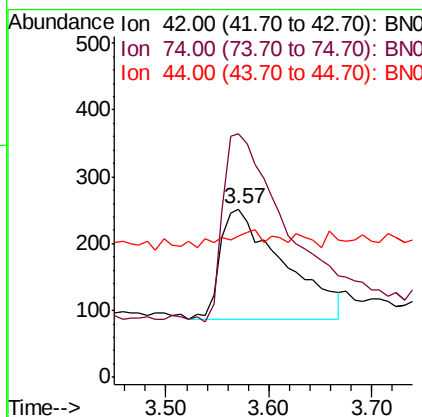
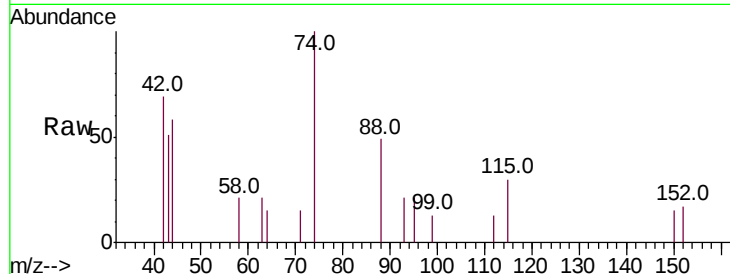


#3

n-Nitrosodimethylamine  
 Concen: 0.436 ng  
 RT: 3.57 min Scan# 92  
 Delta R.T. -0.01 min  
 Lab File: BN010698.D  
 Acq: 12 May 2020 13:47

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

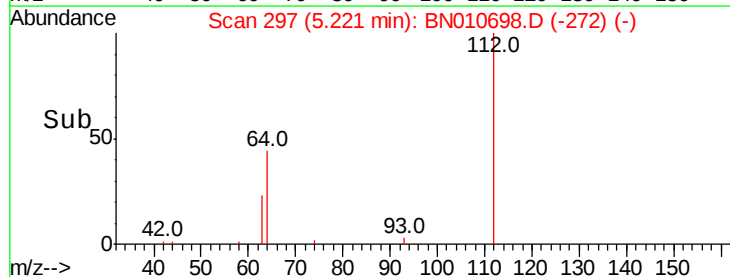
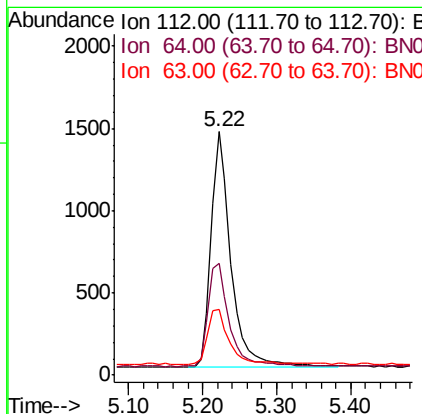
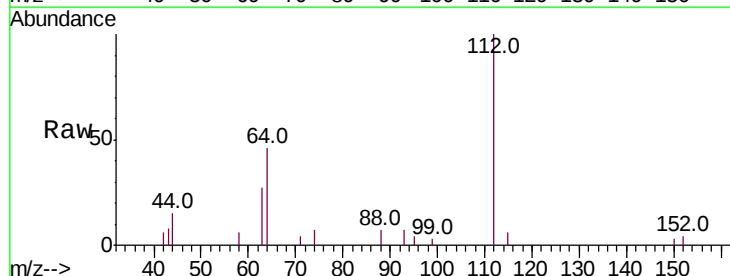
Tot Ion: 42 Resp: 707  
 Ion Ratio Lower Upper  
 42 100  
 74 172.8 162.2 243.4  
 44 10.6 2.4 3.6#

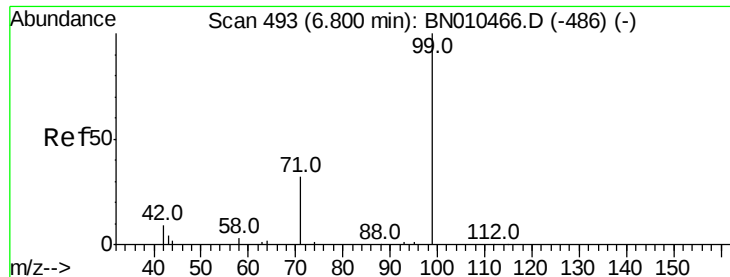


#4

2-Fluorophenol  
 Concen: 0.364 ng  
 RT: 5.22 min Scan# 297  
 Delta R.T. 0.00 min  
 Lab File: BN010698.D  
 Acq: 12 May 2020 13:47

Tgt Ion: 112 Resp: 2704  
 Ion Ratio Lower Upper  
 112 100  
 64 46.6 35.8 53.8  
 63 24.7 19.9 29.9





#5

Phenol-d6

Concen: 0.341 ng

RT: 6.77 min Scan# 489

Delta R.T. -0.01 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

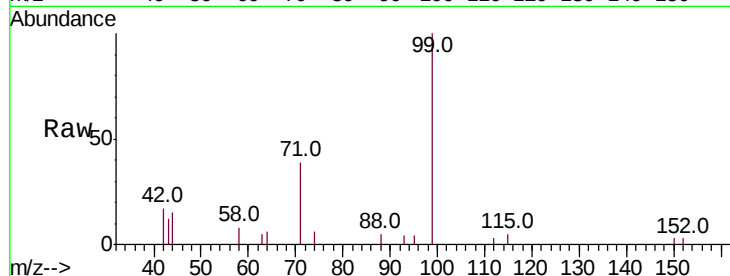
Tot Ion: 99 Resp: 3310

Ion Ratio Lower Upper

99 100

42 12.8 9.8 14.6

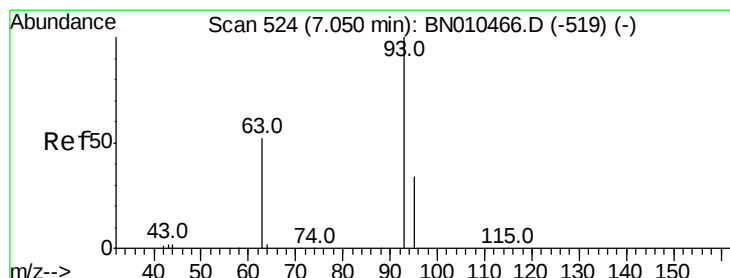
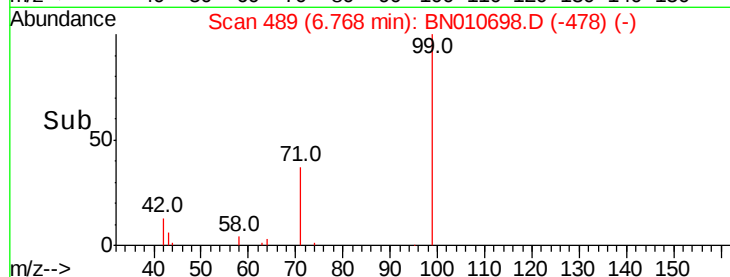
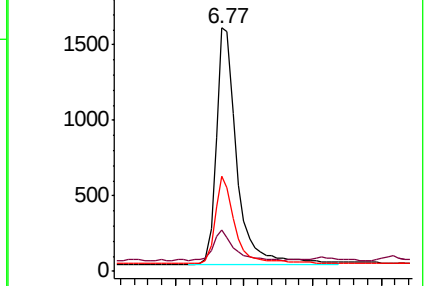
71 35.5 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.421 ng

RT: 7.02 min Scan# 520

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

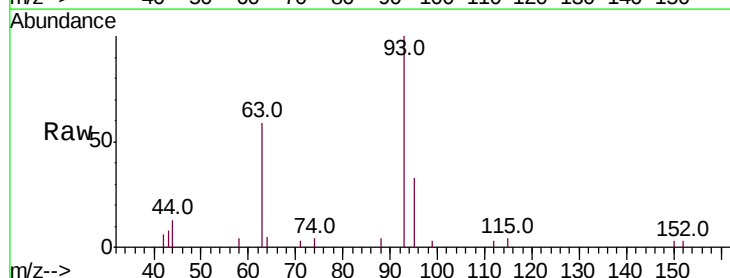
Tgt Ion: 93 Resp: 3544

Ion Ratio Lower Upper

93 100

63 54.6 44.6 66.8

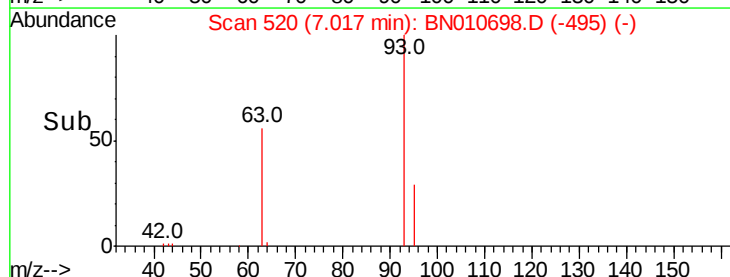
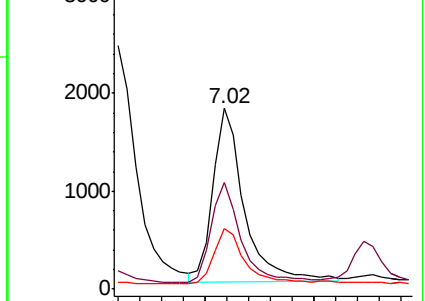
95 31.2 26.5 39.7



Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 13195

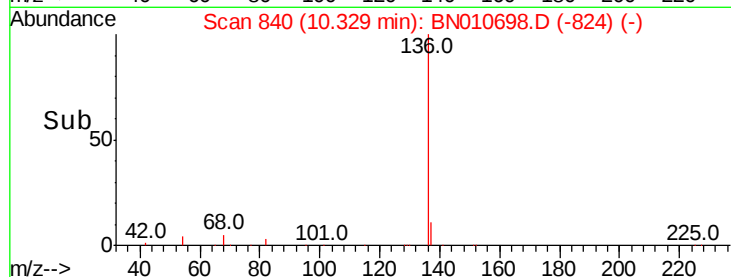
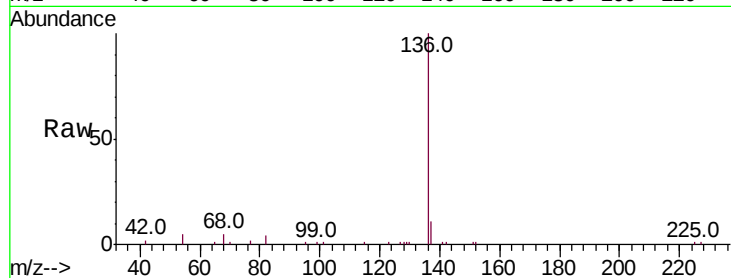
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 4.5 2.6 4.0#

68 5.2 3.4 5.2#

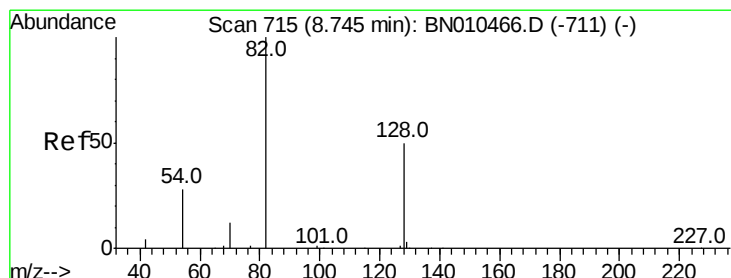
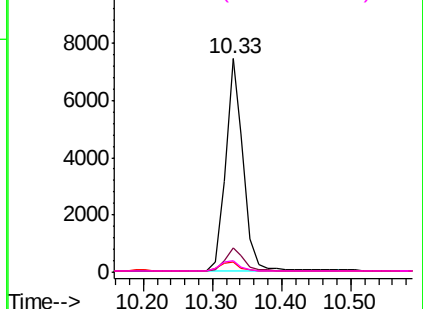


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.395 ng

RT: 8.71 min Scan# 712

Delta R.T. -0.01 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

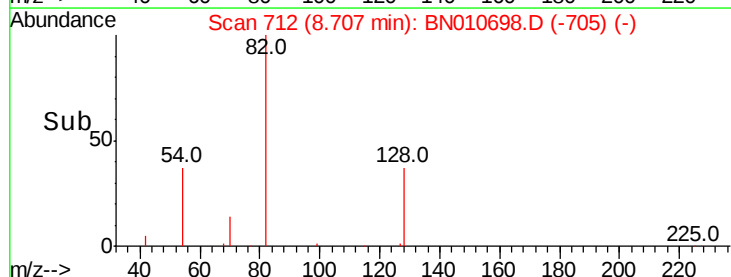
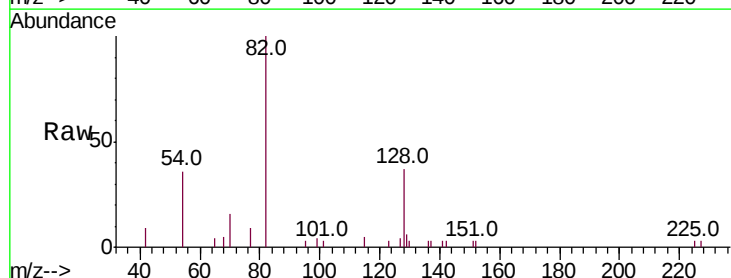
Tgt Ion: 82 Resp: 3639

Ion Ratio Lower Upper

82 100

128 36.8 41.3 61.9#

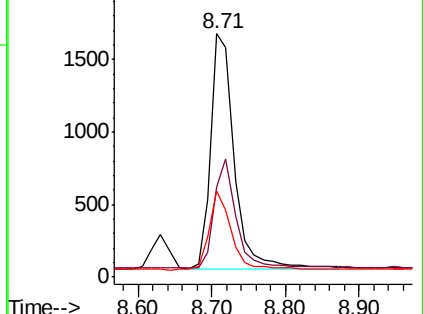
54 35.6 23.4 35.0#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.402 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

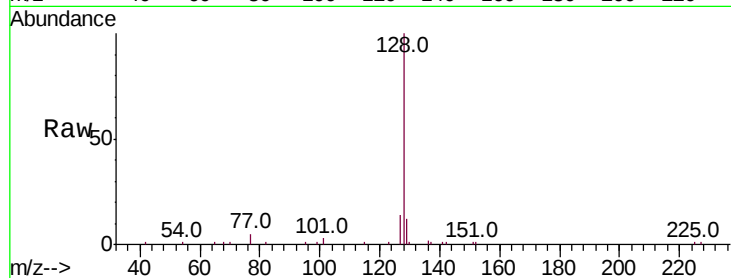
Tot Ion:128 Resp: 13184

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

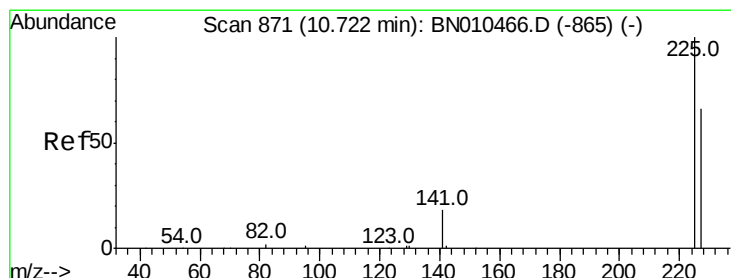
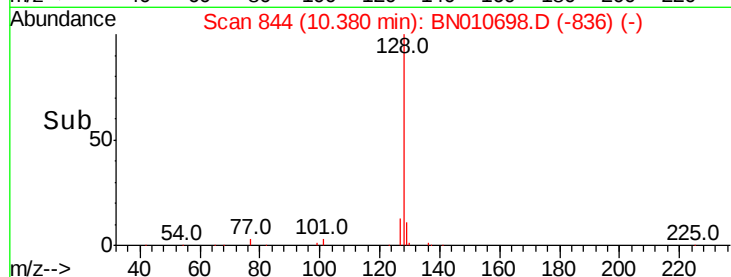
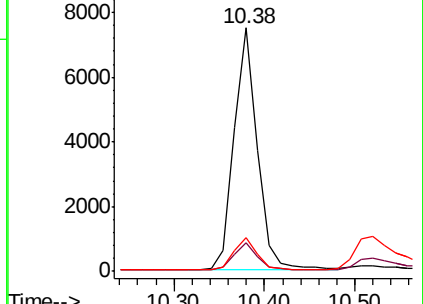
127 13.6 10.5 15.7



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: 0.389 ng

RT: 10.68 min Scan# 868

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

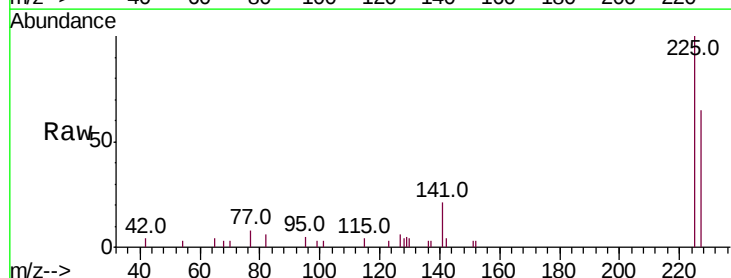
Tgt Ion:225 Resp: 3074

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

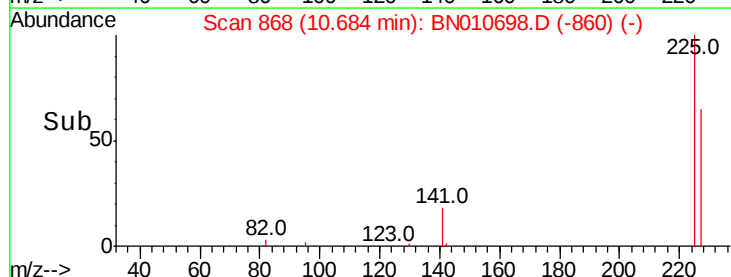
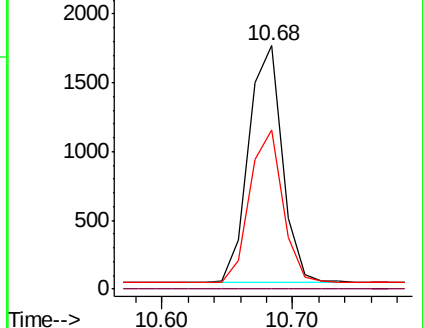
227 63.4 50.6 76.0

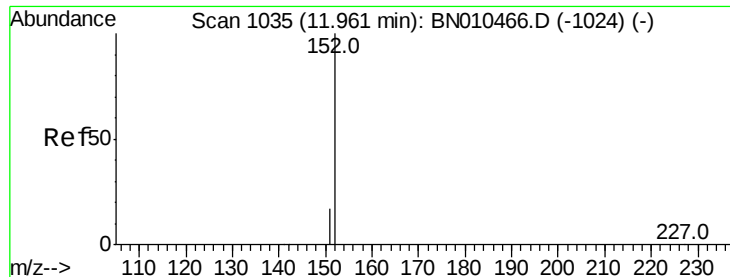


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

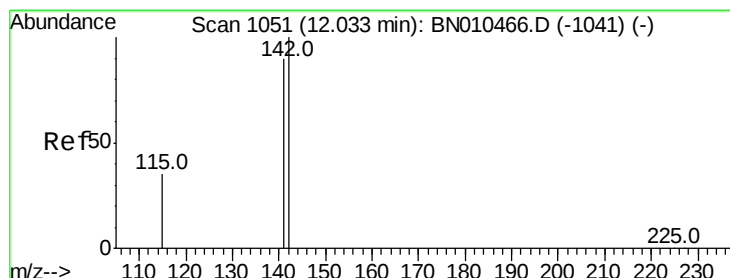
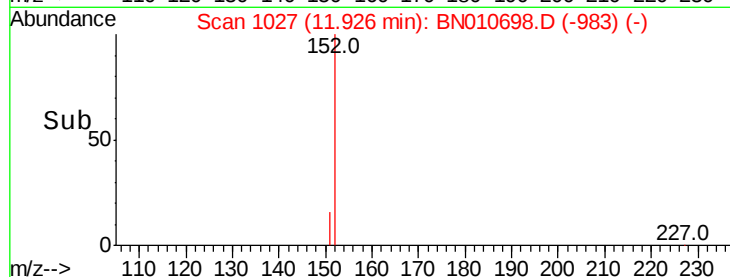
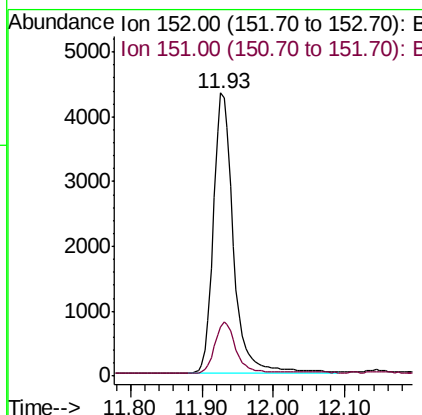
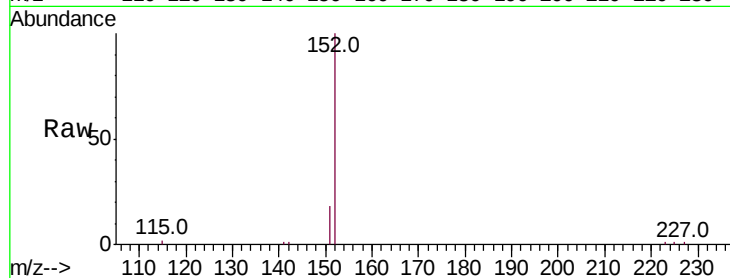




#11  
2-Methylnaphthalene-d10  
Concen: 0.389 ng  
RT: 11.93 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BN010698.D  
Acq: 12 May 2020 13:47

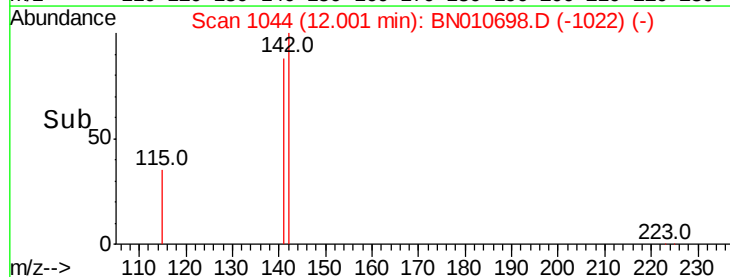
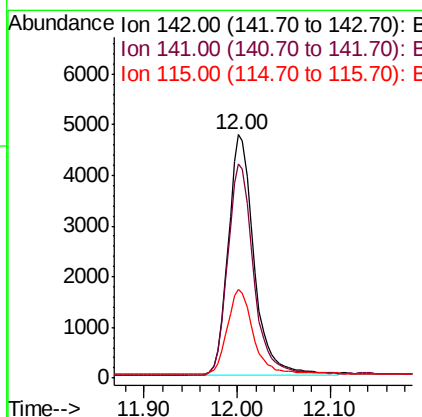
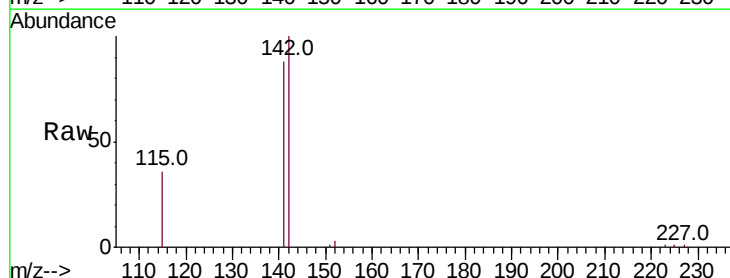
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

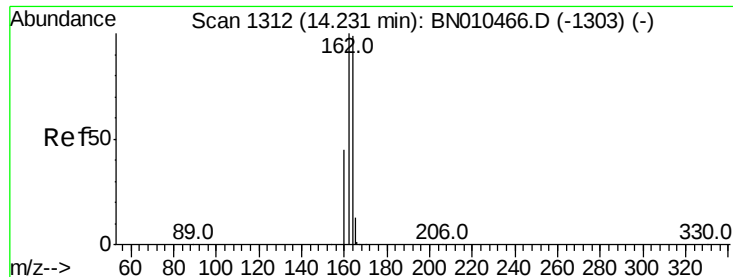
Tot Ion:152 Resp: 8440  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.3 22.9



#12  
2-Methylnaphthalene  
Concen: 0.387 ng  
RT: 12.00 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BN010698.D  
Acq: 12 May 2020 13:47

Tgt Ion:142 Resp: 9121  
Ion Ratio Lower Upper  
142 100  
141 88.0 71.9 107.9  
115 36.4 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

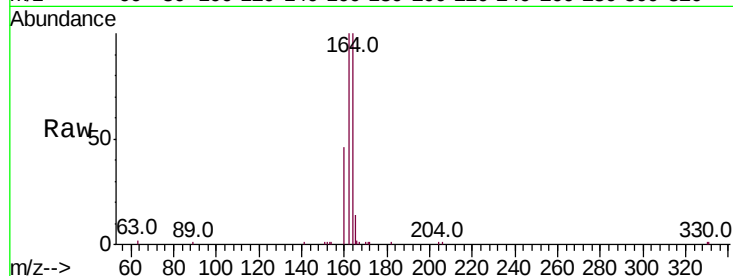
Tot Ion:164 Resp: 8024

Ion Ratio Lower Upper

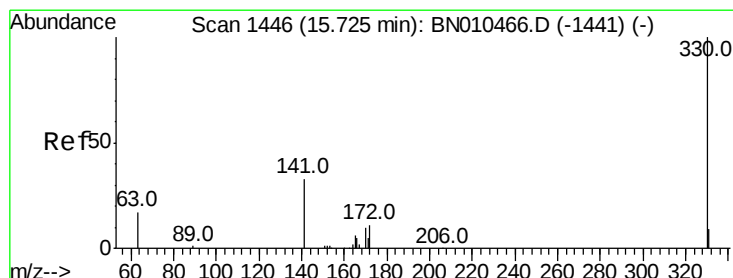
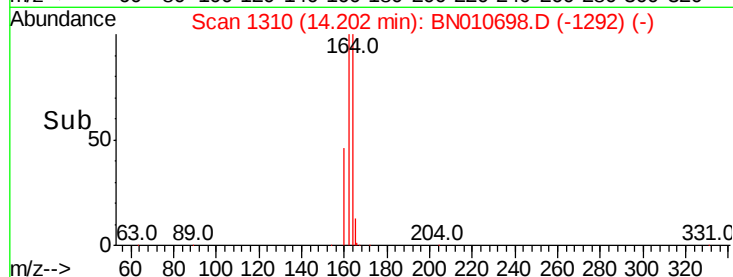
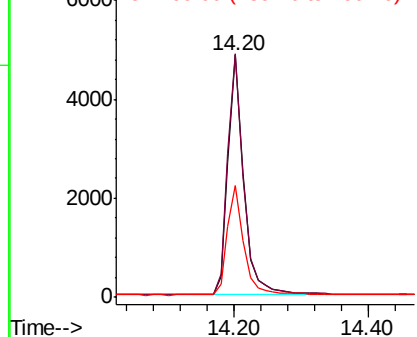
164 100

162 100.5 80.6 121.0

160 46.3 36.5 54.7



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: 0.281 ng

RT: 15.71 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

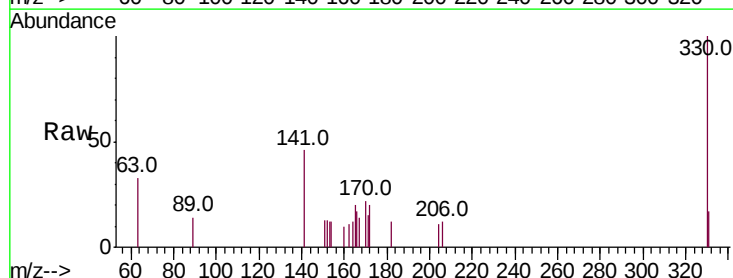
Tgt Ion:330 Resp: 1062

Ion Ratio Lower Upper

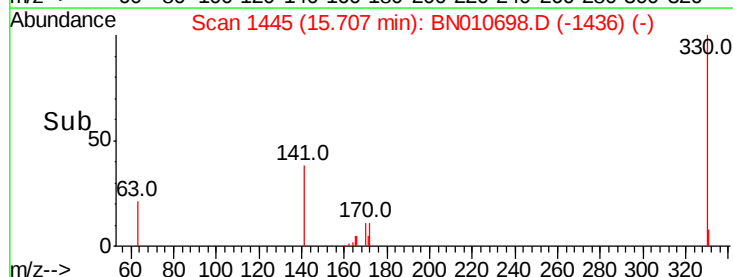
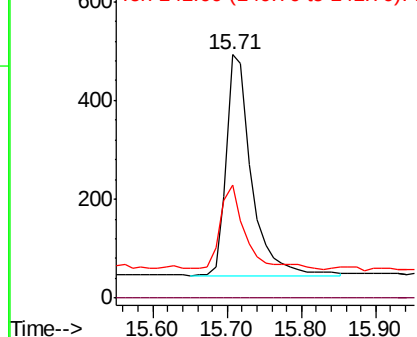
330 100

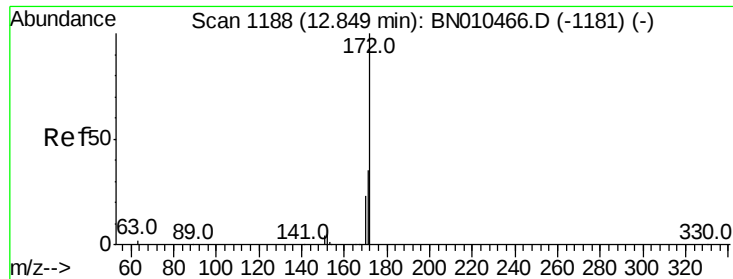
332 0.0 0.0 0.0

141 37.3 28.1 42.1



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



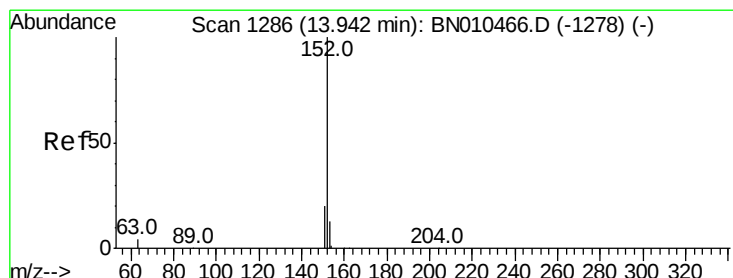
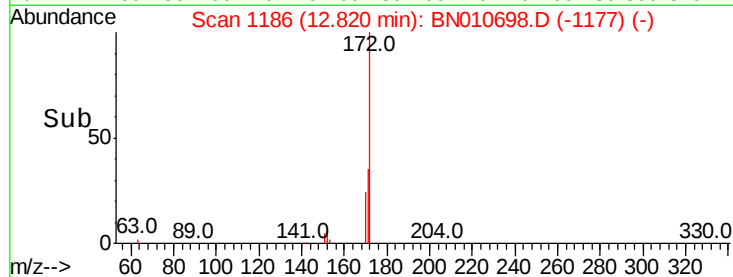
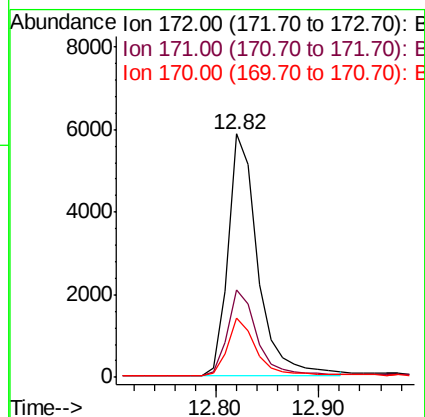
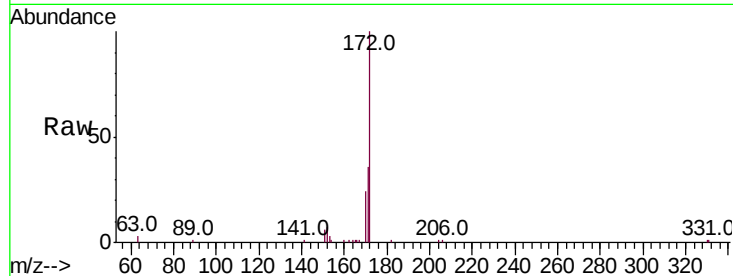


#15  
 2-Fluorobiphenyl  
 Concen: 0.401 ng  
 RT: 12.82 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BN010698.D  
 Acq: 12 May 2020 13:47

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Tot Ion:172 Resp: 11708  

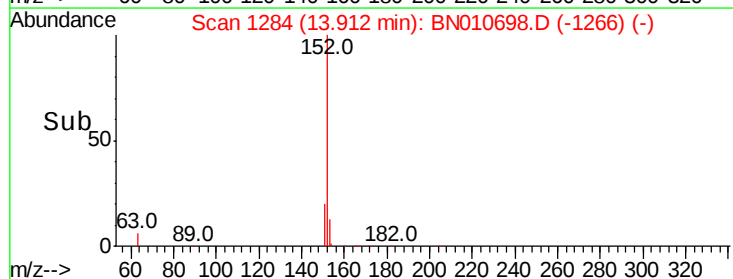
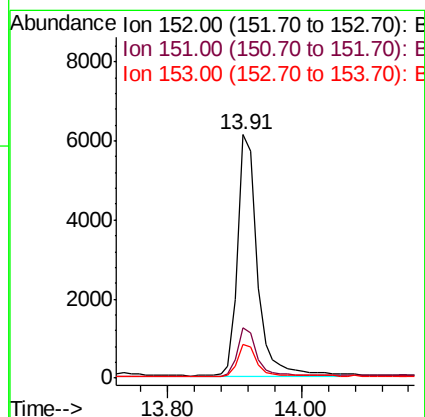
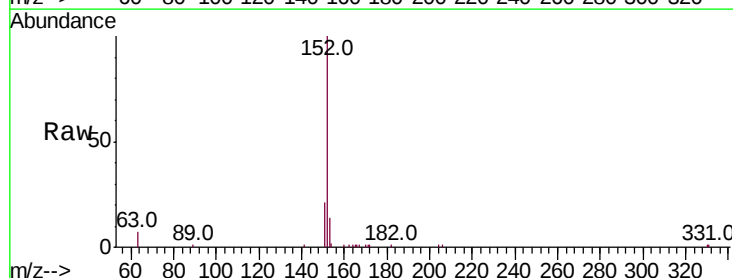
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.0  | 28.2  | 42.2  |
| 170 | 24.5  | 18.4  | 27.6  |



#16  
 Acenaphthylene  
 Concen: 0.356 ng  
 RT: 13.91 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: BN010698.D  
 Acq: 12 May 2020 13:47

Tgt Ion:152 Resp: 12344  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.7  | 15.7  | 23.5  |
| 153 | 13.0  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.27 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

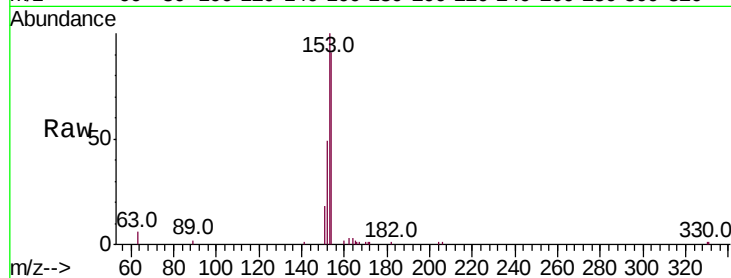
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:154 Resp: 8687

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 114.2 | 91.0  | 136.4 |
| 152 | 56.4  | 44.6  | 67.0  |

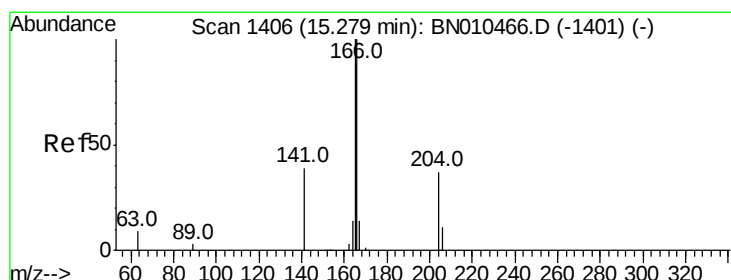
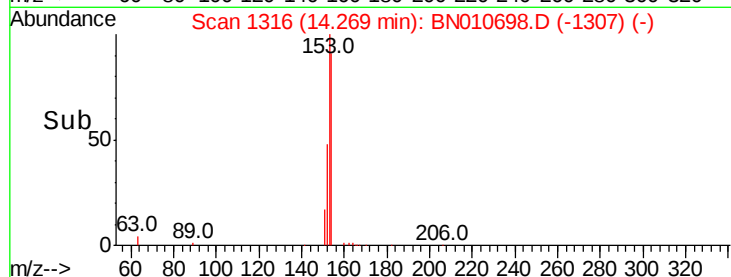
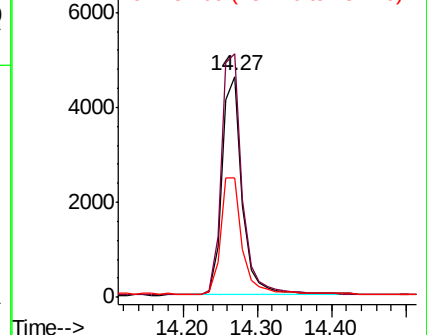


Abundance

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: 0.385 ng

RT: 15.26 min Scan# 1405

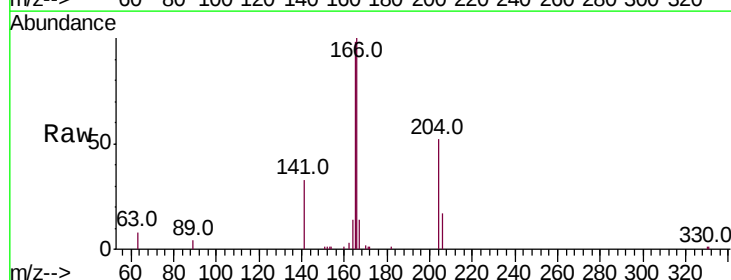
Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Tgt Ion:166 Resp: 11217

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 98.1  | 78.4  | 117.6 |
| 167 | 13.4  | 10.9  | 16.3  |

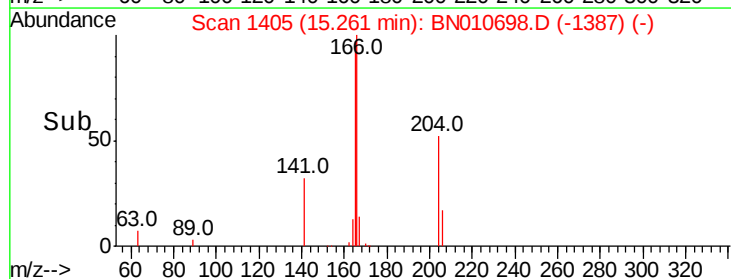
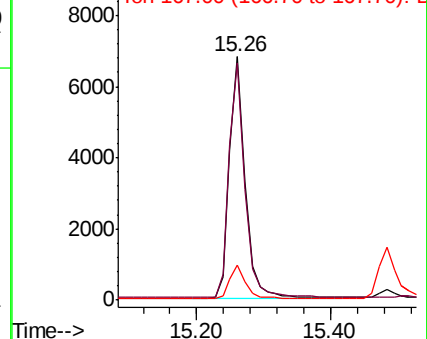


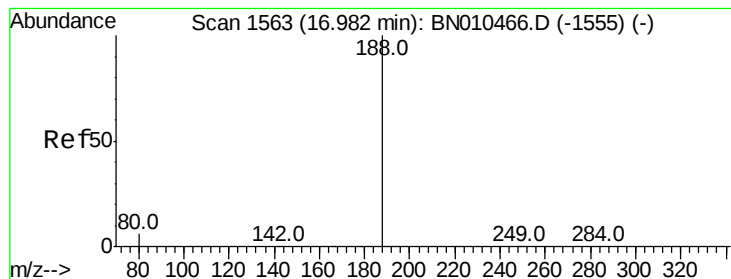
Abundance

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: 16.95 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

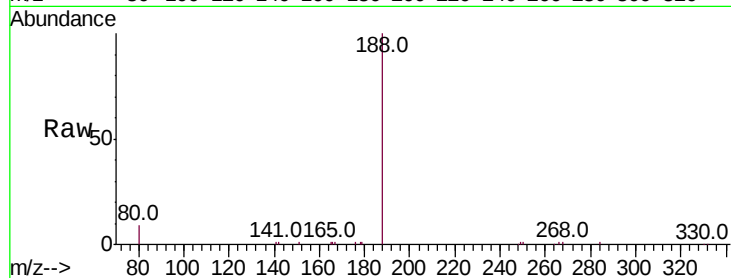
Tot Ion:188 Resp: 16883

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

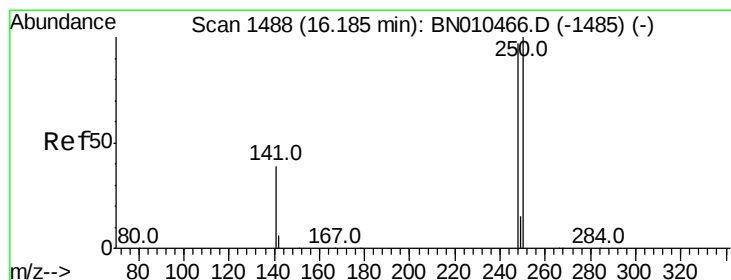
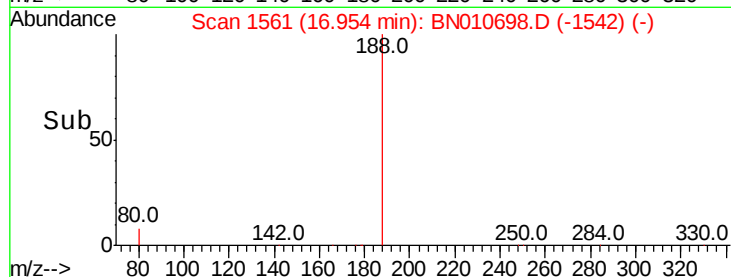
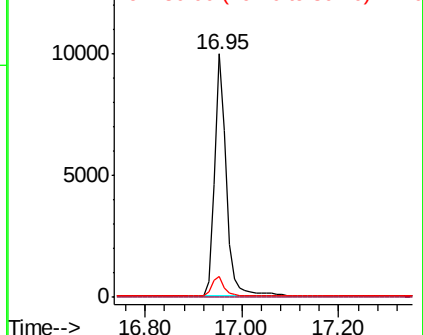
80 8.7 5.0 7.6#



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: 0.383 ng

RT: 16.16 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

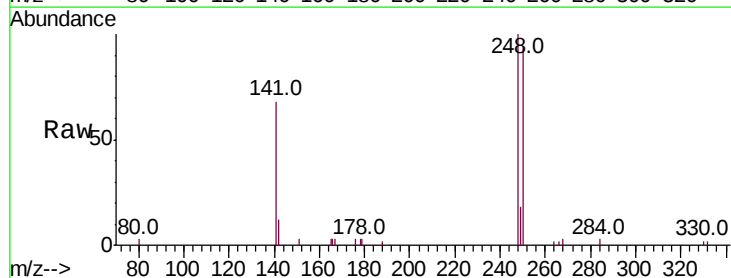
Tgt Ion:248 Resp: 3590

Ion Ratio Lower Upper

248 100

250 94.2 82.3 123.5

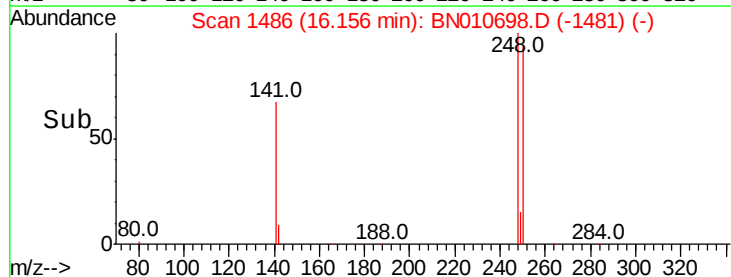
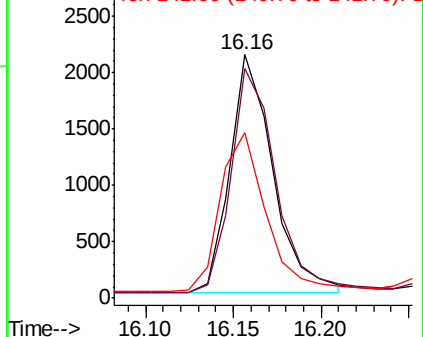
141 67.9 35.2 52.8#

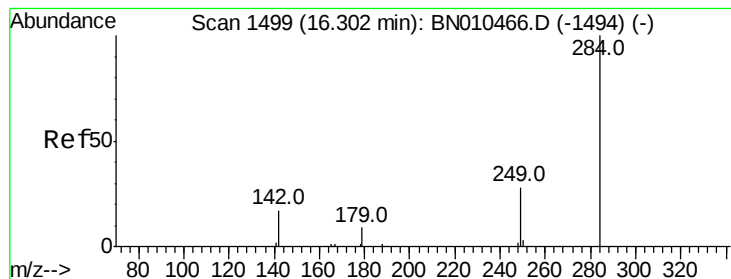


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.411 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

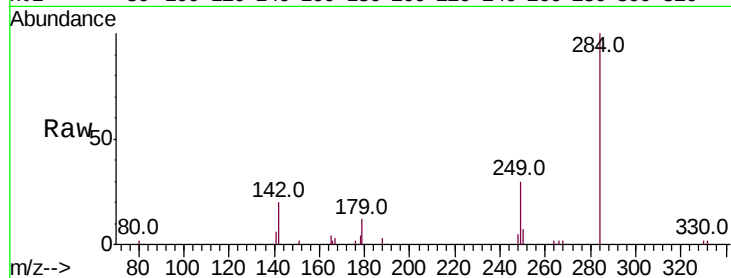
Tot Ion:284 Resp: 4405

Ion Ratio Lower Upper

284 100

142 34.2 25.5 38.3

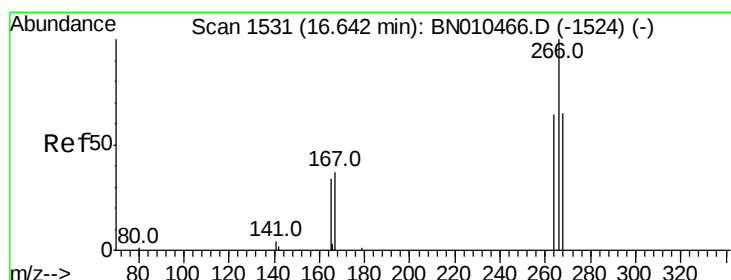
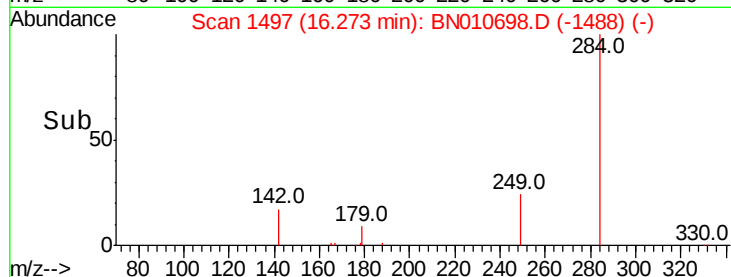
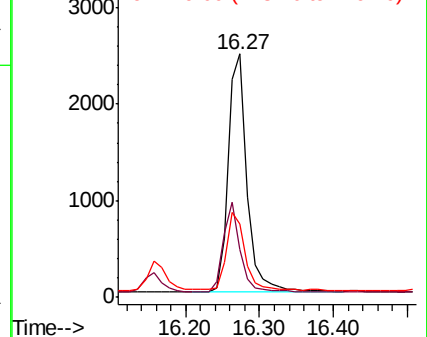
249 31.7 25.8 38.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.289 ng

RT: 16.62 min Scan# 1530

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

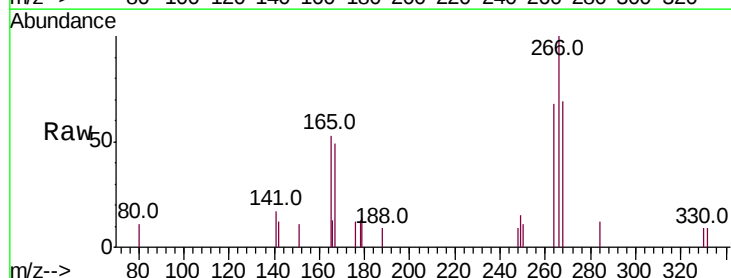
Tgt Ion:266 Resp: 1219

Ion Ratio Lower Upper

266 100

264 67.9 51.8 77.6

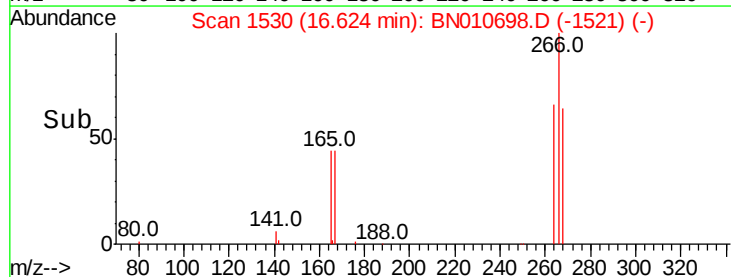
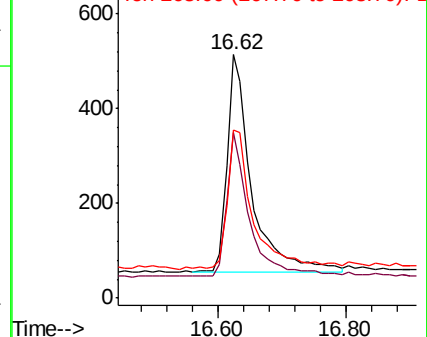
268 69.3 53.7 80.5



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: 0.383 ng

RT: 17.00 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

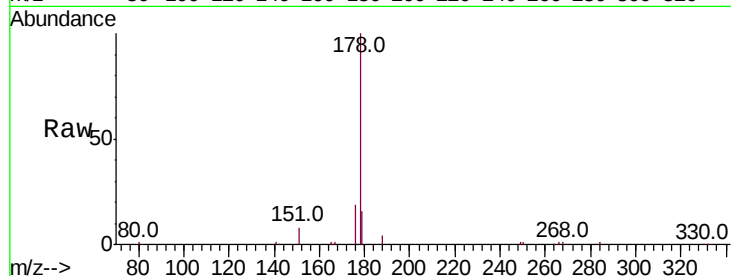
Tot Ion:178 Resp: 17482

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

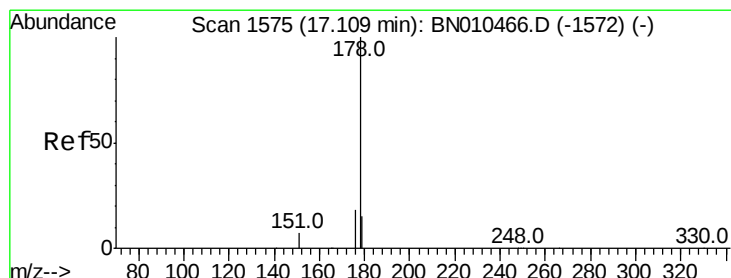
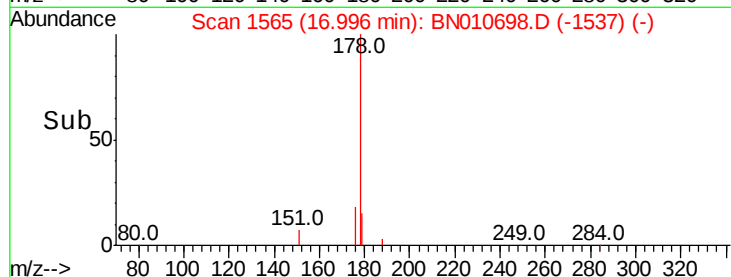
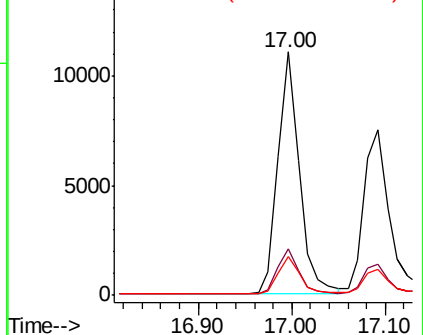
179 15.7 12.6 18.8



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: 0.343 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

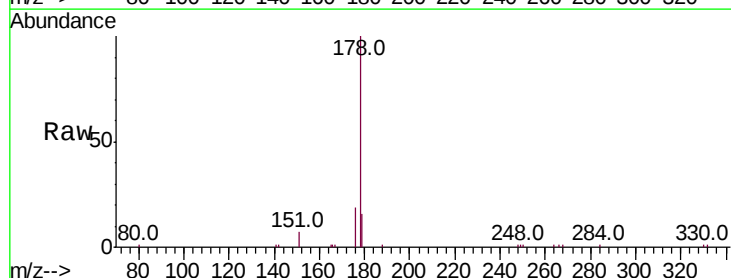
Tgt Ion:178 Resp: 14287

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

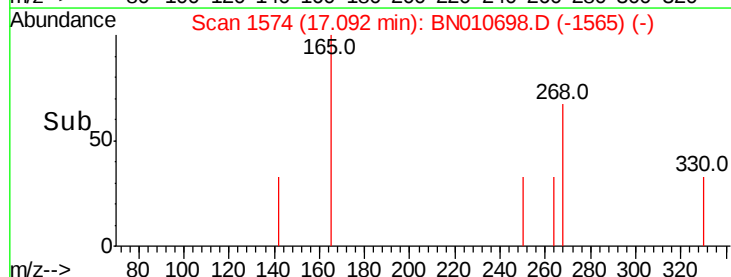
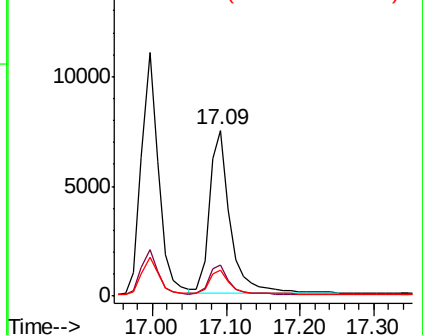
179 15.1 12.2 18.2

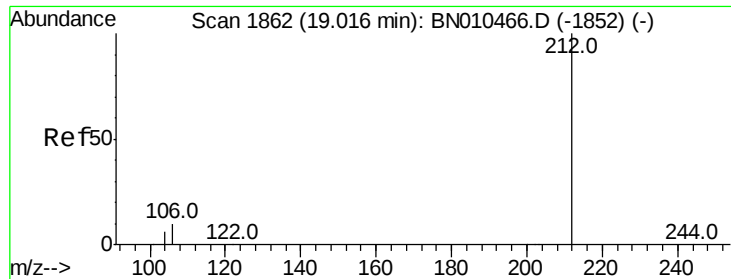


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 18.99 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

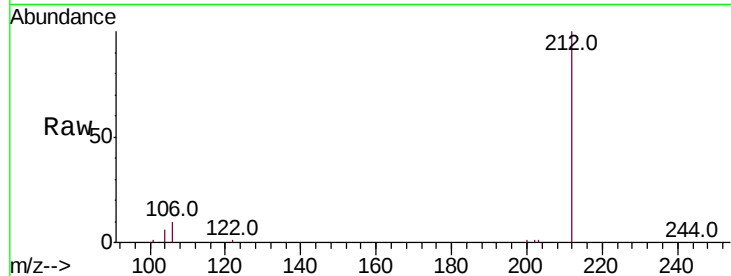
Tot Ion:212 Resp: 17570

Ion Ratio Lower Upper

212 100

106 10.2 7.8 11.6

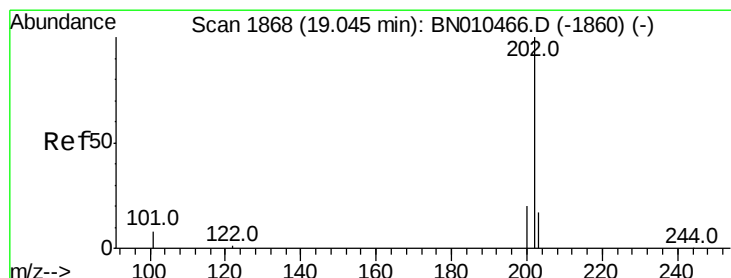
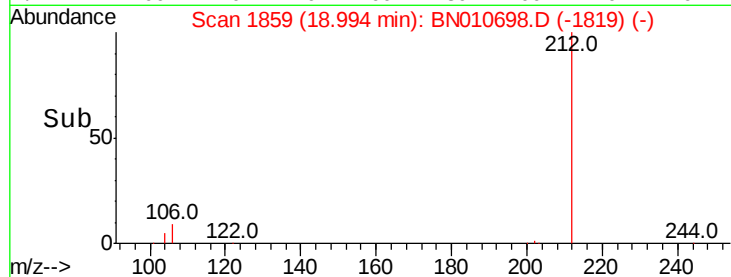
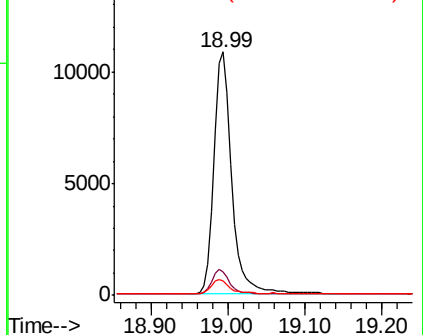
104 5.8 4.5 6.7



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: 0.348 ng

RT: 19.02 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

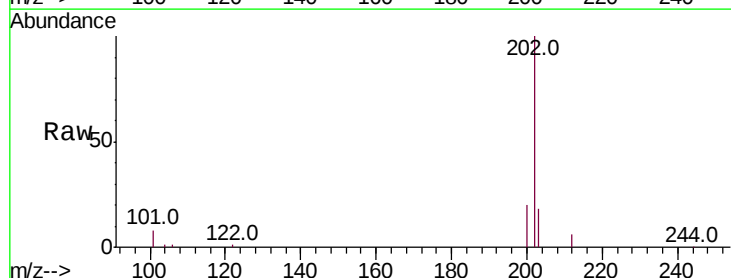
Tgt Ion:202 Resp: 19750

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

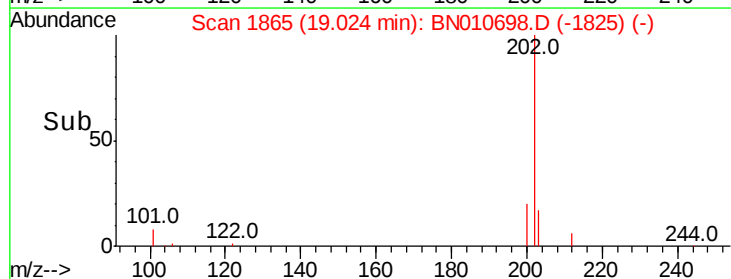
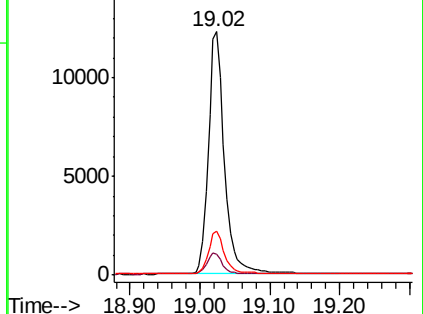
203 16.9 13.9 20.9



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: 21.15 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

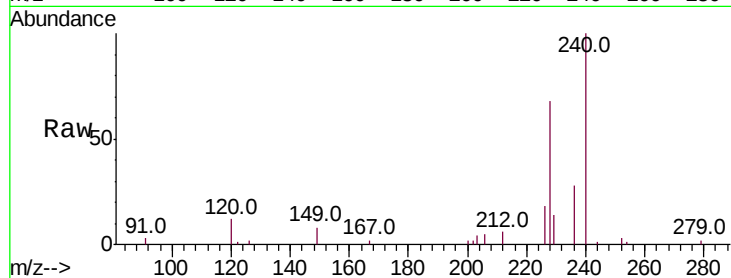
Tot Ion:240 Resp: 13920

Ion Ratio Lower Upper

240 100

120 12.4 4.8 7.2#

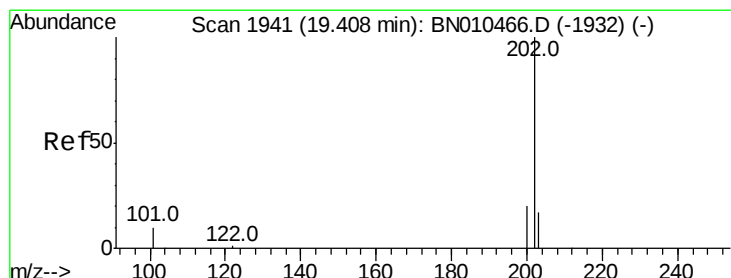
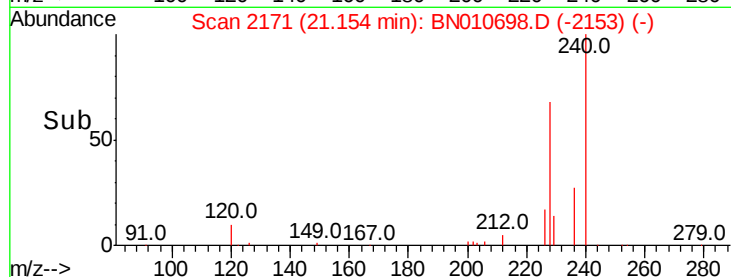
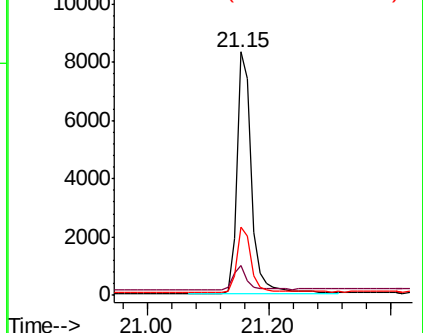
236 27.8 21.4 32.0



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: 0.419 ng

RT: 19.39 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

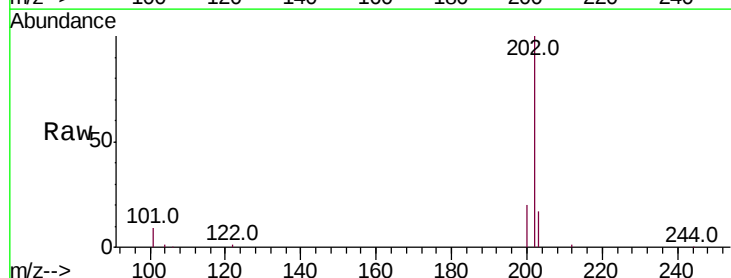
Tgt Ion:202 Resp: 19645

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

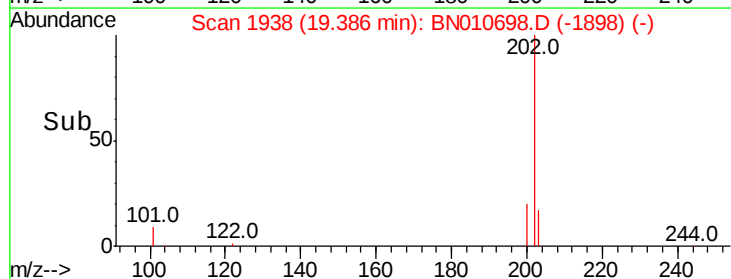
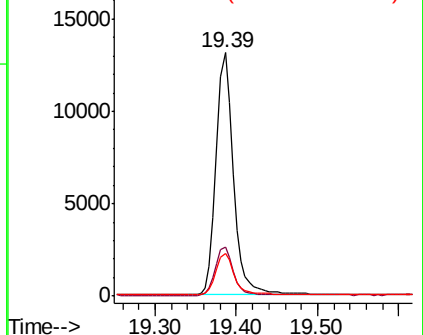
203 17.5 14.0 21.0

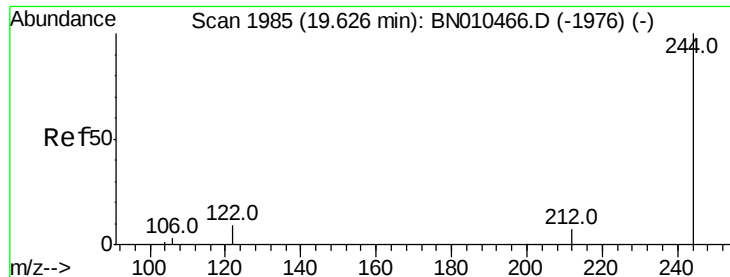


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.413 ng

RT: 19.60 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

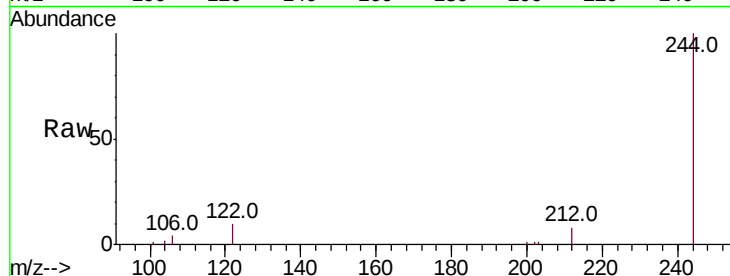
Tot Ion:244 Resp: 13172

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

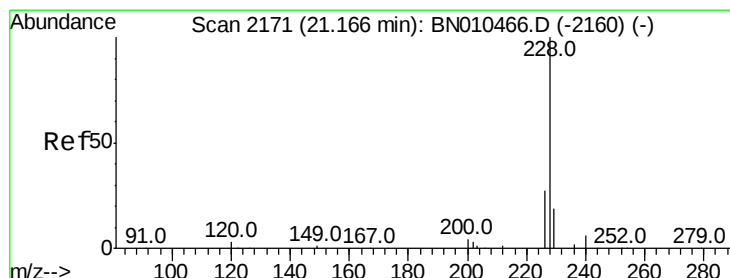
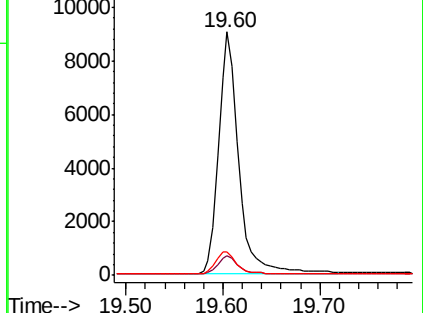
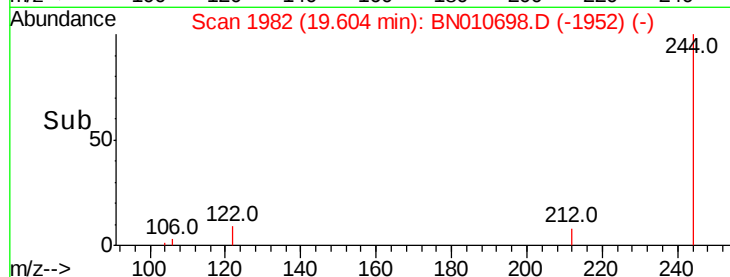
122 9.9 7.8 11.8



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: 0.356 ng

RT: 21.14 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

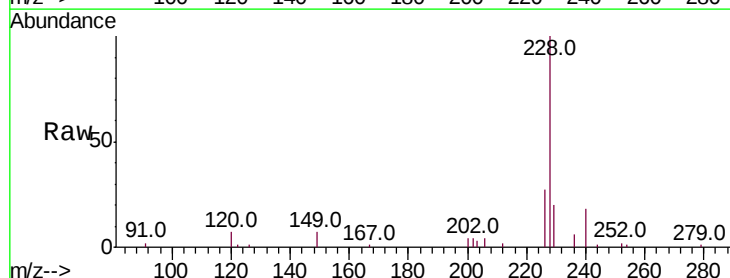
Tgt Ion:228 Resp: 16146

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

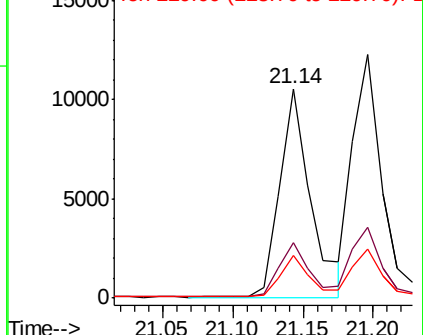
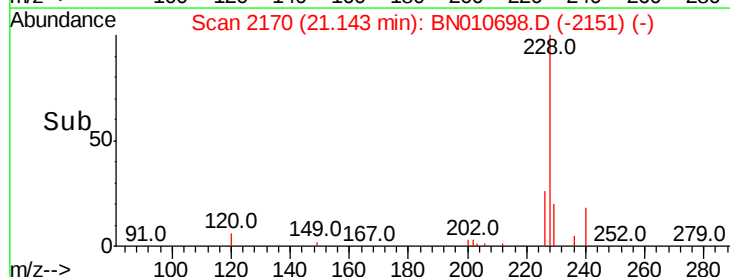
229 20.1 15.6 23.4

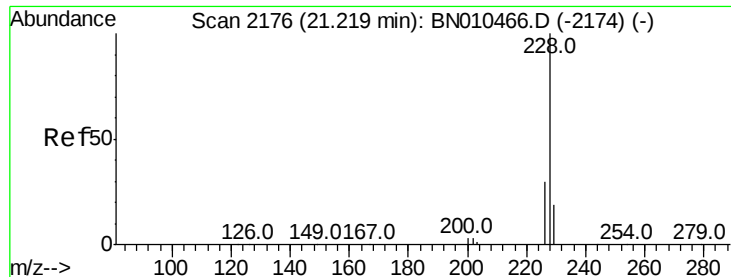


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.391 ng

RT: 21.20 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

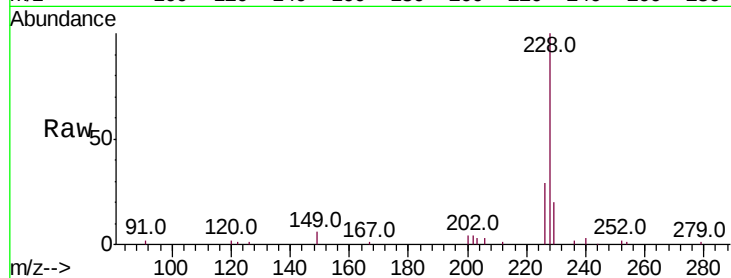
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 17707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.0  | 24.0  | 36.0  |
| 229 | 20.2  | 15.8  | 23.6  |



Abundance

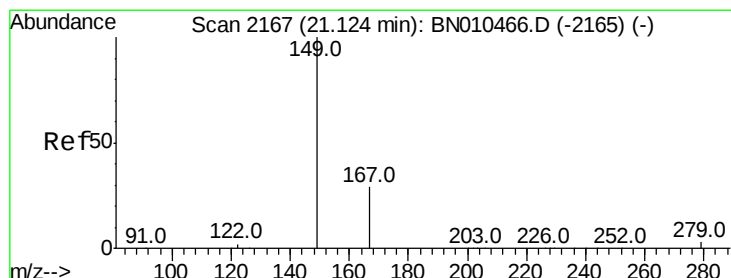
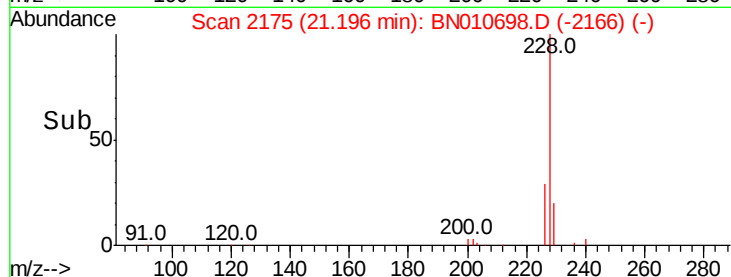
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.20

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.294 ng

RT: 21.10 min Scan# 2166

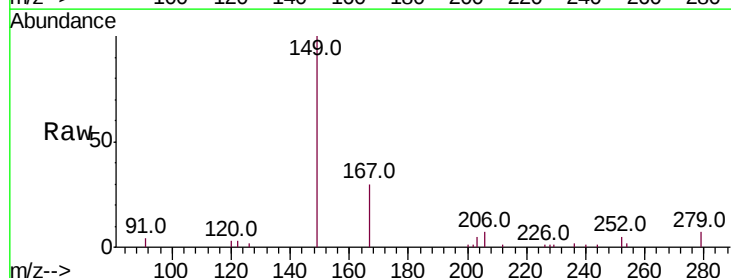
Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Tgt Ion:149 Resp: 6848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.9  | 23.4  | 35.0  |
| 279 | 4.7   | 4.0   | 6.0   |



Abundance

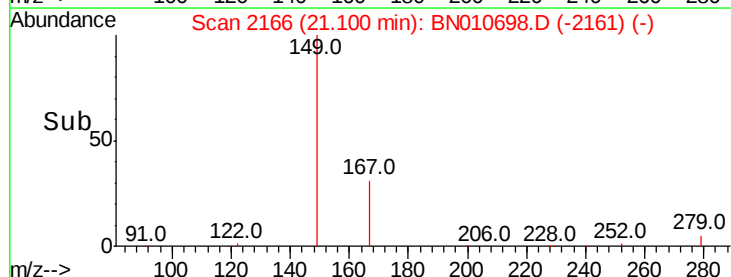
Ion 149.00 (148.70 to 149.70): E

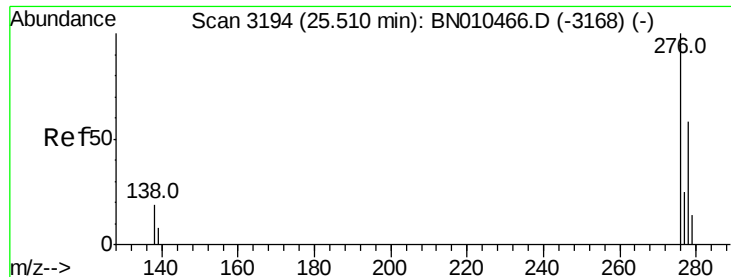
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.10

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.399 ng

RT: 25.47 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

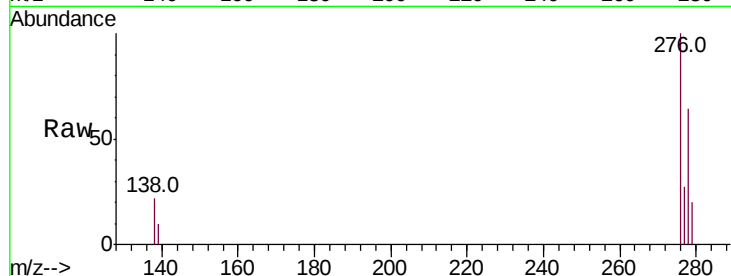
Tot Ion:276 Resp: 15942

Ion Ratio Lower Upper

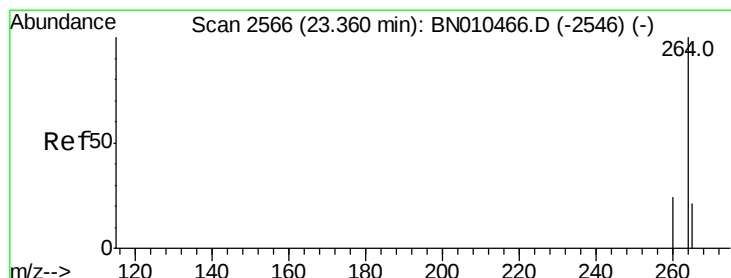
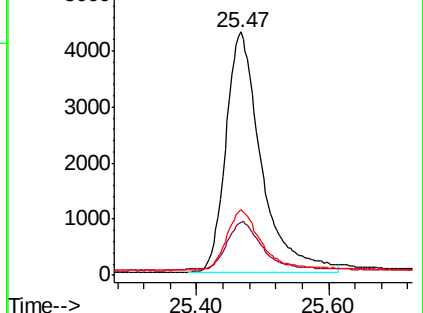
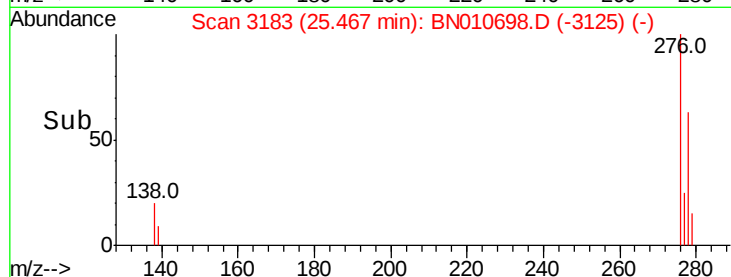
276 100

138 18.6 16.4 24.6

277 24.5 19.8 29.6



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: 23.32 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

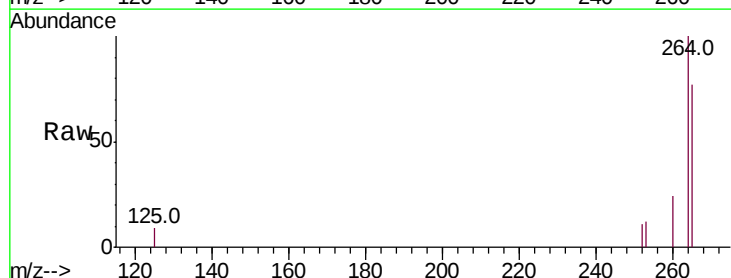
Tgt Ion:264 Resp: 13128

Ion Ratio Lower Upper

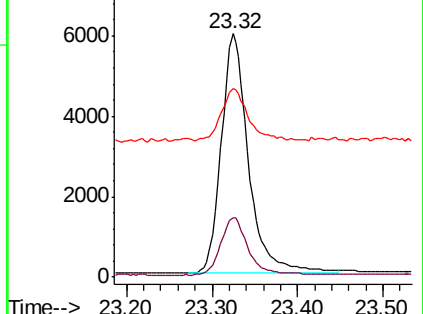
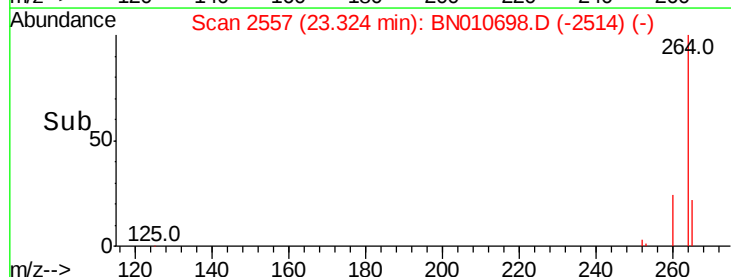
264 100

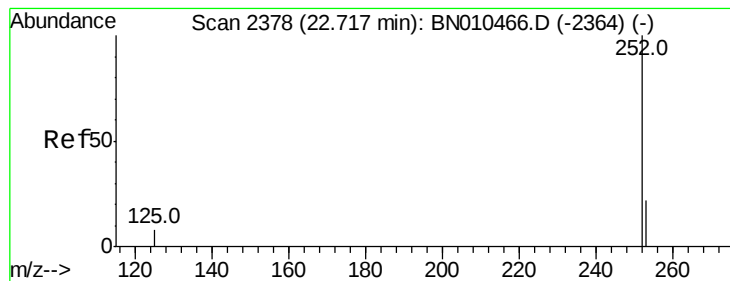
260 24.2 19.8 29.8

265 77.3 42.3 63.5#



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: 0.387 ng

RT: 22.68 min Scan# 2370

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

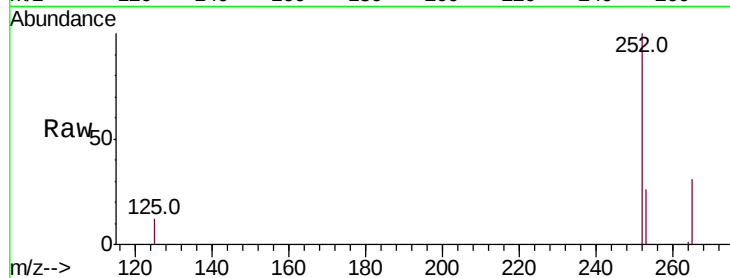
Tot Ion:252 Resp: 16738

Ion Ratio Lower Upper

252 100

253 26.2 20.2 30.4

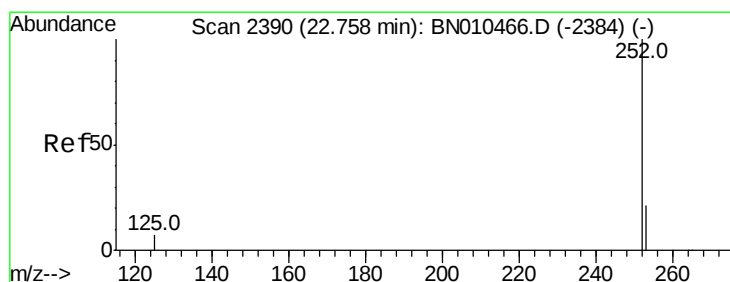
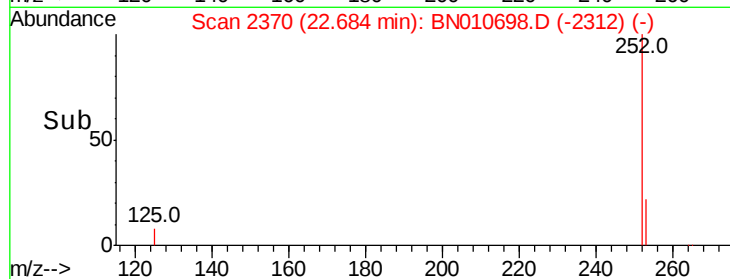
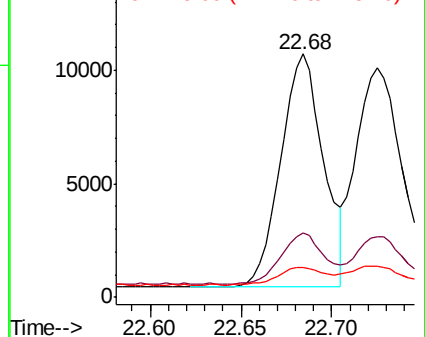
125 12.4 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.421 ng

RT: 22.73 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

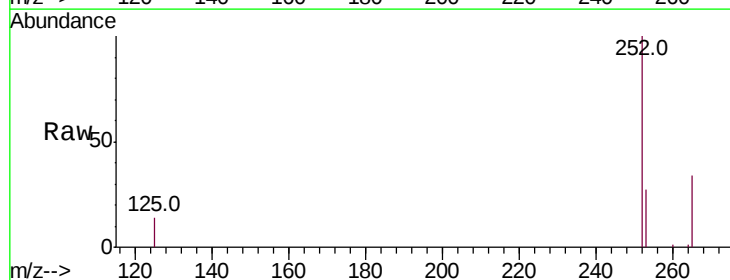
Tgt Ion:252 Resp: 18239

Ion Ratio Lower Upper

252 100

253 26.7 20.1 30.1

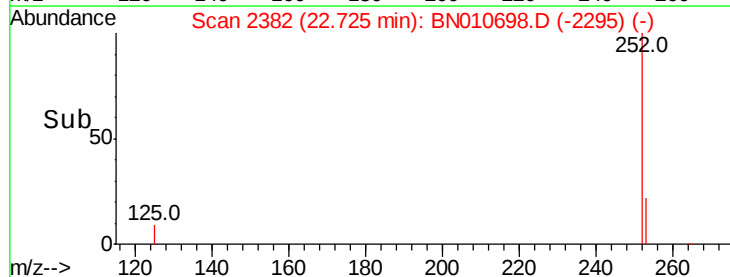
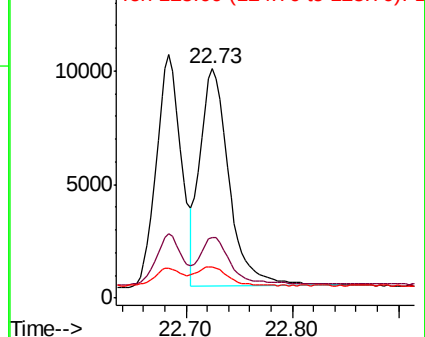
125 13.7 9.6 14.4



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: 0.377 ng

RT: 23.23 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

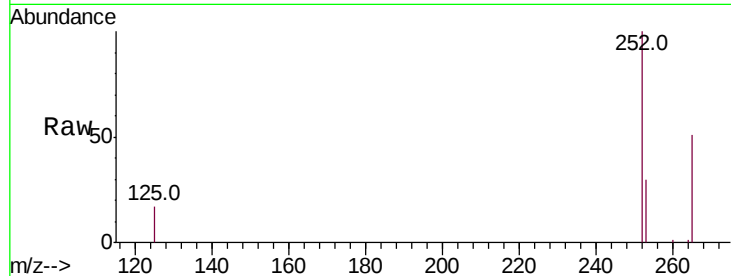
Tot Ion:252 Resp: 14417

Ion Ratio Lower Upper

252 100

253 29.8 21.8 32.8

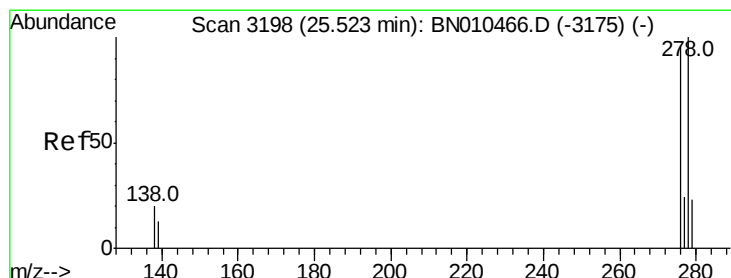
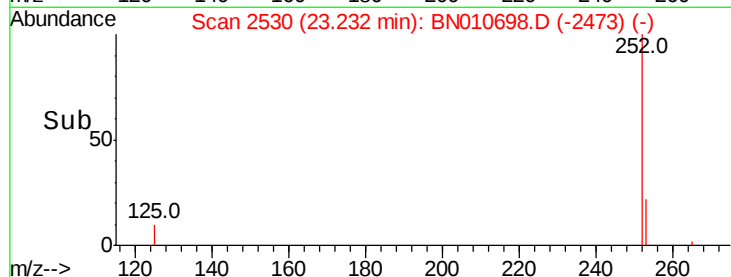
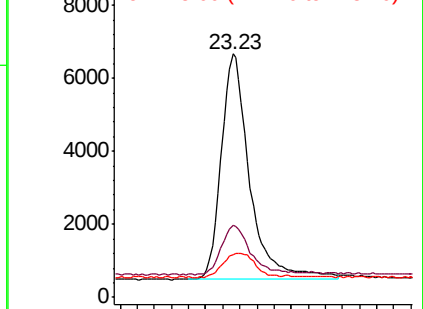
125 17.4 11.0 16.6#



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: 0.363 ng

RT: 25.48 min Scan# 3187

Delta R.T. -0.01 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

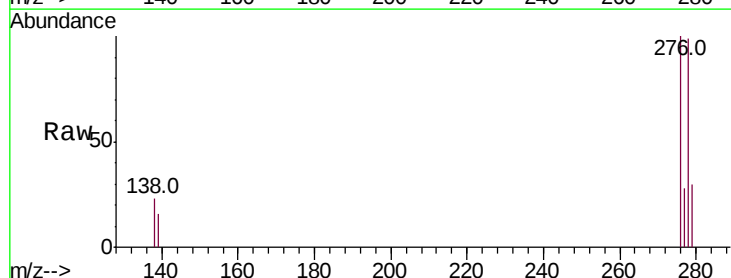
Tgt Ion:278 Resp: 12700

Ion Ratio Lower Upper

278 100

139 16.1 12.3 18.5

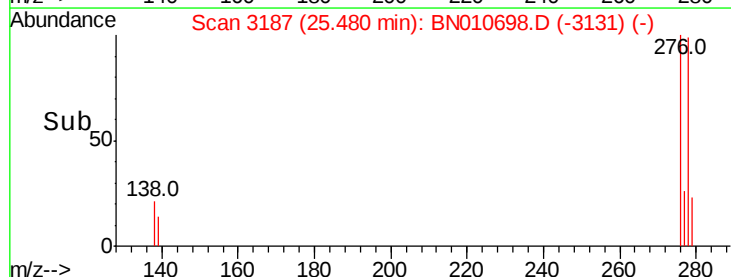
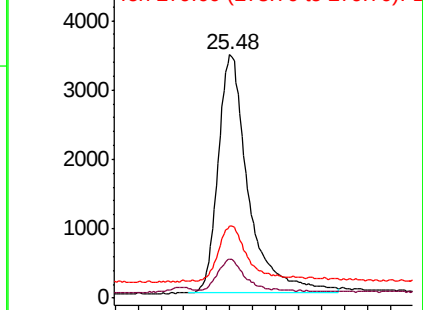
279 29.8 21.9 32.9

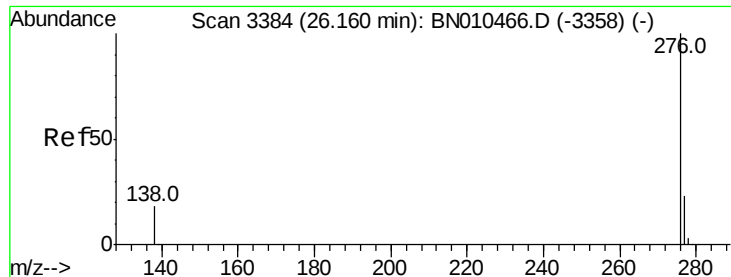


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.405 ng

RT: 26.11 min Scan# 3371

Delta R.T. 0.00 min

Lab File: BN010698.D

Acq: 12 May 2020 13:47

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

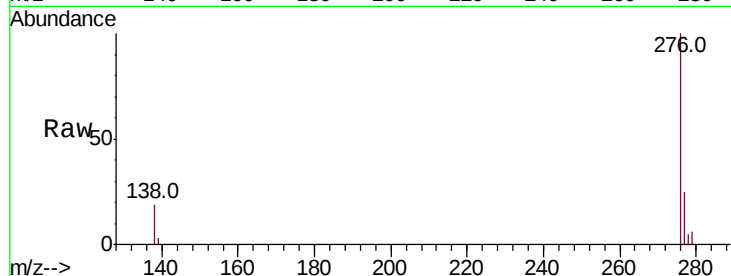
Tot Ion:276 Resp: 14263

Ion Ratio Lower Upper

276 100

277 24.8 20.2 30.2

138 19.2 15.4 23.2



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

