

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082720\  
 Data File : BN011661.D  
 Acq On : 27 Aug 2020 13:14  
 Operator : CG/JU  
 Sample : SSTDICC5.0  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC5.0

Quant Time: Aug 27 13:43:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 27 11:24:00 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 2325     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 8045     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.38 | 164  | 4867     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 10513    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 12352    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12          | 23.58 | 264  | 12325    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.34  | 112 | 27767  | 3.74 | ng | 0.00 |
| 5) Phenol-d6                | 6.91  | 99  | 38579  | 3.67 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 35342  | 5.07 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.12 | 152 | 65428  | 4.29 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 11470  | 4.29 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.00 | 172 | 90935  | 4.80 | ng | 0.00 |
| 27) Fluoranthene-d10        | 19.17 | 212 | 157087 | 4.58 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.77 | 244 | 134349 | 4.26 | ng | 0.00 |

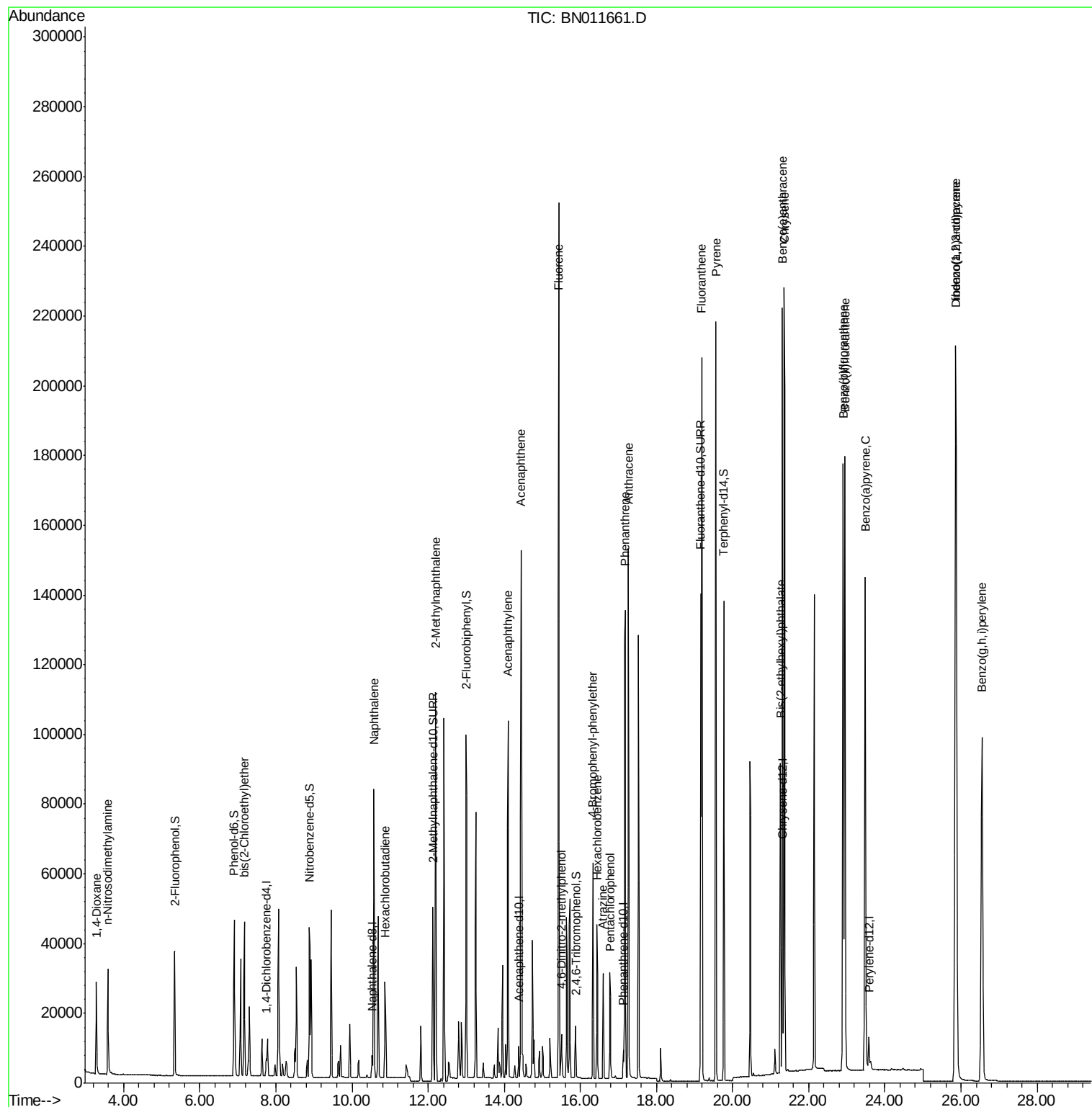
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.29  | 88  | 15436  | 4.281  | ng | 94   |
| 3) n-Nitrosodimethylamine      | 3.58  | 42  | 18476  | 4.866  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 7.17  | 93  | 30129  | 4.035  | ng | 98   |
| 9) Naphthalene                 | 10.58 | 128 | 103389 | 4.520  | ng | 98   |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 22169  | 4.627  | ng | # 98 |
| 12) 2-Methylnaphthalene        | 12.20 | 142 | 73945  | 4.381  | ng | 100  |
| 16) Acenaphthylene             | 14.10 | 152 | 113868 | 4.440  | ng | 100  |
| 17) Acenaphthene               | 14.45 | 154 | 75892  | 4.666  | ng | 95   |
| 18) Fluorene                   | 15.44 | 166 | 96810  | 4.599  | ng | 100  |
| 20) 4,6-Dinitro-2-methylphenol | 15.50 | 198 | 8948   | 7.382  | ng | # 82 |
| 21) 4-Bromophenyl-phenylether  | 16.32 | 248 | 28760  | 4.690  | ng | 99   |
| 22) Hexachlorobenzene          | 16.43 | 284 | 33984  | 4.793  | ng | 99   |
| 23) Atrazine                   | 16.59 | 200 | 25984  | 4.289  | ng | 99   |
| 24) Pentachlorophenol          | 16.79 | 266 | 14894  | 4.760  | ng | 98   |
| 25) Phenanthrene               | 17.17 | 178 | 155909 | 4.773  | ng | 99   |
| 26) Anthracene                 | 17.26 | 178 | 145784 | 4.532  | ng | 100  |
| 28) Fluoranthene               | 19.20 | 202 | 189746 | 4.795  | ng | 100  |
| 30) Pyrene                     | 19.56 | 202 | 192419 | 4.394  | ng | 100  |
| 32) Benzo(a)anthracene         | 21.31 | 228 | 201755 | 4.529  | ng | 99   |
| 33) Chrysene                   | 21.35 | 228 | 201118 | 4.736  | ng | 97   |
| 34) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 86928  | 2.741  | ng | 99   |
| 35) Indeno(1,2,3-cd)pyrene     | 25.86 | 276 | 263197 | 5.078  | ng | 100  |
| 37) Benzo(b)fluoranthene       | 22.90 | 252 | 215853 | 4.835  | ng | # 95 |
| 38) Benzo(k)fluoranthene       | 22.95 | 252 | 216431 | 4.874  | ng | # 95 |
| 39) Benzo(a)pyrene             | 23.48 | 252 | 198655 | 4.773  | ng | # 93 |
| 40) Dibenzo(a,h)anthracene     | 25.87 | 278 | 217489 | 5.001  | ng | 97   |
| 41) Benzo(g,h,i)perylene       | 26.55 | 276 | 213375 | 5.053  | ng | 99   |

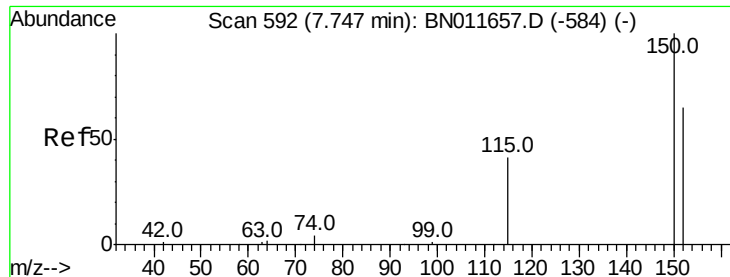
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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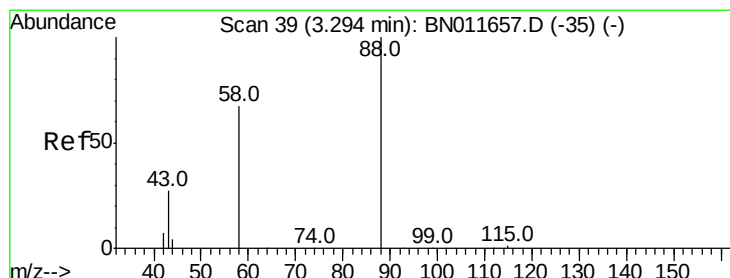
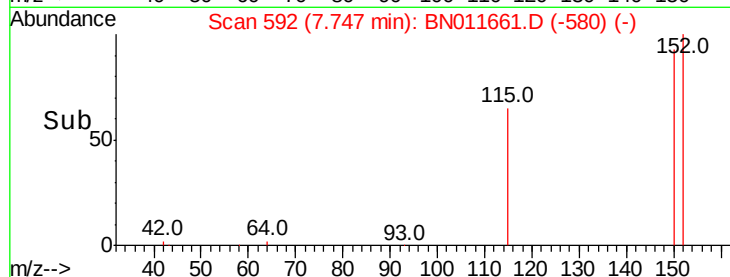
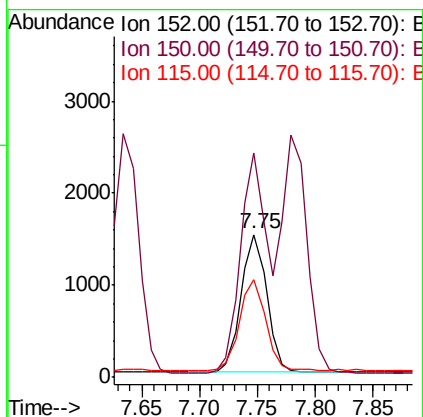
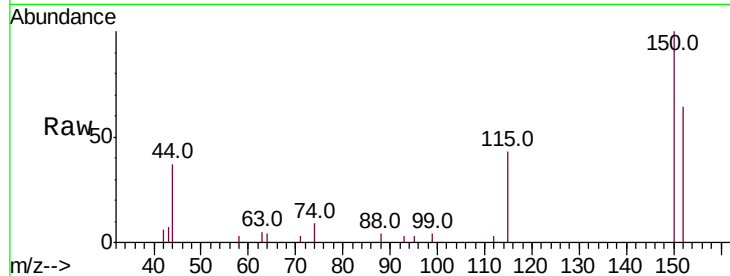


#1

1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.75 min Scan# 592  
 Delta R.T. -0.00 min  
 Lab File: BN011661.D  
 Acq: 27 Aug 2020 13:14

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC5.0

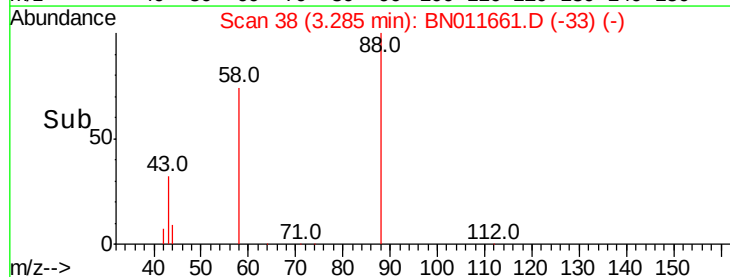
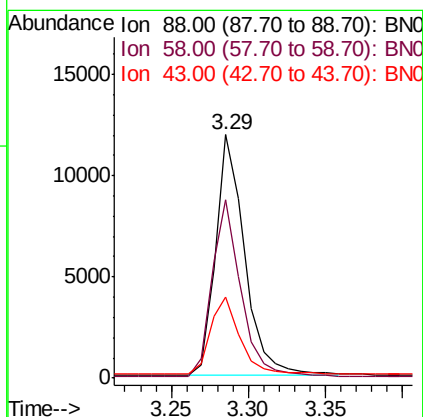
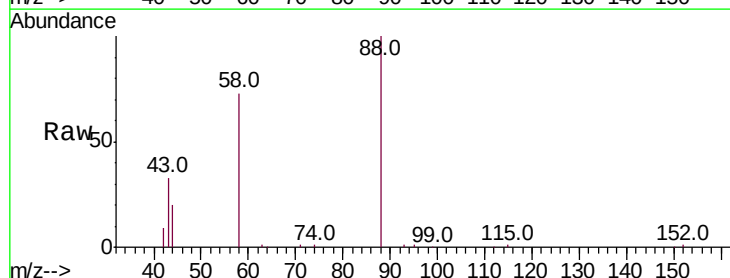
Tot Ion:152 Resp: 2325  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 121.0 181.6  
 115 67.9 52.6 78.8

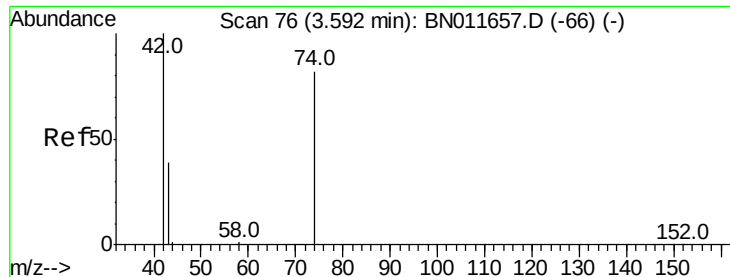


#2

1,4-Dioxane  
 Concen: 4.281 ng  
 RT: 3.29 min Scan# 38  
 Delta R.T. -0.01 min  
 Lab File: BN011661.D  
 Acq: 27 Aug 2020 13:14

Tgt Ion: 88 Resp: 15436  
 Ion Ratio Lower Upper  
 88 100  
 58 72.9 61.4 92.0  
 43 32.3 29.8 44.8





#3

n-Nitrosodimethylamine

Concen: 4.866 ng

RT: 3.58 min Scan# 75

Delta R.T. -0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

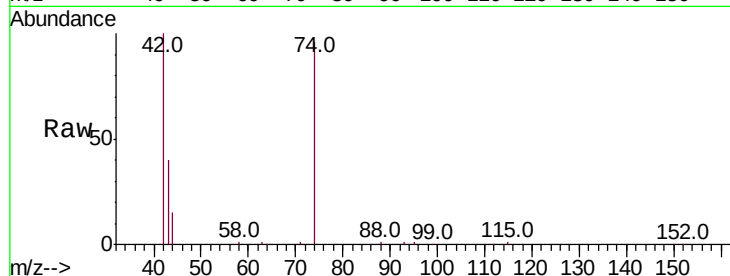
Tot Ion: 42 Resp: 18476

Ion Ratio Lower Upper

42 100

74 105.1 79.0 118.6

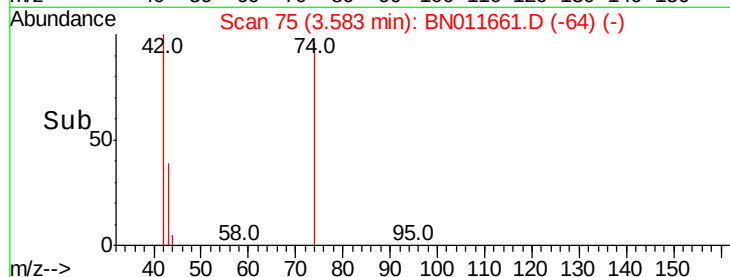
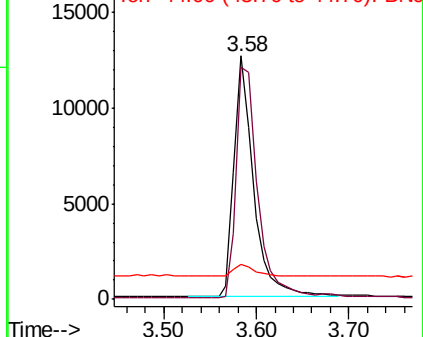
44 5.4 8.1 12.1#



Abundance Ion 42.00 (41.70 to 42.70): BN011657.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BN011657.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BN011657.D (-66) (-)



#4

2-Fluorophenol

Concen: 3.735 ng

RT: 5.34 min Scan# 293

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

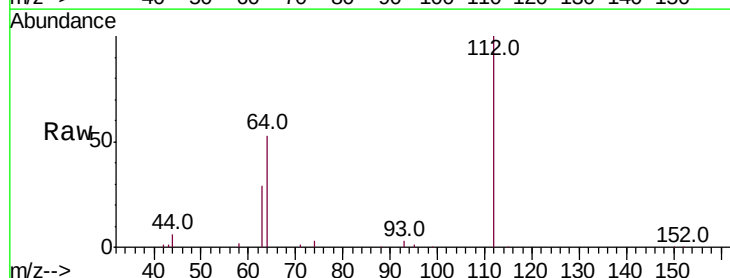
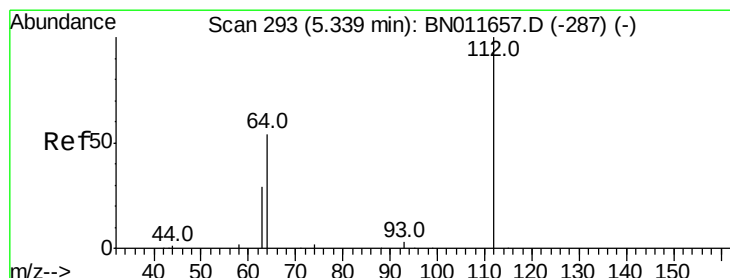
Tgt Ion: 112 Resp: 27767

Ion Ratio Lower Upper

112 100

64 62.0 49.7 74.5

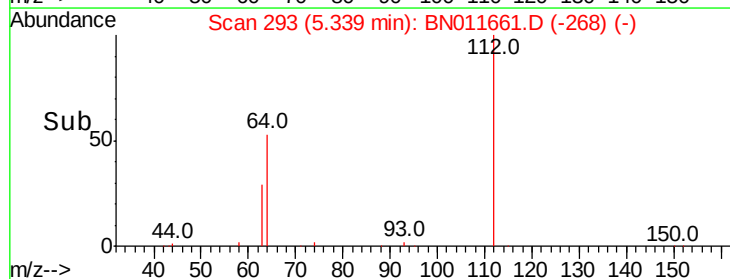
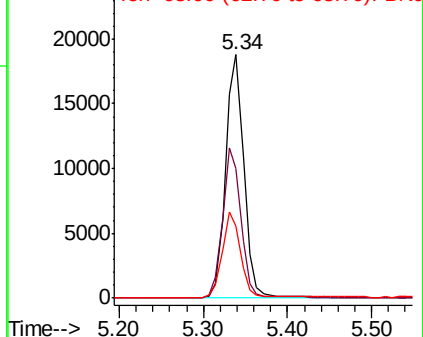
63 34.8 29.4 44.0

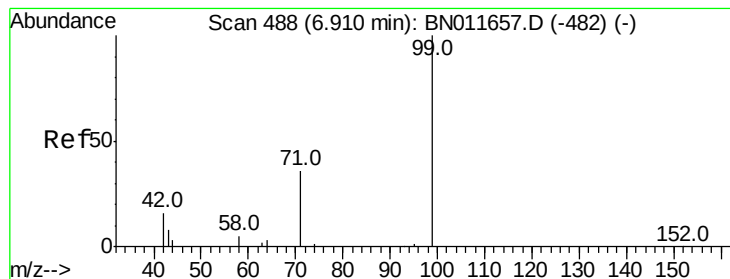


Abundance Ion 112.00 (111.70 to 112.70): BN011657.D (-287) (-)

Ion 64.00 (63.70 to 64.70): BN011657.D (-287) (-)

Ion 63.00 (62.70 to 63.70): BN011657.D (-287) (-)





#5

Phenol-d6

Concen: 3.671 ng

RT: 6.91 min Scan# 488

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

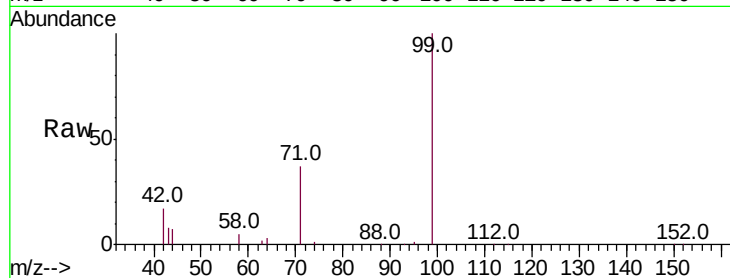
Tot Ion: 99 Resp: 38579

Ion Ratio Lower Upper

99 100

42 23.1 20.2 30.2

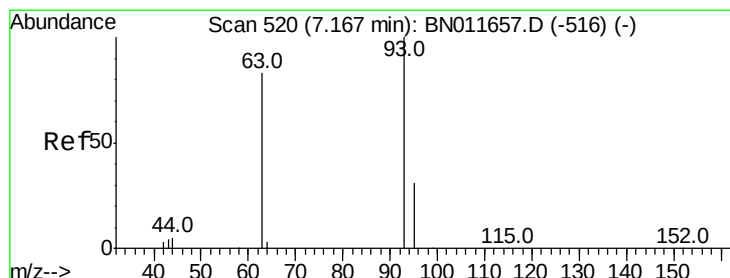
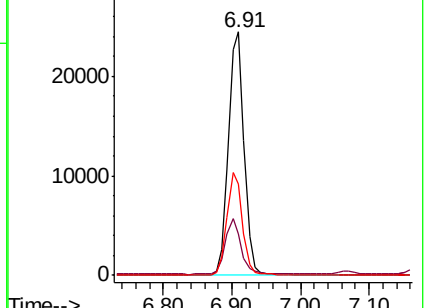
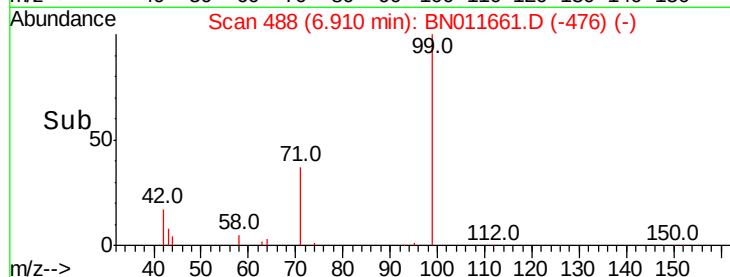
71 40.9 33.3 49.9



Abundance Ion 99.00 (98.70 to 99.70): BN011657.D (-482) (-)

Ion 42.00 (41.70 to 42.70): BN011657.D (-482) (-)

Ion 71.00 (70.70 to 71.70): BN011657.D (-482) (-)



#6

bis(2-Chloroethyl)ether

Concen: 4.035 ng

RT: 7.17 min Scan# 520

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

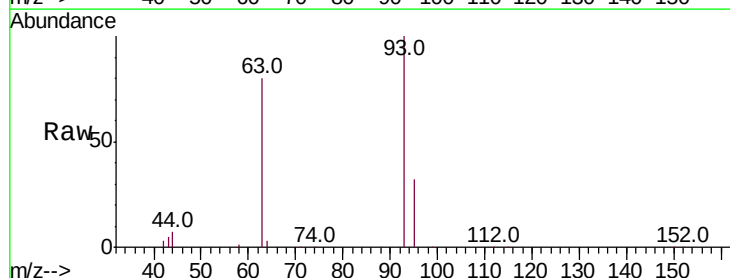
Tgt Ion: 93 Resp: 30129

Ion Ratio Lower Upper

93 100

63 76.2 62.2 93.4

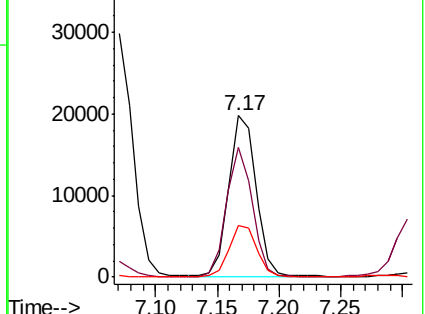
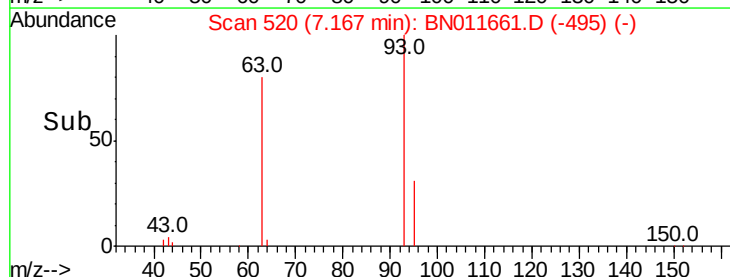
95 32.2 26.6 39.8

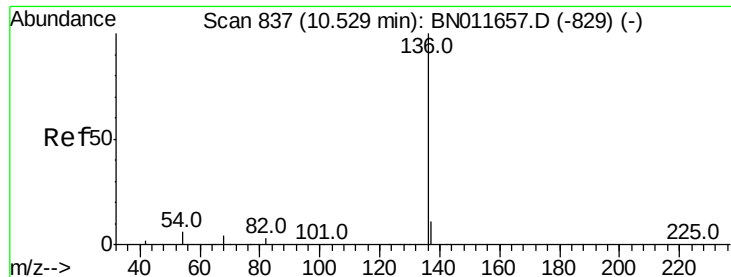


Abundance Ion 93.00 (92.70 to 93.70): BN011657.D (-516) (-)

Ion 63.00 (62.70 to 63.70): BN011657.D (-516) (-)

Ion 95.00 (94.70 to 95.70): BN011657.D (-516) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.53 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

Tot Ion:136 Resp: 8045

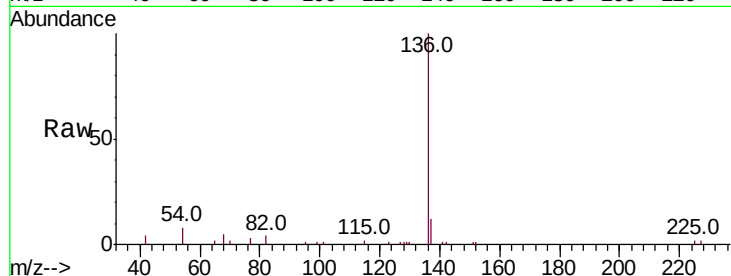
Ion Ratio Lower Upper

136 100

137 12.1 9.3 13.9

54 7.7 5.8 8.8

68 5.4 4.1 6.1

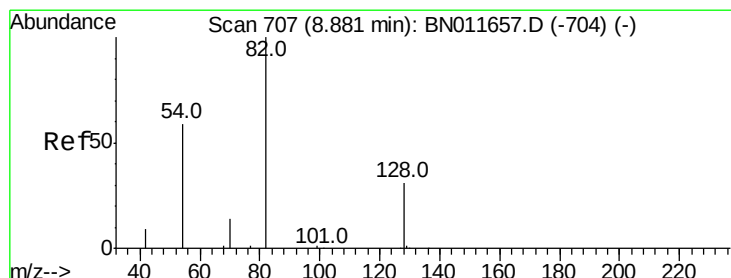
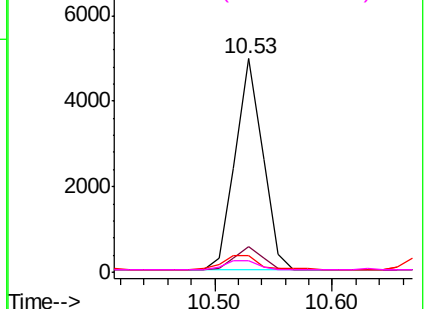
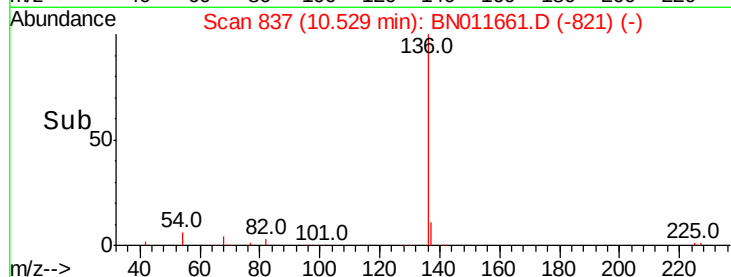


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.073 ng

RT: 8.88 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

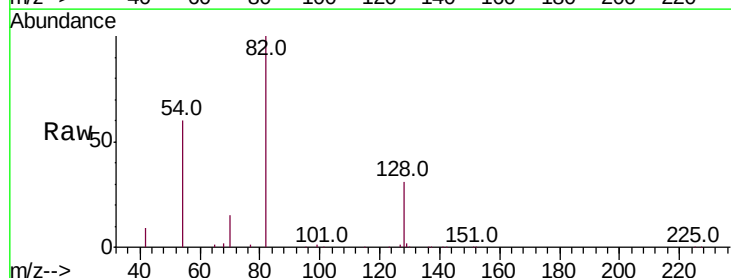
Tgt Ion: 82 Resp: 35342

Ion Ratio Lower Upper

82 100

128 31.4 26.2 39.2

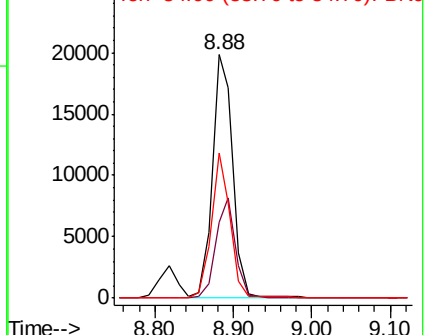
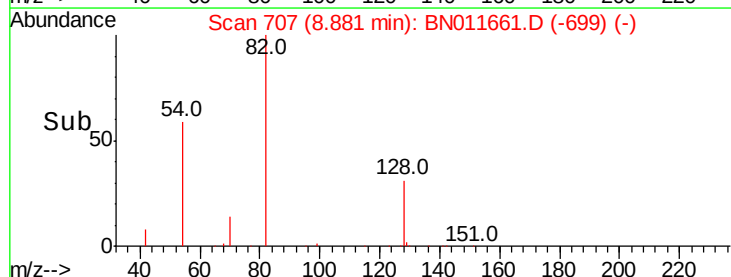
54 59.6 48.2 72.4

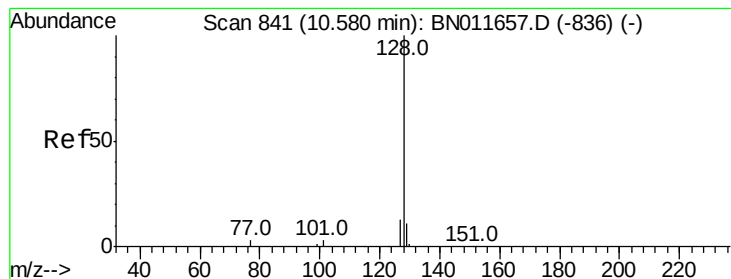


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 4.520 ng

RT: 10.58 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

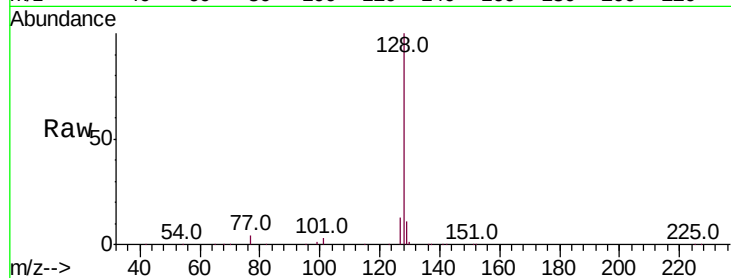
Tot Ion:128 Resp: 103389

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

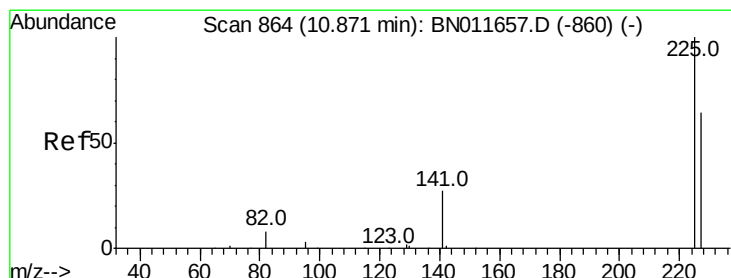
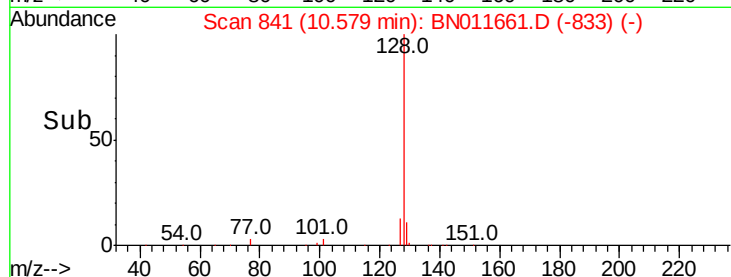
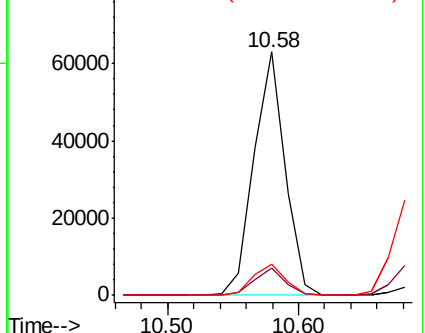
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 4.627 ng

RT: 10.87 min Scan# 864

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

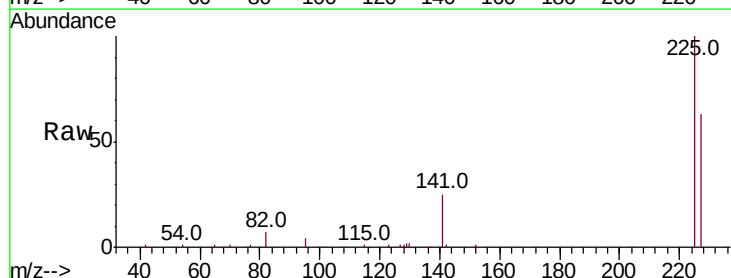
Tgt Ion:225 Resp: 22169

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

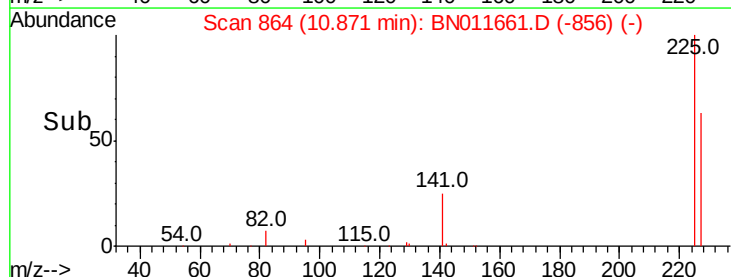
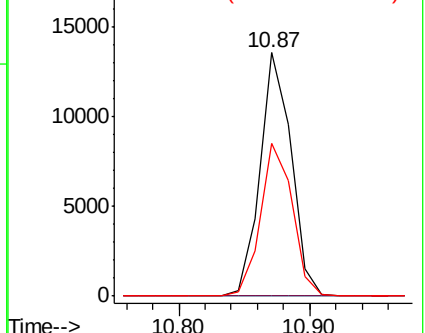
227 63.9 52.3 78.5

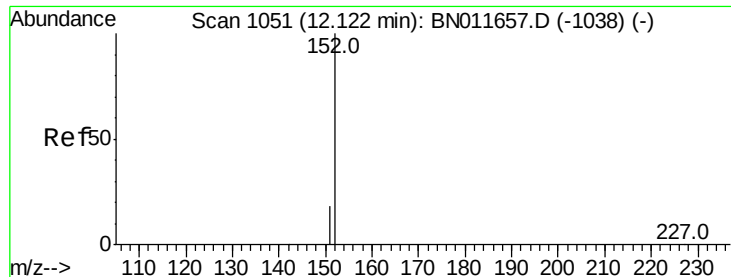


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

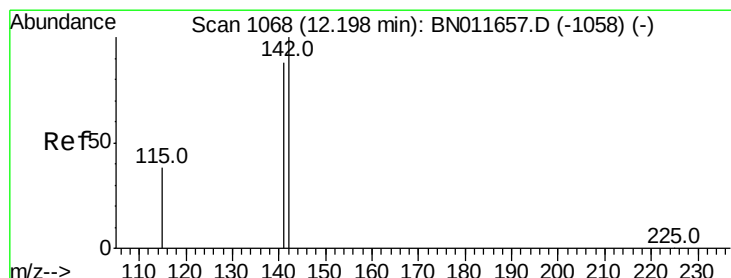
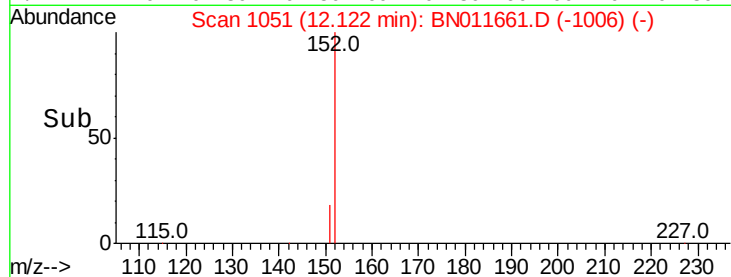
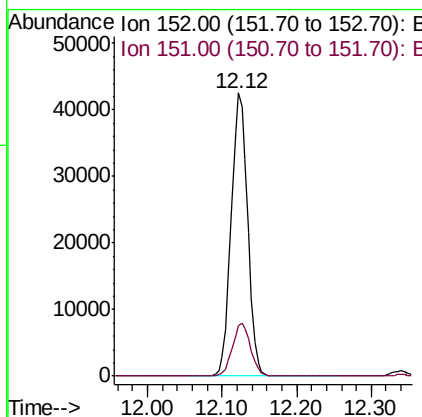
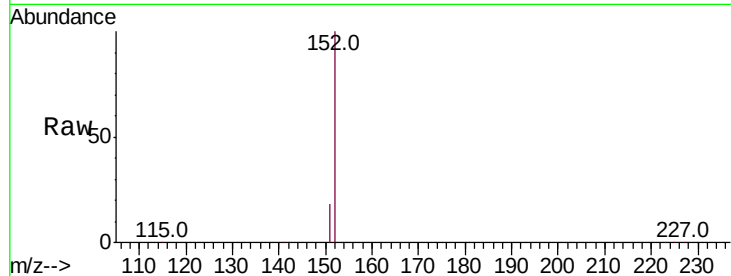




#11  
2-Methylnaphthalene-d10  
Concen: 4.295 ng  
RT: 12.12 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

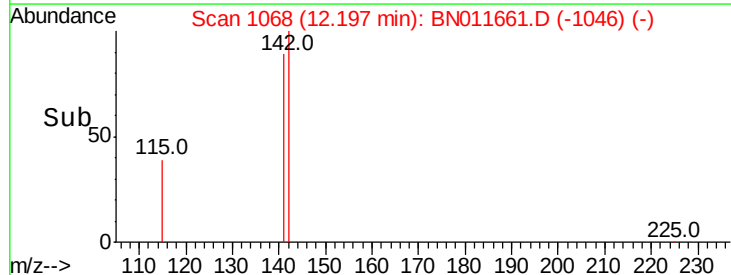
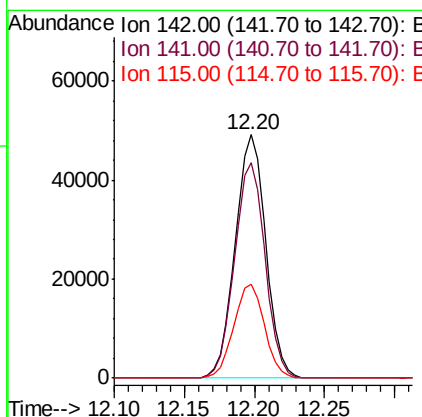
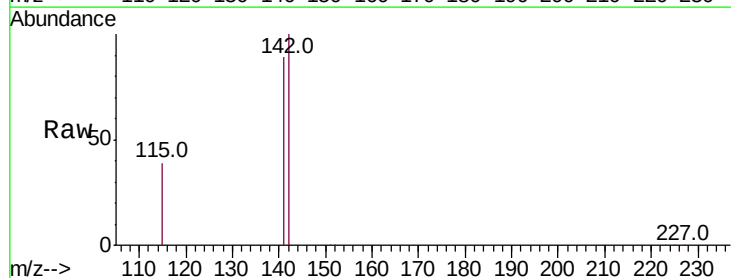
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDIC5.0

Tot Ion:152 Resp: 65428  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.7 25.1

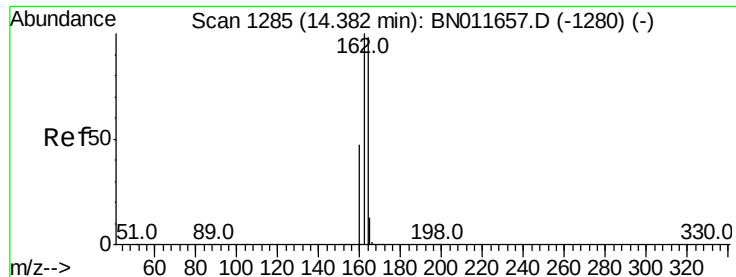


#12  
2-Methylnaphthalene  
Concen: 4.381 ng  
RT: 12.20 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

Tgt Ion:142 Resp: 73945  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.6 106.0  
115 38.6 31.3 46.9







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

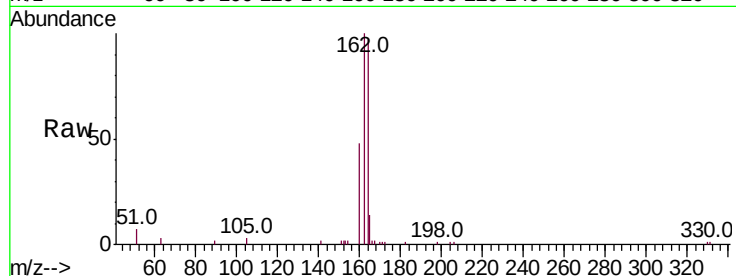
Tot Ion:164 Resp: 4867

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

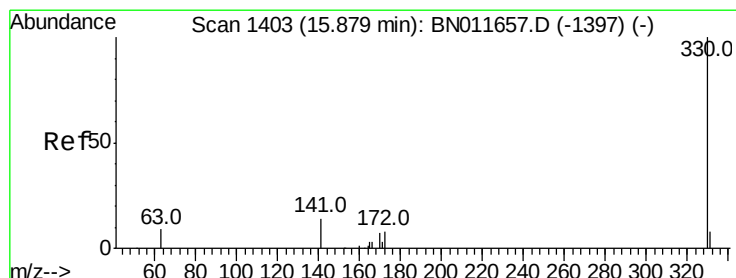
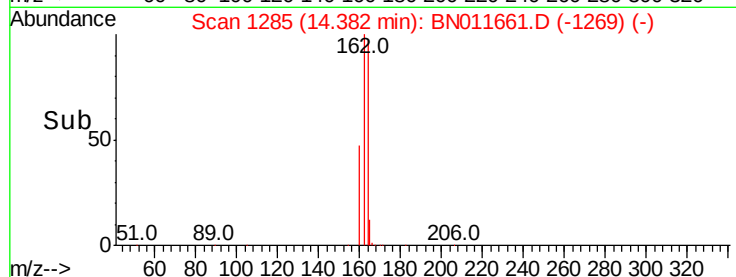
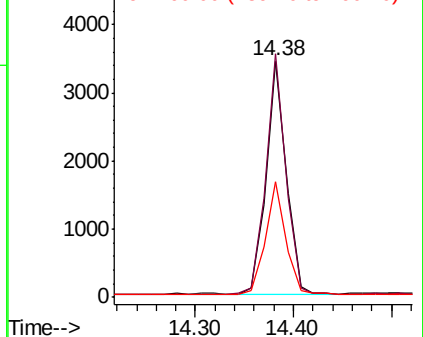
160 49.1 38.5 57.7



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: 4.289 ng

RT: 15.88 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

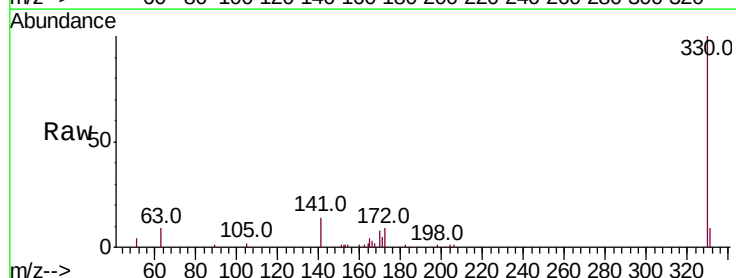
Tgt Ion:330 Resp: 11470

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

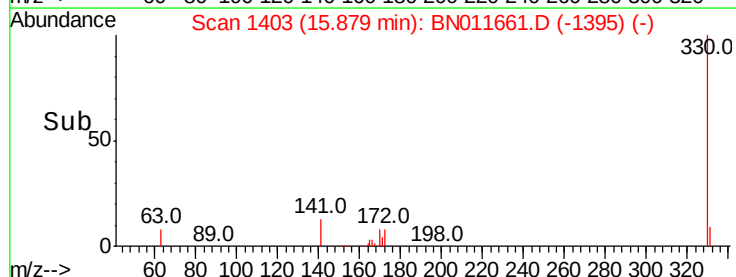
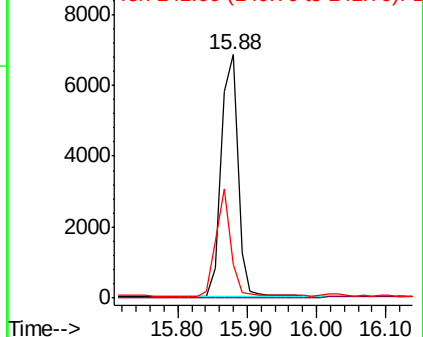
141 38.5 30.0 45.0

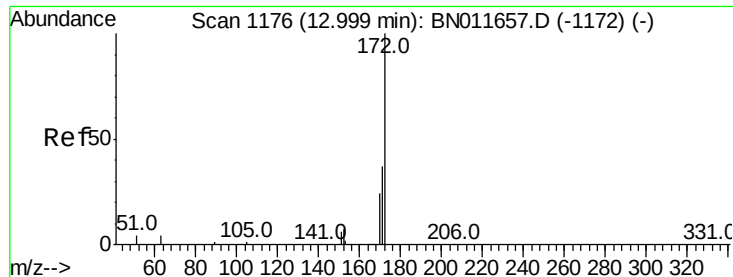


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 4.800 ng

RT: 13.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

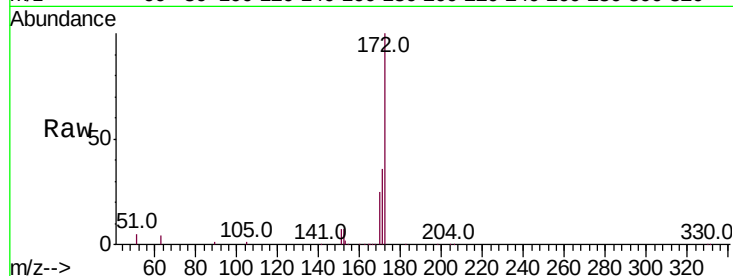
BNA\_N

ClientSampleId :

SSTDICC5.0

Tot Ion:172 Resp: 90935

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 30.0  | 45.0  |
| 170 | 24.5  | 20.1  | 30.1  |

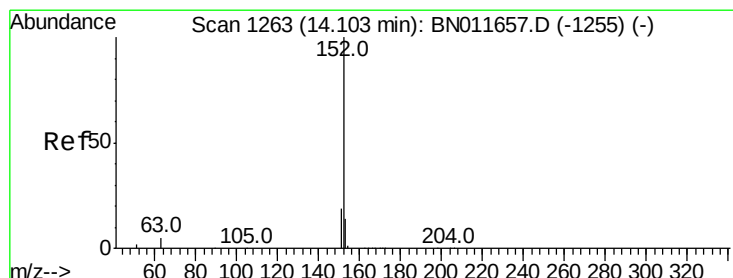
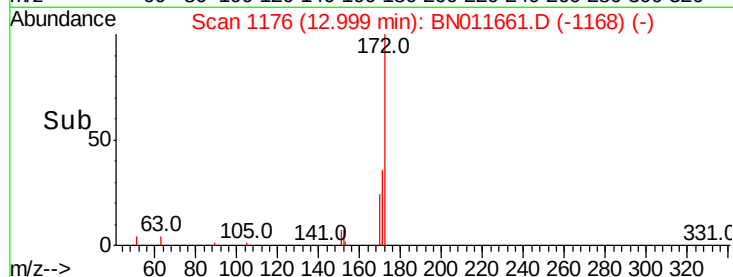
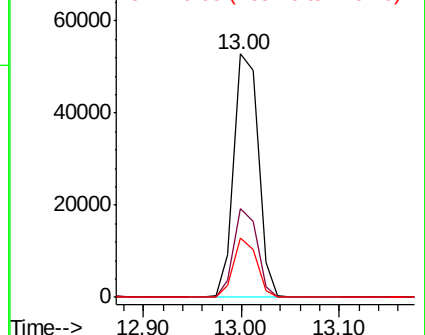


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 4.440 ng

RT: 14.10 min Scan# 1263

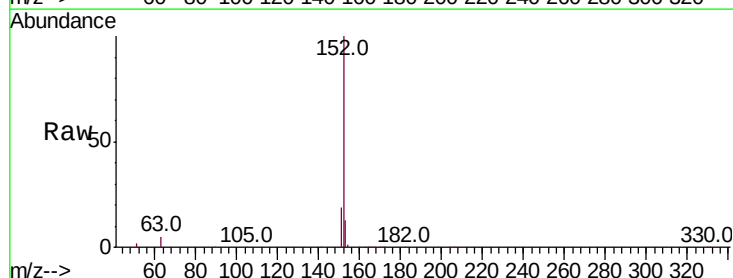
Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Tgt Ion:152 Resp: 113868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.4  | 15.6  | 23.4  |
| 153 | 13.1  | 10.5  | 15.7  |

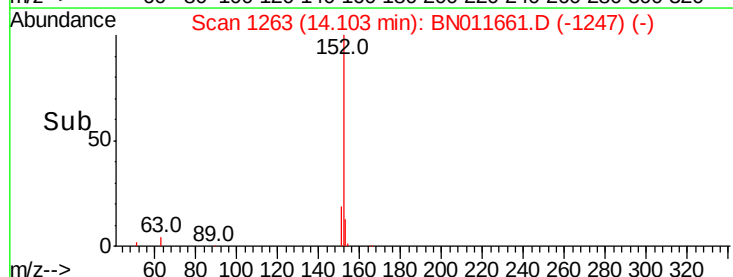
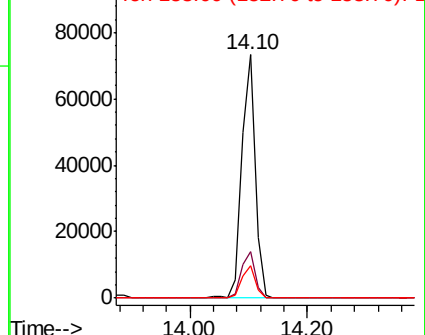


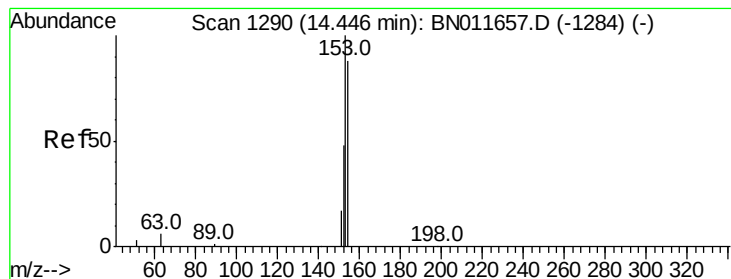
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 4.666 ng

RT: 14.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

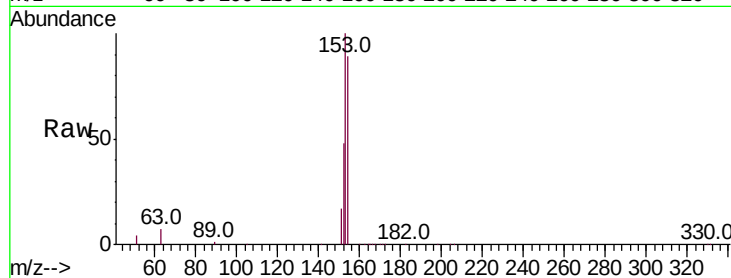
Tot Ion:154 Resp: 75892

Ion Ratio Lower Upper

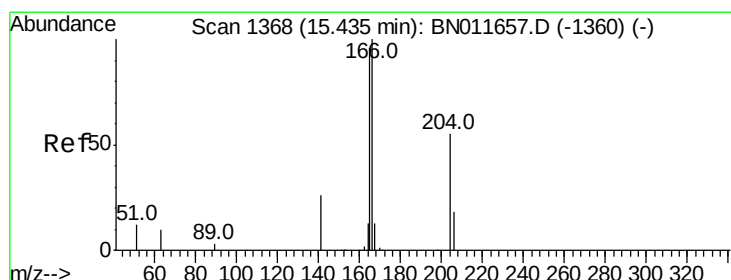
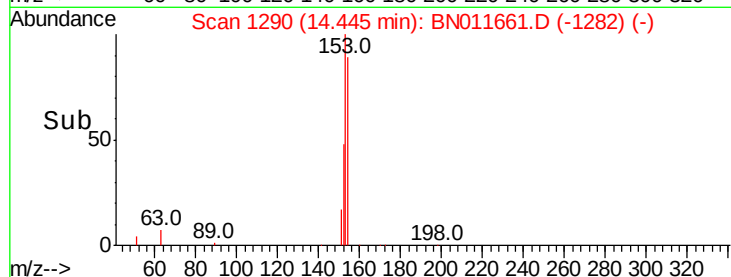
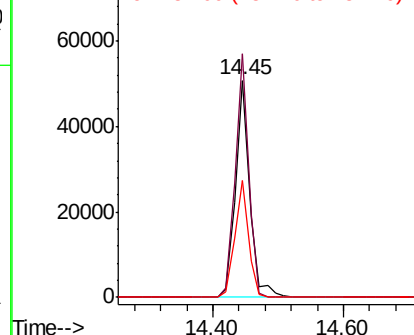
154 100

153 106.7 89.2 133.8

152 51.8 44.1 66.1



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: 4.599 ng

RT: 15.44 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

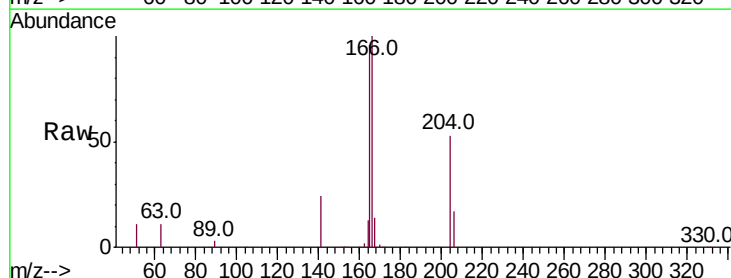
Tgt Ion:166 Resp: 96810

Ion Ratio Lower Upper

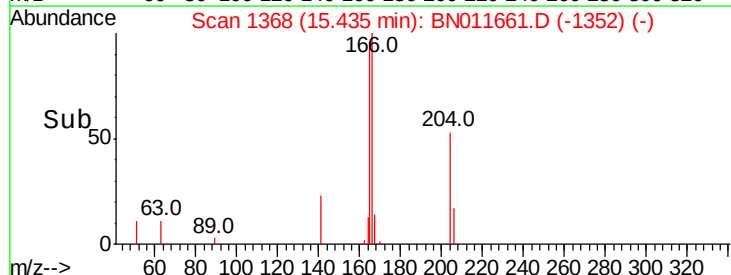
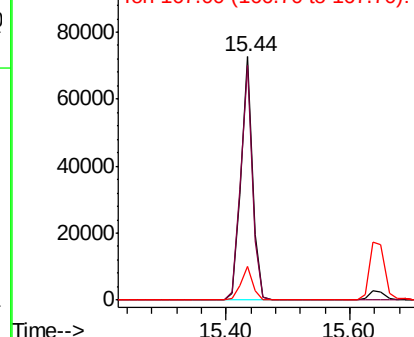
166 100

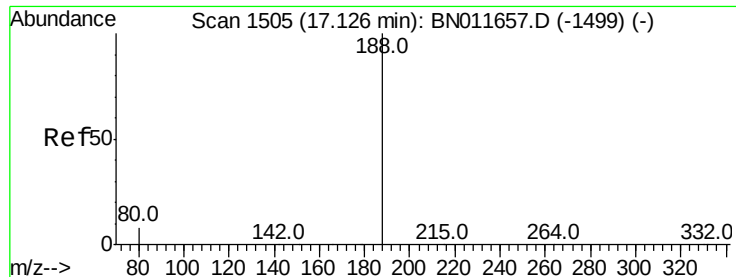
165 97.3 77.7 116.5

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

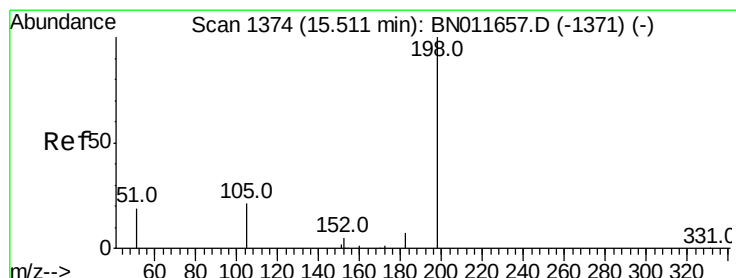
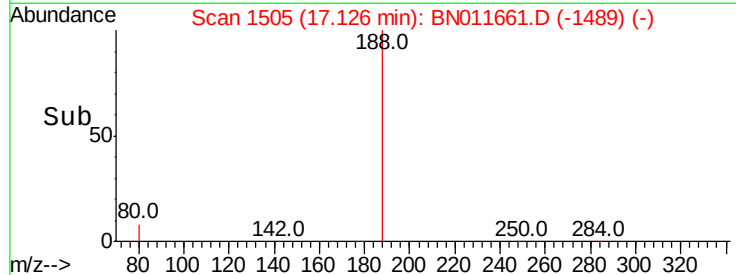
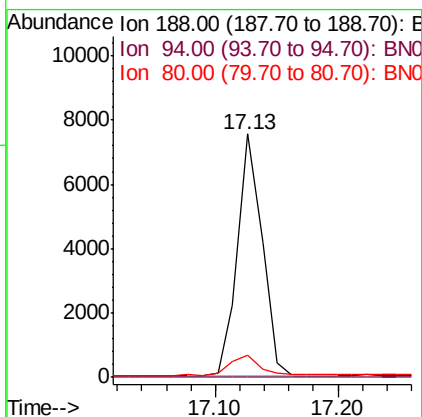
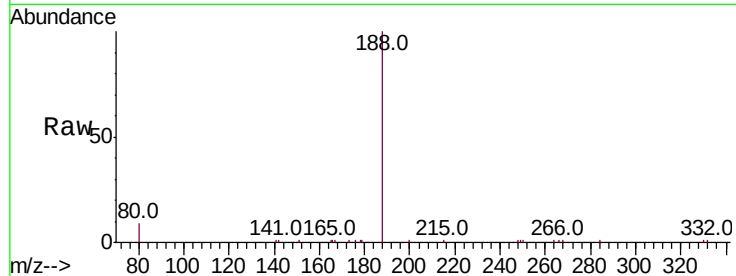




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.13 min Scan# 1505  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

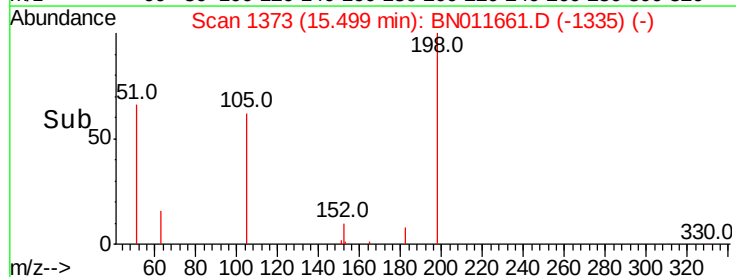
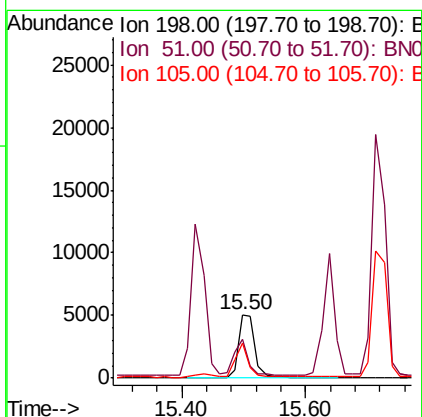
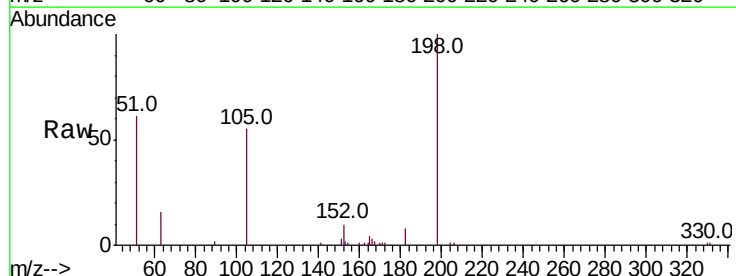
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

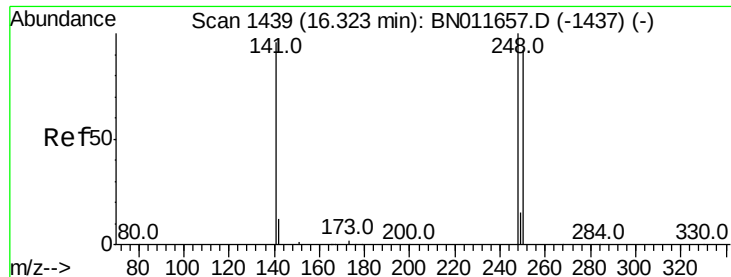
Tot Ion:188 Resp: 10513  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.2 6.6 9.8



#20  
4,6-Dinitro-2-methylphenol  
Concen: 7.382 ng  
RT: 15.50 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

Tgt Ion:198 Resp: 8948  
Ion Ratio Lower Upper  
198 100  
51 61.2 58.6 87.8  
105 55.1 31.7 47.5

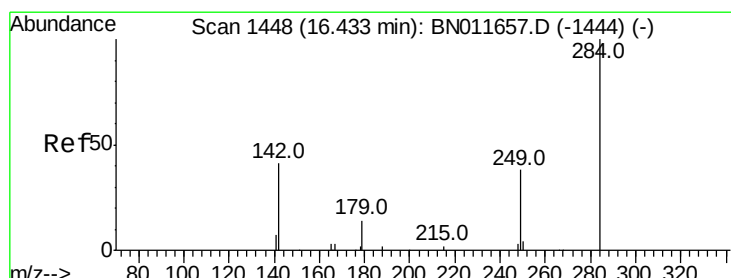
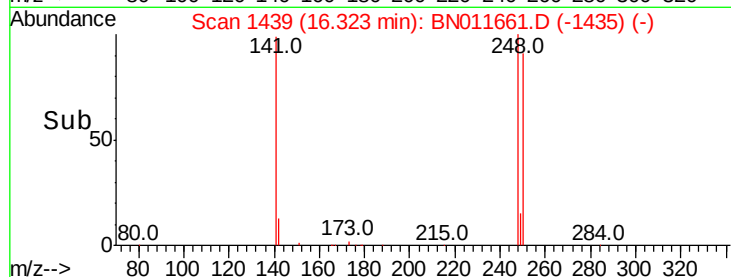
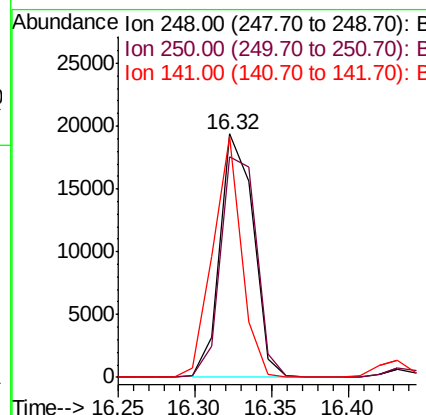
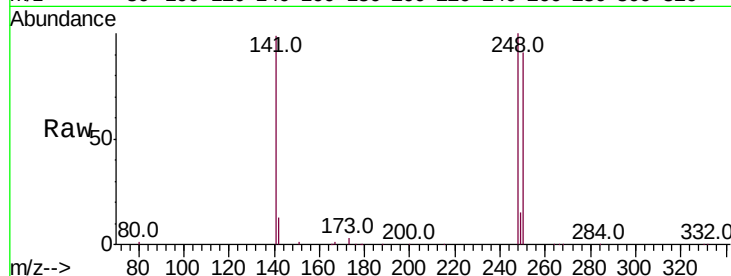




#21  
4-Bromophenyl-phenylether  
Concen: 4.690 ng  
RT: 16.32 min Scan# 1439  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

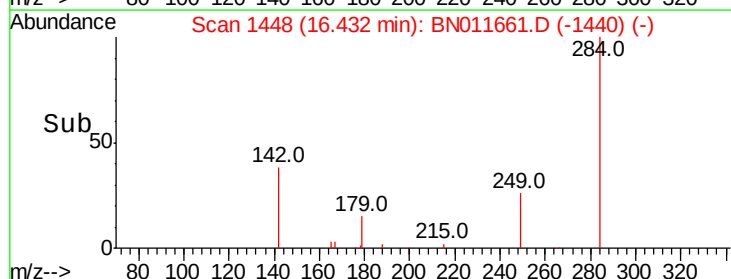
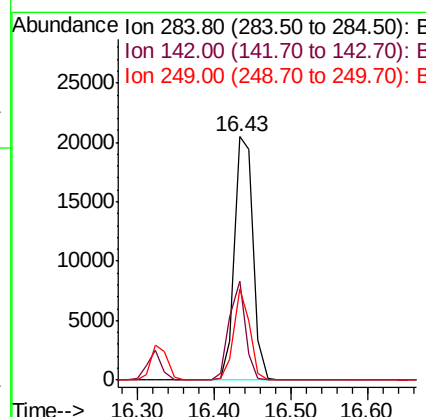
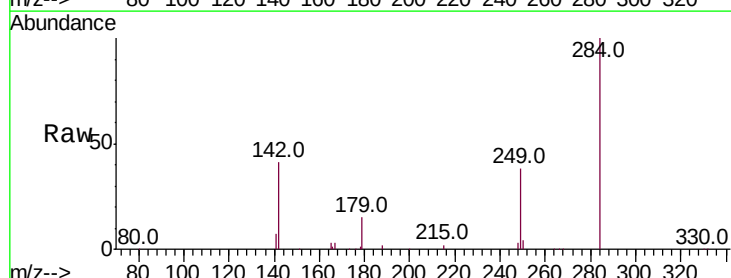
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

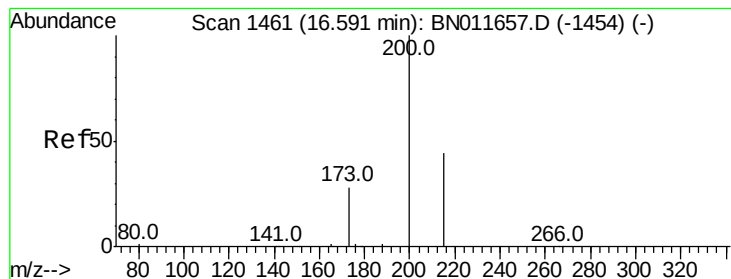
Tot Ion:248 Resp: 28760  
Ion Ratio Lower Upper  
248 100  
250 90.7 73.9 110.9  
141 98.8 79.8 119.6



#22  
Hexachlorobenzene  
Concen: 4.793 ng  
RT: 16.43 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

Tgt Ion:284 Resp: 33984  
Ion Ratio Lower Upper  
284 100  
142 35.0 29.0 43.4  
249 32.1 25.7 38.5





#23

Atrazine

Concen: 4.289 ng

RT: 16.59 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

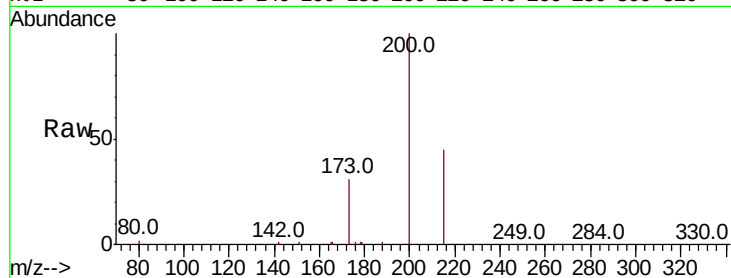
Tot Ion:200 Resp: 25984

Ion Ratio Lower Upper

200 100

173 30.9 24.3 36.5

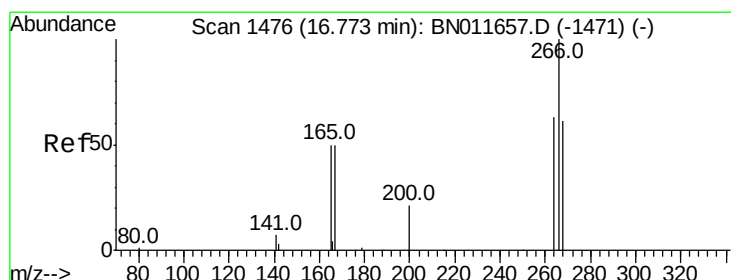
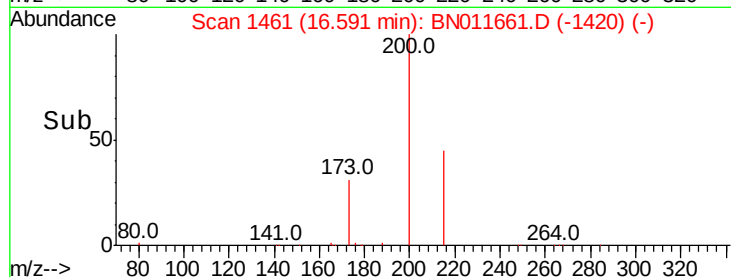
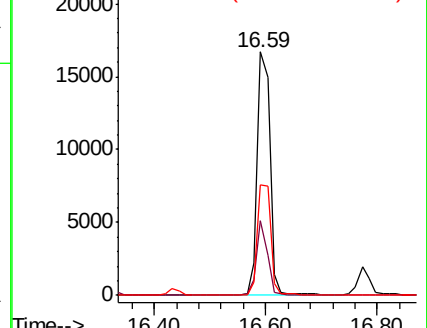
215 45.2 36.4 54.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 4.760 ng

RT: 16.79 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

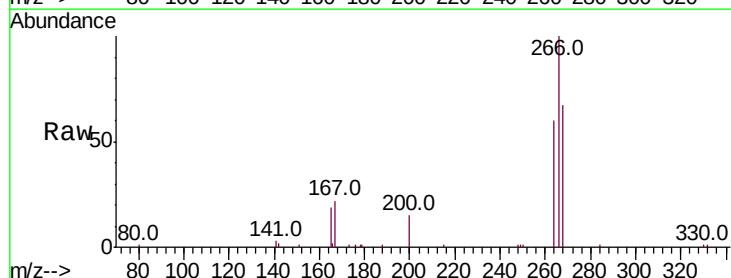
Tgt Ion:266 Resp: 14894

Ion Ratio Lower Upper

266 100

264 63.2 49.5 74.3

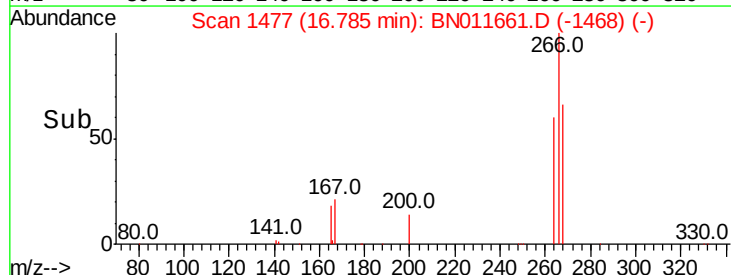
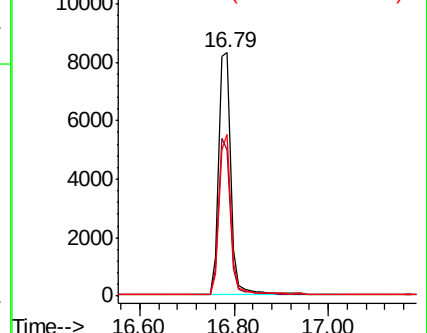
268 64.0 53.0 79.4

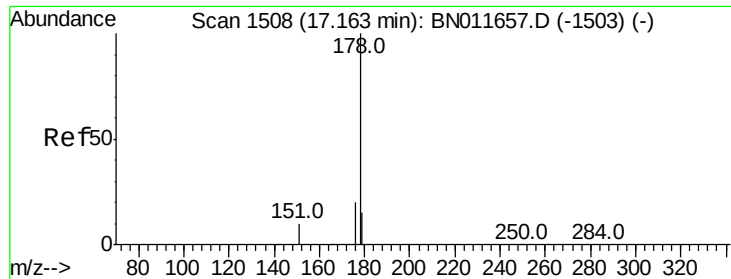


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 4.773 ng

RT: 17.17 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

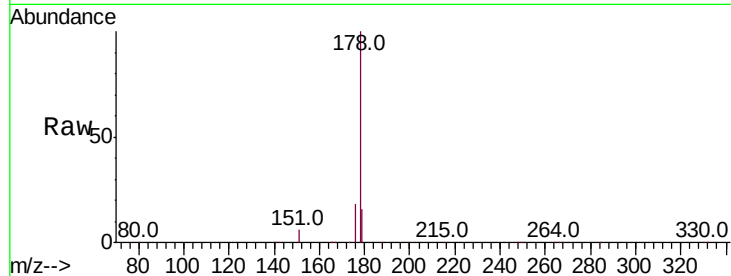
Tot Ion:178 Resp: 155909

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.3 12.4 18.6

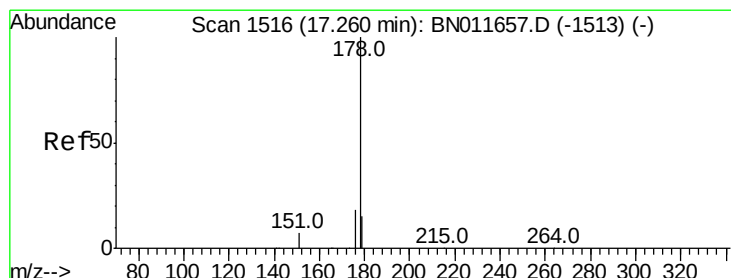
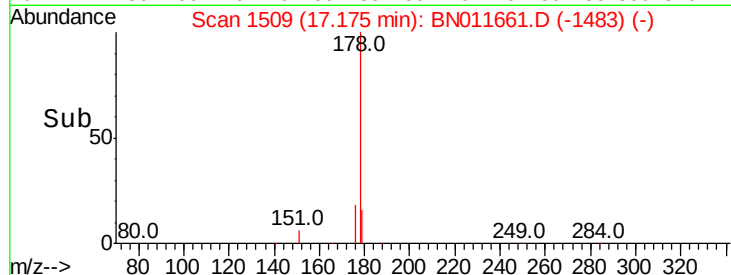
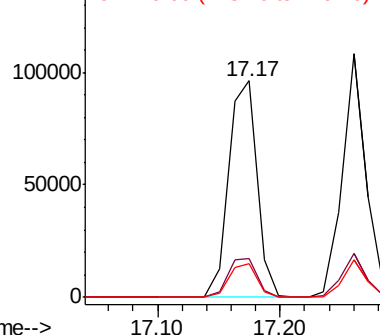


Abundance

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



#26

Anthracene

Concen: 4.532 ng

RT: 17.26 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

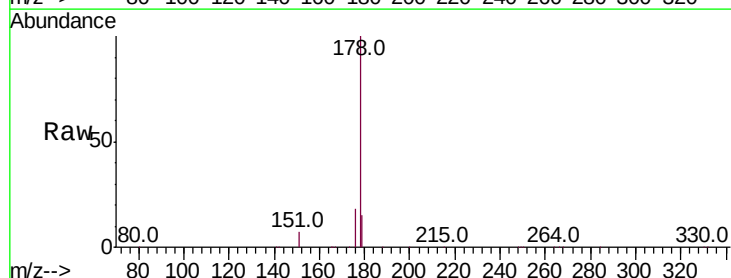
Tgt Ion:178 Resp: 145784

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

179 15.3 12.2 18.4

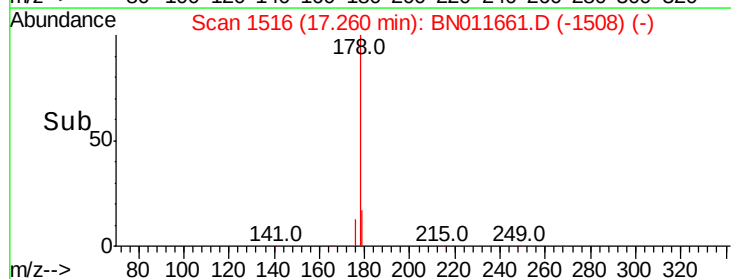
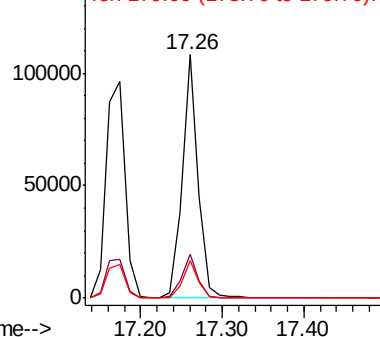


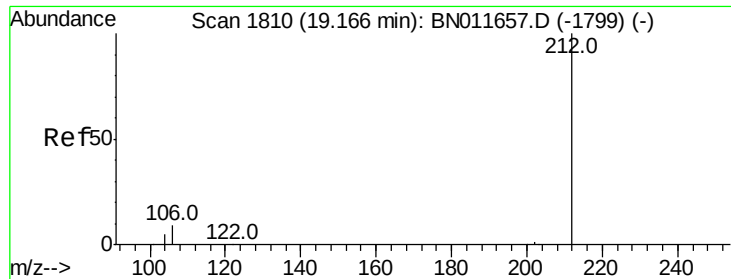
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

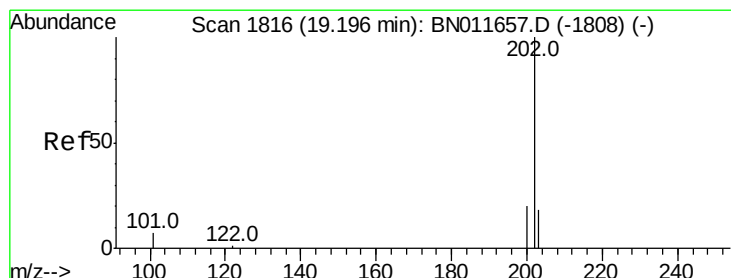
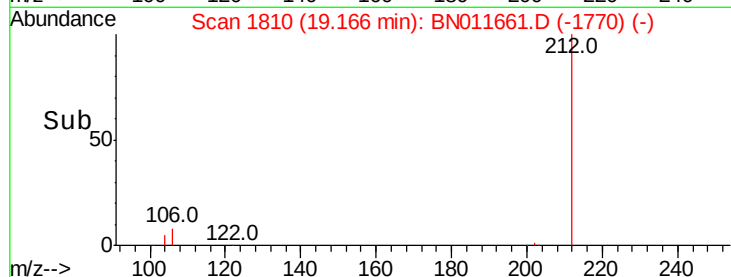
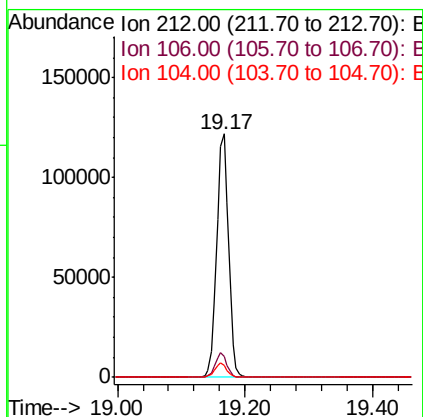
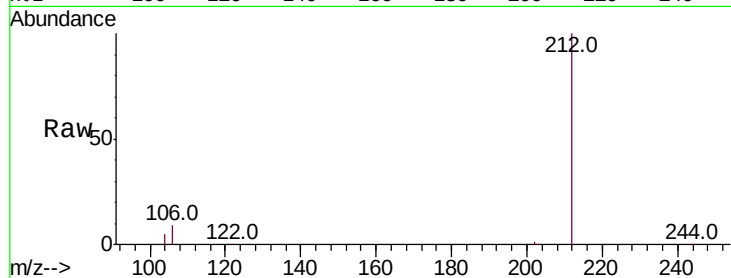




#27  
 Fluoranthene-d10  
 Concen: 4.585 ng  
 RT: 19.17 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: BN011661.D  
 Acq: 27 Aug 2020 13:14

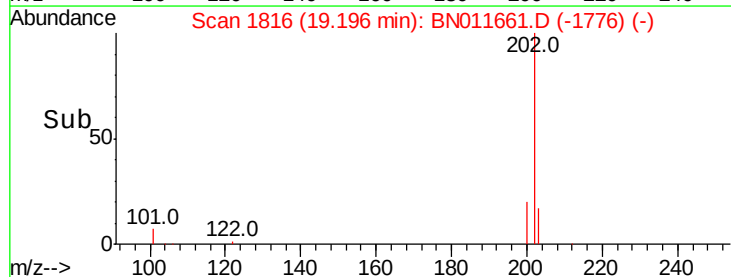
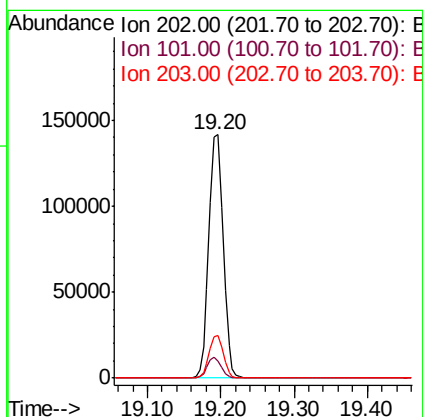
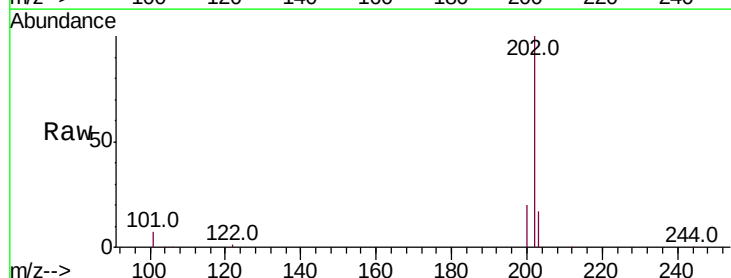
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC5.0

Tot Ion:212 Resp: 157087  
 Ion Ratio Lower Upper  
 212 100  
 106 9.8 7.6 11.4  
 104 5.7 4.6 6.8

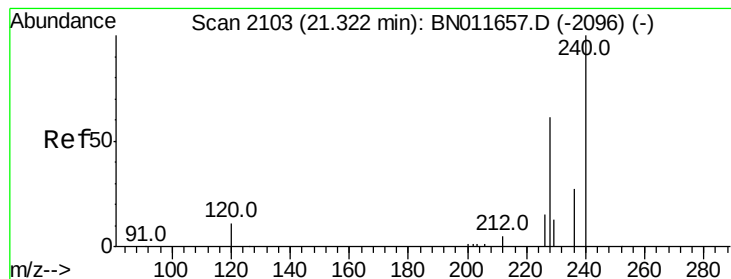


#28  
 Fluoranthene  
 Concen: 4.795 ng  
 RT: 19.20 min Scan# 1816  
 Delta R.T. -0.00 min  
 Lab File: BN011661.D  
 Acq: 27 Aug 2020 13:14

Tgt Ion:202 Resp: 189746  
 Ion Ratio Lower Upper  
 202 100  
 101 8.4 6.5 9.7  
 203 17.3 13.8 20.6







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

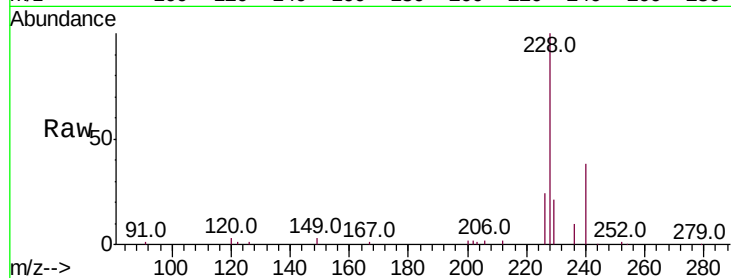
Tot Ion:240 Resp: 12352

Ion Ratio Lower Upper

240 100

120 8.6 9.9 14.9#

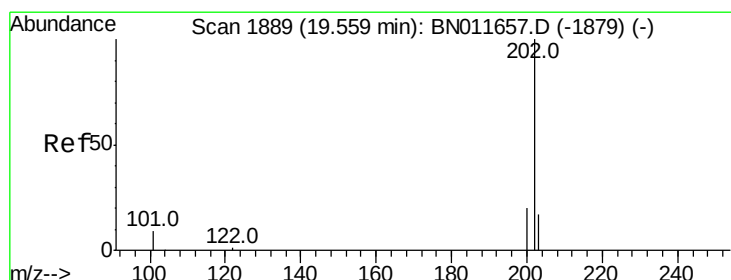
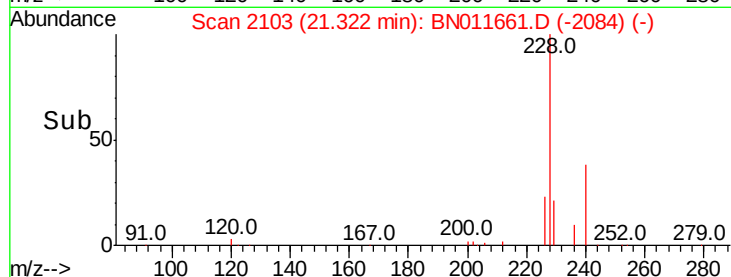
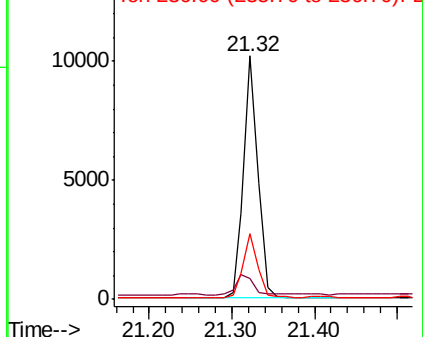
236 27.2 22.2 33.4



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



#30

Pyrene

Concen: 4.394 ng

RT: 19.56 min Scan# 1889

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

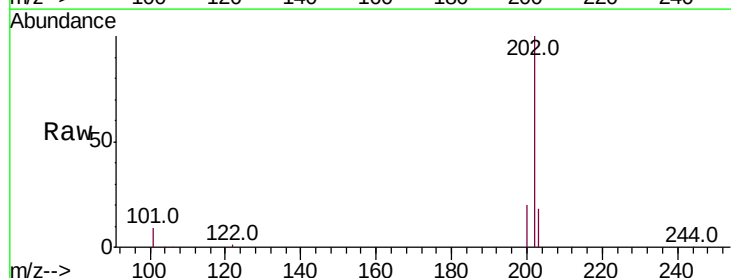
Tgt Ion:202 Resp: 192419

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

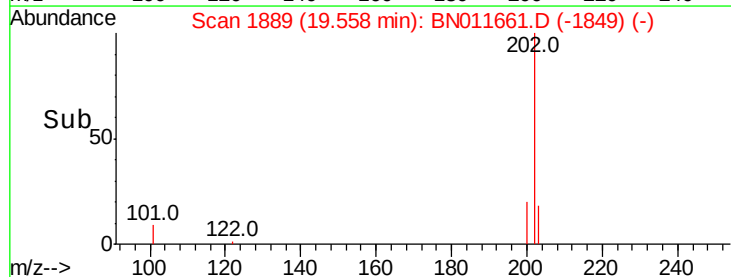
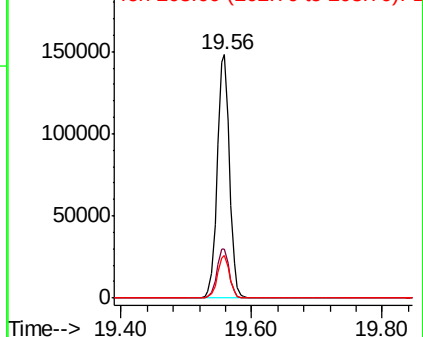
203 17.4 14.1 21.1

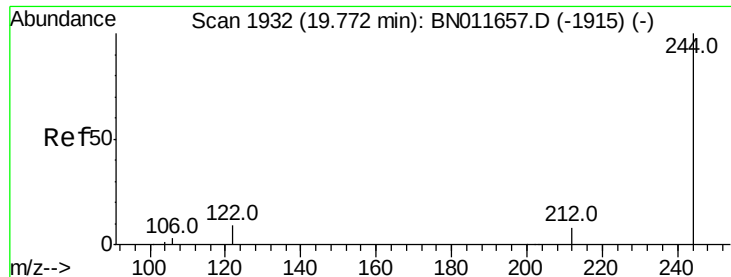


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 4.257 ng

RT: 19.77 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

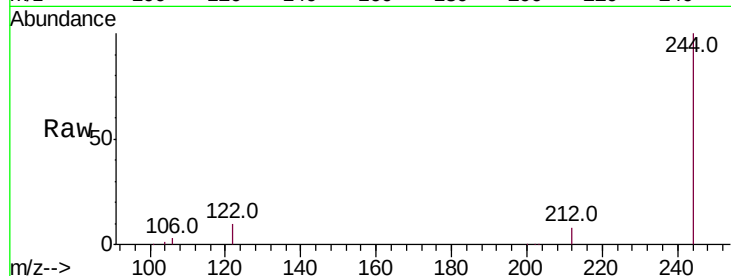
Tot Ion:244 Resp: 134349

Ion Ratio Lower Upper

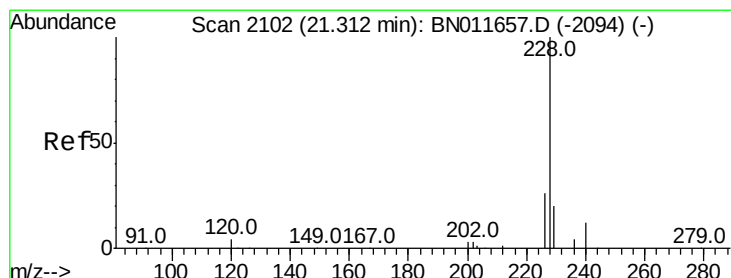
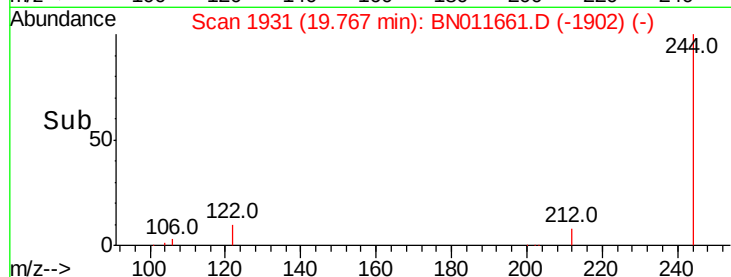
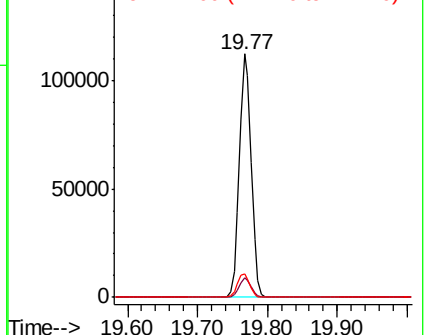
244 100

212 7.9 6.5 9.7

122 9.8 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E  
150000 Ion 212.00 (211.70 to 212.70): E  
100000 Ion 122.00 (121.70 to 122.70): E  
50000  
0



#32

Benzo(a)anthracene

Concen: 4.529 ng

RT: 21.31 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

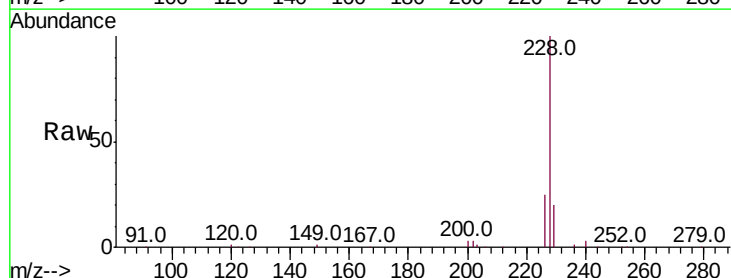
Tgt Ion:228 Resp: 201755

Ion Ratio Lower Upper

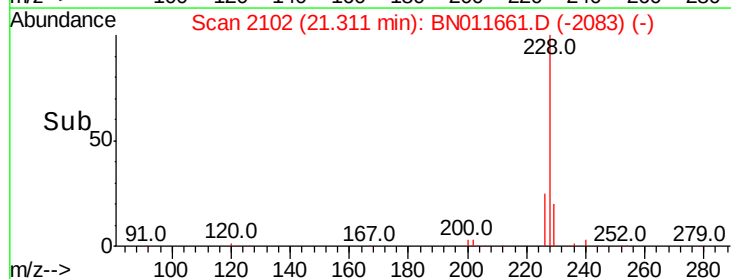
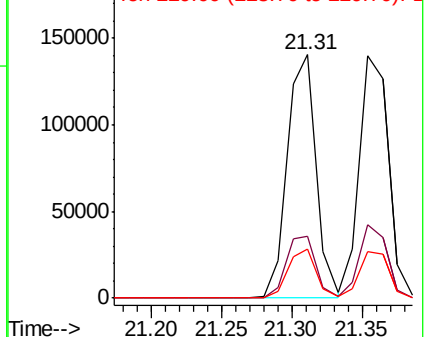
228 100

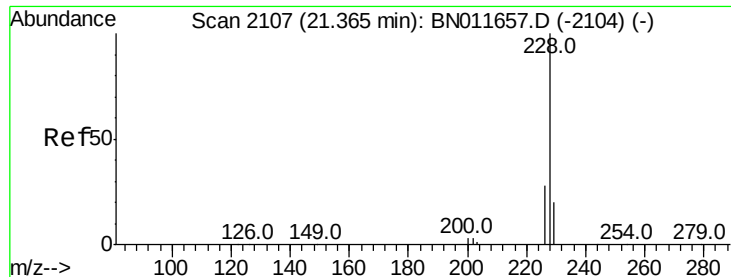
226 25.4 21.2 31.8

229 20.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E  
150000 Ion 226.00 (225.70 to 226.70): E  
100000 Ion 229.00 (228.70 to 229.70): E  
50000  
0





#33

Chrysene

Concen: 4.736 ng

RT: 21.35 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

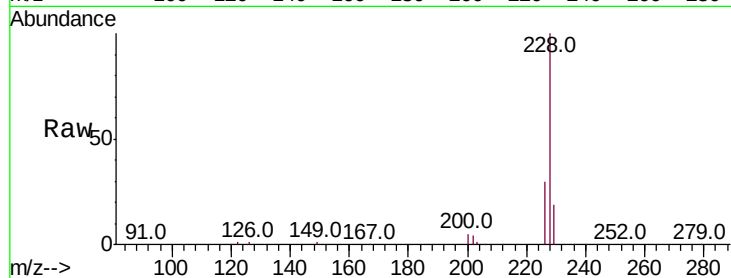
Tot Ion:228 Resp: 201118

Ion Ratio Lower Upper

228 100

226 30.0 22.7 34.1

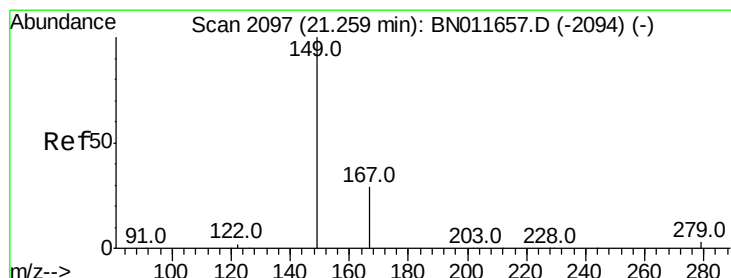
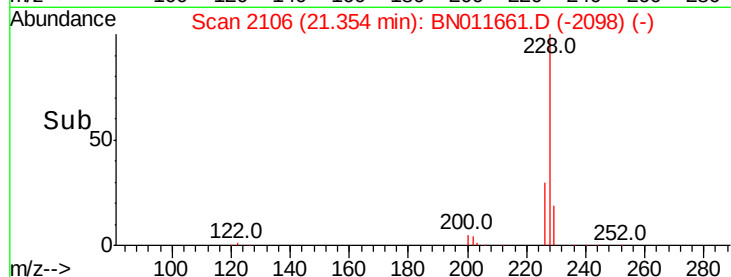
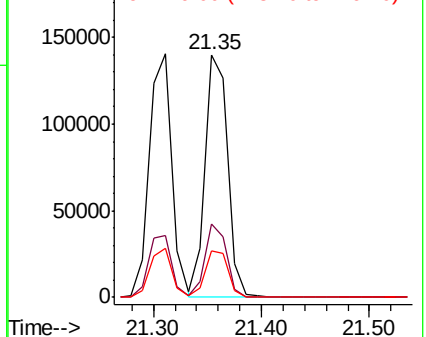
229 19.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 2.741 ng

RT: 21.26 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

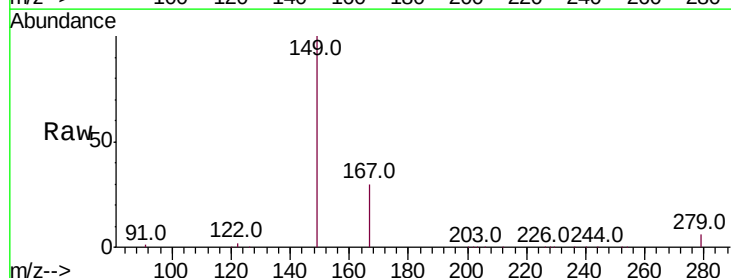
Tgt Ion:149 Resp: 86928

Ion Ratio Lower Upper

149 100

167 28.5 23.2 34.8

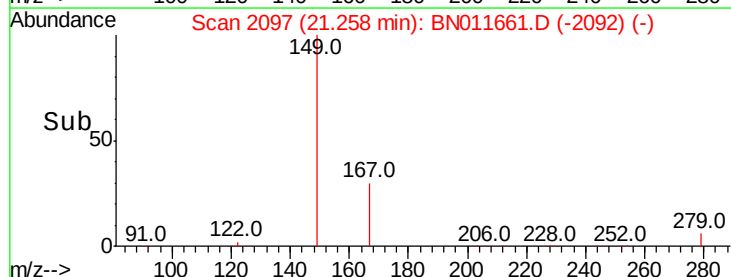
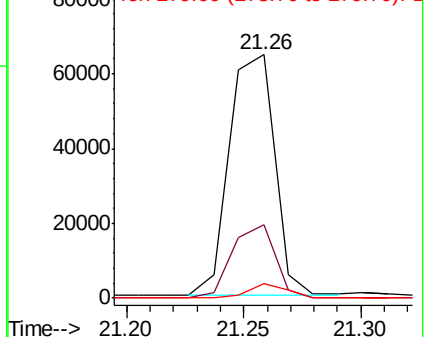
279 4.8 4.0 6.0

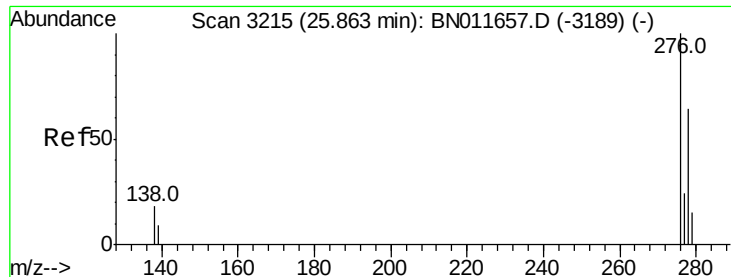


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Indeno(1,2,3-cd)pyrene

Concen: 5.078 ng

RT: 25.86 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

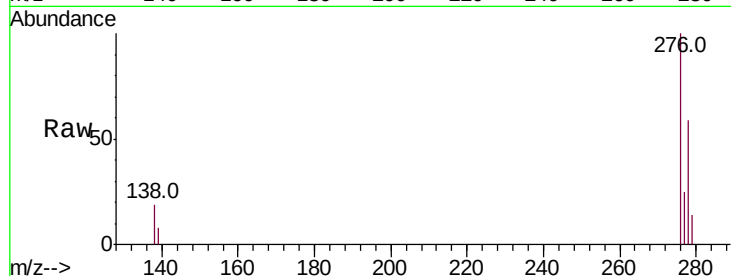
Tot Ion:276 Resp: 263197

Ion Ratio Lower Upper

276 100

138 19.5 15.4 23.2

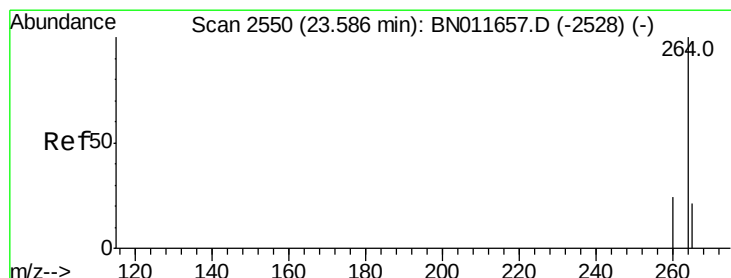
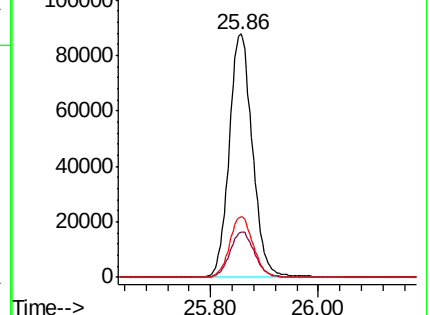
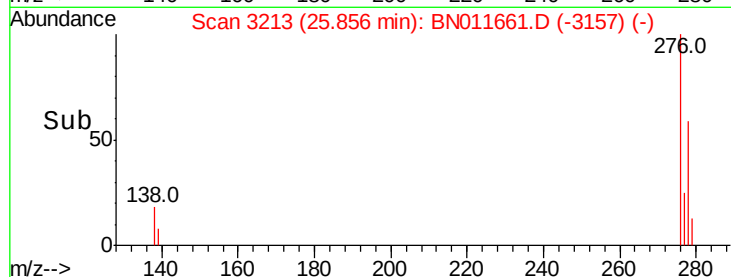
277 25.2 20.1 30.1



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.58 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

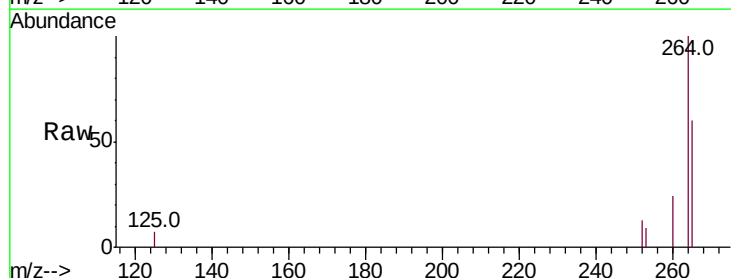
Tgt Ion:264 Resp: 12325

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

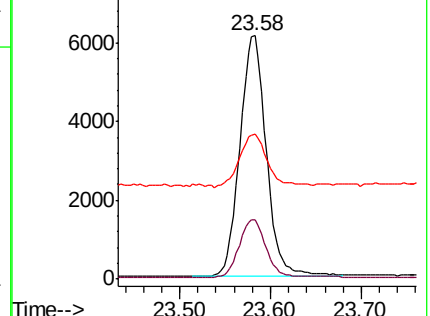
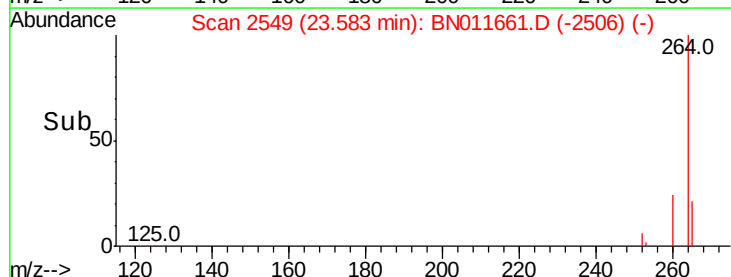
265 59.7 38.9 58.3#

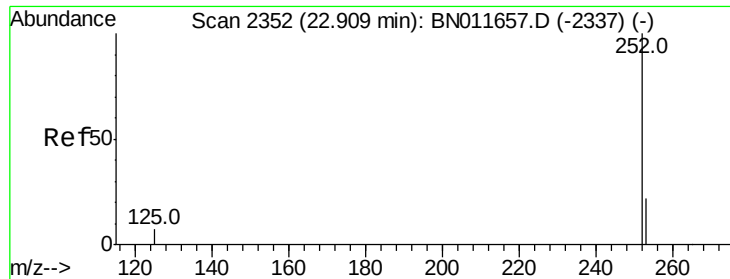


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

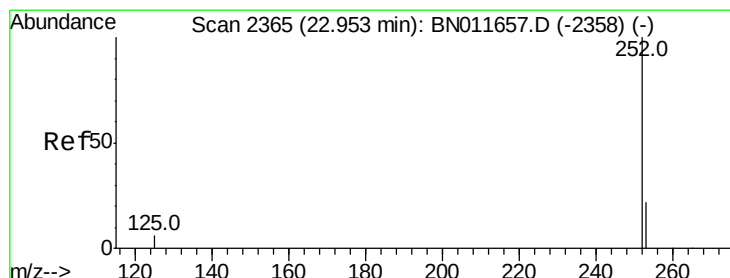
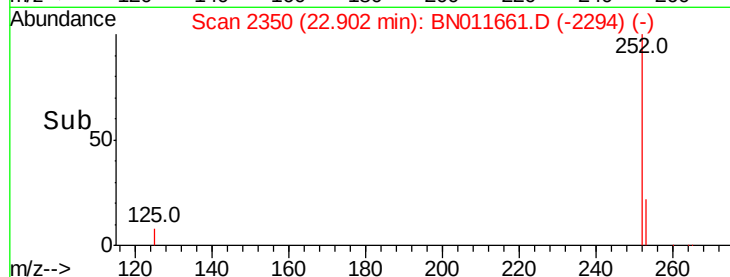
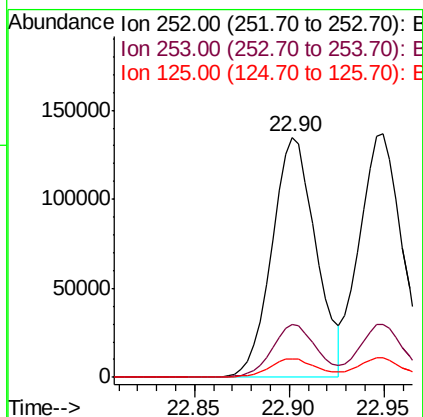
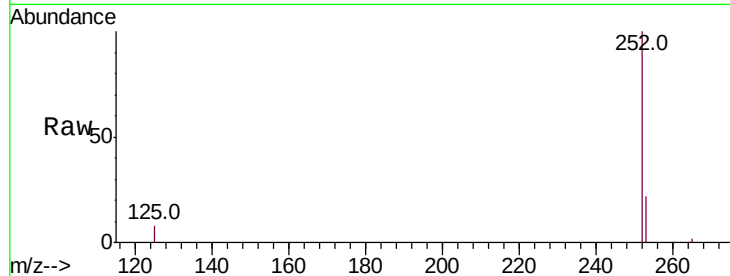




#37  
Benzo(b)fluoranthene  
Concen: 4.835 ng  
RT: 22.90 min Scan# 2350  
Delta R.T. -0.01 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

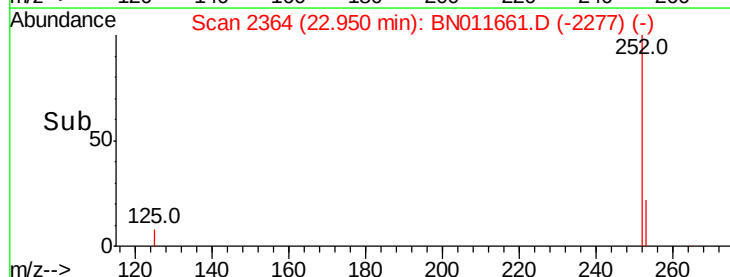
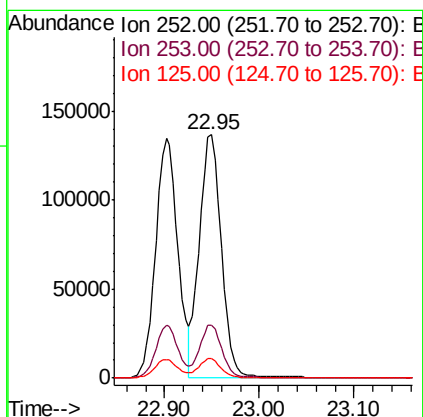
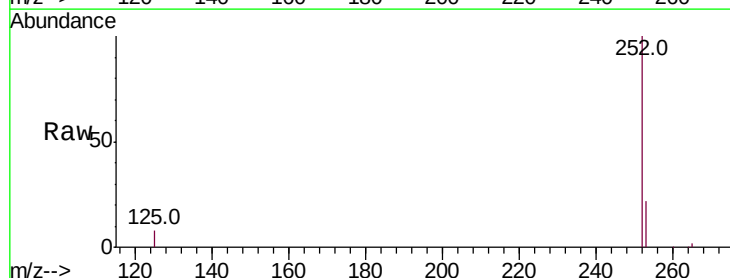
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

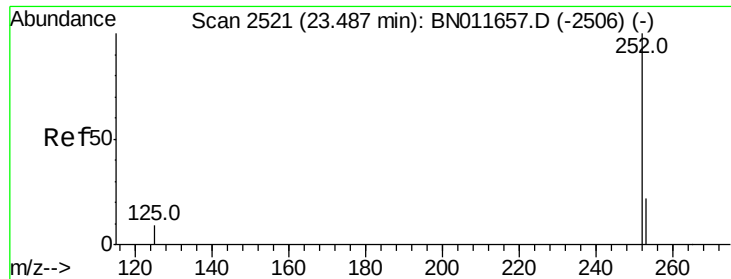
Tot Ion:252 Resp: 215853  
Ion Ratio Lower Upper  
252 100  
253 22.0 19.7 29.5  
125 7.8 7.8 11.8#



#38  
Benzo(k)fluoranthene  
Concen: 4.874 ng  
RT: 22.95 min Scan# 2364  
Delta R.T. -0.00 min  
Lab File: BN011661.D  
Acq: 27 Aug 2020 13:14

Tgt Ion:252 Resp: 216431  
Ion Ratio Lower Upper  
252 100  
253 22.0 19.4 29.0  
125 7.8 8.4 12.6#





#39

Benzo(a)pyrene

Concen: 4.773 ng

RT: 23.48 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

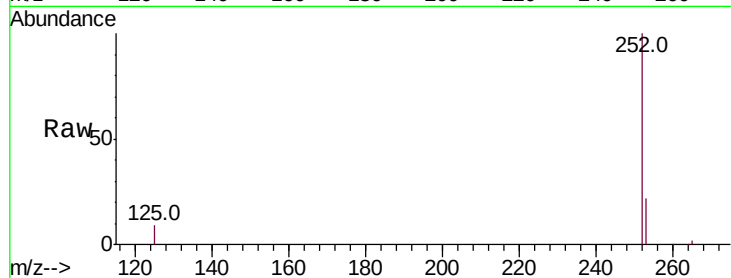
Tot Ion:252 Resp: 198655

Ion Ratio Lower Upper

252 100

253 22.0 20.3 30.5

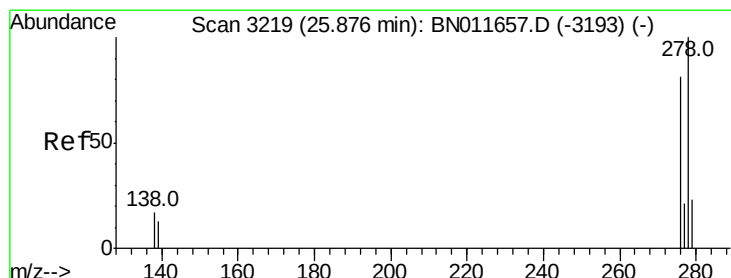
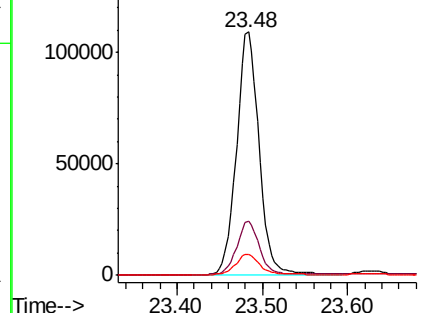
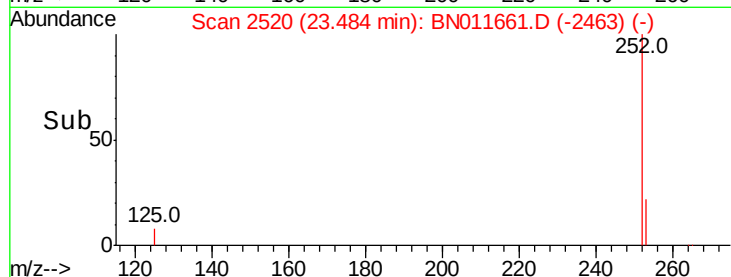
125 8.7 9.8 14.6#



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



#40

Dibenzo(a,h)anthracene

Concen: 5.001 ng

RT: 25.87 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

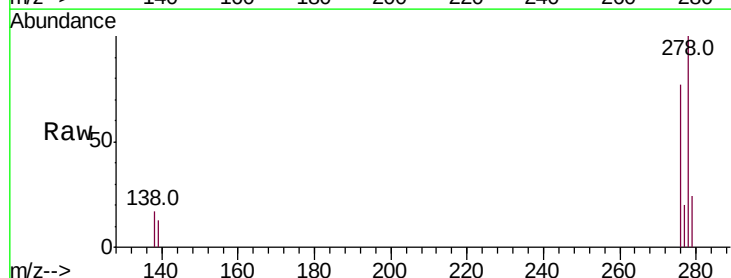
Tgt Ion:278 Resp: 217489

Ion Ratio Lower Upper

278 100

139 12.8 11.0 16.6

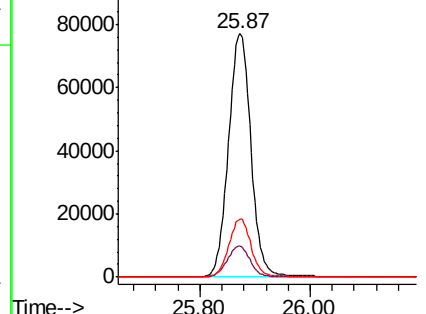
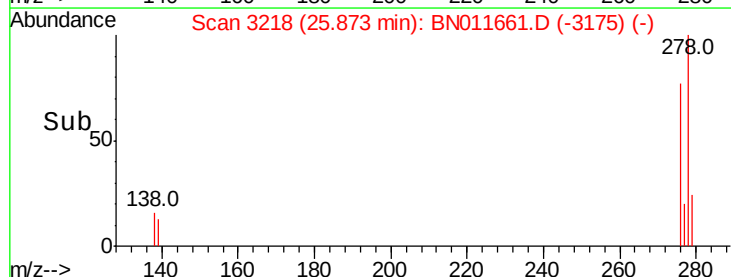
279 23.8 20.5 30.7

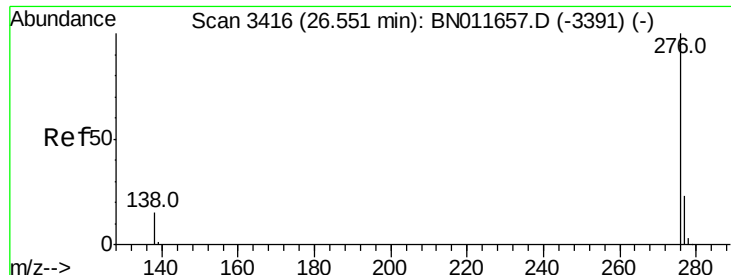


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 5.053 ng

RT: 26.55 min Scan# 3415

Delta R.T. -0.00 min

Lab File: BN011661.D

Acq: 27 Aug 2020 13:14

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

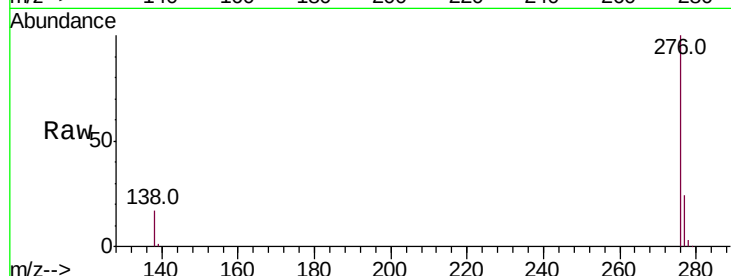
Tot Ion:276 Resp: 213375

Ion Ratio Lower Upper

276 100

277 23.6 19.7 29.5

138 16.7 13.4 20.2



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

