

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\  
 Data File : BN007151.D  
 Acq On : 14 Aug 2019 03:56  
 Operator : HP/JU  
 Sample : K4173-16  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 14 05:24:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 12:12:02 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 9678     | 0.40 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.19 | 136  | 37692    | 0.40 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.08 | 164  | 23047    | 0.40 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.82 | 188  | 48436    | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.05 | 240  | 55783    | 0.40 | ng    | -0.01    |
| 32) Perylene-d12          | 23.16 | 264  | 74374    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 3) 2-Fluorophenol           | 5.06  | 112 | 4054  | 0.17 | ng | 0.00  |
| 4) Phenol-d6                | 6.61  | 99  | 5515  | 0.19 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.56  | 82  | 4430  | 0.15 | ng | 0.00  |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 9430  | 0.13 | ng | 0.00  |
| 13) 2,4,6-Tribromophenol    | 15.57 | 330 | 1630  | 0.13 | ng | 0.00  |
| 14) 2-Fluorobiphenyl        | 12.71 | 172 | 2361  | 0.07 | ng | 0.00  |
| 24) Fluoranthene-d10        | 18.79 | 212 | 22356 | 0.13 | ng | -0.08 |
| 28) Terphenyl-d14           | 19.49 | 244 | 23101 | 0.15 | ng | -0.01 |

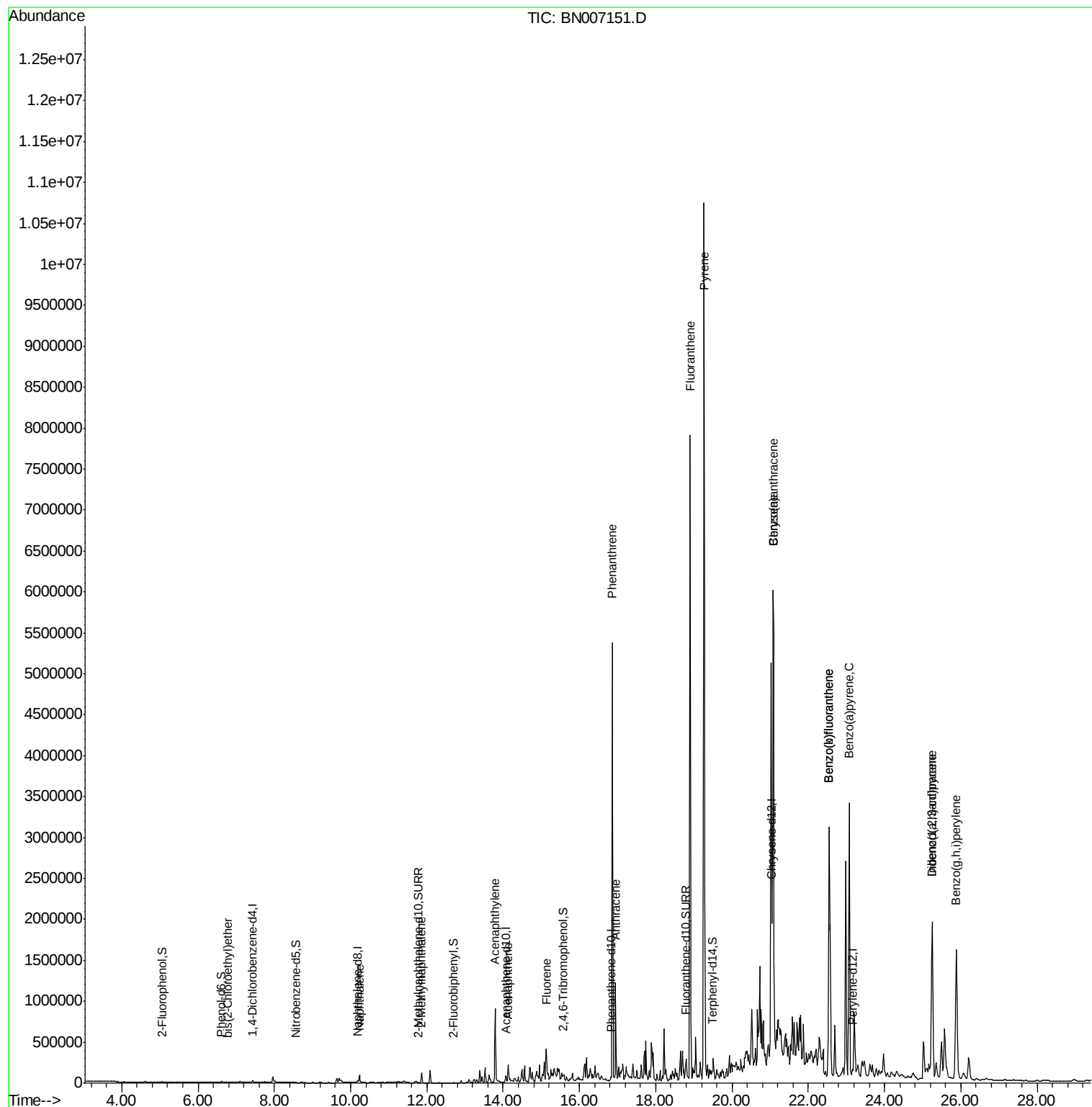
|                            |       |     |          |        |    |      |
|----------------------------|-------|-----|----------|--------|----|------|
| Target Compounds           |       |     |          | Qvalue |    |      |
| 5) bis(2-Chloroethyl)ether | 6.77  | 93  | 594      | 0.023  | ng | # 35 |
| 8) Naphthalene             | 10.24 | 128 | 120428   | 1.139  | ng | 99   |
| 11) 2-Methylnaphthalene    | 11.86 | 142 | 91355    | 1.220  | ng | 97   |
| 15) Acenaphthylene         | 13.79 | 152 | 1120855  | 9.305  | ng | 99   |
| 16) Acenaphthene           | 14.13 | 154 | 122303   | 1.585  | ng | 98   |
| 17) Fluorene               | 15.13 | 166 | 293939   | 2.546  | ng | 87   |
| 22) Phenanthrene           | 16.87 | 178 | 5545183  | 38.201 | ng | 99   |
| 23) Anthracene             | 16.96 | 178 | 1363889  | 10.284 | ng | 99   |
| 25) Fluoranthene           | 18.90 | 202 | 7348423  | 39.575 | ng | 96   |
| 27) Pylene                 | 19.27 | 202 | 10388118 | 53.102 | ng | # 93 |
| 29) Benzo(a)anthracene     | 21.08 | 228 | 5526341  | 27.090 | ng | 92   |
| 30) Chrysene               | 21.08 | 228 | 5526341  | 27.882 | ng | 95   |
| 31) Indeno(1,2,3-cd)pyrene | 25.25 | 276 | 2926928  | 13.399 | ng | 98   |
| 33) Benzo(b)fluoranthene   | 22.55 | 252 | 5363169  | 21.029 | ng | 99   |
| 34) Benzo(k)fluoranthene   | 22.55 | 252 | 5363169  | 21.293 | ng | 99   |
| 35) Benzo(a)pyrene         | 23.08 | 252 | 4511070  | 19.511 | ng | 99   |
| 36) Dibenzo(a,h)anthracene | 25.26 | 278 | 848541   | 3.678  | ng | # 92 |
| 37) Benzo(a,h,i)perylene   | 25.88 | 276 | 3274716  | 13.800 | ng | 99   |

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

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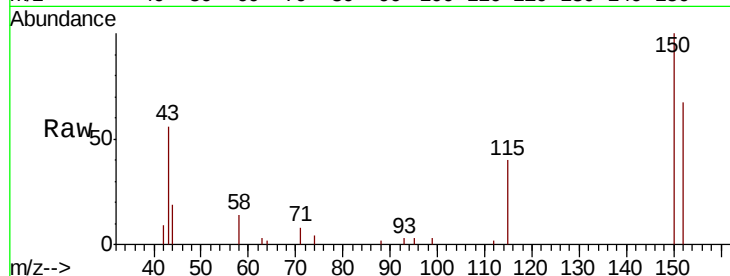


#1

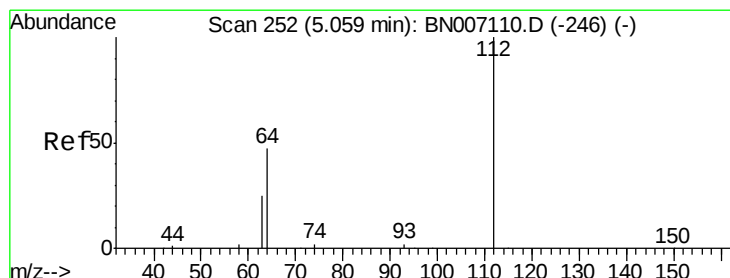
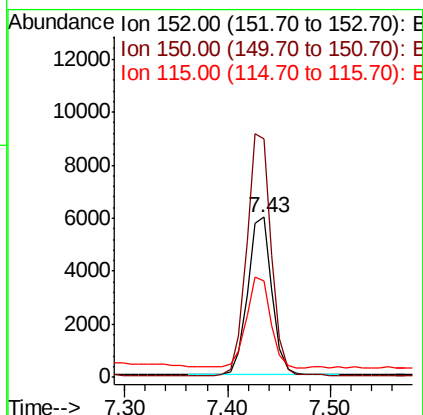
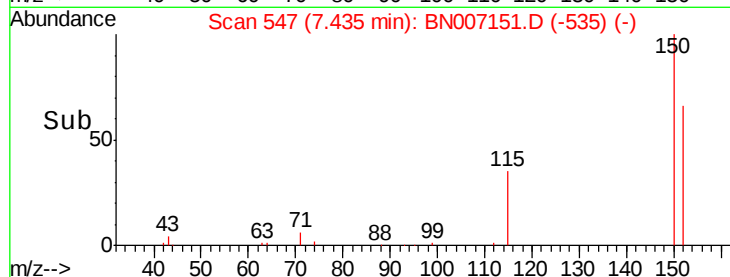
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.43 min Scan# 547  
Delta R.T. -0.00 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 9678  
Ion Ratio Lower Upper  
152 100  
150 149.4 121.7 182.5  
115 60.2 46.2 69.4



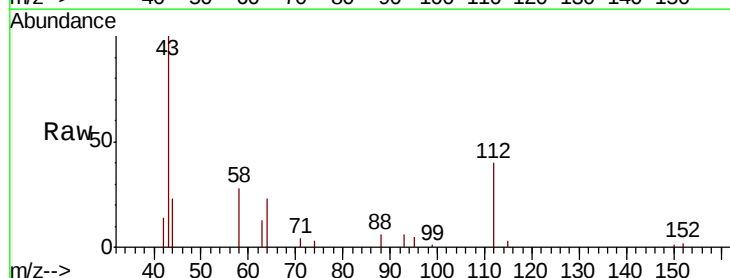
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



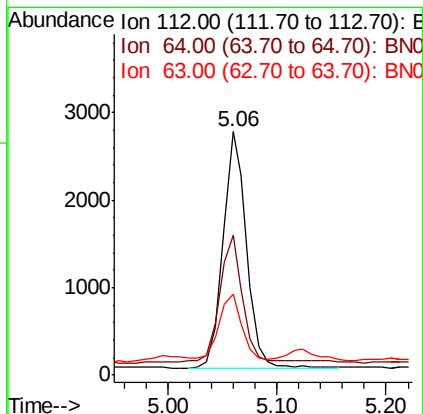
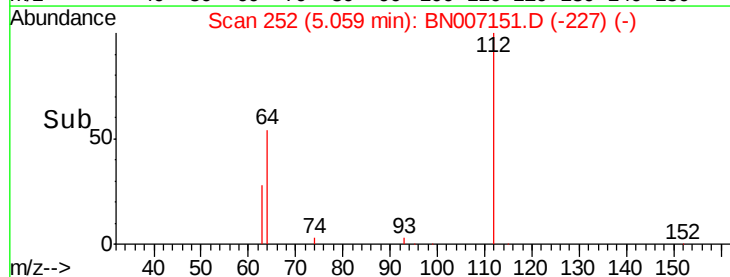
#3

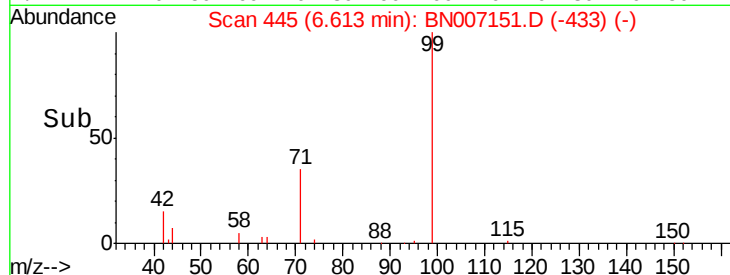
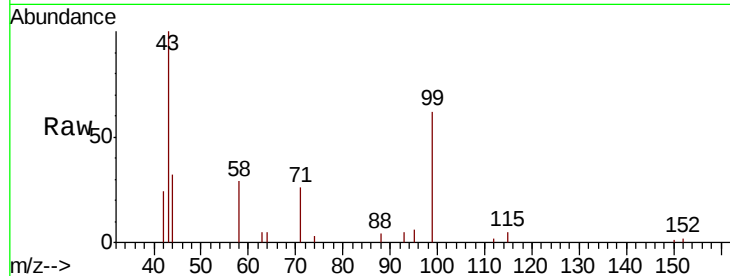
2-Fluorophenol  
Concen: 0.174 ng  
RT: 5.06 min Scan# 252  
Delta R.T. -0.00 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Tgt Ion:112 Resp: 4054  
Ion Ratio Lower Upper  
112 100  
64 53.9 42.6 63.8  
63 28.9 22.2 33.2



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





#4

Phenol-d6

Concen: 0.191 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

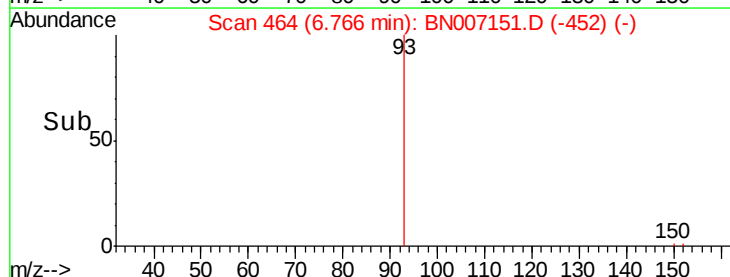
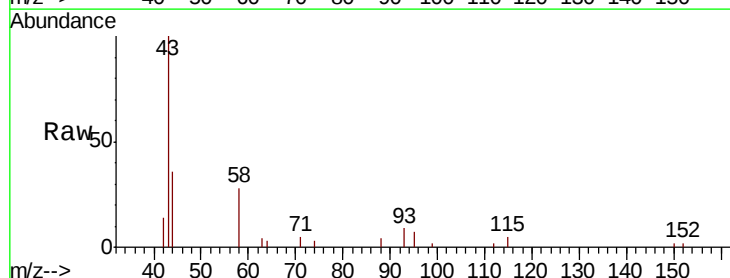
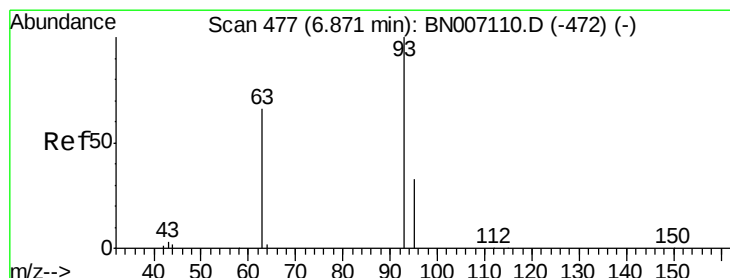
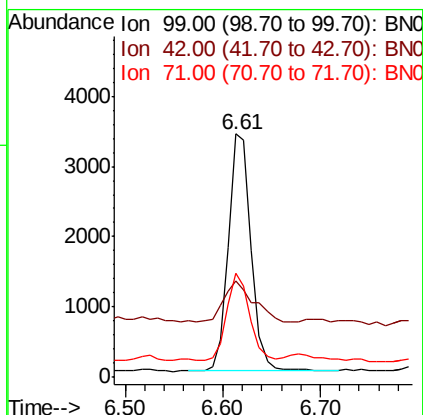
Tot Ion: 99 Resp: 5515

Ion Ratio Lower Upper

99 100

42 23.7 15.8 23.6#

71 36.9 27.0 40.4



#5

bis(2-Chloroethyl)ether

Concen: 0.023 ng

RT: 6.77 min Scan# 464

Delta R.T. -0.10 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

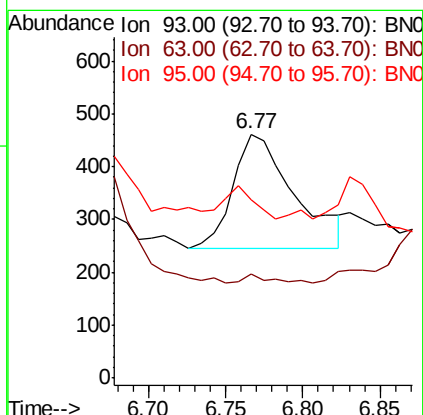
Tgt Ion: 93 Resp: 594

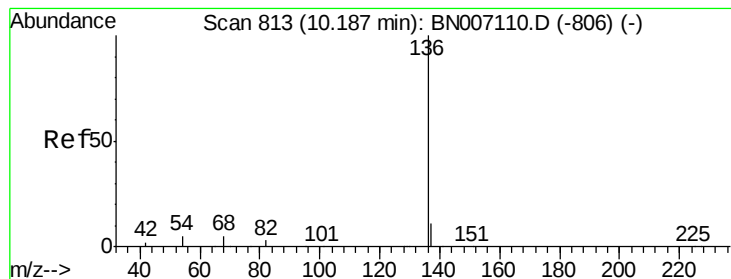
Ion Ratio Lower Upper

93 100

63 4.4 55.6 83.4#

95 14.6 26.7 40.1#





#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 37692

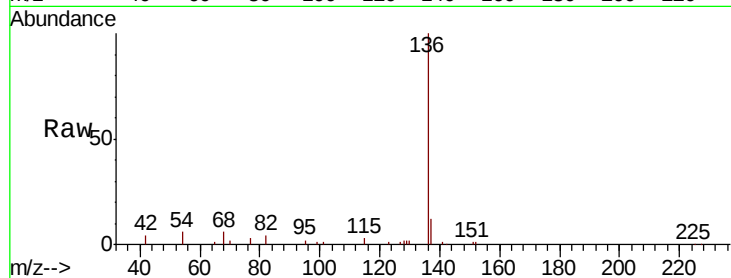
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.0

54 6.1 6.6 9.8#

68 5.6 6.0 9.0#

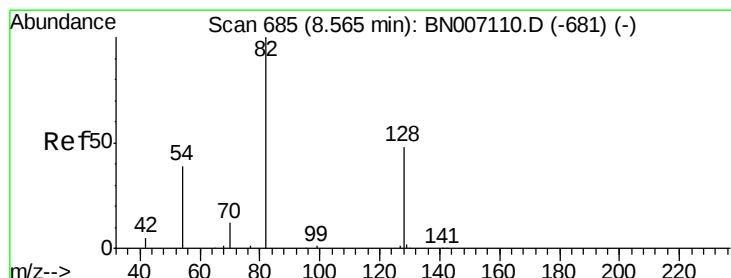
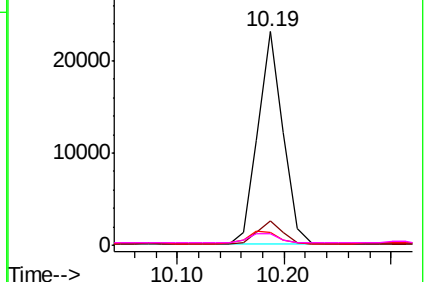
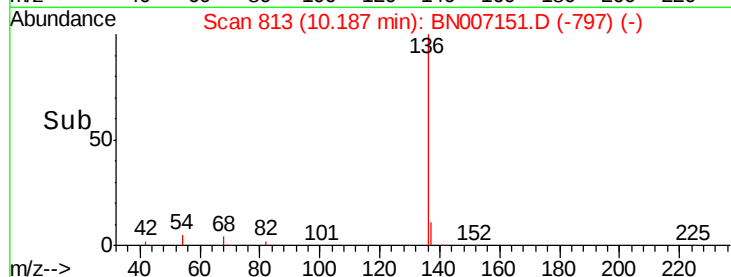


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 0.146 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

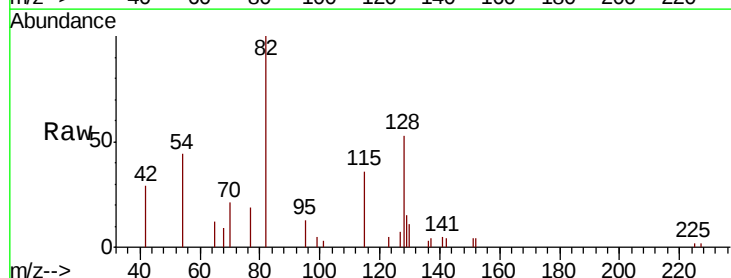
Tgt Ion: 82 Resp: 4430

Ion Ratio Lower Upper

82 100

128 52.8 34.6 51.8#

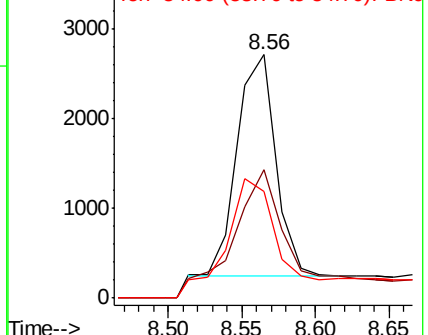
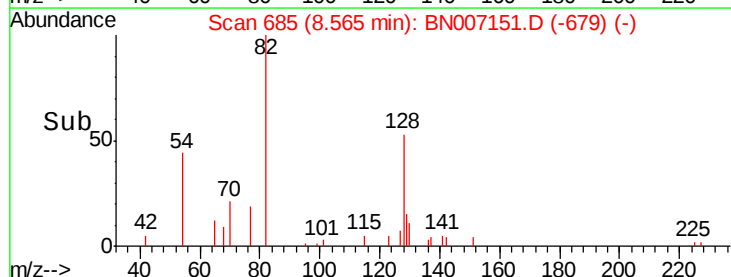
54 43.6 36.2 54.4

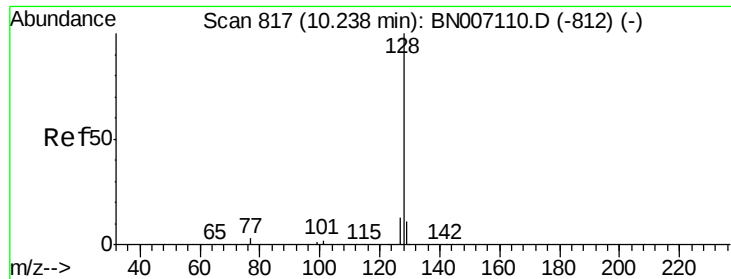


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

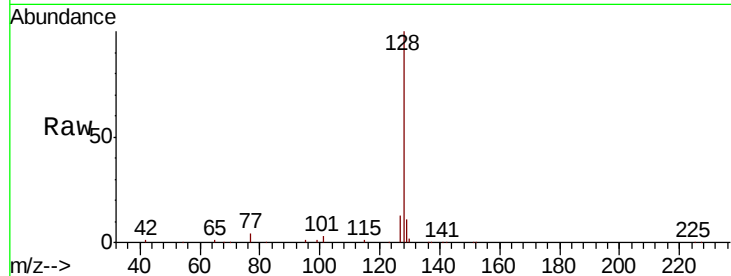




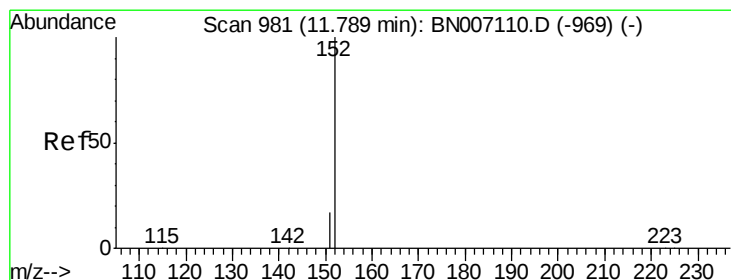
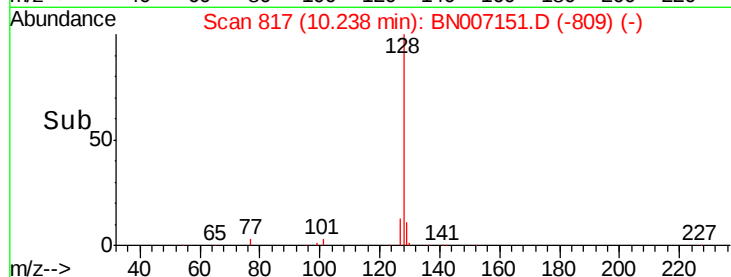
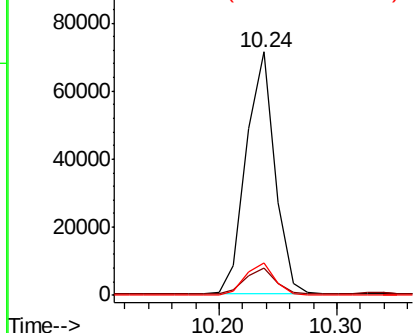
#8  
Naphthalene  
Concen: 1.139 ng  
RT: 10.24 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:128 Resp: 120428  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.4 14.2  
127 13.1 11.0 16.6

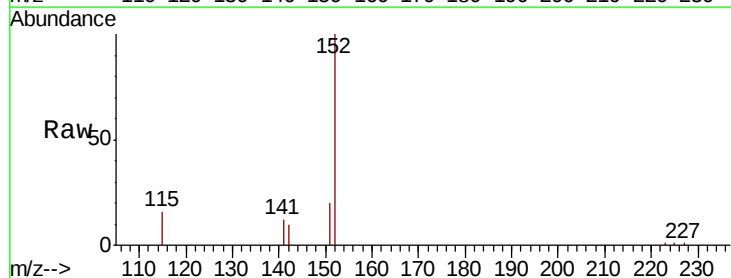


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

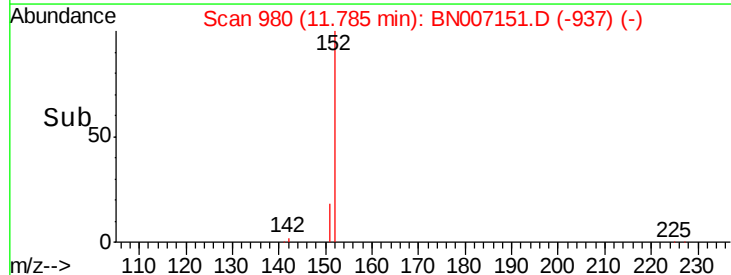
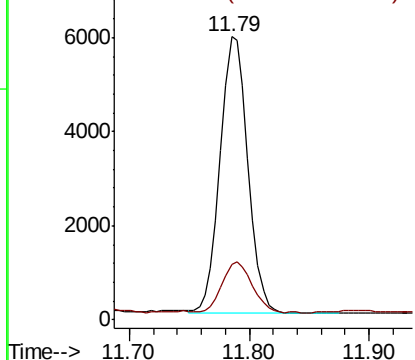


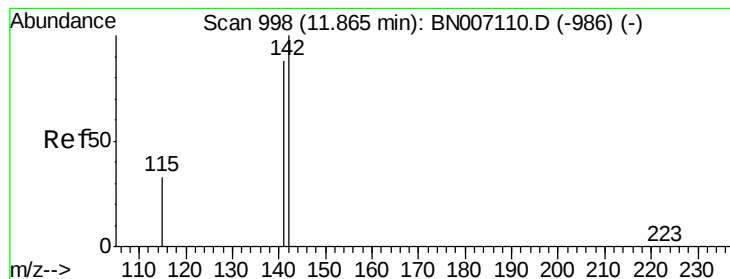
#10  
2-Methylnaphthalene-d10  
Concen: 0.134 ng  
RT: 11.79 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Tgt Ion:152 Resp: 9430  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 1.220 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

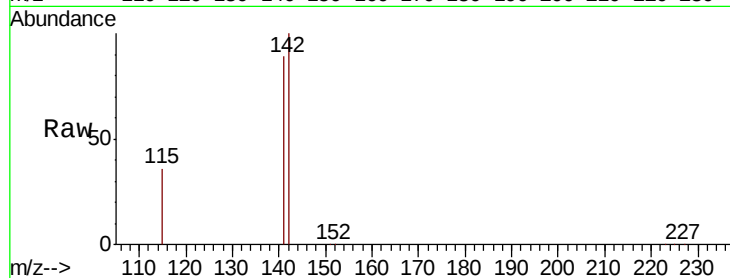
Tot Ion:142 Resp: 91355

Ion Ratio Lower Upper

142 100

141 88.6 69.0 103.6

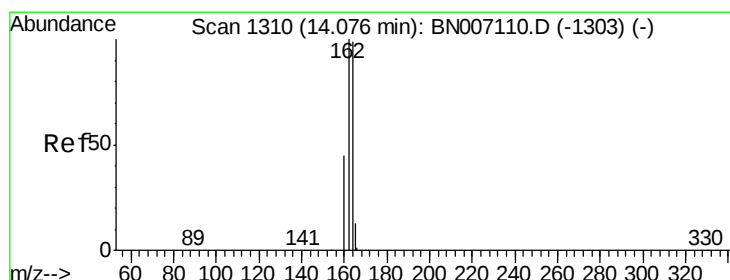
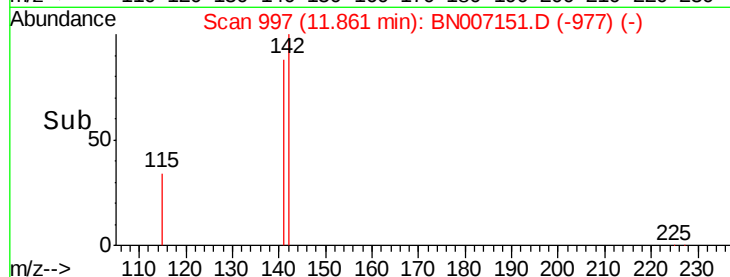
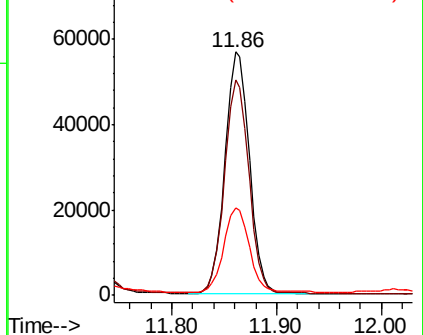
115 36.0 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

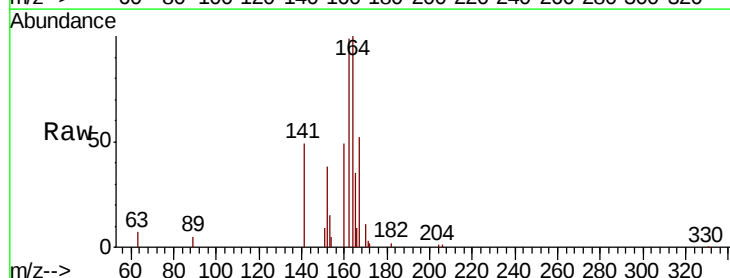
Tgt Ion:164 Resp: 23047

Ion Ratio Lower Upper

164 100

162 99.2 82.2 123.4

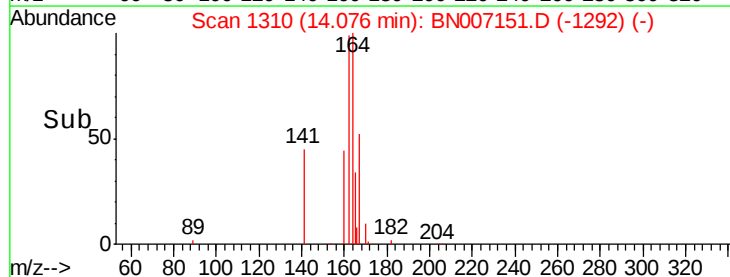
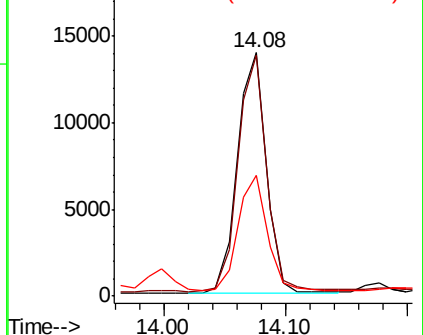
160 49.3 38.3 57.5

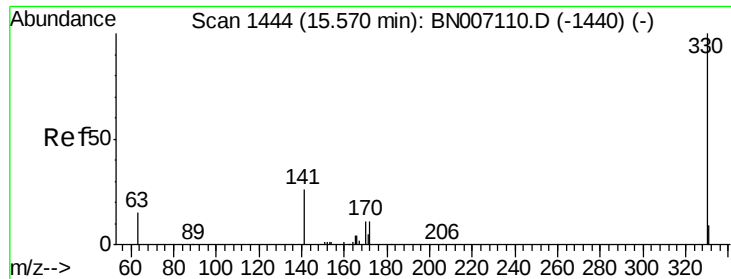


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

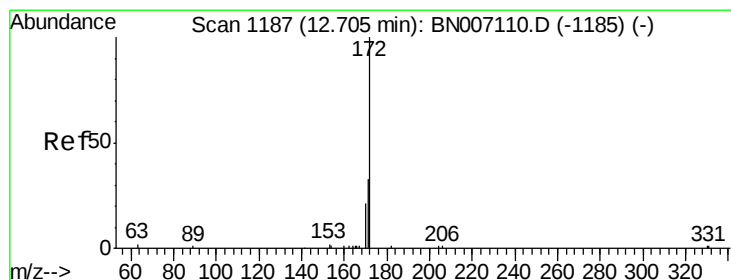
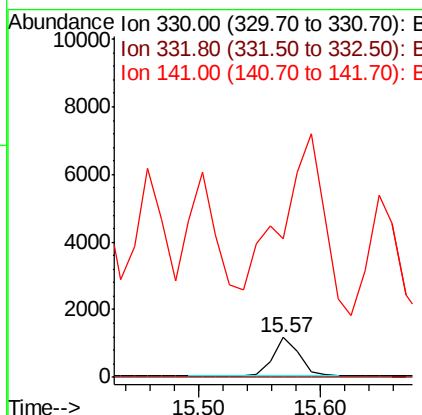
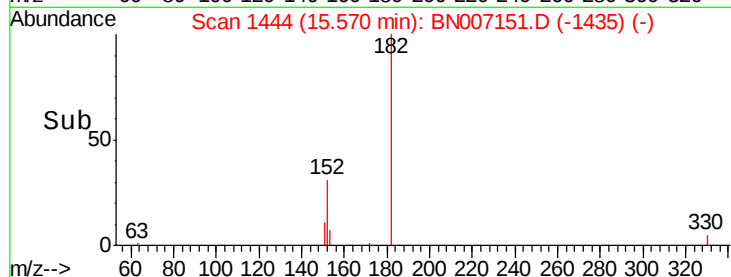
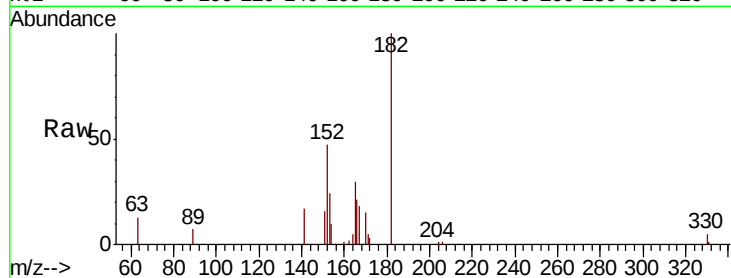




#13  
 2,4,6-Tribromophenol  
 Concen: 0.131 ng  
 RT: 15.57 min Scan# 1444  
 Delta R.T. -0.00 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

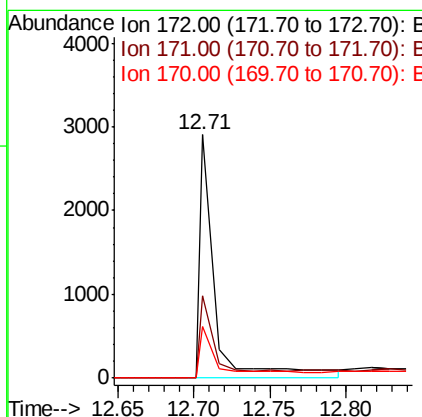
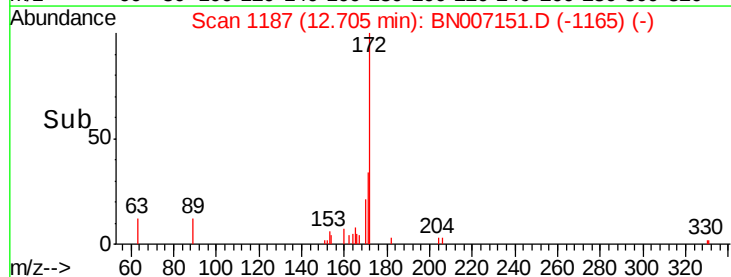
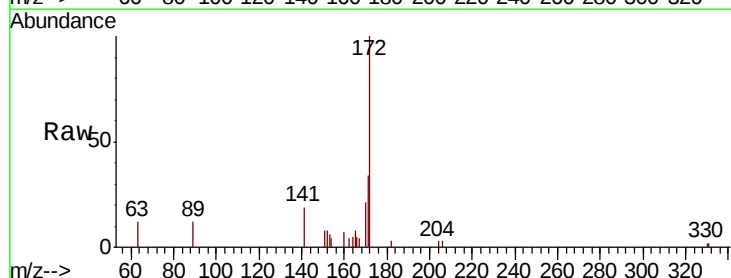
Instrument :  
 BNA\_N  
 ClientSampled :

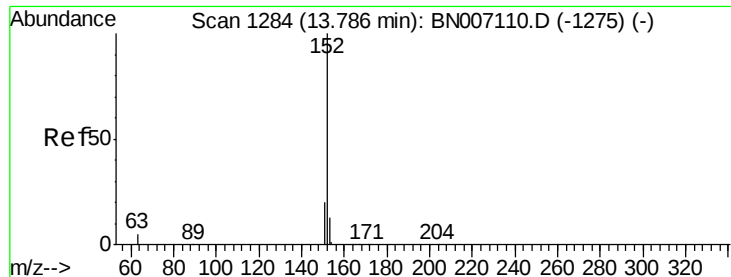
Tot Ion:330 Resp: 1630  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 0.0 33.6 50.4#



#14  
 2-Fluorobiphenyl  
 Concen: 0.070 ng  
 RT: 12.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

Tgt Ion:172 Resp: 2361  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 26.3 39.5  
 170 21.5 17.0 25.4





#15

Acenaphthylene

Concen: 9.305 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

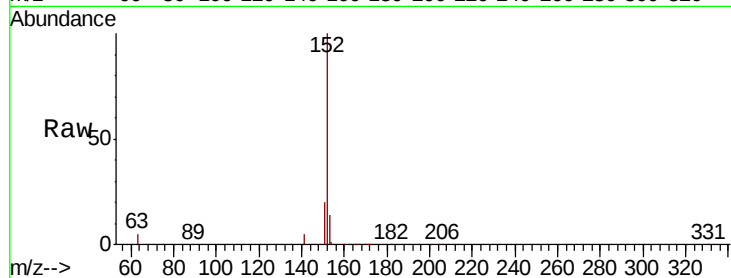
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:152 Resp: 1120855

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.9  | 15.8  | 23.6  |
| 153 | 14.0  | 10.4  | 15.6  |

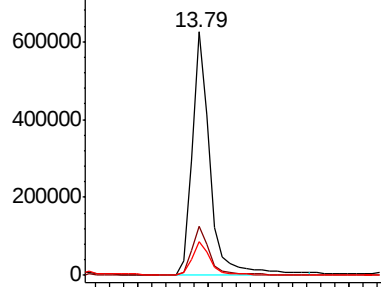


Abundance

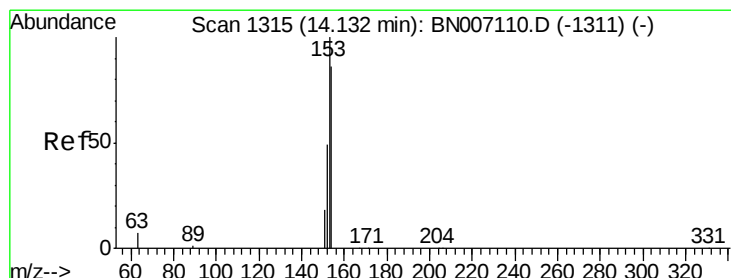
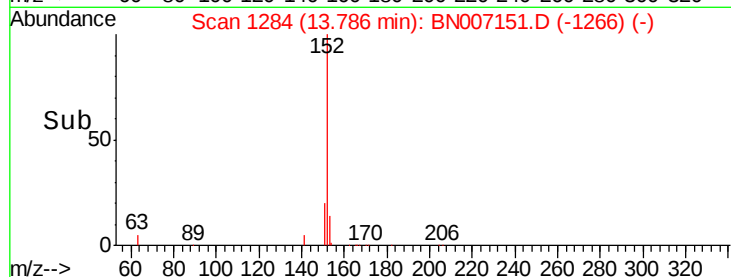
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#16

Acenaphthene

Concen: 1.585 ng

RT: 14.13 min Scan# 1315

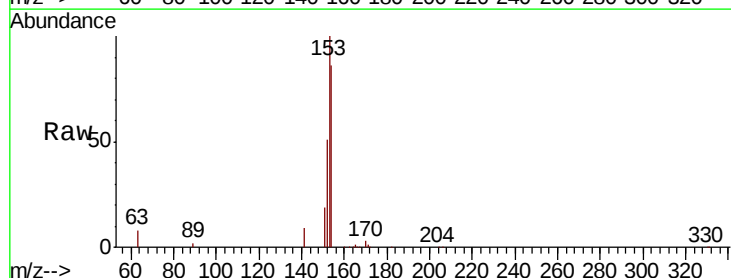
Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Tgt Ion:154 Resp: 122303

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 111.5 | 89.5  | 134.3 |
| 152 | 52.7  | 44.8  | 67.2  |

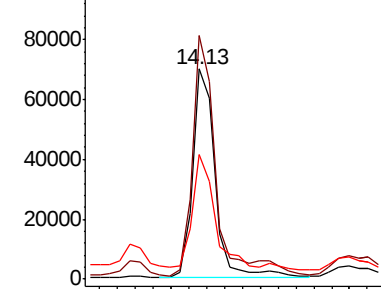


Abundance

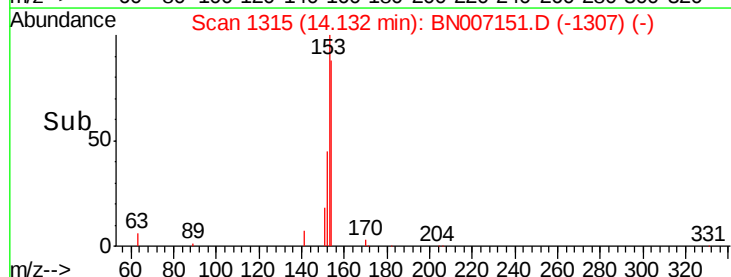
Ion 154.00 (153.70 to 154.70): E

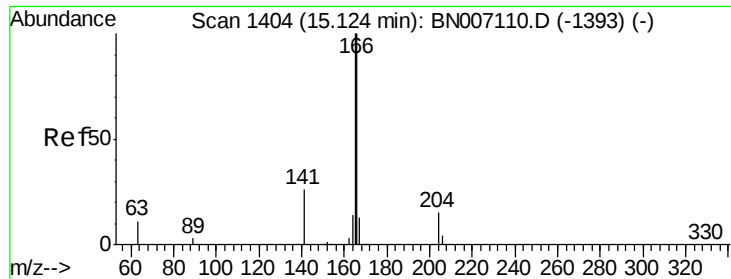
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->

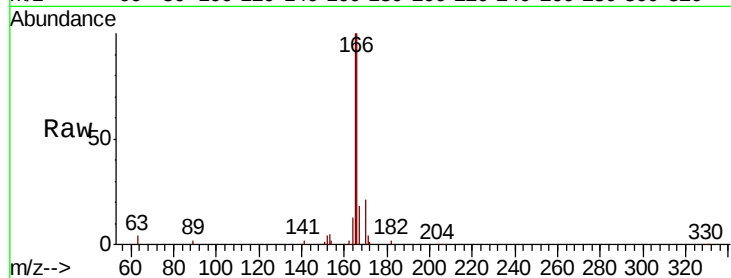




#17  
**Fluorene**  
 Concen: 2.546 ng  
 RT: 15.13 min Scan# 1405  
 Delta R.T. -0.00 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

Instrument :  
 BNA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 112.0 | 77.9  | 116.9 |
| 167     | 15.1  | 10.9  | 16.3  |

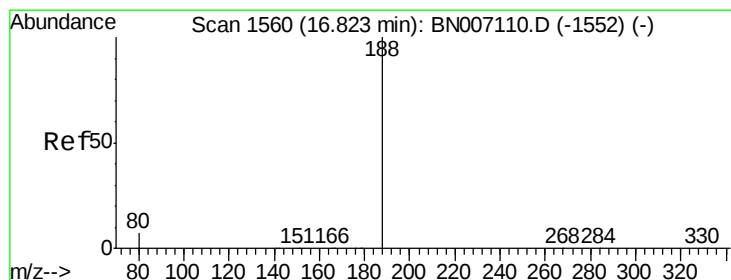
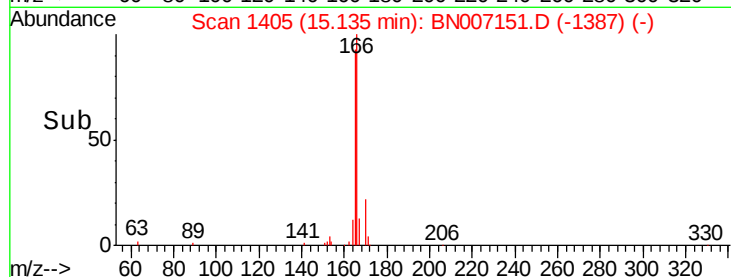
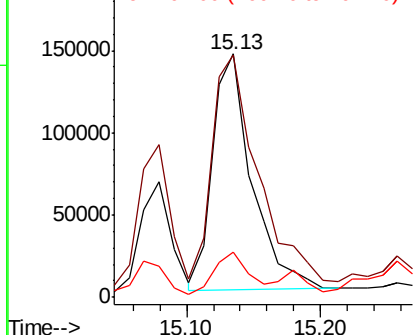


Abundance

Ion 166.00 (165.70 to 166.70): E

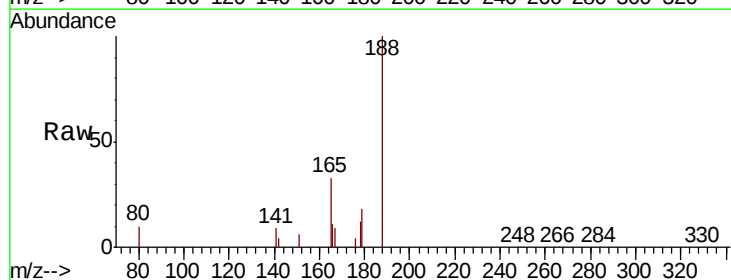
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 16.82 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 10.0  | 7.8   | 11.6  |

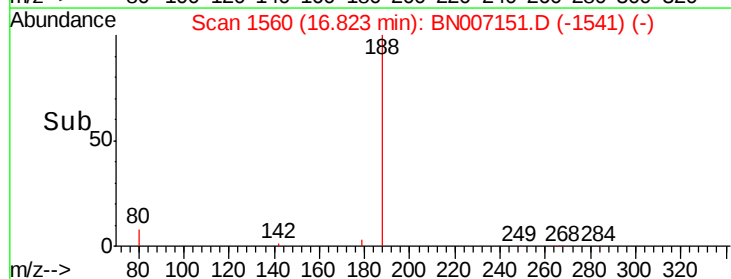
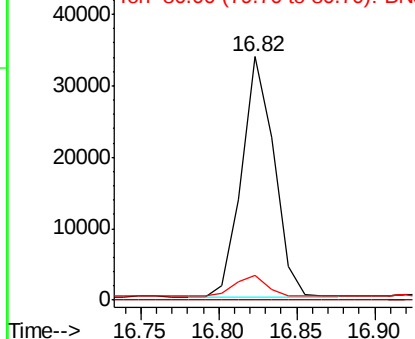


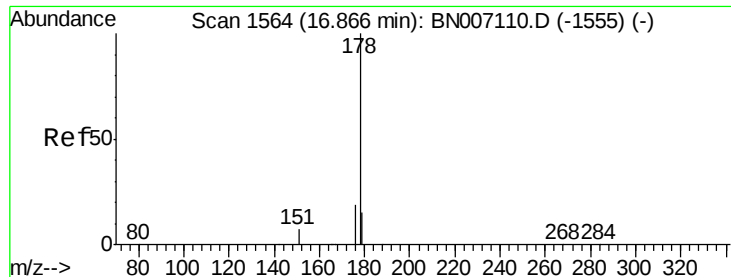
Abundance

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





#22

Phenanthrene

Concen: 38.201 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

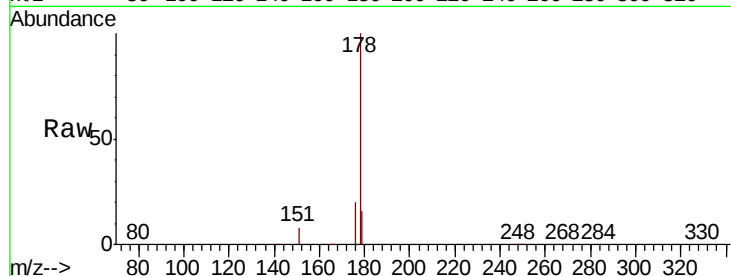
Tot Ion:178 Resp: 5545183

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

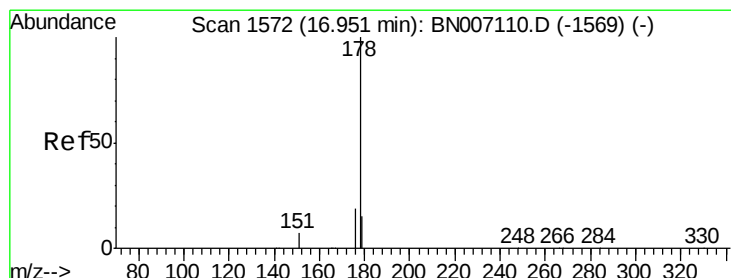
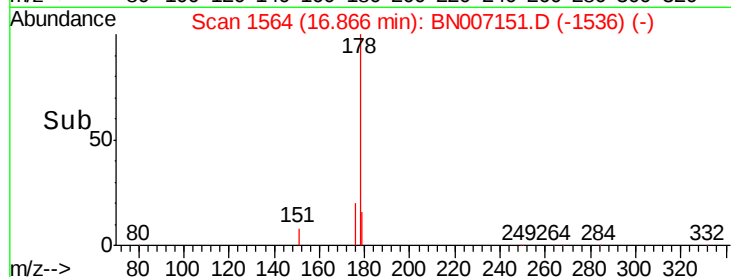
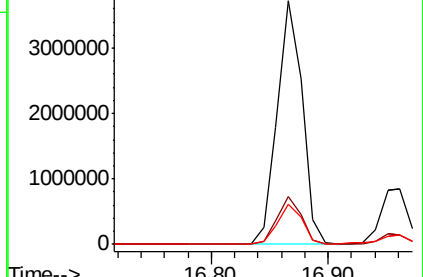
179 16.4 12.3 18.5



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



#23

Anthracene

Concen: 10.284 ng

RT: 16.96 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

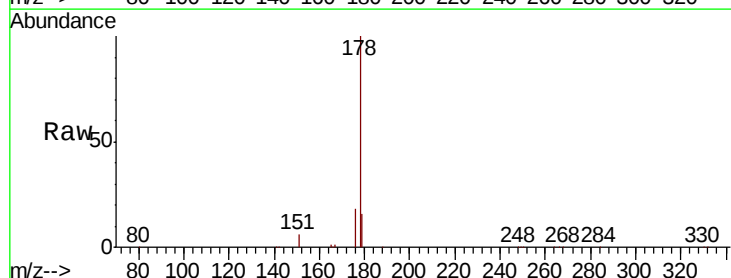
Tgt Ion:178 Resp: 1363889

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

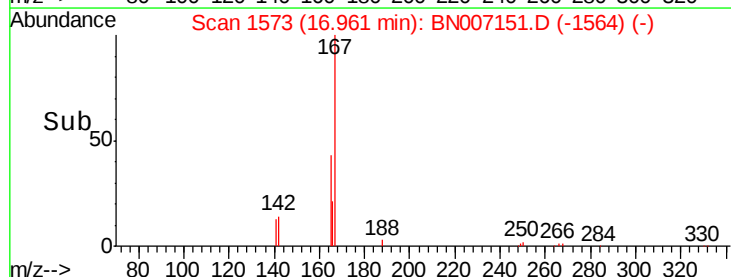
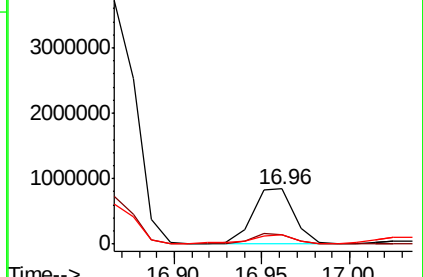
179 16.1 12.5 18.7

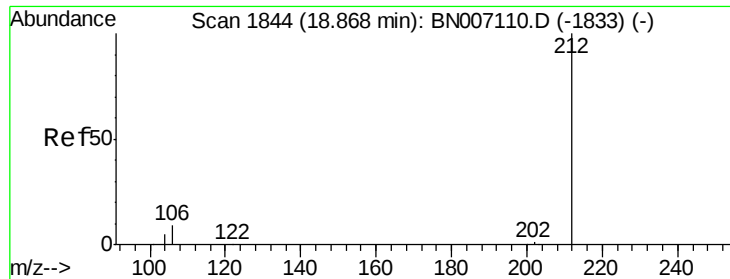


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

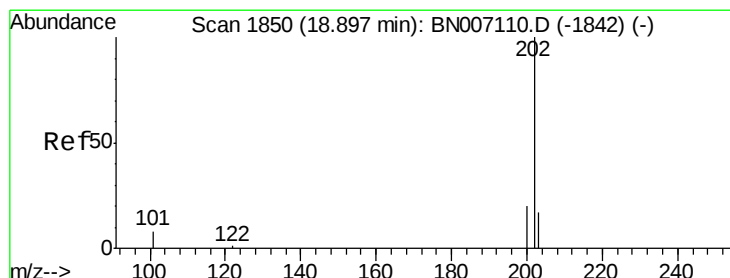
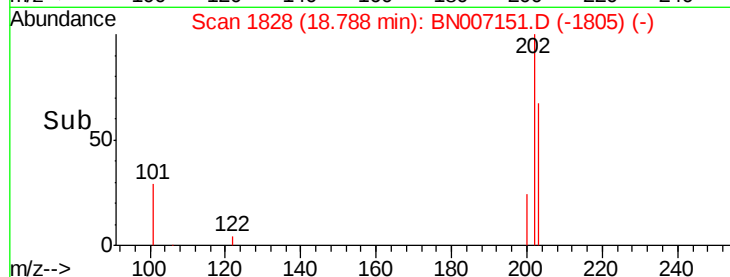
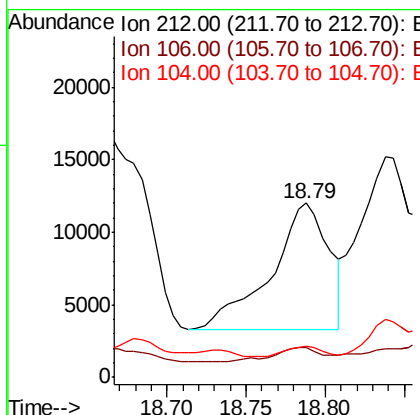
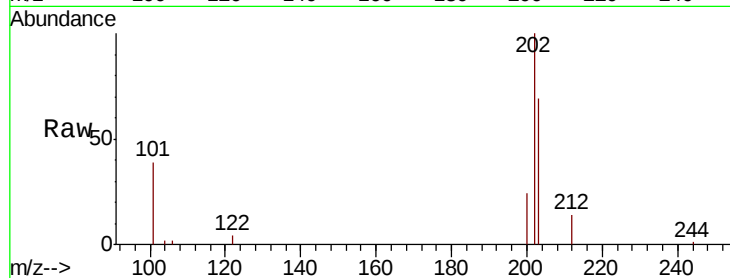




#24  
 Fluoranthene-d10  
 Concen: 0.130 ng  
 RT: 18.79 min Scan# 1828  
 Delta R.T. -0.08 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

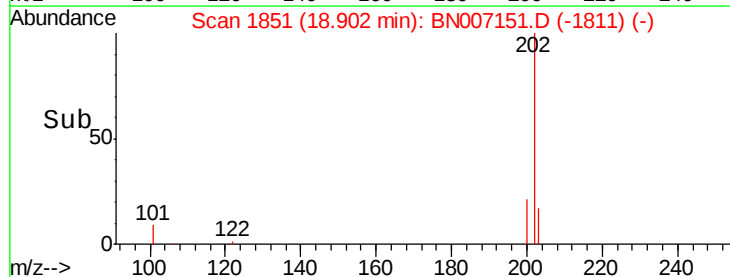
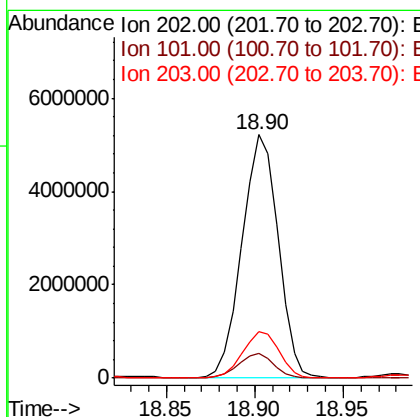
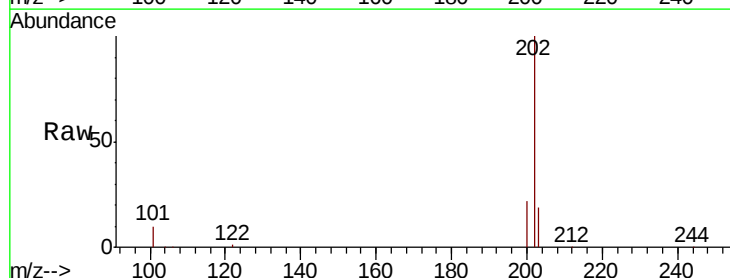
Instrument :  
 BNA\_N  
 ClientSampleId :

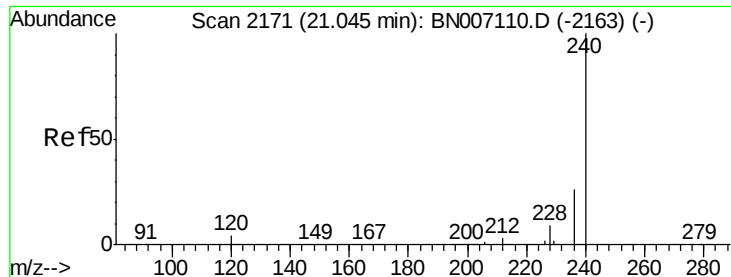
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 9.4   | 8.2   | 12.2  |
| 104     | 5.3   | 4.5   | 6.7   |



#25  
 Fluoranthene  
 Concen: 39.575 ng  
 RT: 18.90 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: BN007151.D  
 Acq: 14 Aug 2019 03:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.7   | 7.0   | 10.4  |
| 203     | 19.0  | 13.8  | 20.8  |





#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

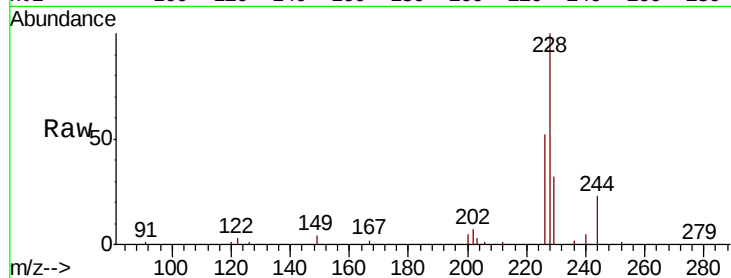
Tot Ion:240 Resp: 55783

Ion Ratio Lower Upper

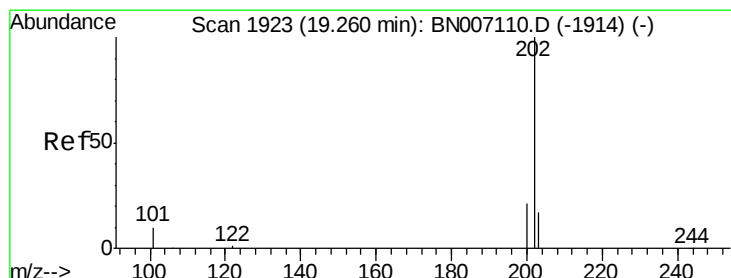
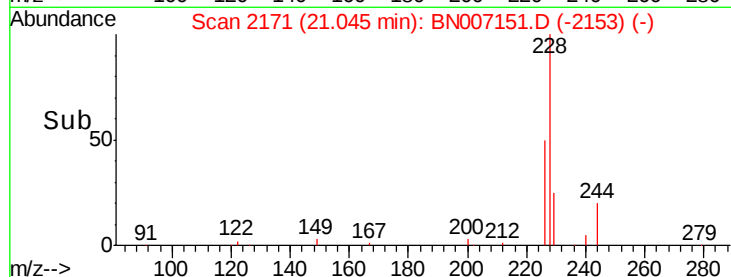
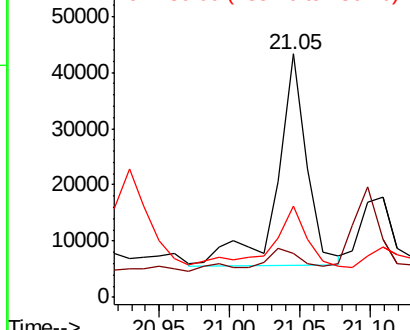
240 100

120 17.9 4.0 6.0#

236 37.5 21.3 31.9#



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



#27

Pyrene

Concen: 53.102 ng

RT: 19.27 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

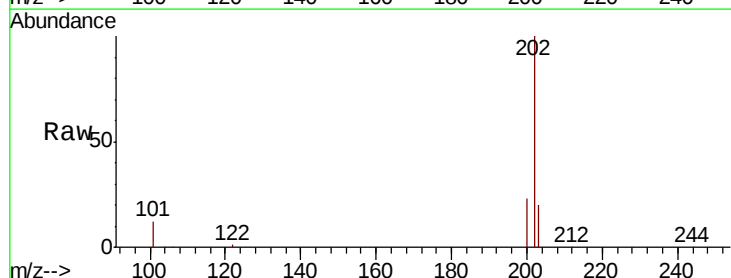
Tgt Ion:202 Resp:10388118

Ion Ratio Lower Upper

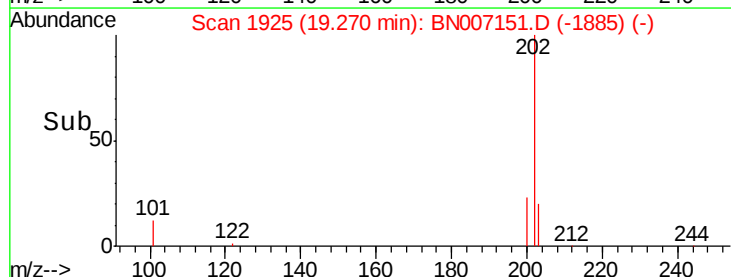
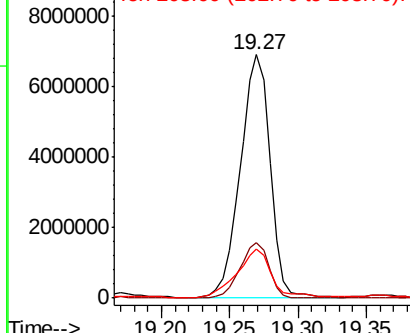
202 100

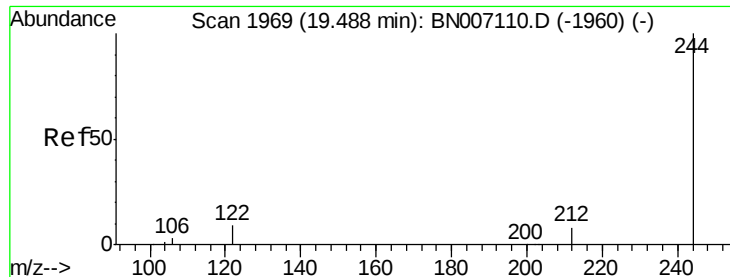
200 22.1 16.6 24.8

203 23.0 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





#28

Terphenyl-d14

Concen: 0.152 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

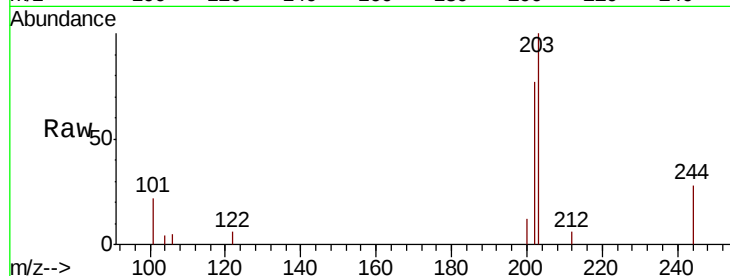
Tot Ion:244 Resp: 23101

Ion Ratio Lower Upper

244 100

212 21.4 6.2 9.2#

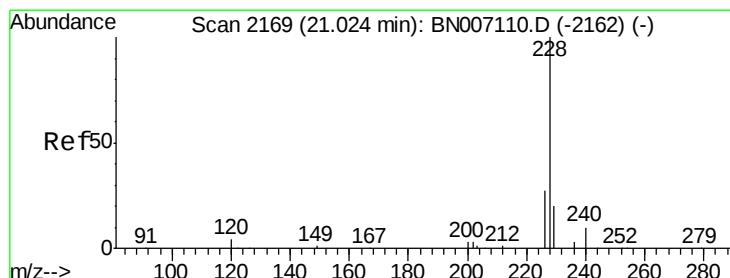
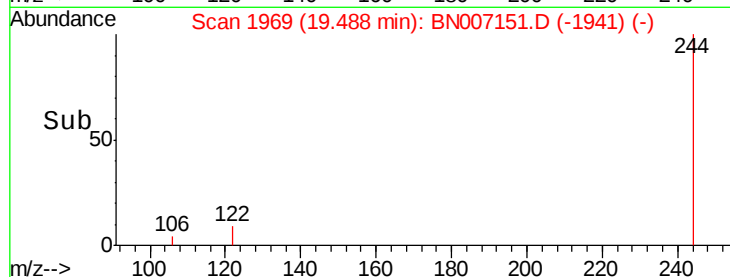
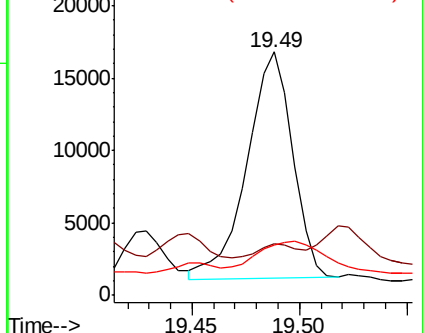
122 20.9 7.4 11.2#



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



#29

Benzo(a)anthracene

Concen: 27.090 ng

RT: 21.08 min Scan# 2174

Delta R.T. 0.04 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

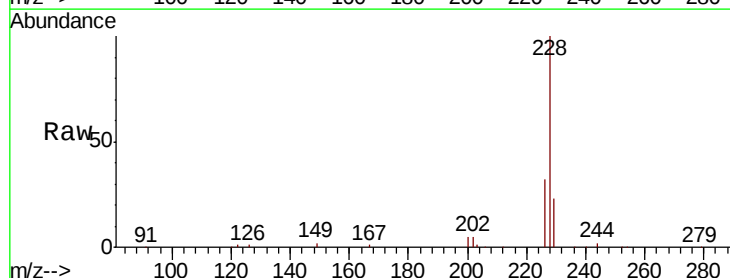
Tgt Ion:228 Resp: 5526341

Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.6

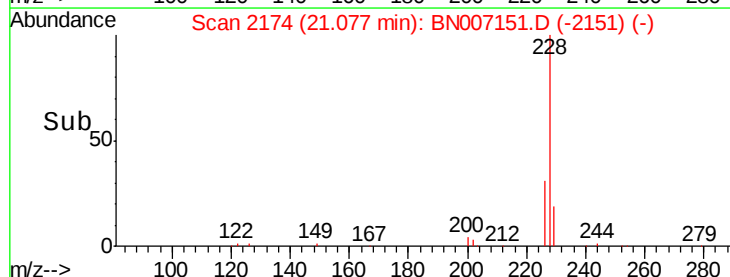
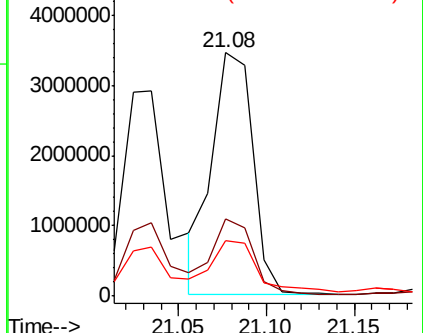
229 22.7 15.6 23.4

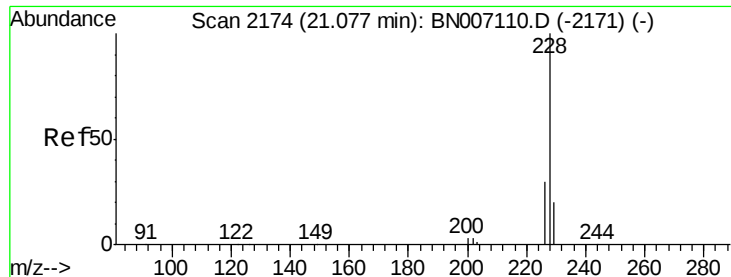


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 27.882 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

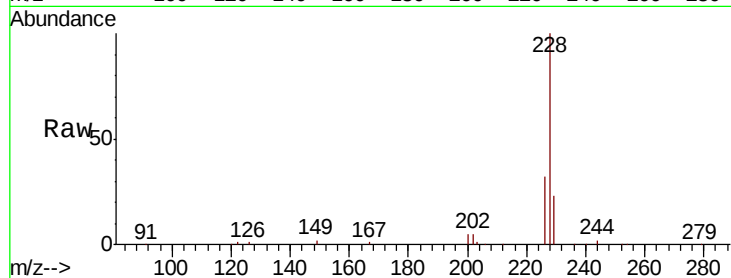
Tot Ion:228 Resp: 5526341

Ion Ratio Lower Upper

228 100

226 31.9 23.8 35.6

229 22.7 15.7 23.5

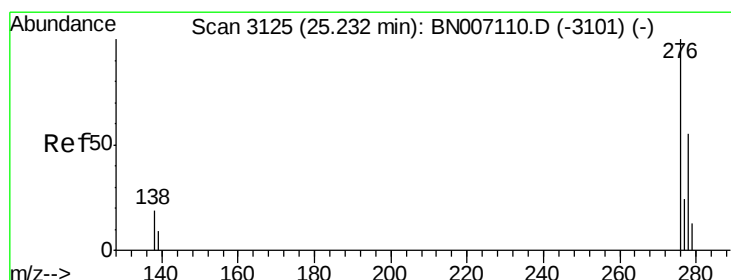
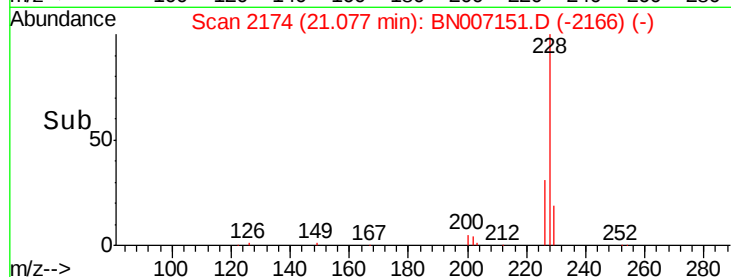
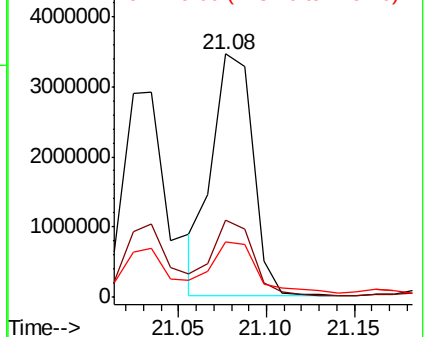


Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 13.399 ng

RT: 25.25 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

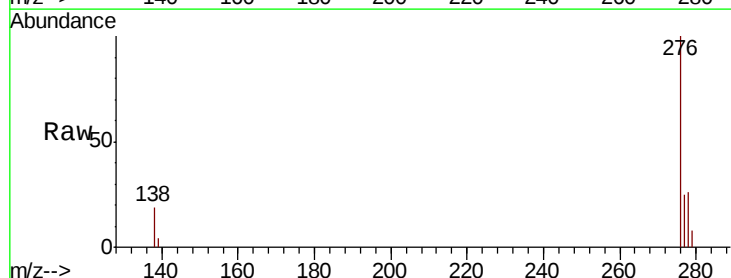
Tgt Ion:276 Resp: 2926928

Ion Ratio Lower Upper

276 100

138 18.5 16.0 24.0

277 25.0 19.9 29.9

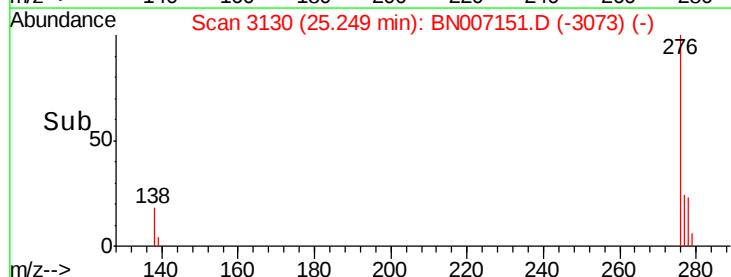
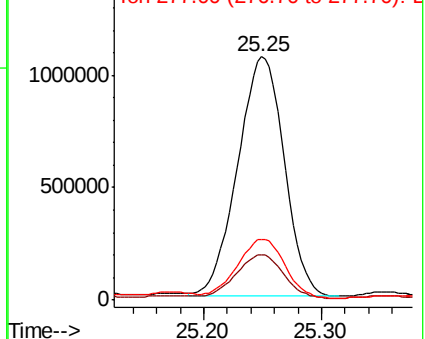


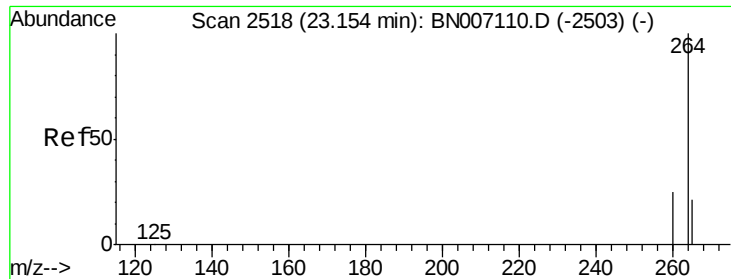
Abundance

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

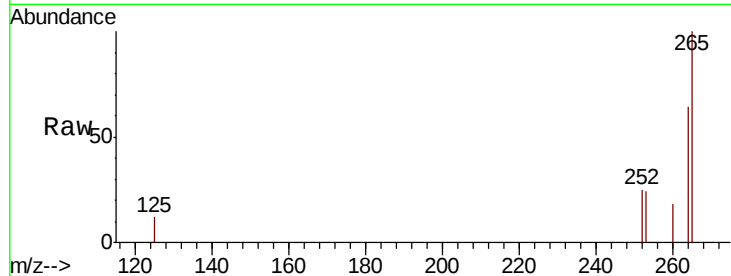




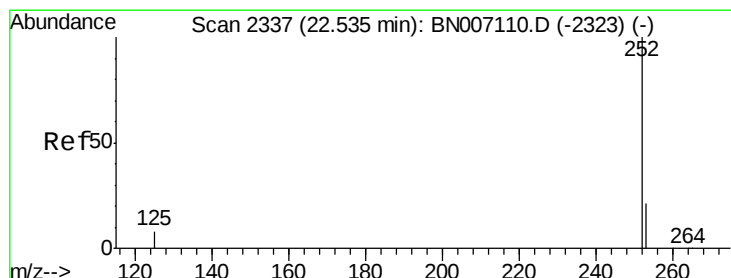
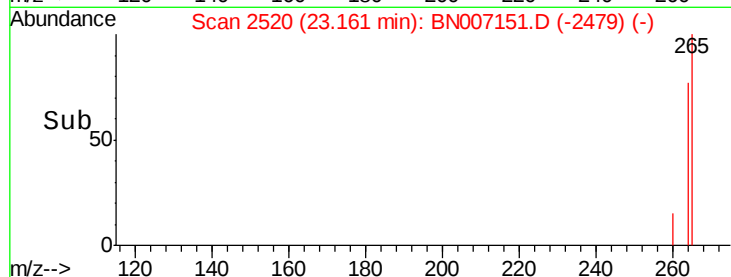
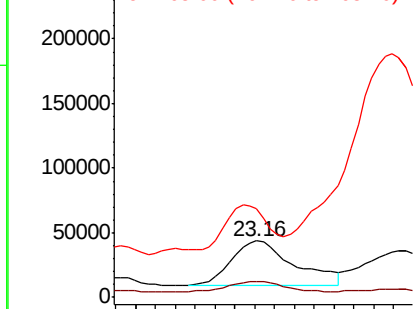
#32  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.16 min Scan# 2520  
Delta R.T. -0.01 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:264 Resp: 74374  
Ion Ratio Lower Upper  
264 100  
260 28.4 19.8 29.8  
265 156.5 26.2 39.4#

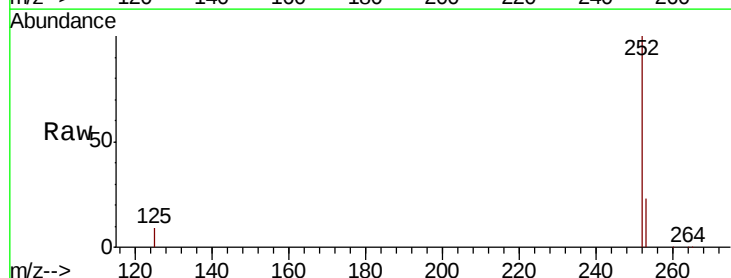


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

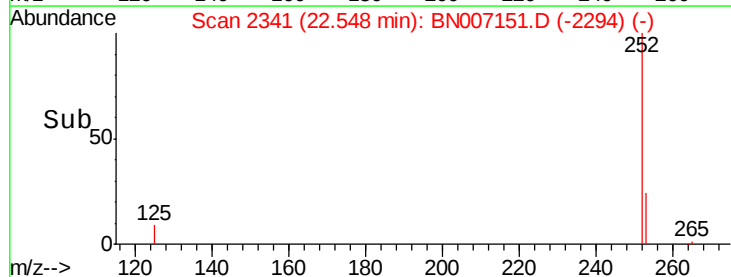
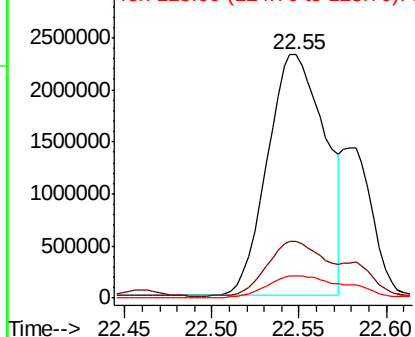


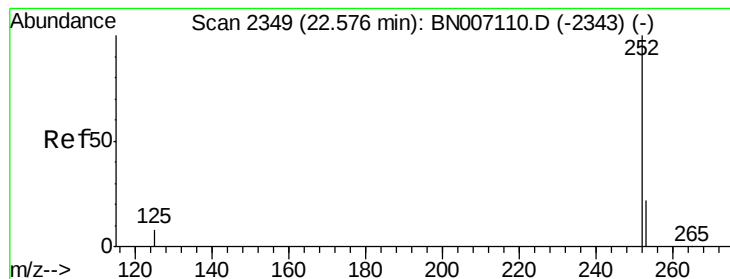
#33  
Benzo(b)fluoranthene  
Concen: 21.029 ng  
RT: 22.55 min Scan# 2341  
Delta R.T. -0.00 min  
Lab File: BN007151.D  
Acq: 14 Aug 2019 03:56

Tgt Ion:252 Resp: 5363169  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.2 27.2  
125 9.3 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 21.293 ng

RT: 22.55 min Scan# 2341

Delta R.T. -0.04 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

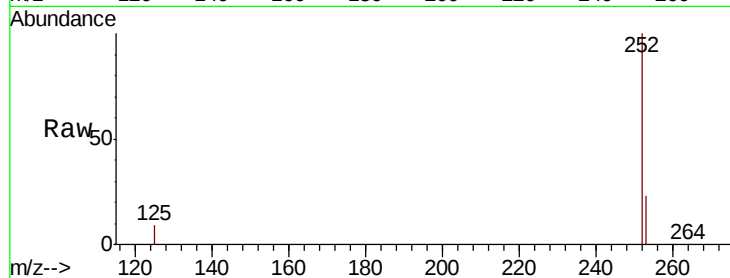
Tot Ion:252 Resp: 5363169

Ion Ratio Lower Upper

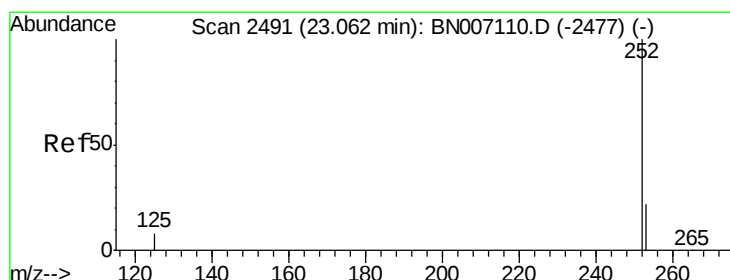
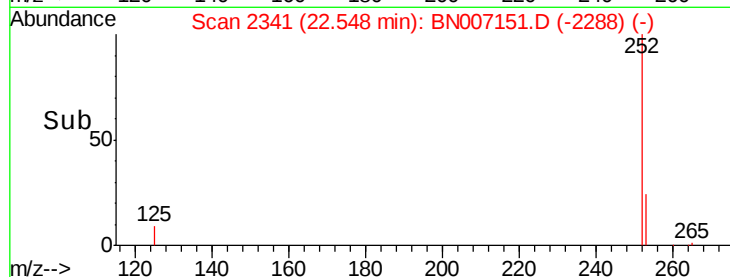
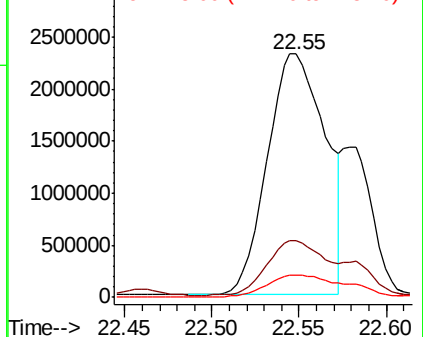
252 100

253 23.4 18.1 27.1

125 9.3 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 19.511 ng

RT: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

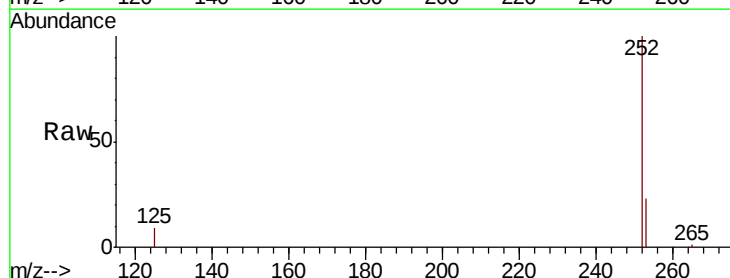
Tgt Ion:252 Resp: 4511070

Ion Ratio Lower Upper

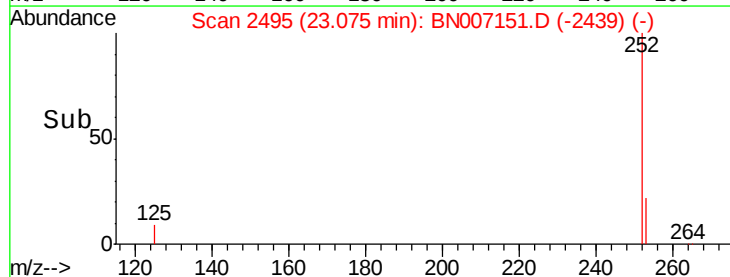
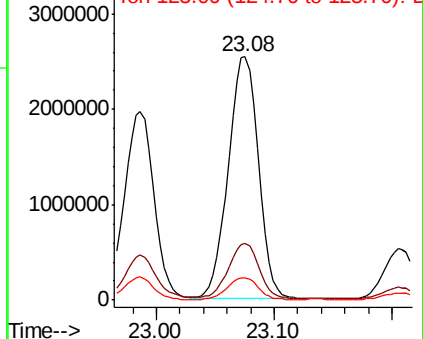
252 100

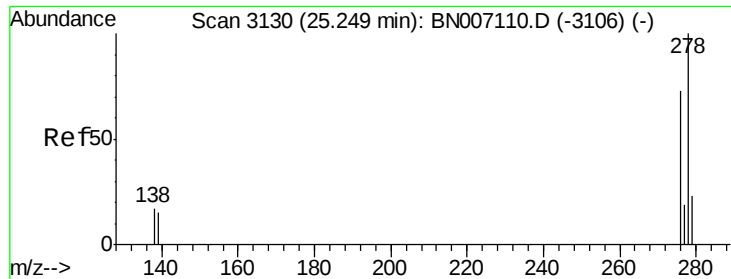
253 23.4 18.5 27.7

125 9.2 8.2 12.4



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





#36

Dibenzo(a,h)anthracene

Concen: 3.678 ng

RT: 25.26 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

Instrument :

BNA\_N

ClientSampleId :

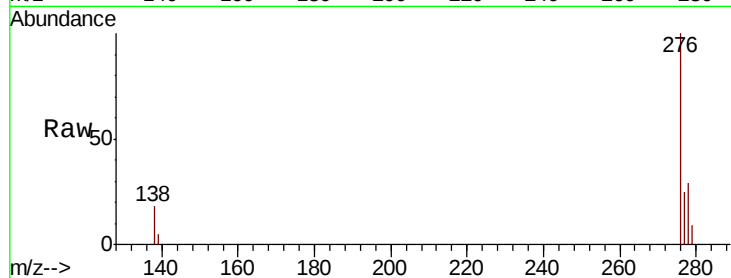
Tot Ion:278 Resp: 848541

Ion Ratio Lower Upper

278 100

139 15.6 11.3 16.9

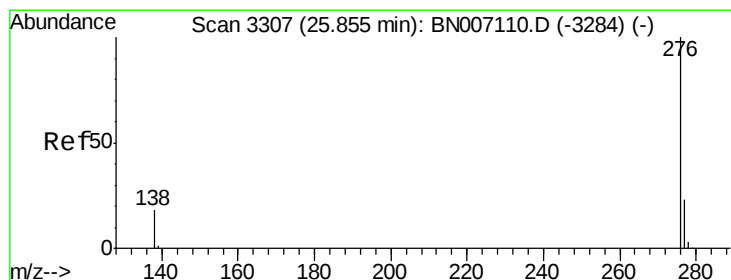
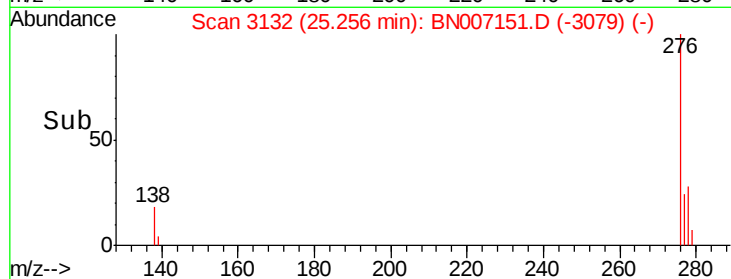
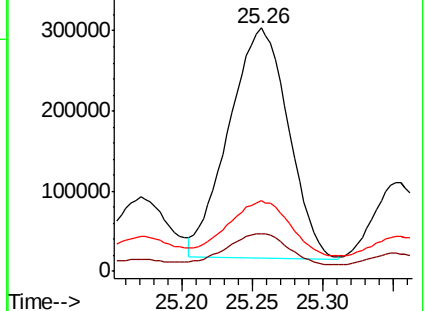
279 29.1 19.3 28.9#



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



#37

Benzo(g,h,i)perylene

Concen: 13.800 ng

RT: 25.88 min Scan# 3315

Delta R.T. 0.00 min

Lab File: BN007151.D

Acq: 14 Aug 2019 03:56

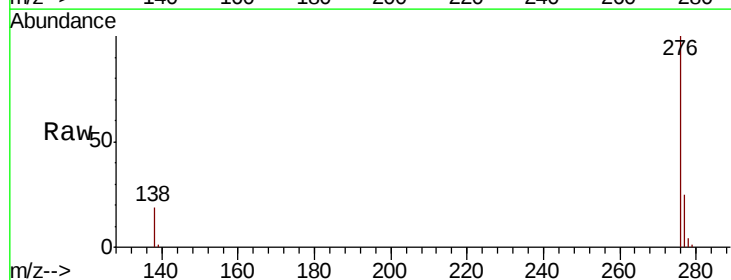
Tgt Ion:276 Resp: 3274716

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.8

138 18.8 14.6 22.0



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

