

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081319\  
 Data File : BN007141.D  
 Acq On : 13 Aug 2019 20:43  
 Operator : HP/JU  
 Sample : K4173-09MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-SW112-073119-1MSD

Quant Time: Aug 14 04:05:31 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  | 10053    | 0.40 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.19 | 136  | 39888    | 0.40 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.08 | 164  | 22570    | 0.40 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.82 | 188  | 51154    | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.05 | 240  | 49269    | 0.40 | ng    | -0.01    |
| 32) Perylene-d12          | 23.16 | 264  | 54734    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 3) 2-Fluorophenol           | 5.06  | 112  | 5684     | 0.24 | ng    | 0.00     |
| 4) Phenol-d6                | 6.62  | 99   | 7695     | 0.26 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.56  | 82   | 6306     | 0.20 | ng    | 0.00     |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152  | 12798m   | 0.17 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.57 | 330  | 2226     | 0.18 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.71 | 172  | 3603     | 0.11 | ng    | 0.00     |
| 24) Fluoranthene-d10        | 18.87 | 212  | 28922    | 0.16 | ng    | 0.00     |
| 28) Terphenyl-d14           | 19.49 | 244  | 22160    | 0.17 | ng    | -0.01    |

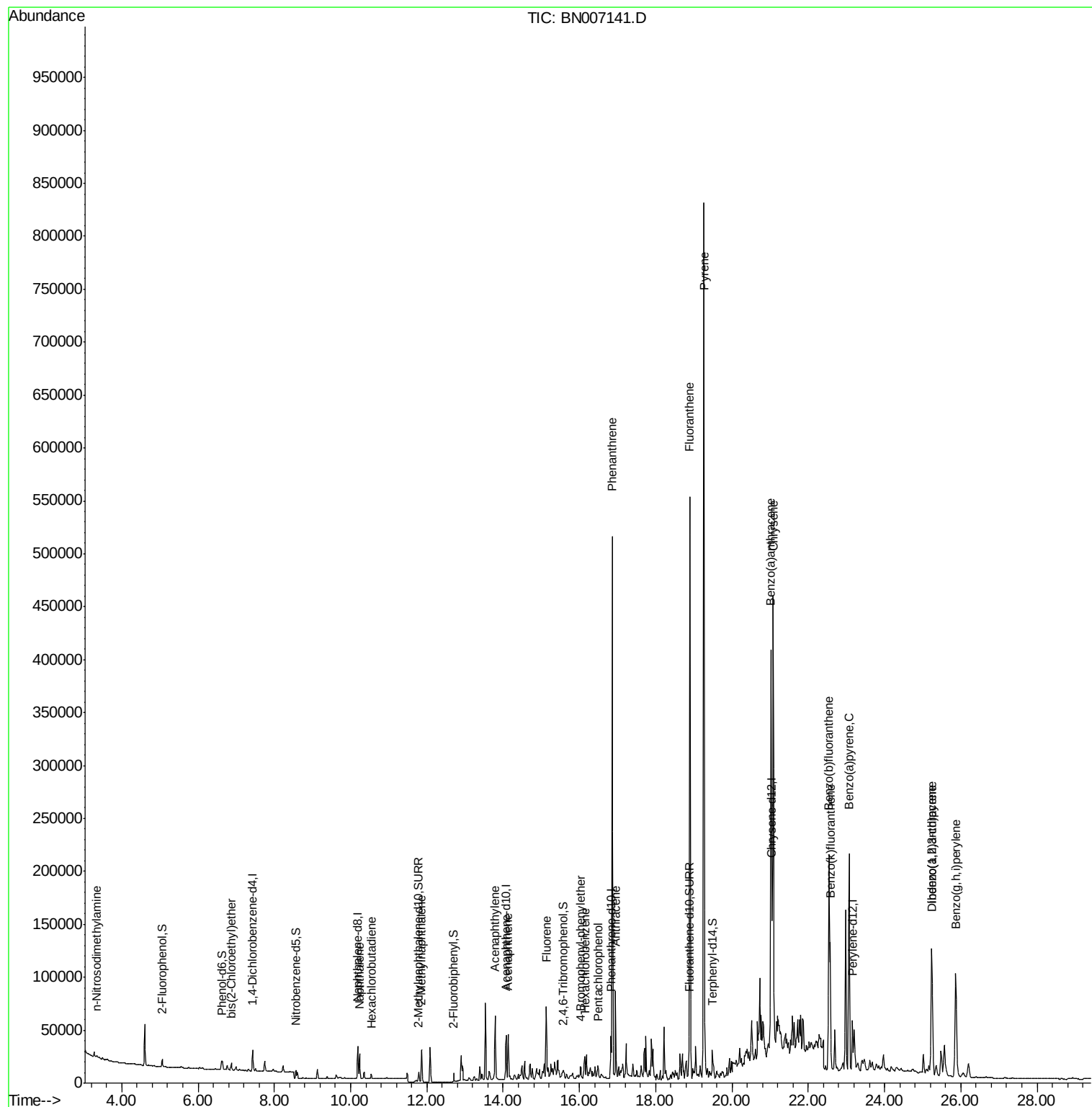
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|-------------------------------|-------|------|----------|-------|-------|--------|
| 2) n-Nitrosodimethylamine     | 3.34  | 42   | 1381     | 0.209 | ng    | # 87   |
| 5) bis(2-Chloroethyl)ether    | 6.87  | 93   | 5917     | 0.224 | ng    | 97     |
| 8) Naphthalene                | 10.24 | 128  | 29700    | 0.266 | ng    | 99     |
| 9) Hexachlorobutadiene        | 10.54 | 225  | 3964     | 0.166 | ng    | # 100  |
| 11) 2-Methylnaphthalene       | 11.86 | 142  | 22104    | 0.279 | ng    | 97     |
| 15) Acenaphthylene            | 13.79 | 152  | 74112    | 0.628 | ng    | 99     |
| 16) Acenaphthene              | 14.13 | 154  | 23641    | 0.313 | ng    | 97     |
| 17) Fluorene                  | 15.13 | 166  | 38589    | 0.341 | ng    | 93     |
| 19) 4-Bromophenyl-phenylether | 16.03 | 248  | 6124     | 0.194 | ng    | # 78   |
| 20) Hexachlorobenzene         | 16.14 | 284  | 5290     | 0.174 | ng    | 98     |
| 21) Pentachlorophenol         | 16.48 | 266  | 2910     | 0.257 | ng    | 99     |
| 22) Phenanthrene              | 16.87 | 178  | 504471   | 3.291 | ng    | 100    |
| 23) Anthracene                | 16.95 | 178  | 86533    | 0.618 | ng    | 98     |
| 25) Fluoranthene              | 18.90 | 202  | 500285   | 2.551 | ng    | 99     |
| 27) Pyrene                    | 19.26 | 202  | 781556   | 4.523 | ng    | 97     |
| 29) Benzo(a)anthracene        | 21.02 | 228  | 331222   | 1.838 | ng    | 94     |
| 30) Chrysene                  | 21.08 | 228  | 396469   | 2.265 | ng    | 97     |
| 31) Indeno(1,2,3-cd)pyrene    | 25.24 | 276  | 175979   | 0.912 | ng    | 99     |
| 33) Benzo(b)fluoranthene      | 22.54 | 252  | 314568   | 1.676 | ng    | 99     |
| 34) Benzo(k)fluoranthene      | 22.58 | 252  | 133772m  | 0.722 | ng    |        |
| 35) Benzo(a)pyrene            | 23.07 | 252  | 276319   | 1.624 | ng    | 99     |
| 36) Dibenzo(a,h)anthracene    | 25.25 | 278  | 72406    | 0.426 | ng    | # 90   |
| 37) Benzo(g,h,i)perylene      | 25.87 | 276  | 193456   | 1.108 | ng    | 99     |

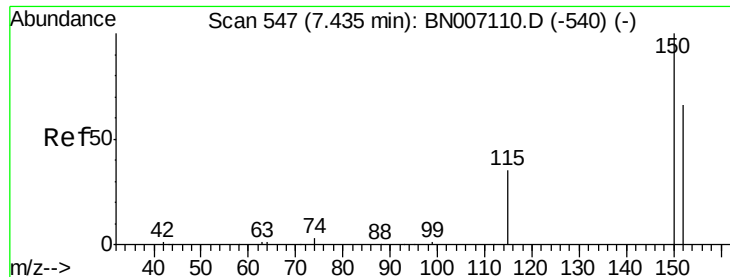
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 13 12:12:02 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.43 min Scan# 547

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

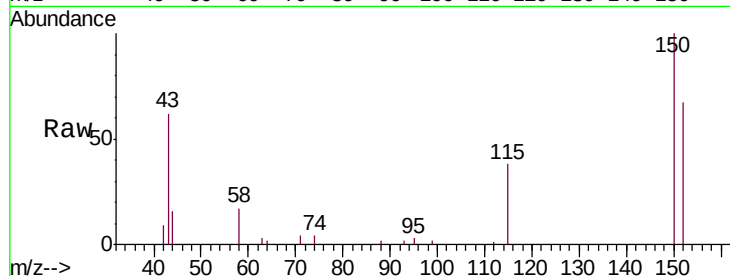
Tgt Ion:152 Resp: 10053

Ion Ratio Lower Upper

152 100

150 148.9 121.7 182.5

115 57.0 46.2 69.4

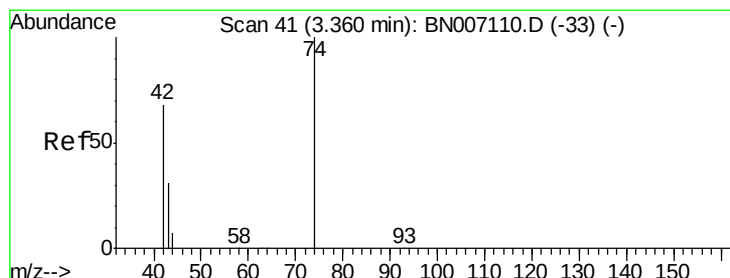
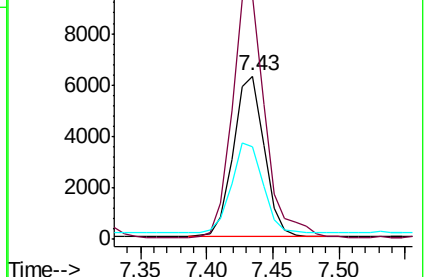
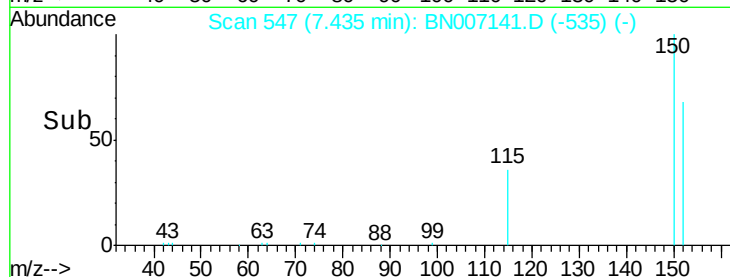


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

n-Nitrosodimethylamine

Concen: 0.209 ng

RT: 3.34 min Scan# 39

Delta R.T. -0.02 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

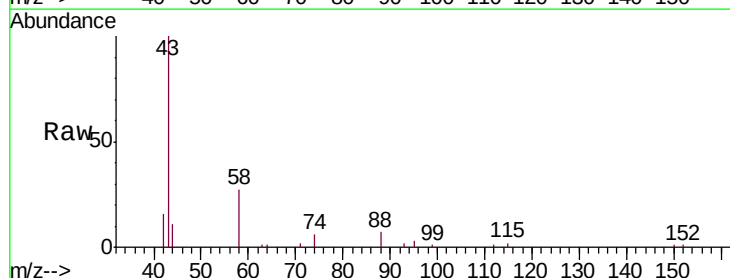
Tgt Ion: 42 Resp: 1381

Ion Ratio Lower Upper

42 100

74 154.1 110.6 166.0

44 0.0 0.0 0.0

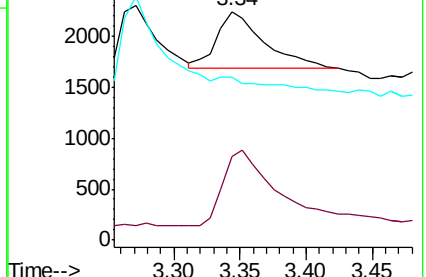
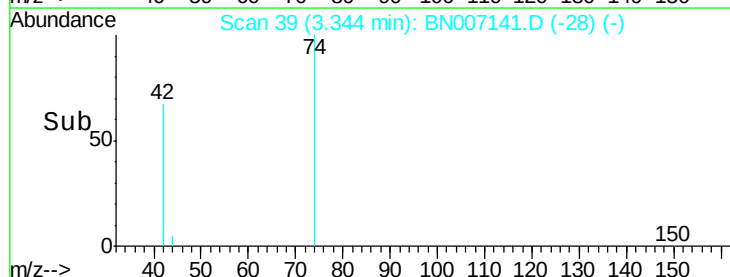


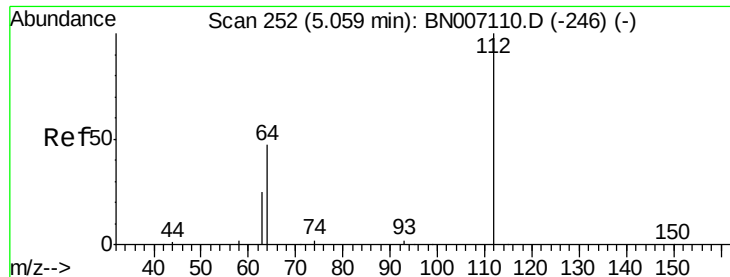
Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC

Time-->





#3

2-Fluorophenol

Concen: 0.235 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

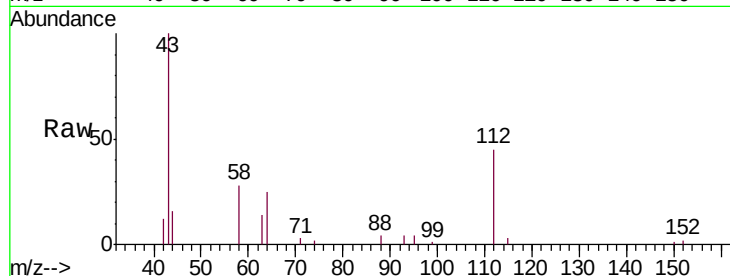
Tgt Ion: 112 Resp: 5684

Ion Ratio Lower Upper

112 100

64 52.1 42.6 63.8

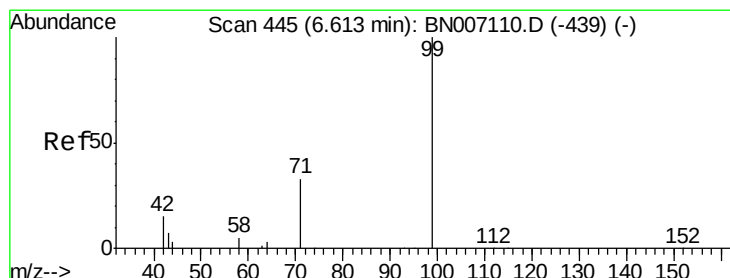
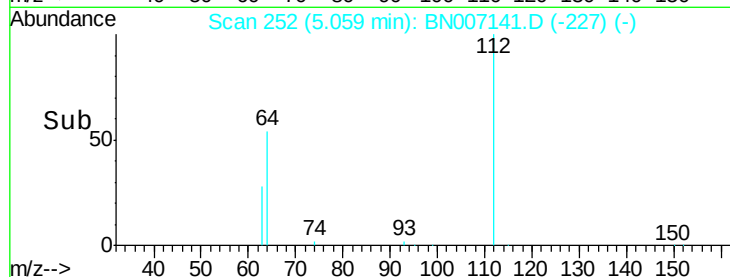
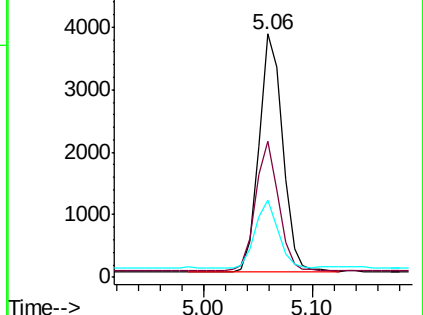
63 28.1 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.257 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

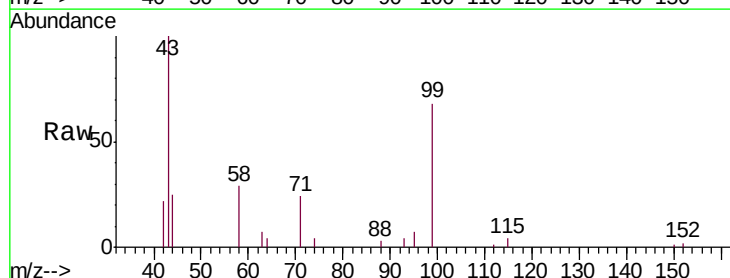
Tgt Ion: 99 Resp: 7695

Ion Ratio Lower Upper

99 100

42 24.5 15.8 23.6#

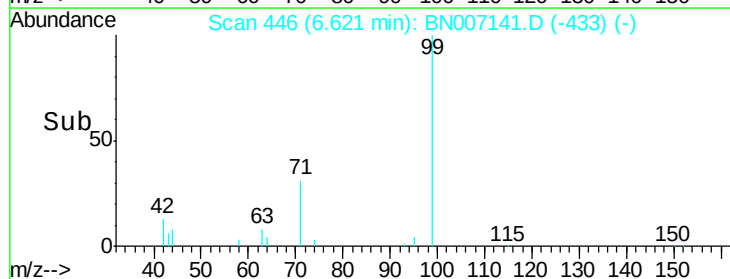
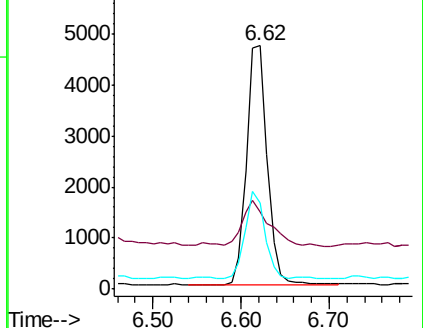
71 34.9 27.0 40.4

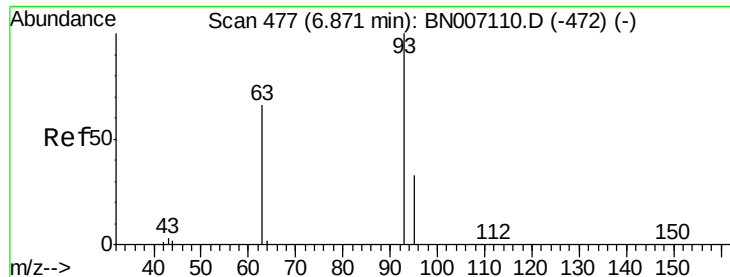


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.224 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

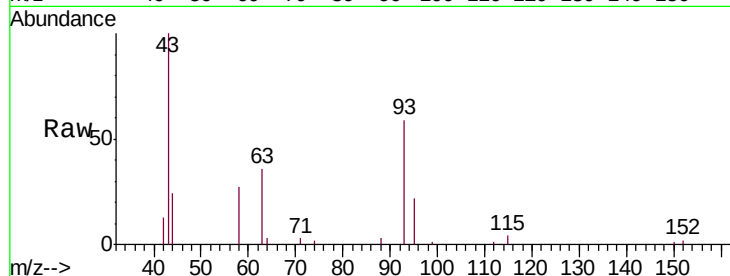
Tgt Ion: 93 Resp: 5917

Ion Ratio Lower Upper

93 100

63 66.5 55.6 83.4

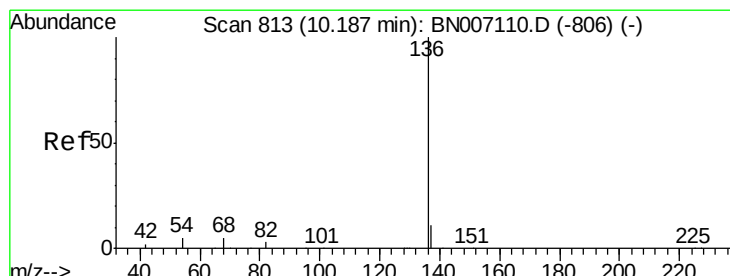
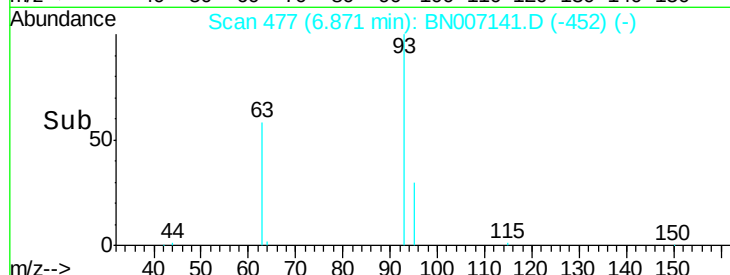
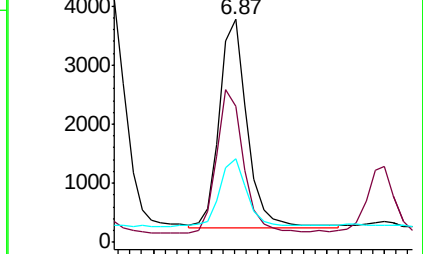
95 32.6 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007141.D (-452) (-)

Ion 63.00 (62.70 to 63.70): BN007141.D (-452) (-)

Ion 95.00 (94.70 to 95.70): BN007141.D (-452) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Tgt Ion: 136 Resp: 39888

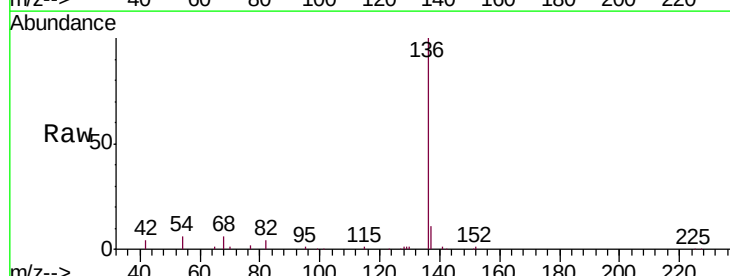
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 6.1 6.6 9.8#

68 5.5 6.0 9.0#

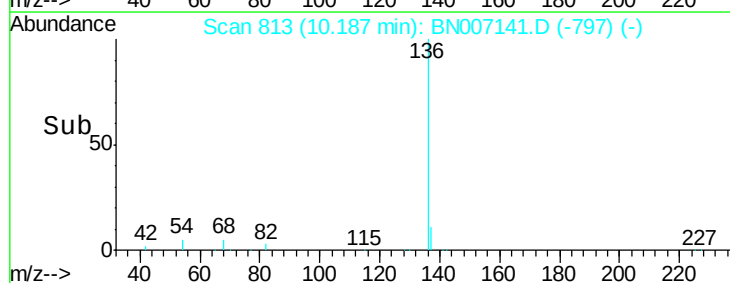
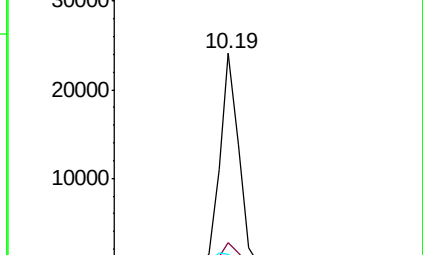


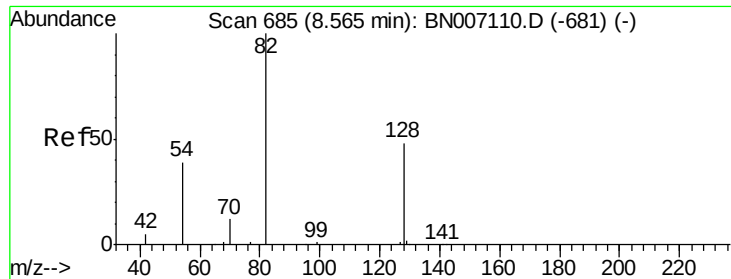
Abundance Ion 136.00 (135.70 to 136.70): BN007141.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007141.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007141.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007141.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.196 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

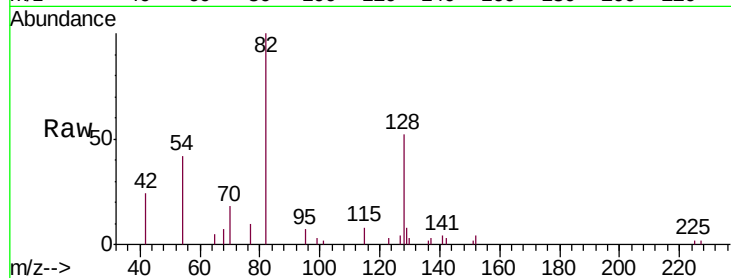
Tgt Ion: 82 Resp: 6306

Ion Ratio Lower Upper

82 100

128 51.8 34.6 51.8

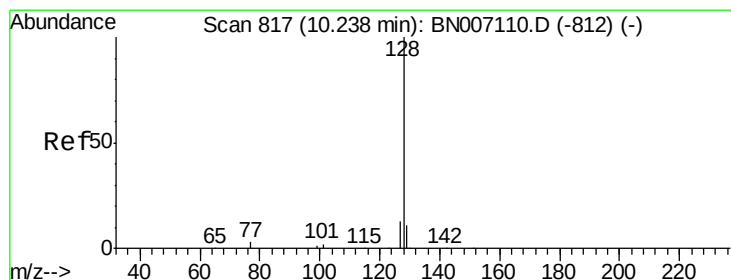
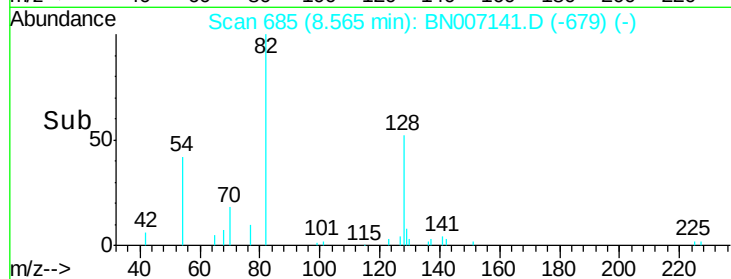
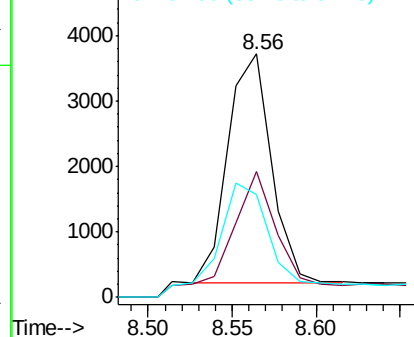
54 42.5 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007141.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007141.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007141.D (-679) (-)



#8

Naphthalene

Concen: 0.266 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

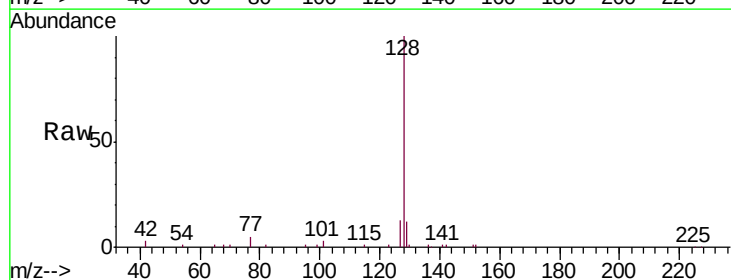
Tgt Ion: 128 Resp: 29700

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

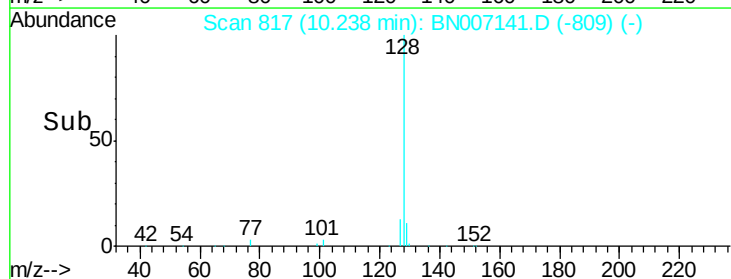
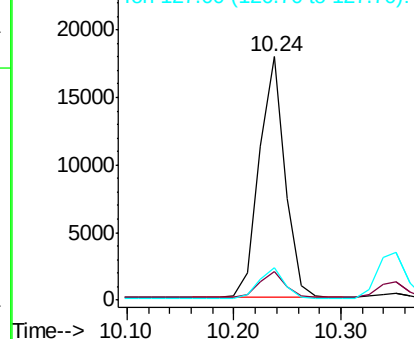
127 13.4 11.0 16.6

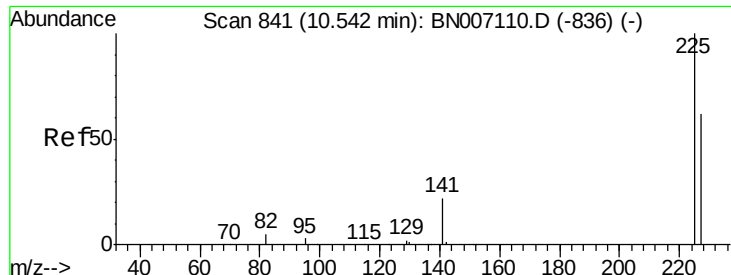


Abundance Ion 128.00 (127.70 to 128.70): BN007141.D (-809) (-)

Ion 129.00 (128.70 to 129.70): BN007141.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007141.D (-809) (-)





#9

Hexachlorobutadiene

Concen: 0.166 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

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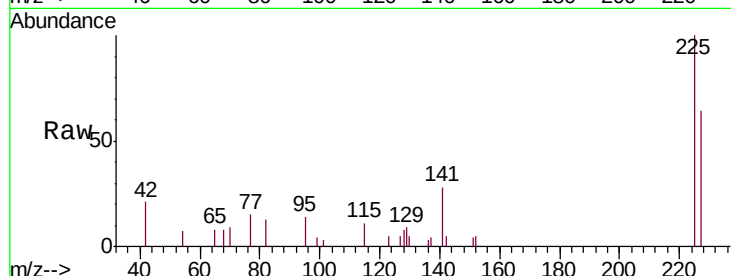
Tgt Ion:225 Resp: 3964

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

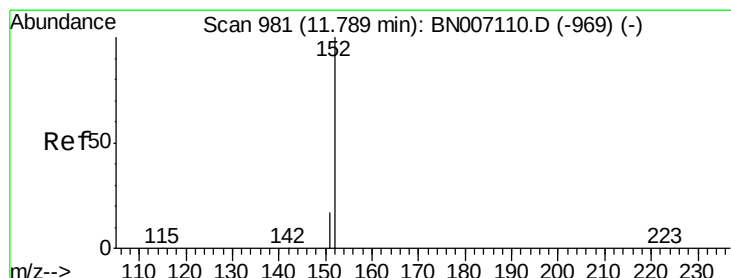
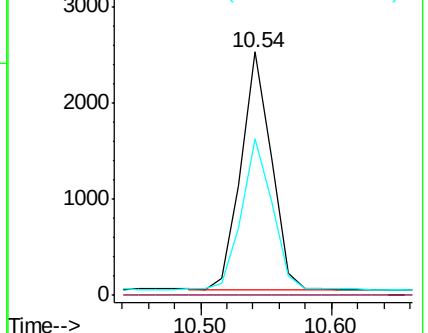
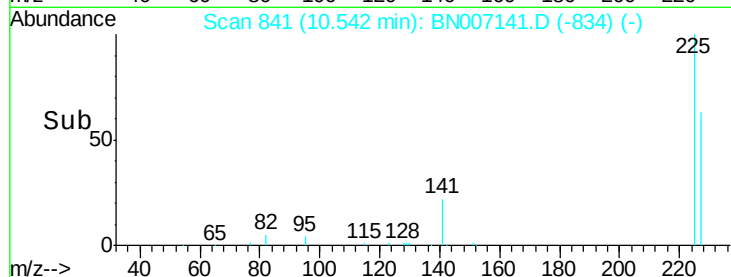
227 63.7 51.1 76.7



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



#10

2-Methylnaphthalene-d10

Concen: 0.172 ng m

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007141.D

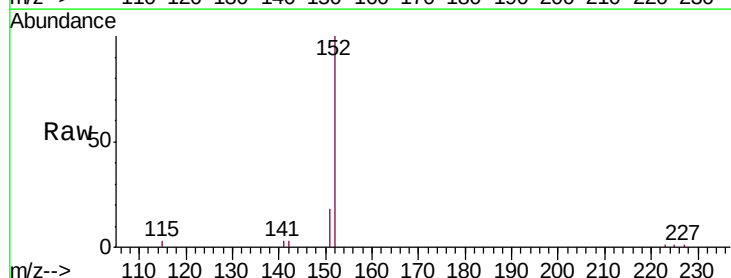
Acq: 13 Aug 2019 20:43

Tgt Ion:152 Resp: 12798

Ion Ratio Lower Upper

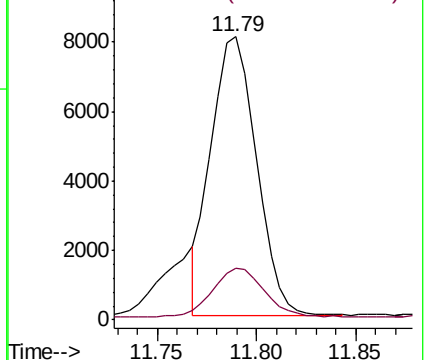
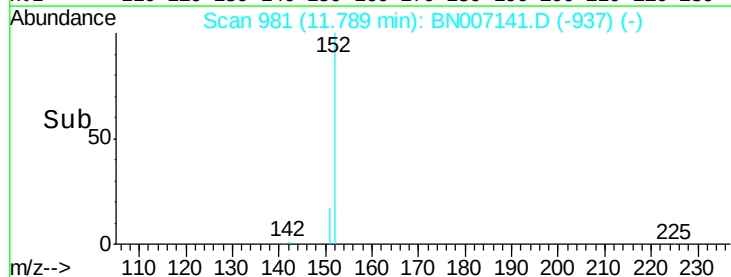
152 100

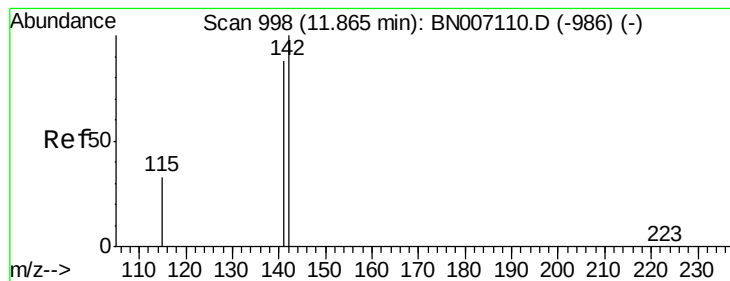
151 19.9 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.279 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

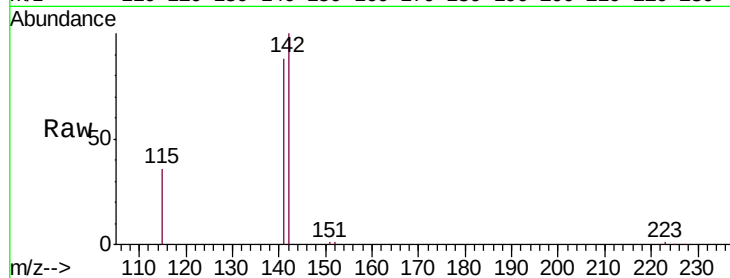
Tgt Ion:142 Resp: 22104

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

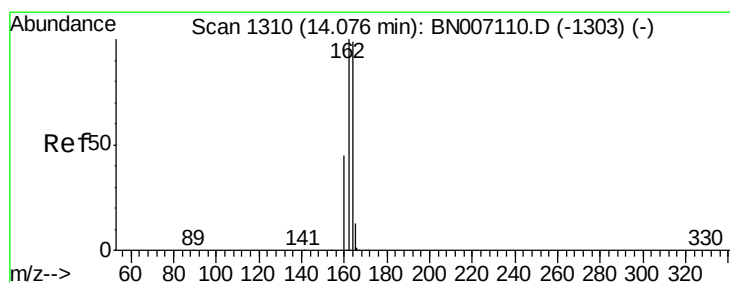
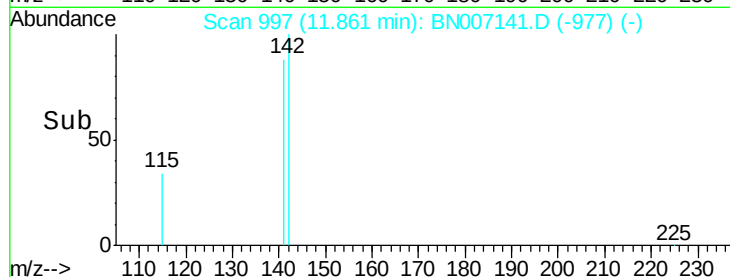
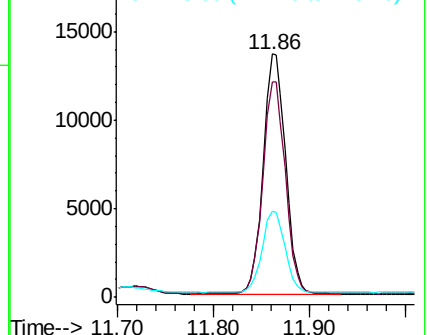
115 35.6 27.1 40.7



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: BN007141.D

Acq: 13 Aug 2019 20:43

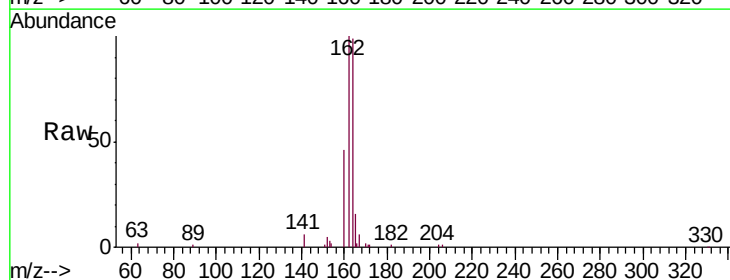
Tgt Ion:164 Resp: 22570

Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.4

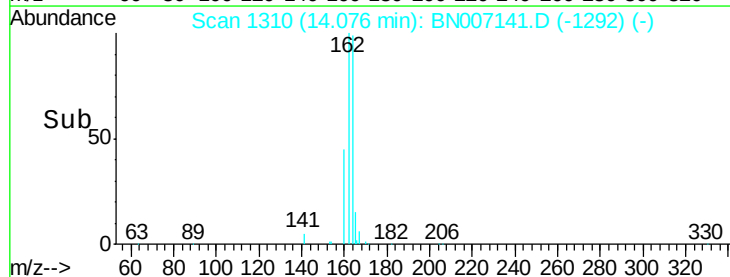
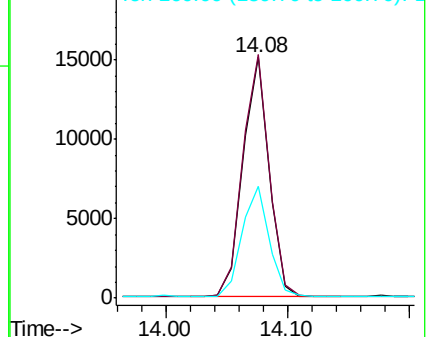
160 46.2 38.3 57.5



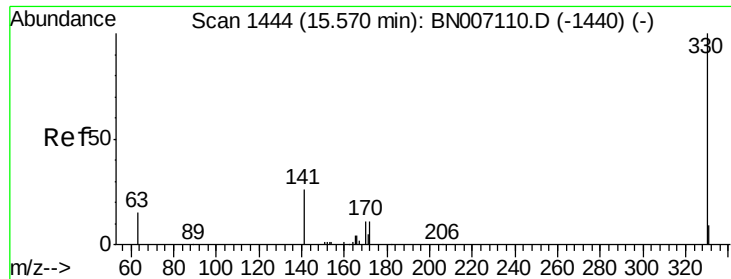
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



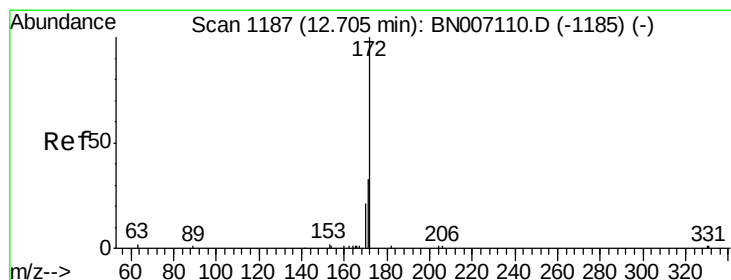
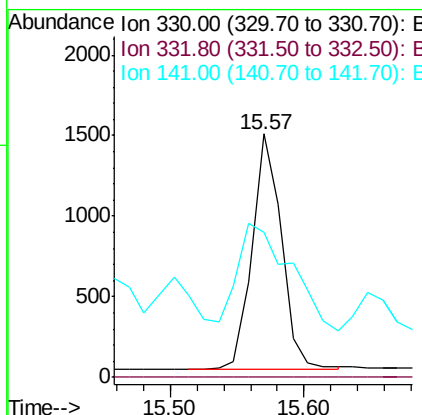
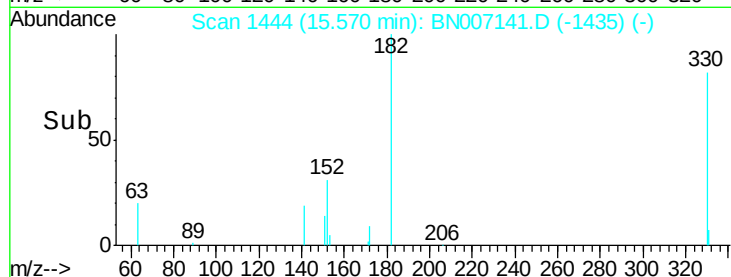
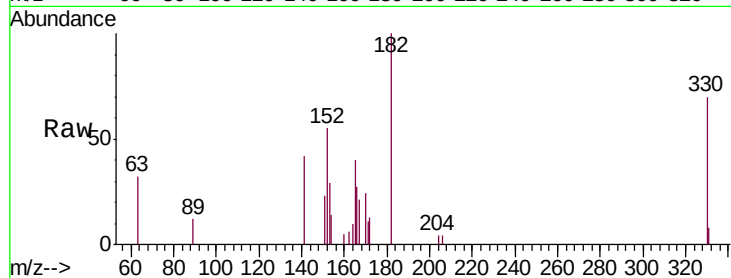




#13  
 2,4,6-Tribromophenol  
 Concen: 0.183 ng  
 RT: 15.57 min Scan# 1444  
 Delta R.T. -0.00 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

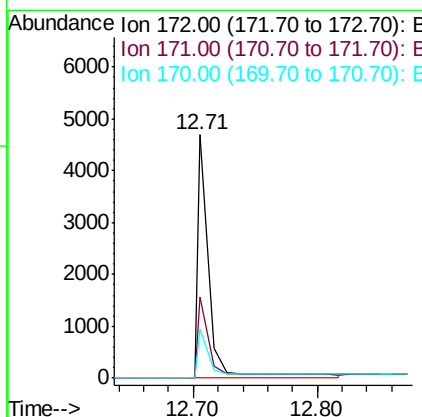
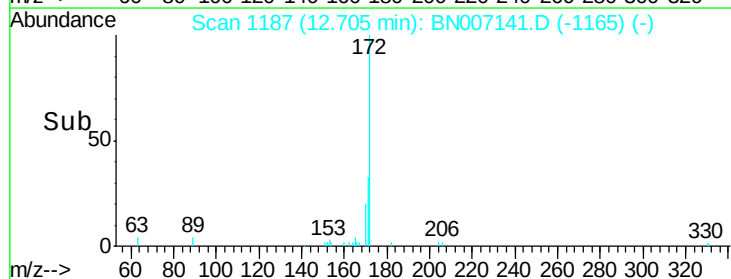
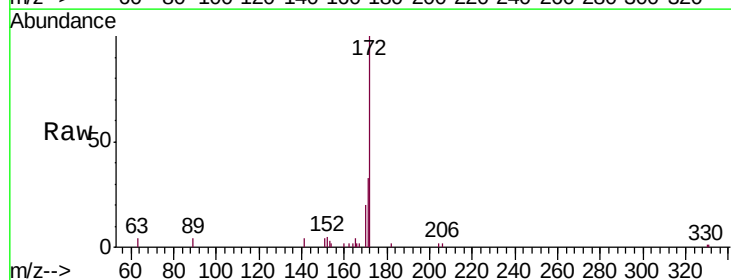
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-SW112-073119-1MSD

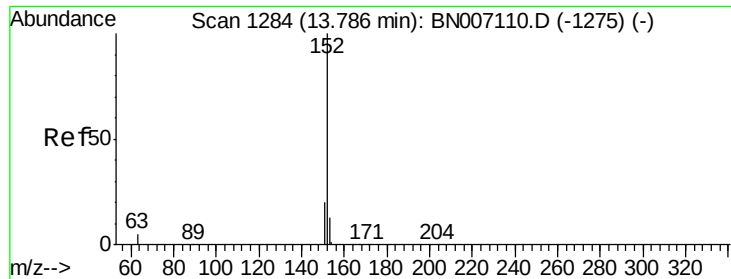
Tgt Ion: 330 Resp: 2226  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 81.9 33.6 50.4#



#14  
 2-Fluorobiphenyl  
 Concen: 0.110 ng  
 RT: 12.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

Tgt Ion: 172 Resp: 3603  
 Ion Ratio Lower Upper  
 172 100  
 171 33.4 26.3 39.5  
 170 20.2 17.0 25.4





#15

Acenaphthylene

Concen: 0.628 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

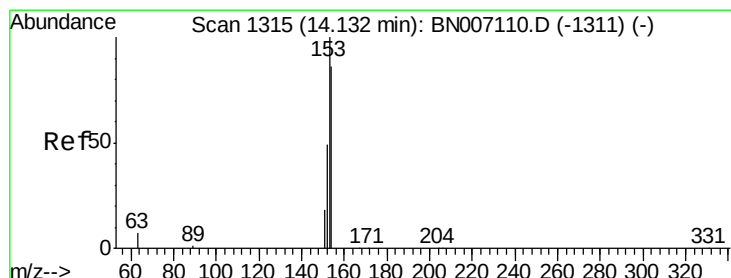
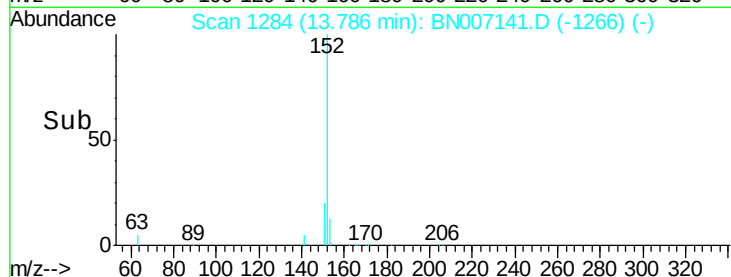
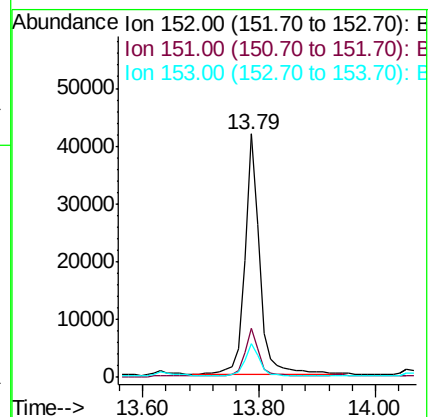
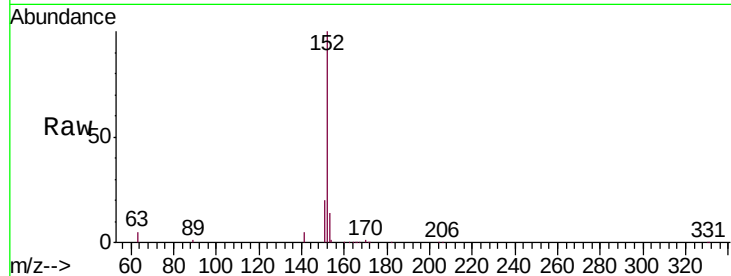
Tgt Ion:152 Resp: 74112

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

153 13.5 10.4 15.6



#16

Acenaphthene

Concen: 0.313 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

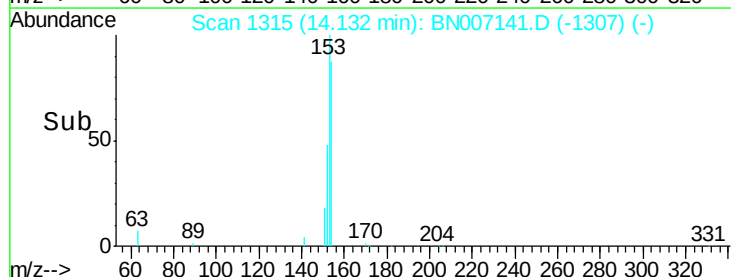
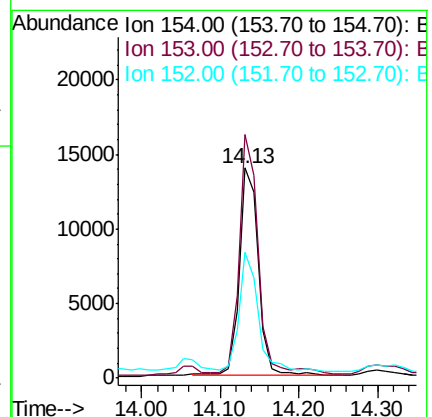
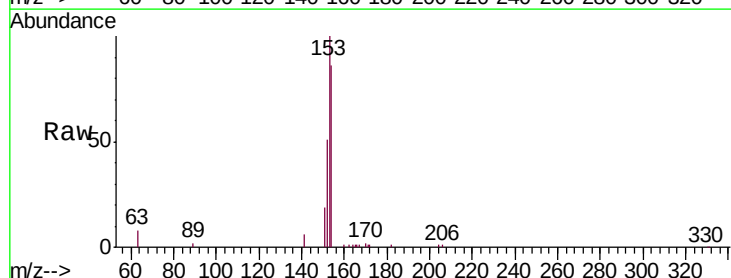
Tgt Ion:154 Resp: 23641

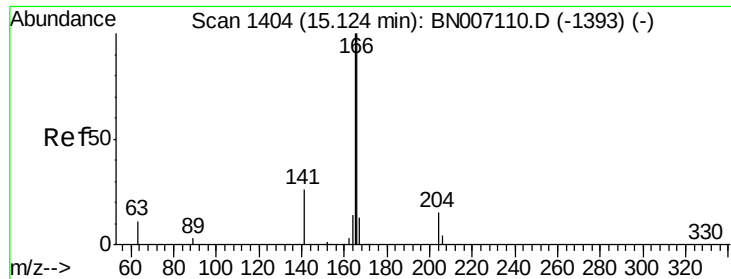
Ion Ratio Lower Upper

154 100

153 115.6 89.5 134.3

152 57.5 44.8 67.2

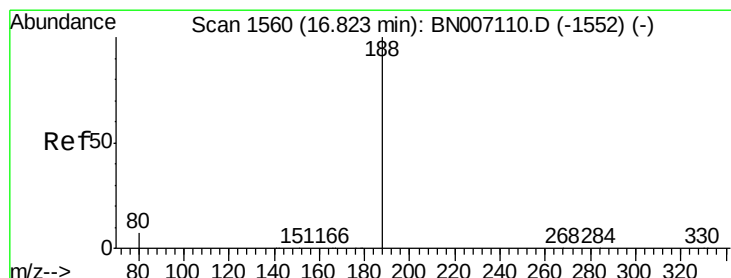
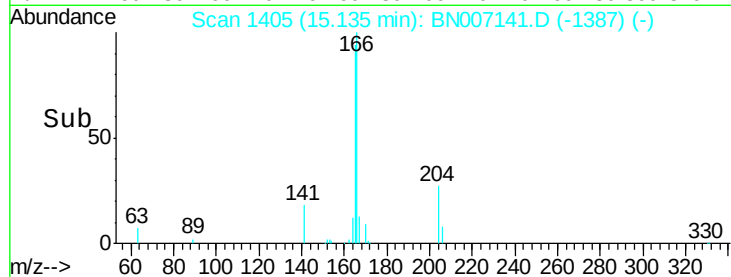
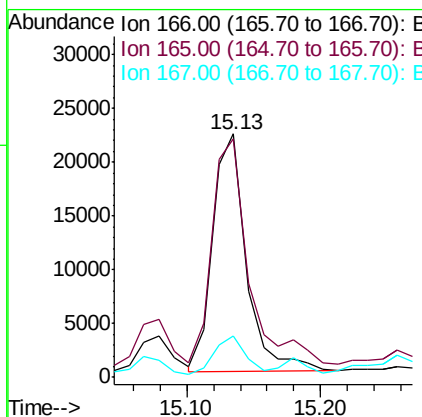
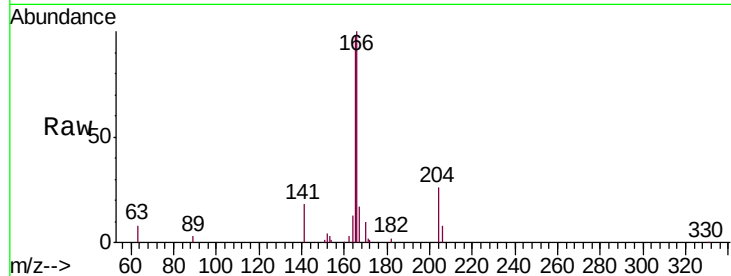




#17  
**Fluorene**  
 Concen: 0.341 ng  
 RT: 15.13 min Scan# 1405  
 Delta R.T. -0.00 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

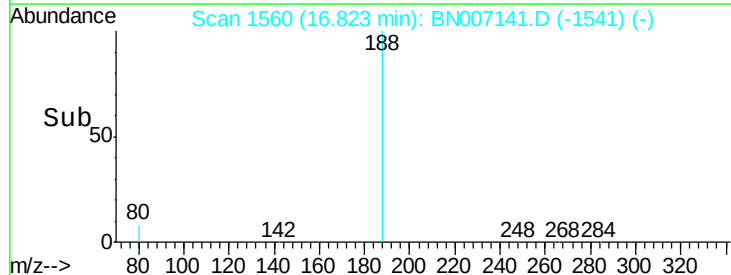
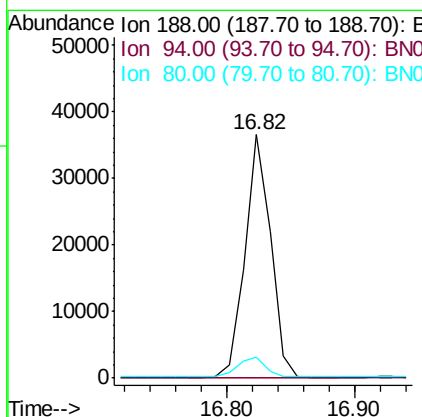
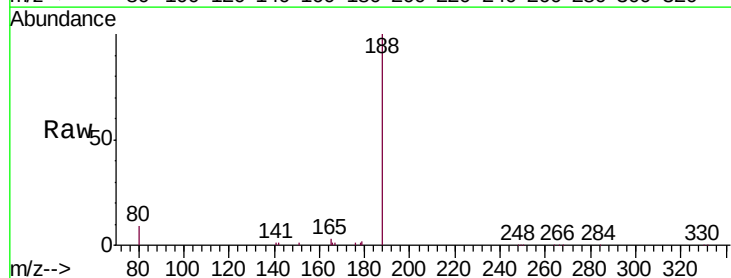
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-SW112-073119-1MSD

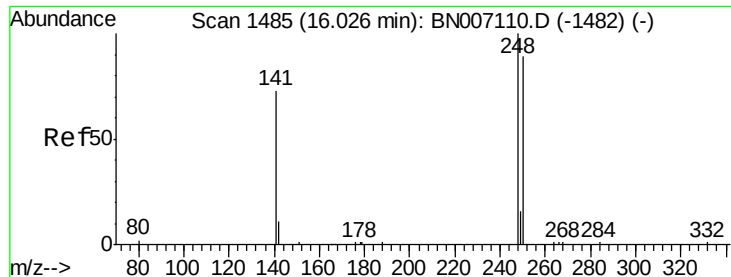
Tgt Ion:166 Resp: 38589  
 Ion Ratio Lower Upper  
 166 100  
 165 104.4 77.9 116.9  
 167 14.6 10.9 16.3



#18  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 16.82 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

Tgt Ion:188 Resp: 51154  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 8.5 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.194 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

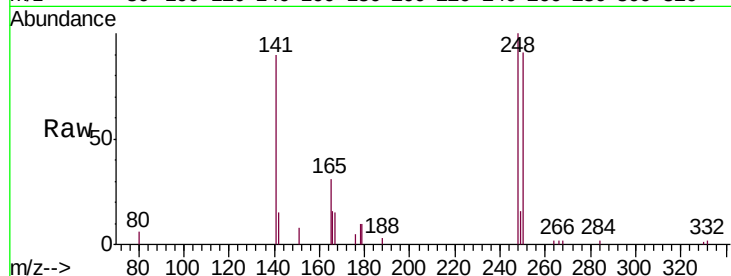
Tgt Ion:248 Resp: 6124

Ion Ratio Lower Upper

248 100

250 91.3 78.9 118.3

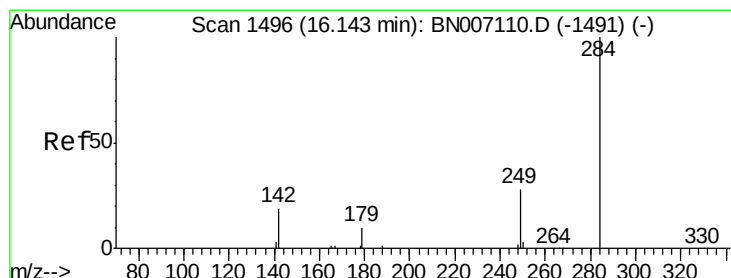
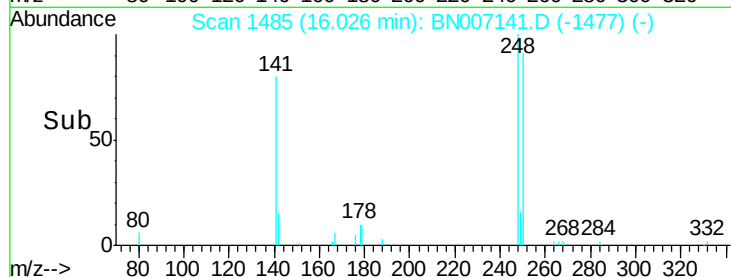
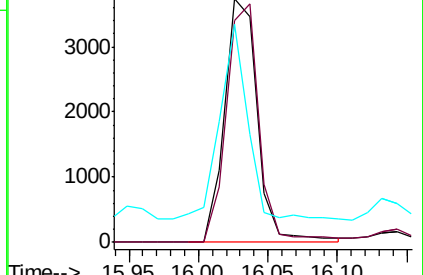
141 89.8 43.3 64.9#



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



#20

Hexachlorobenzene

Concen: 0.174 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

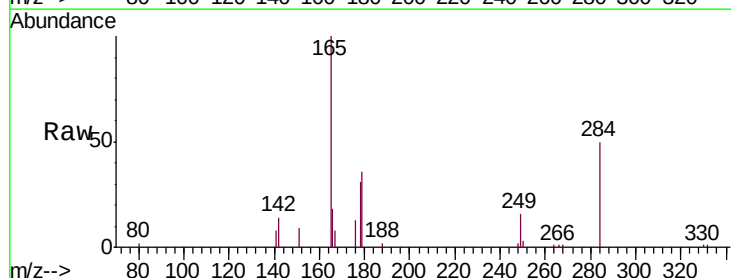
Tgt Ion:284 Resp: 5290

Ion Ratio Lower Upper

284 100

142 40.2 30.5 45.7

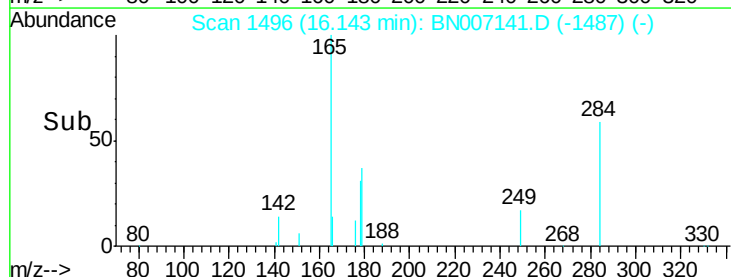
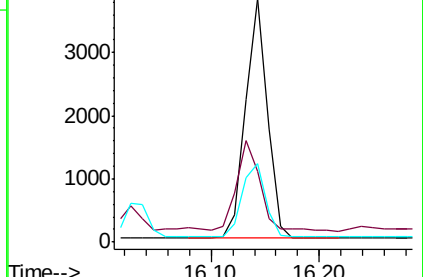
249 33.6 26.7 40.1

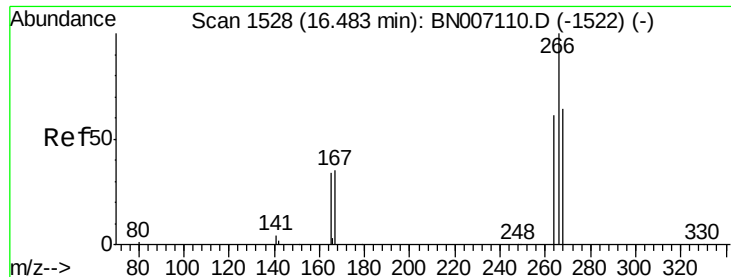


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.257 ng

RT: 16.48 min Scan# 1528

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

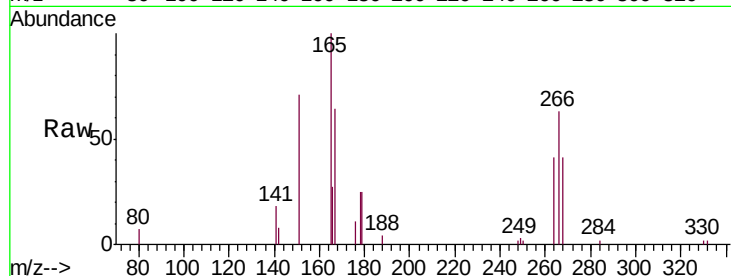
Tgt Ion: 266 Resp: 2910

Ion Ratio Lower Upper

266 100

264 64.5 52.3 78.5

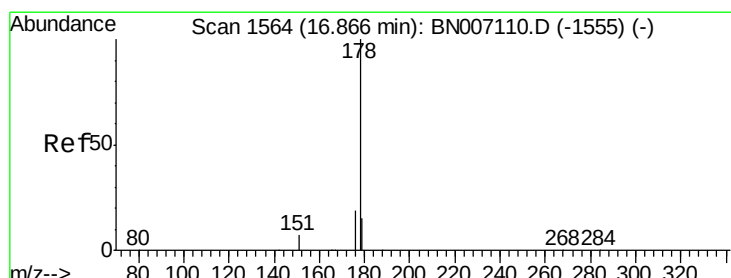
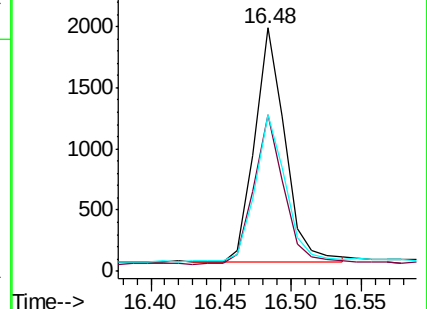
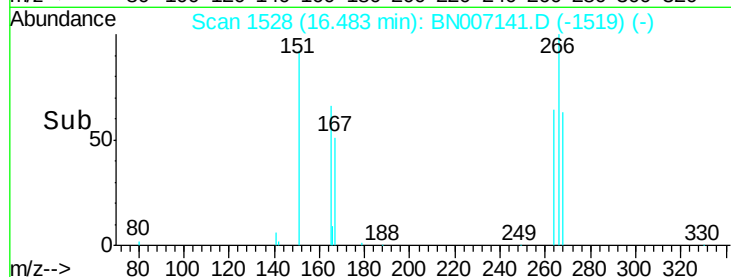
268 64.4 51.5 77.3



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#22

Phenanthrene

Concen: 3.291 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

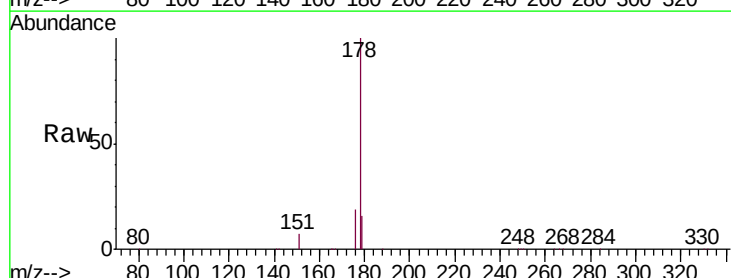
Tgt Ion: 178 Resp: 504471

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

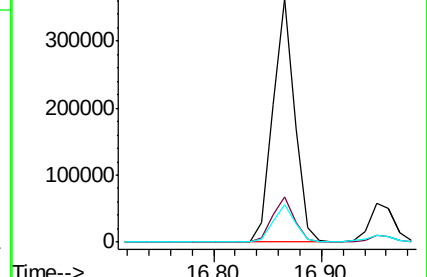
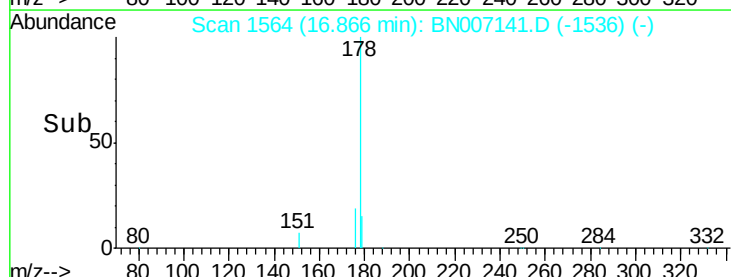
179 15.7 12.3 18.5

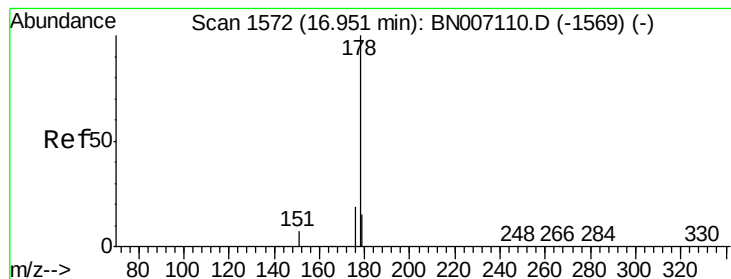


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.618 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

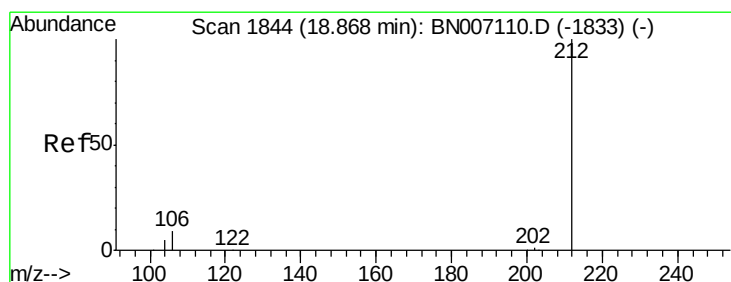
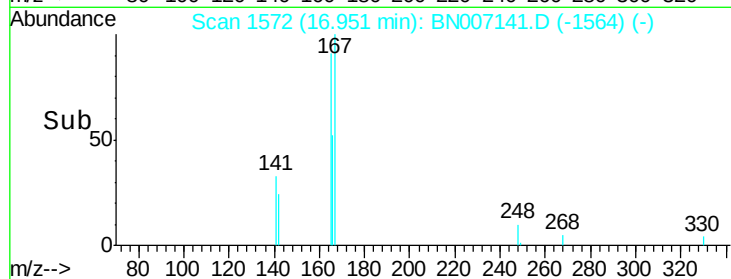
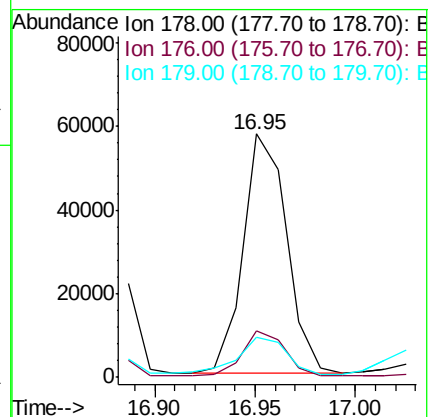
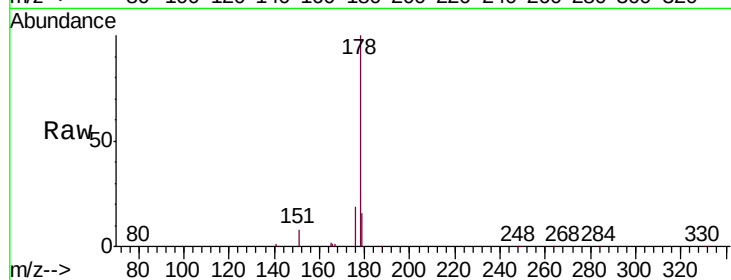
Tgt Ion:178 Resp: 86533

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 16.8 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.159 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

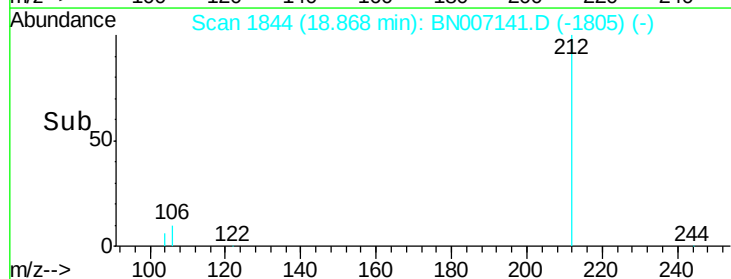
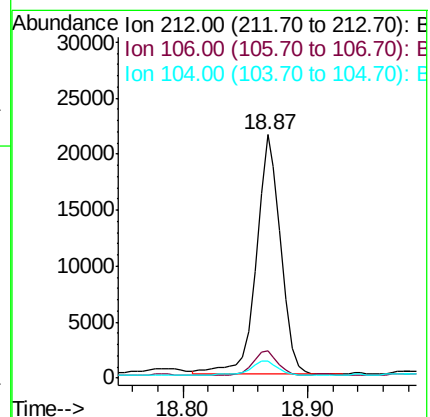
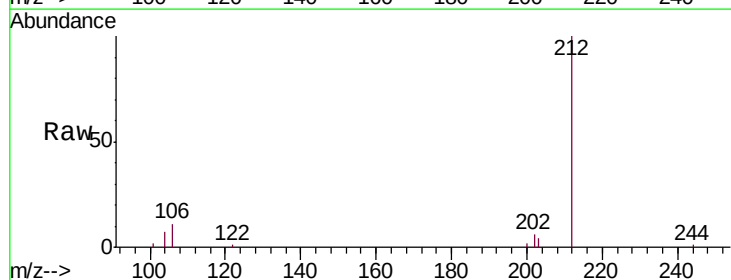
Tgt Ion:212 Resp: 28922

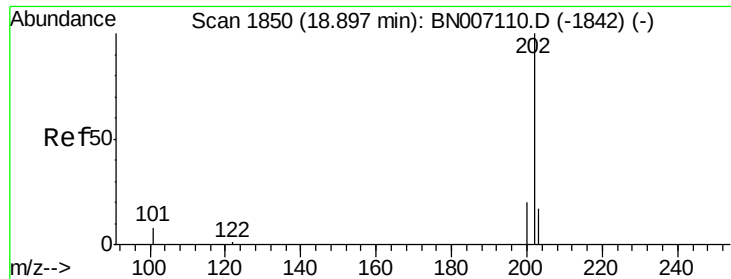
Ion Ratio Lower Upper

212 100

106 10.2 8.2 12.2

104 6.8 4.5 6.7#





#25

Fluoranthene

Concen: 2.551 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

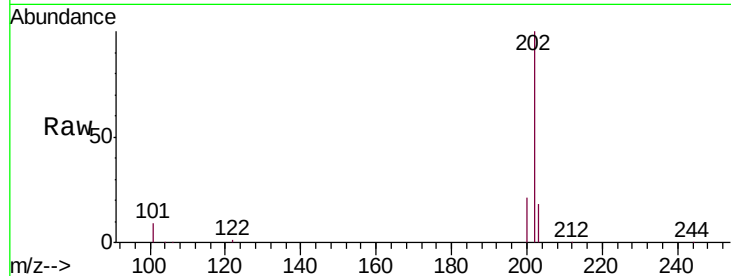
Tgt Ion:202 Resp: 500285

Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

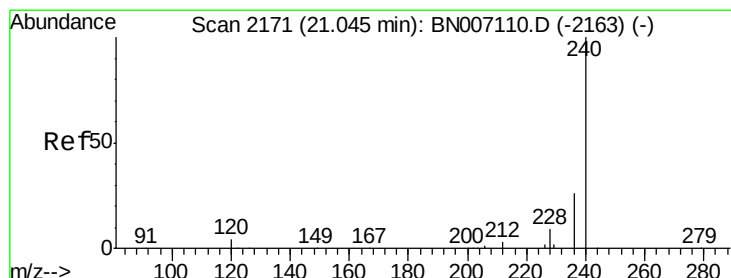
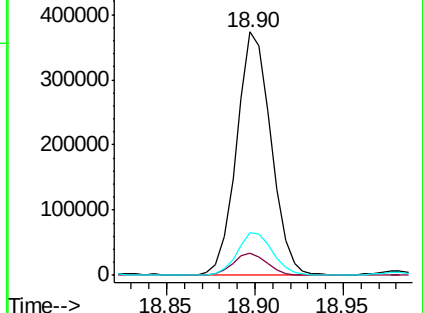
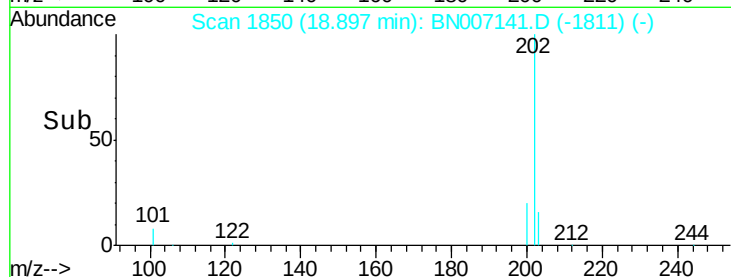
203 17.9 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

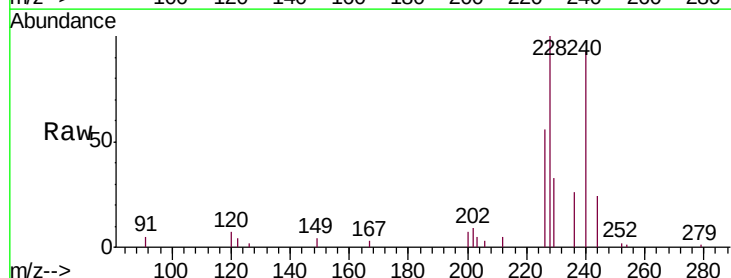
Tgt Ion:240 Resp: 49269

Ion Ratio Lower Upper

240 100

120 7.8 4.0 6.0#

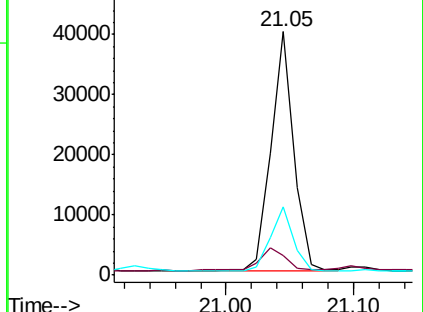
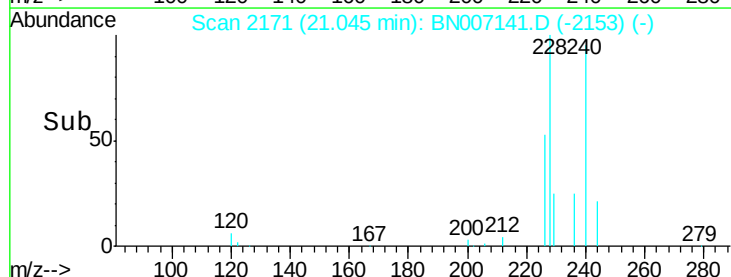
236 27.8 21.3 31.9

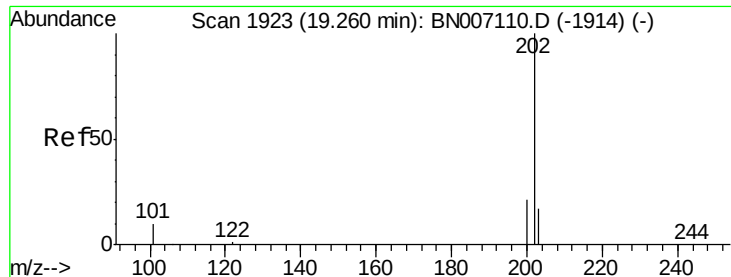


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

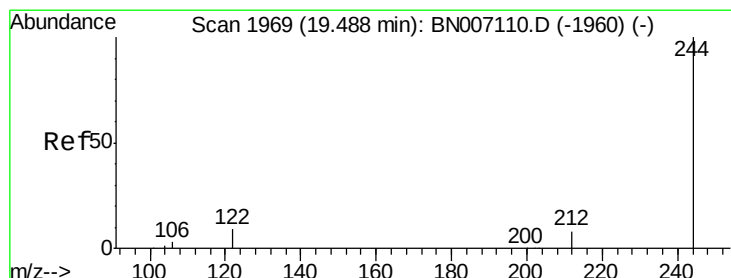
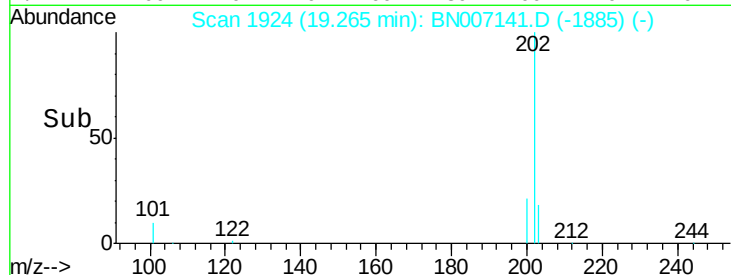
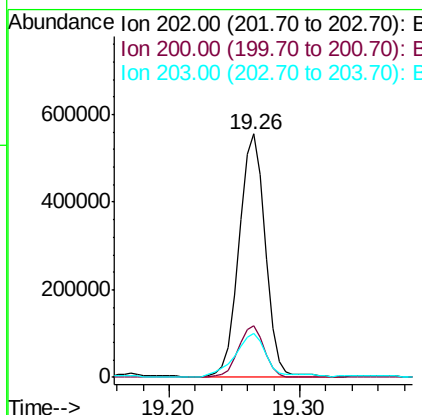
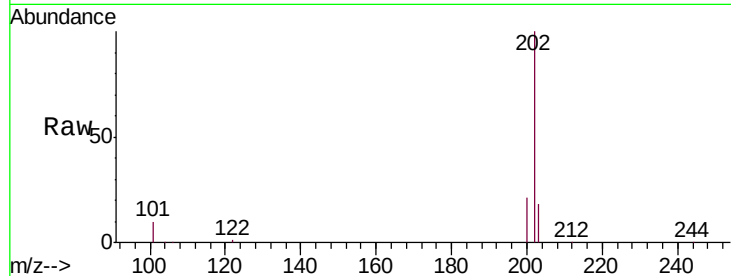




#27  
 Pyrene  
 Concen: 4.523 ng  
 RT: 19.26 min Scan# 1924  
 Delta R.T. -0.01 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

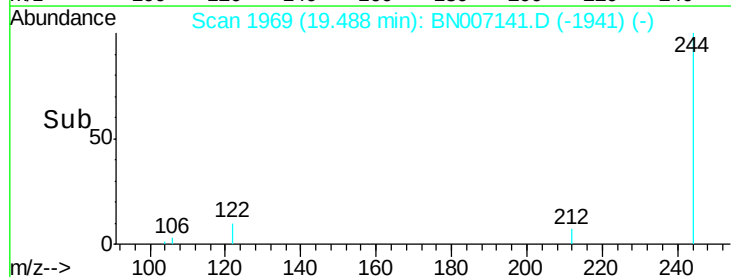
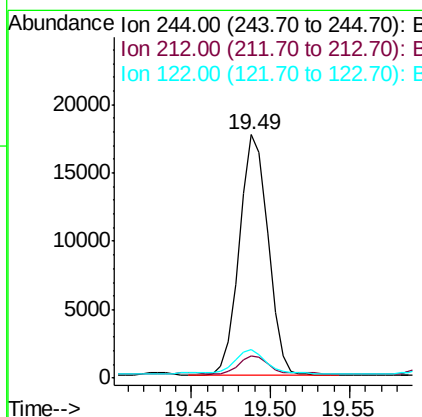
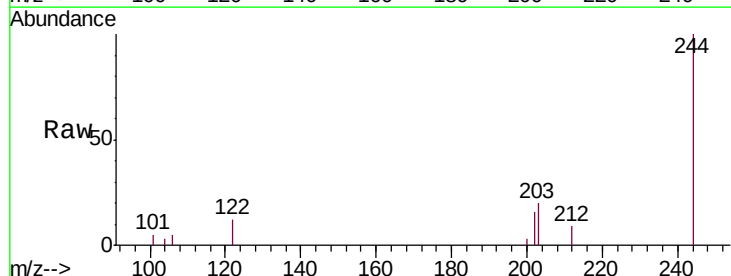
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-SW112-073119-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 781556 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 20.9  | 16.6  | 24.8   |
| 203      | 20.4  | 14.0  | 21.0   |

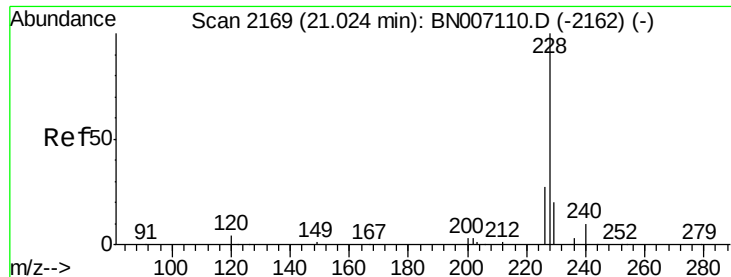


#28  
 Terphenyl-d14  
 Concen: 0.165 ng  
 RT: 19.49 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: BN007141.D  
 Acq: 13 Aug 2019 20:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 22160 |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 9.0   | 6.2   | 9.2   |
| 122      | 12.0  | 7.4   | 11.2# |







#29

Benzo(a)anthracene

Concen: 1.838 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

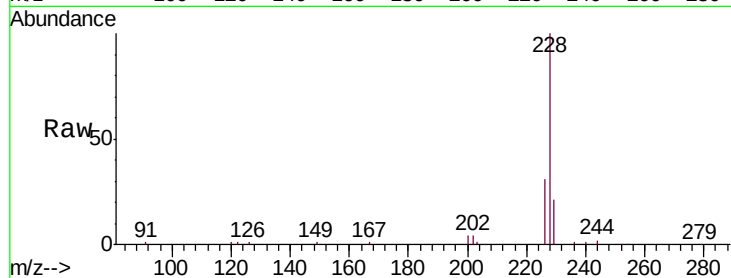
Tgt Ion:228 Resp: 331222

Ion Ratio Lower Upper

228 100

226 30.9 21.8 32.6

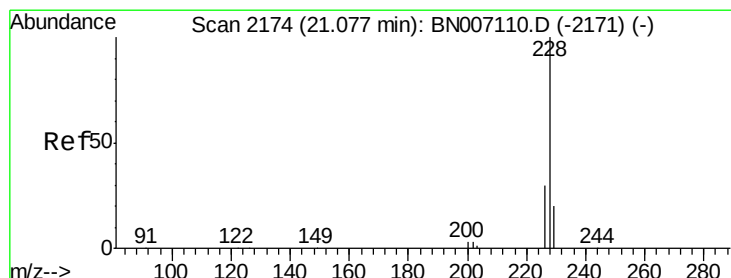
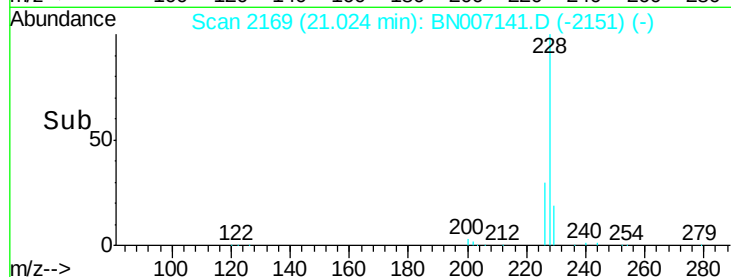
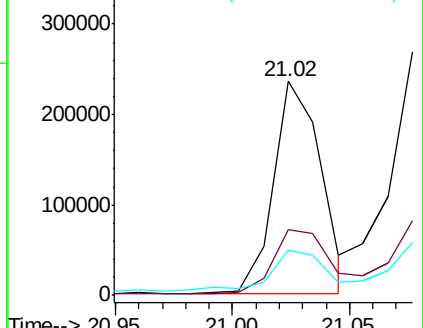
229 21.3 15.6 23.4



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: 2.265 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

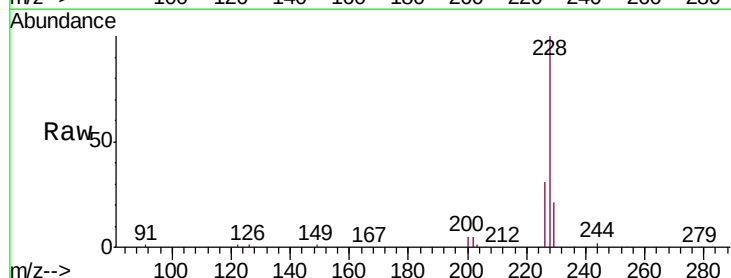
Tgt Ion:228 Resp: 396469

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

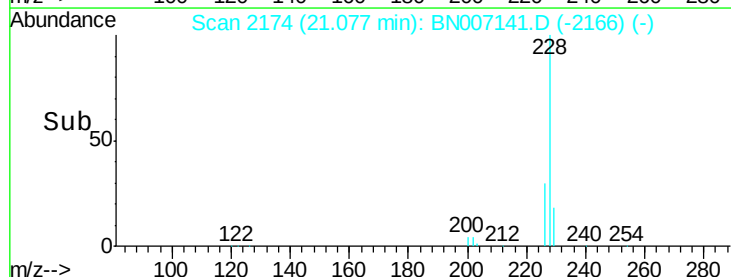
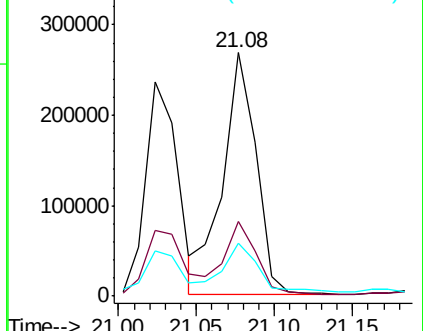
229 21.5 15.7 23.5

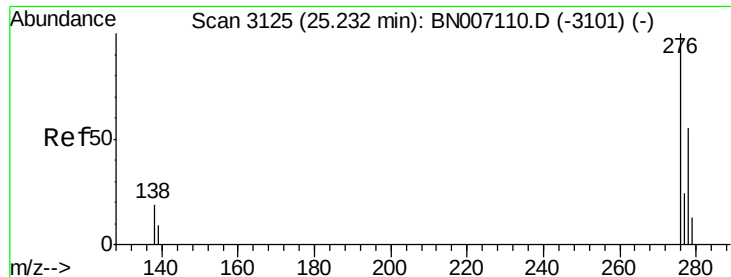


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.912 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

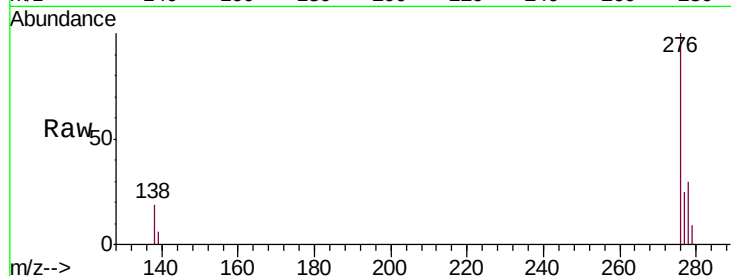
Tgt Ion:276 Resp: 175979

Ion Ratio Lower Upper

276 100

138 19.3 16.0 24.0

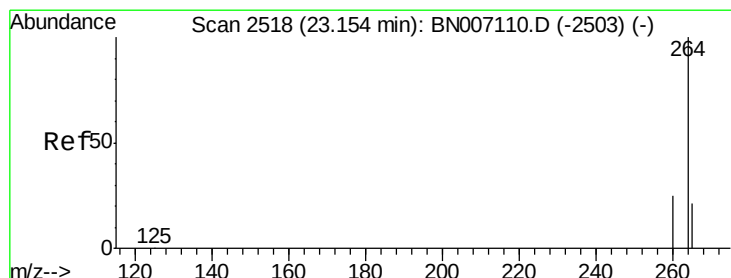
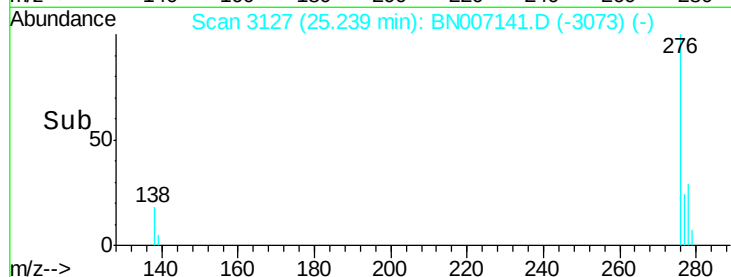
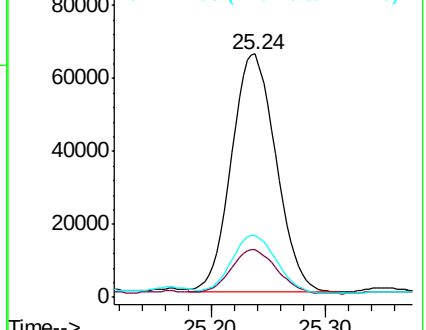
277 24.8 19.9 29.9



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

Perylene-d12

Concen: 0.400 ng

RT: 23.16 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

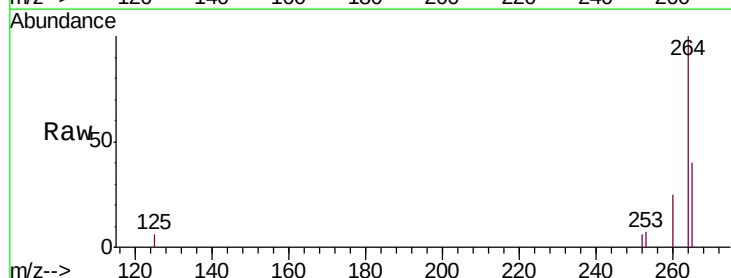
Tgt Ion:264 Resp: 54734

Ion Ratio Lower Upper

264 100

260 25.3 19.8 29.8

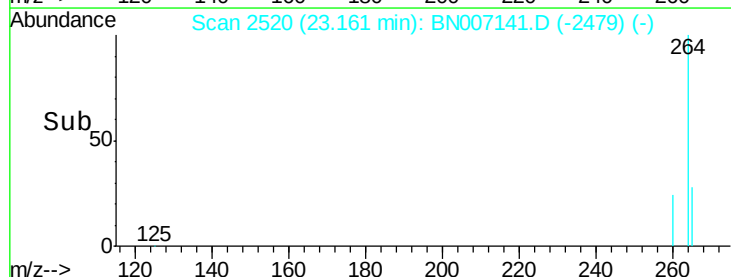
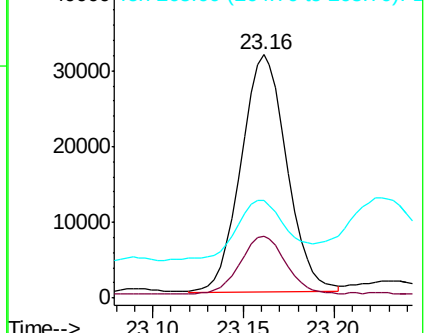
265 40.1 26.2 39.4#

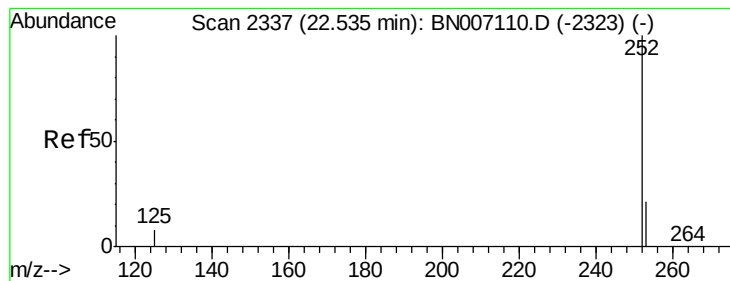


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 1.676 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

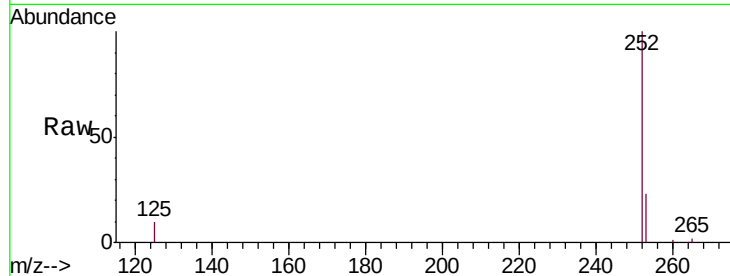
Tgt Ion:252 Resp: 314568

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

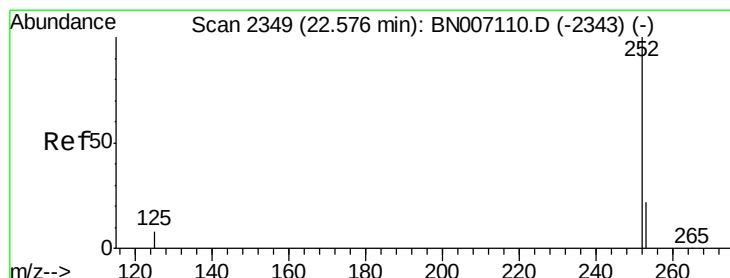
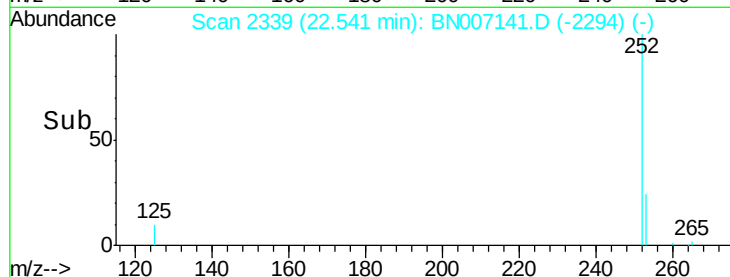
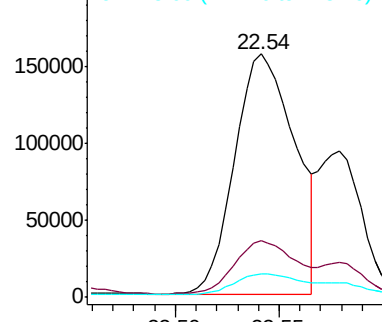
125 9.7 7.4 11.0



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: 0.722 ng m

RT: 22.58 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

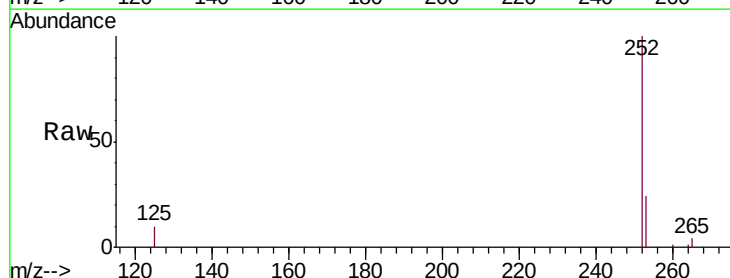
Tgt Ion:252 Resp: 133772

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

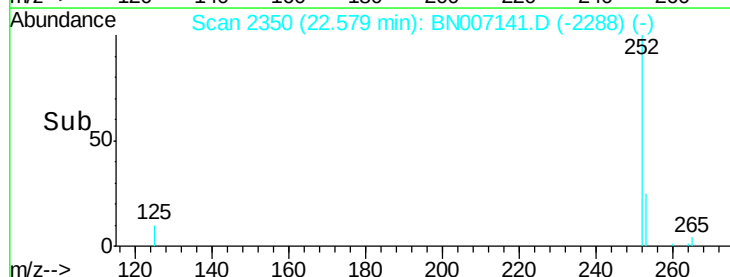
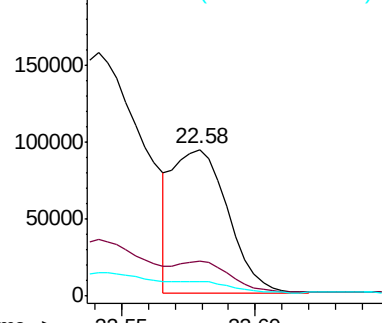
125 10.0 7.4 11.0

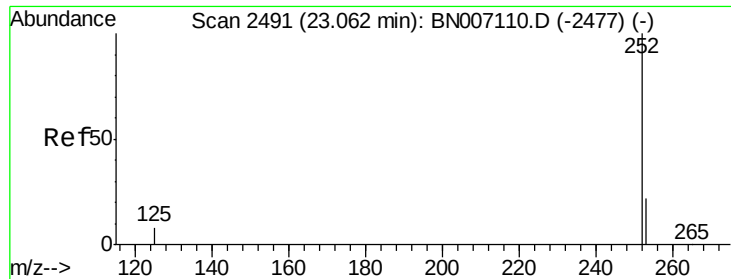


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 1.624 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD

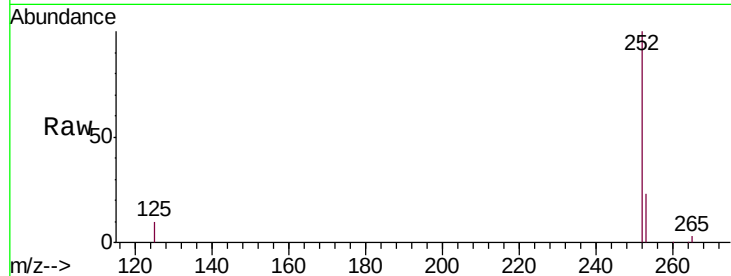
Tgt Ion: 252 Resp: 276319

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

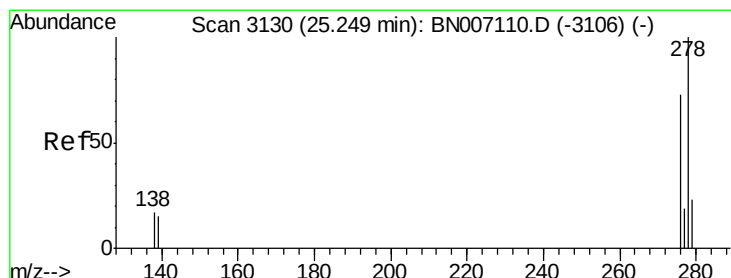
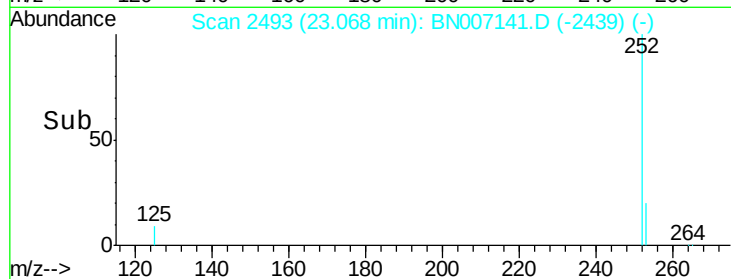
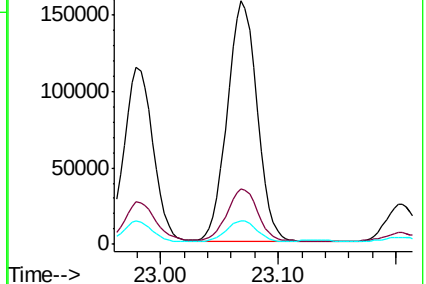
125 9.9 8.2 12.4



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: 0.426 ng

RT: 25.25 min Scan# 3131

Delta R.T. -0.02 min

Lab File: BN007141.D

Acq: 13 Aug 2019 20:43

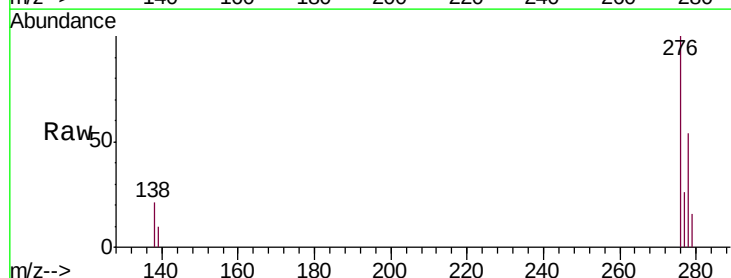
Tgt Ion: 278 Resp: 72406

Ion Ratio Lower Upper

278 100

139 17.7 11.3 16.9#

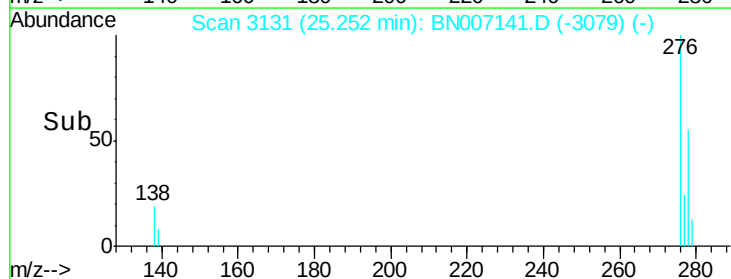
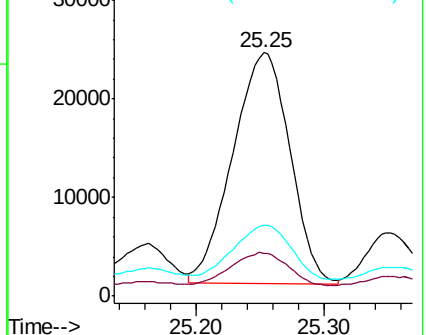
279 29.2 19.3 28.9#

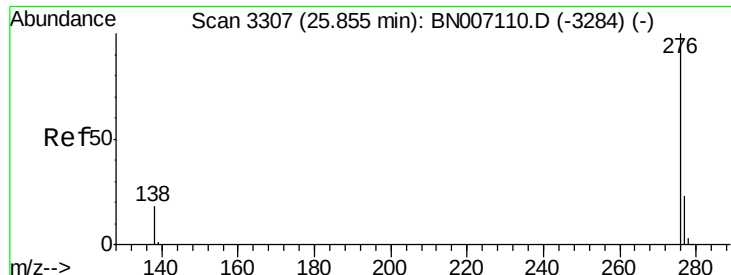


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.108 ng

RT: 25.87 min Scan# 3311

Delta R.T. -0.01 min

Lab File: BN007141.D

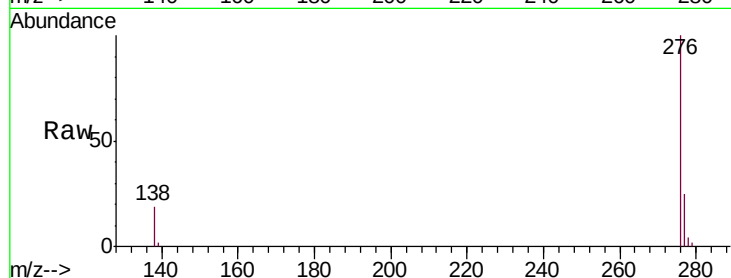
Acq: 13 Aug 2019 20:43

Instrument :

BNA\_N

ClientSampleId :

PST-016-SW112-073119-1MSD



Tgt Ion: 276 Resp: 193456

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.8

138 19.2 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

