

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\  
 Data File : BN007713.D  
 Acq On : 18 Sep 2019 19:41  
 Operator : HP/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 19 07:15:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 5423     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.47 | 136  | 21754    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.32 | 164  | 13974    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 31265    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 34463    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.49 | 264  | 37752    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.32  | 112 | 6299  | 0.34 | ng | 0.00 |
| 5) Phenol-d6                | 6.87  | 99  | 8274  | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 8610  | 0.45 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152 | 14006 | 0.38 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330 | 2336  | 0.31 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 26446 | 0.46 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 39241 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.71 | 244 | 42851 | 0.51 | ng | 0.00 |

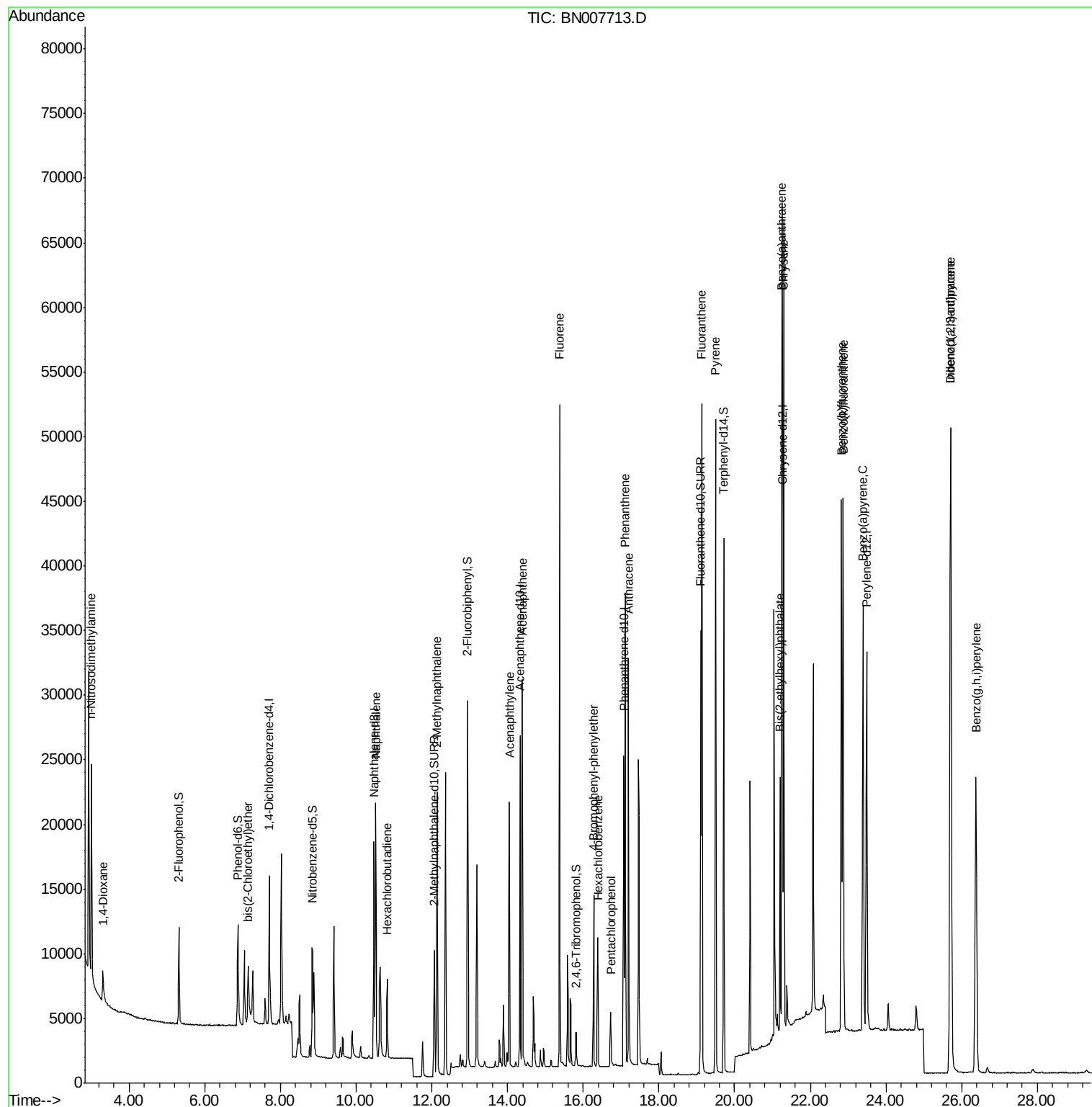
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 1971  | 0.326  | ng | # 76 |
| 3) n-Nitrosodimethylamine      | 3.01  | 42  | 1751  | 0.632  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 5198  | 0.339  | ng | 97   |
| 9) Naphthalene                 | 10.52 | 128 | 24491 | 0.401  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.82 | 225 | 5100  | 0.397  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 16336 | 0.396  | ng | 99   |
| 16) Acenaphthylene             | 14.05 | 152 | 26036 | 0.351  | ng | 100  |
| 17) Acenaphthene               | 14.39 | 154 | 17152 | 0.359  | ng | 98   |
| 18) Fluorene                   | 15.37 | 166 | 22202 | 0.363  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248 | 7437  | 0.392  | ng | 99   |
| 21) Hexachlorobenzene          | 16.39 | 284 | 8447  | 0.407  | ng | 99   |
| 22) Pentachlorophenol          | 16.73 | 266 | 2454  | 0.321  | ng | 98   |
| 23) Phenanthrene               | 17.11 | 178 | 38526 | 0.396  | ng | 100  |
| 24) Anthracene                 | 17.20 | 178 | 33166 | 0.377  | ng | 100  |
| 26) Fluoranthene               | 19.13 | 202 | 46783 | 0.386  | ng | 100  |
| 28) Pyrene                     | 19.50 | 202 | 46890 | 0.399  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 49834 | 0.393  | ng | 99   |
| 31) Chrysene                   | 21.30 | 228 | 48356 | 0.391  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 20004 | 0.306  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 59194 | 0.382  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 50029 | 0.382  | ng | 100  |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 51995 | 0.401  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.39 | 252 | 46689 | 0.379  | ng | 100  |
| 38) Dibenzo(a,h)anthracene     | 25.72 | 278 | 48278 | 0.383  | ng | 100  |
| 39) Benzo(g,h,i)perylene       | 26.38 | 276 | 47045 | 0.377  | ng | 100  |

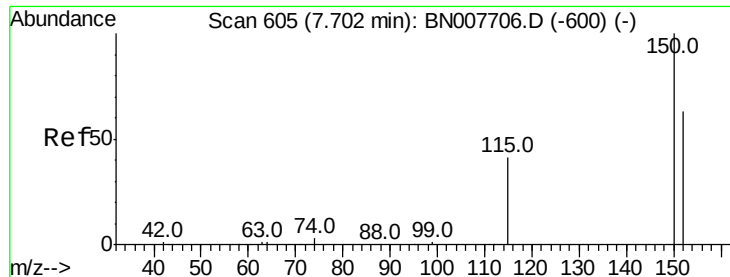
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 18 18:24:40 2019  
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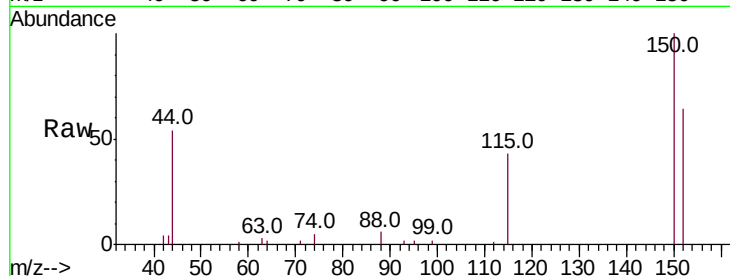


#1

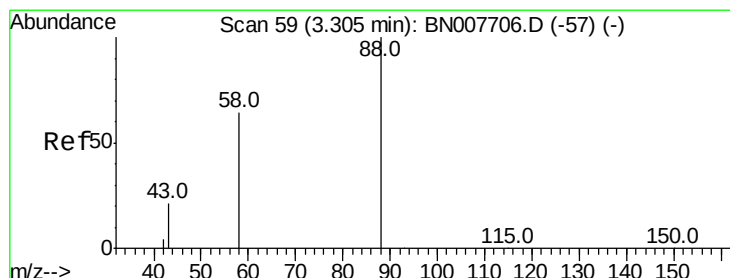
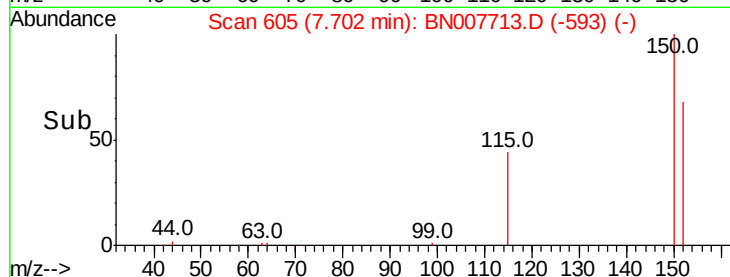
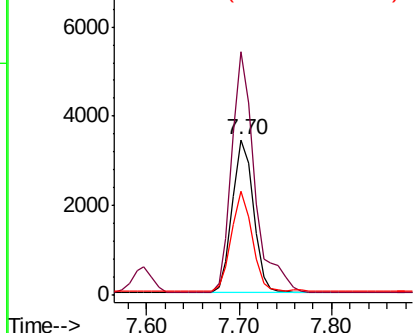
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 5423  
Ion Ratio Lower Upper  
152 100  
150 156.5 125.6 188.4  
115 66.5 53.3 79.9



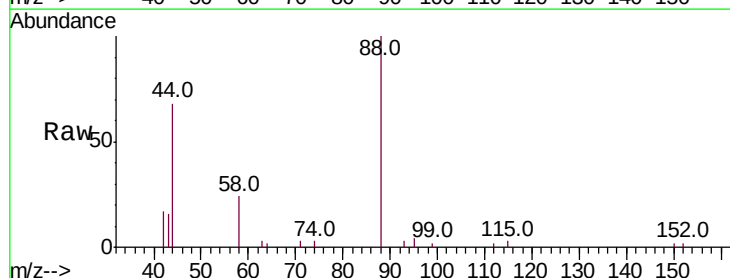
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



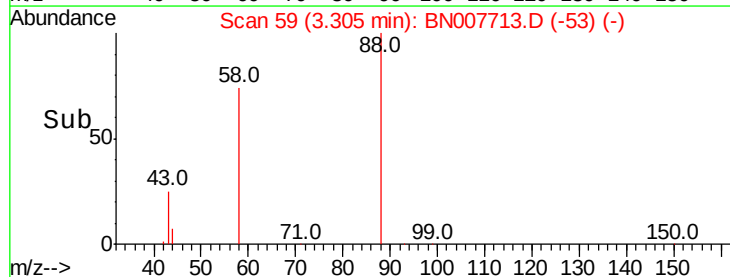
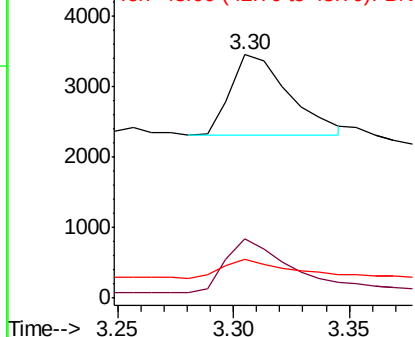
#2

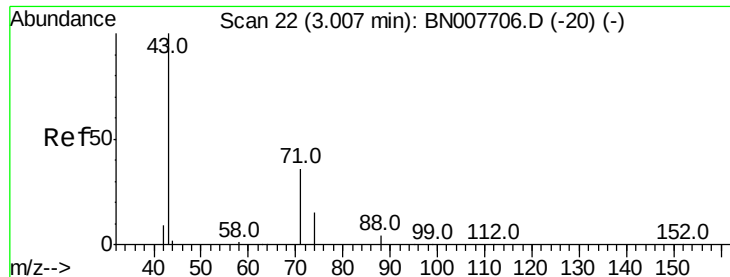
1,4-Dioxane  
Concen: 0.326 ng  
RT: 3.30 min Scan# 59  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

Tgt Ion: 88 Resp: 1971  
Ion Ratio Lower Upper  
88 100  
58 74.5 44.6 66.8#  
43 26.8 14.4 21.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.632 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

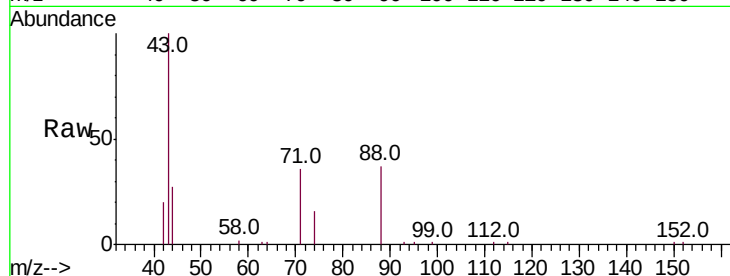
Tot Ion: 42 Resp: 1751

Ion Ratio Lower Upper

42 100

74 110.9 87.9 131.9

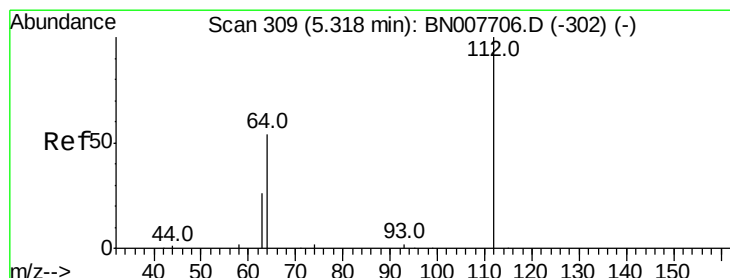
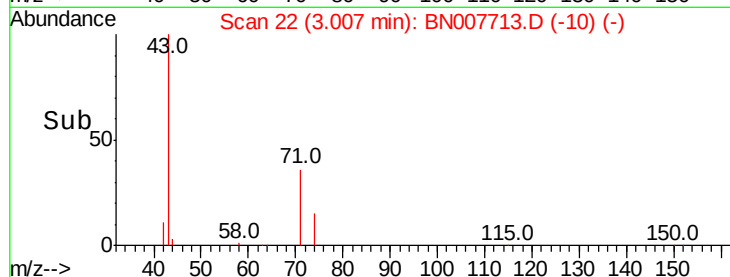
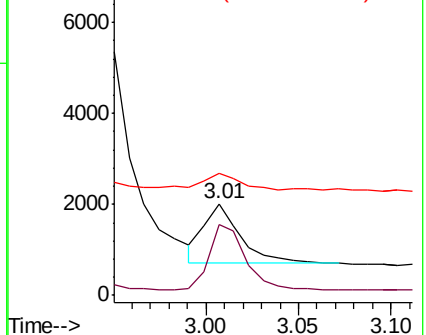
44 26.2 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BN007706.D (-20) (-)

Ion 74.00 (73.70 to 74.70): BN007706.D (-20) (-)

Ion 44.00 (43.70 to 44.70): BN007706.D (-20) (-)



#4

2-Fluorophenol

Concen: 0.337 ng

RT: 5.32 min Scan# 309

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

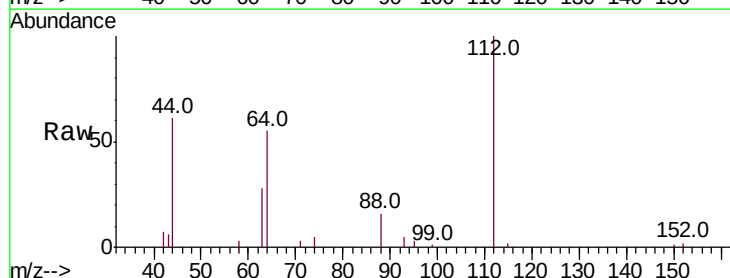
Tgt Ion: 112 Resp: 6299

Ion Ratio Lower Upper

112 100

64 59.7 46.6 70.0

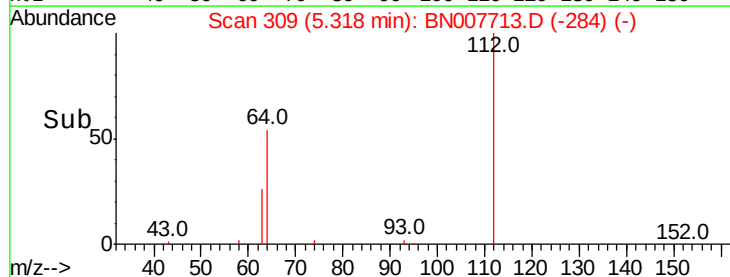
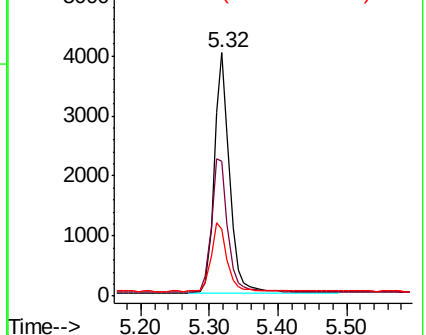
63 29.7 23.1 34.7

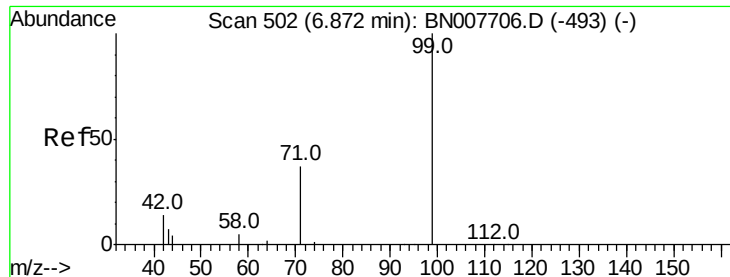


Abundance Ion 112.00 (111.70 to 112.70): BN007706.D (-302) (-)

Ion 64.00 (63.70 to 64.70): BN007706.D (-302) (-)

Ion 63.00 (62.70 to 63.70): BN007706.D (-302) (-)





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

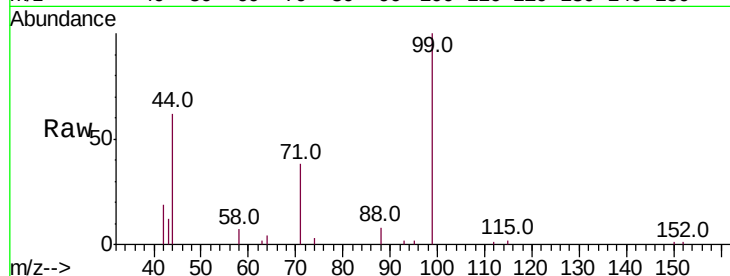
Tot Ion: 99 Resp: 8274

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

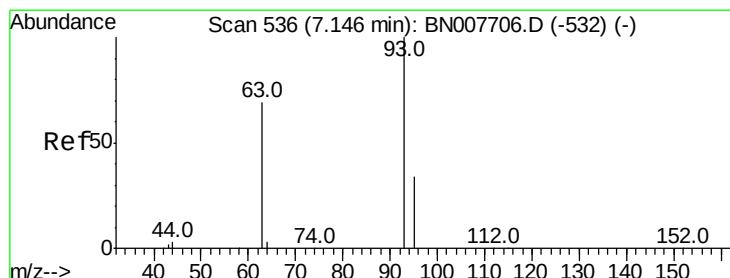
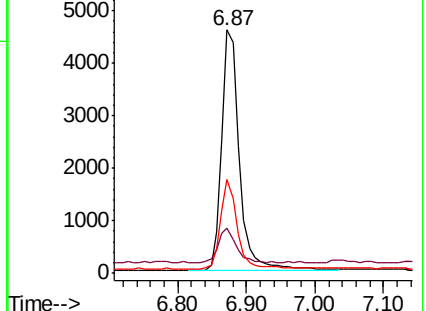
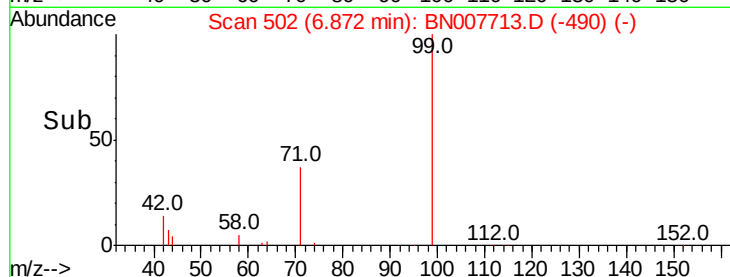
71 34.8 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007713.D (-511) (-)

Ion 42.00 (41.70 to 42.70): BN007713.D (-511) (-)

Ion 71.00 (70.70 to 71.70): BN007713.D (-511) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.339 ng

RT: 7.15 min Scan# 536

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

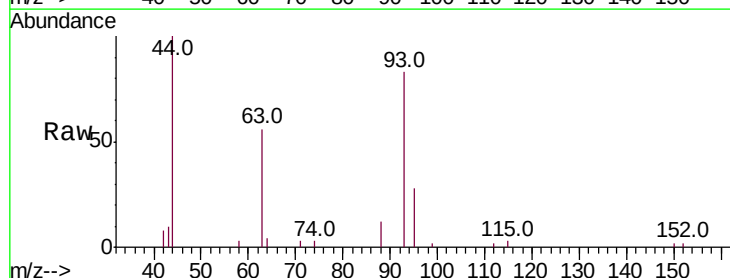
Tgt Ion: 93 Resp: 5198

Ion Ratio Lower Upper

93 100

63 76.1 59.3 88.9

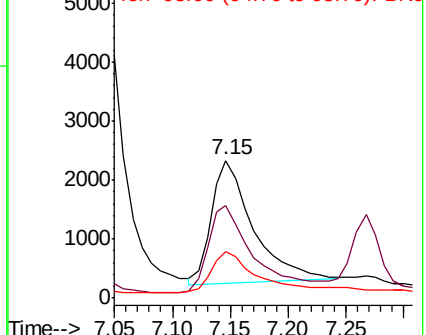
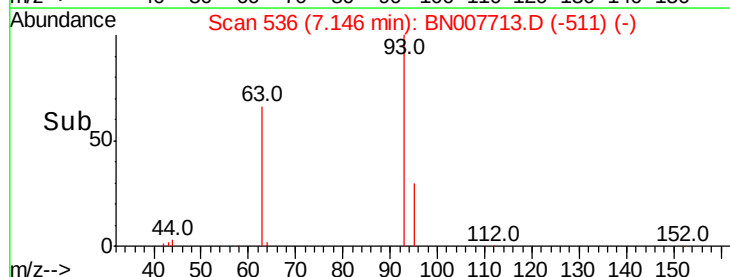
95 36.7 31.4 47.0

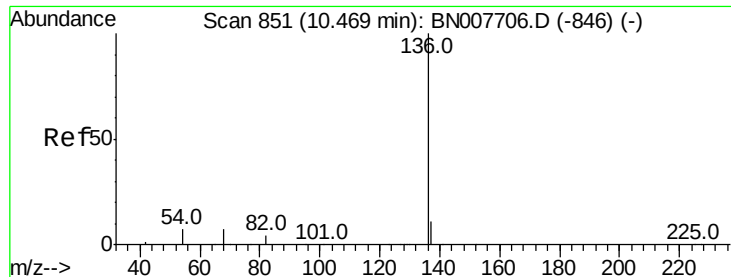


Abundance Ion 93.00 (92.70 to 93.70): BN007713.D (-511) (-)

Ion 63.00 (62.70 to 63.70): BN007713.D (-511) (-)

Ion 95.00 (94.70 to 95.70): BN007713.D (-511) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 21754

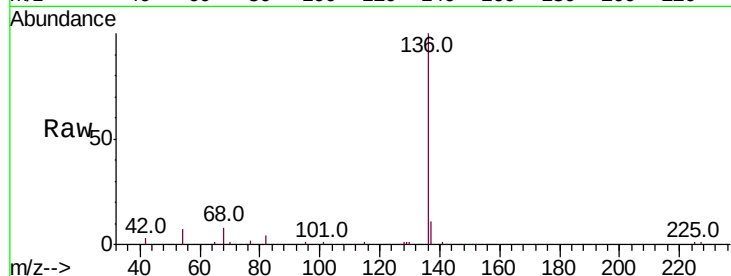
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.9 5.8 8.8

68 7.7 6.5 9.7

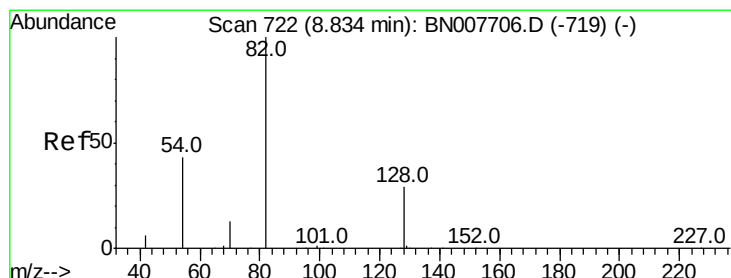
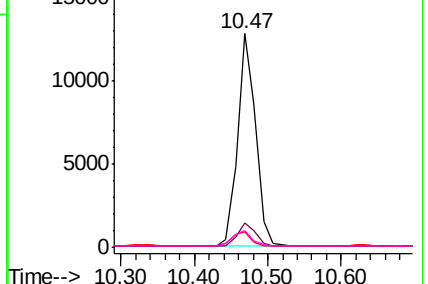
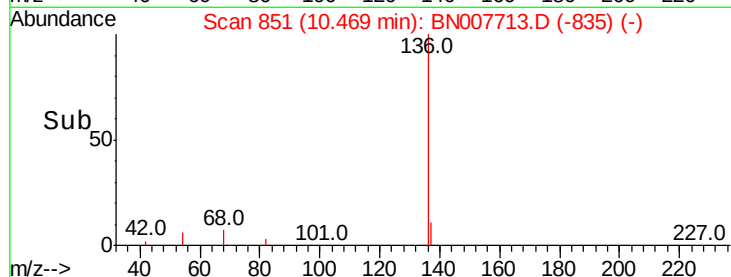


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.452 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

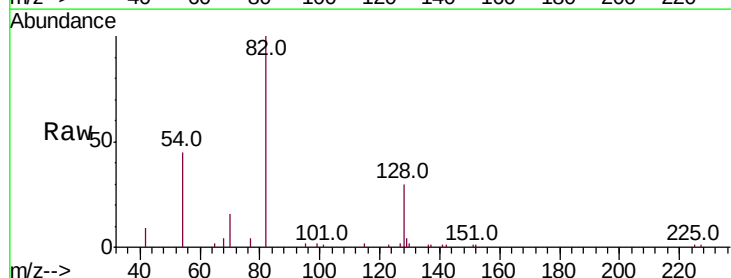
Tgt Ion: 82 Resp: 8610

Ion Ratio Lower Upper

82 100

128 29.9 24.5 36.7

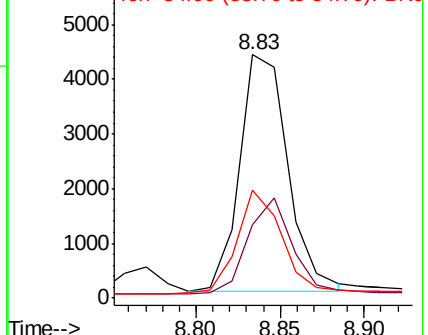
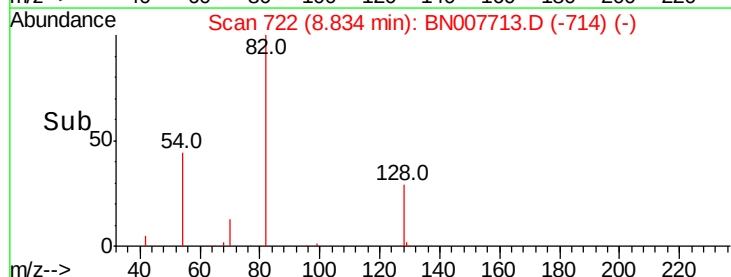
54 44.5 35.2 52.8

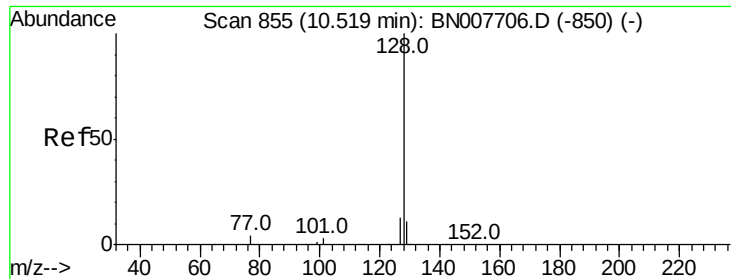


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.401 ng

RT: 10.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

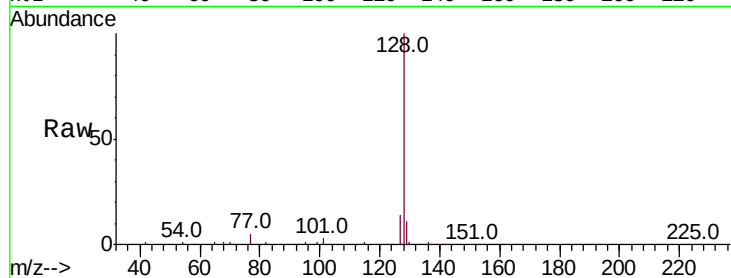
Tot Ion:128 Resp: 24491

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

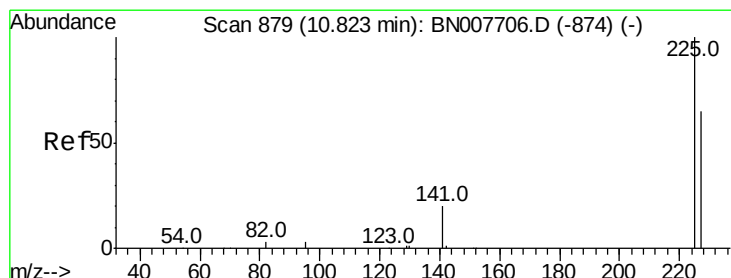
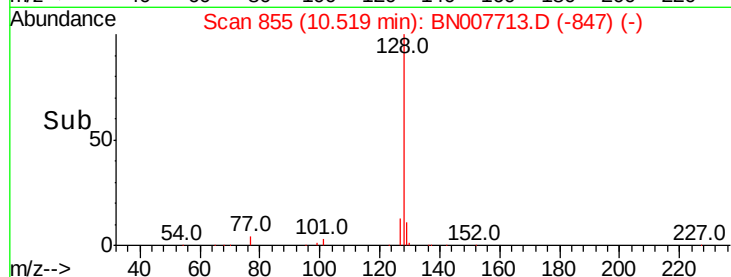
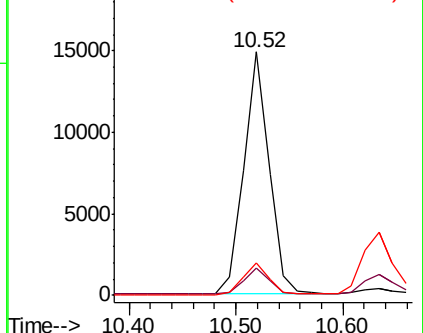
127 13.5 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.397 ng

RT: 10.82 min Scan# 879

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

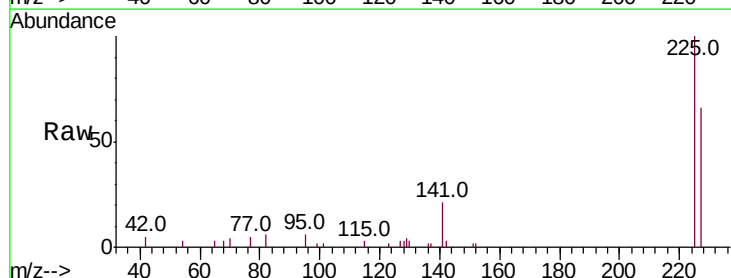
Tgt Ion:225 Resp: 5100

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

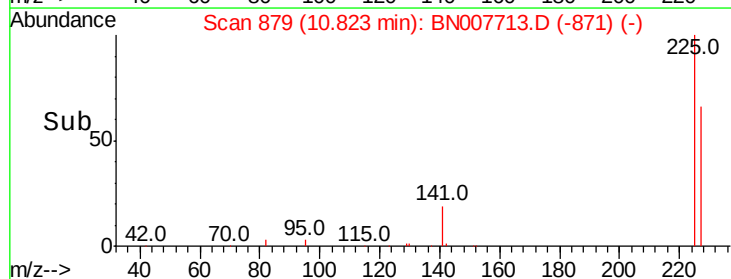
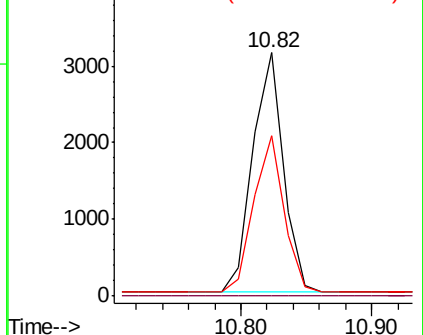
227 64.5 51.2 76.8

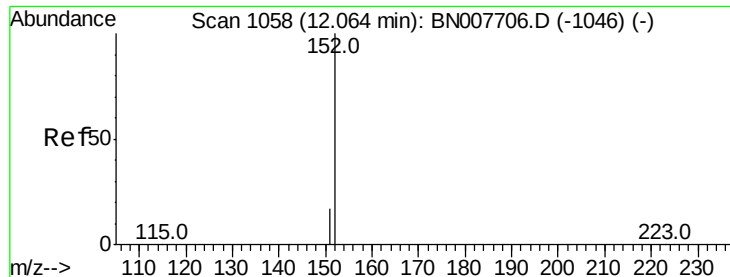


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

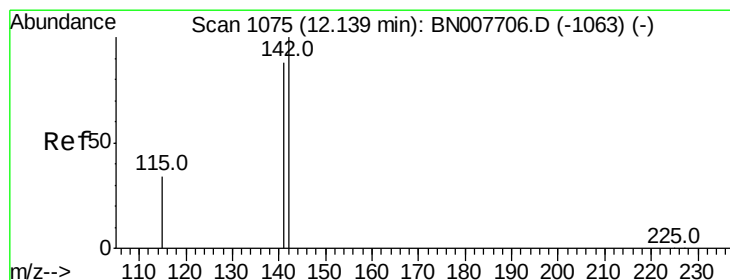
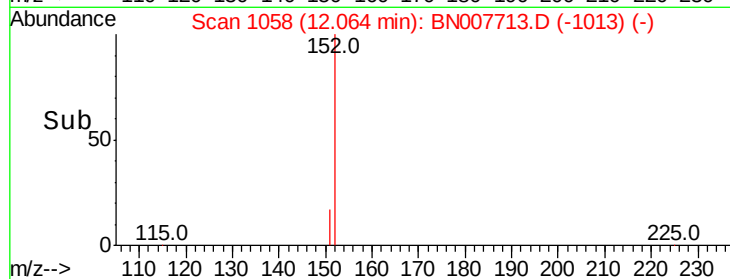
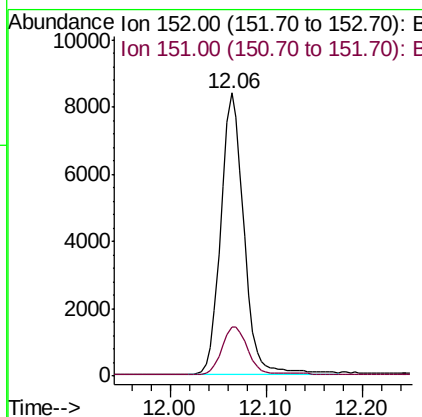
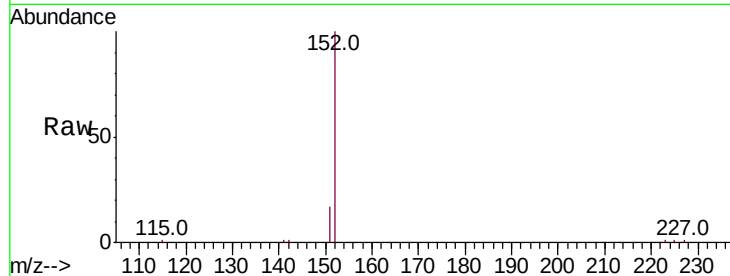




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.382 ng  
 RT: 12.06 min Scan# 1058  
 Delta R.T. 0.00 min  
 Lab File: BN007713.D  
 Acq: 18 Sep 2019 19:41

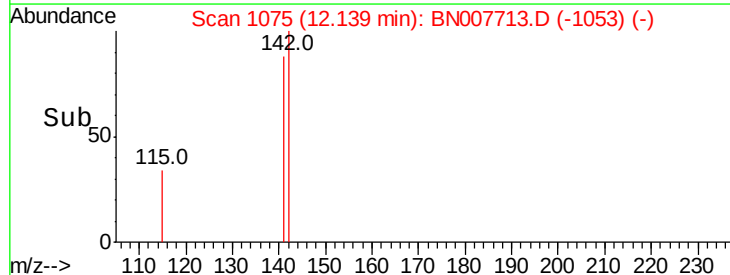
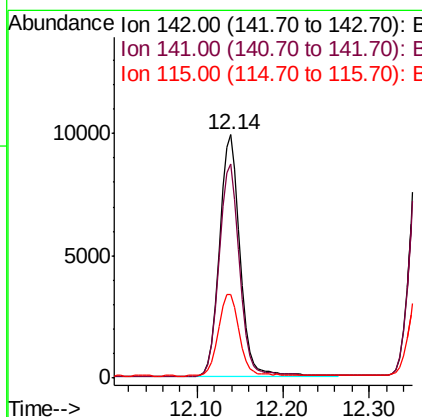
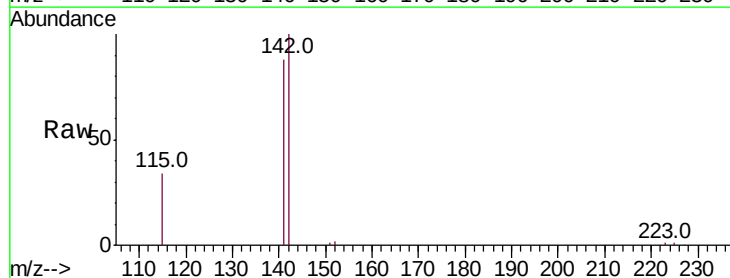
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:152 Resp: 14006  
 Ion Ratio Lower Upper  
 152 100  
 151 19.0 15.4 23.2

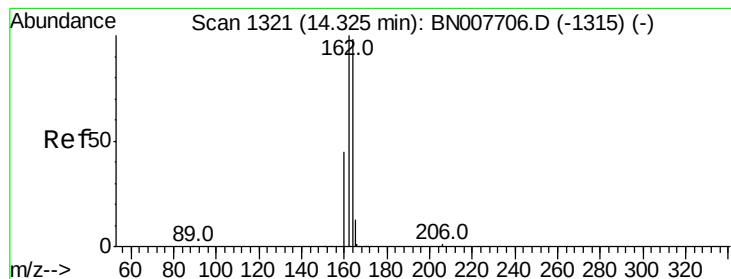


#12  
 2-Methylnaphthalene  
 Concen: 0.396 ng  
 RT: 12.14 min Scan# 1075  
 Delta R.T. 0.00 min  
 Lab File: BN007713.D  
 Acq: 18 Sep 2019 19:41

Tgt Ion:142 Resp: 16336  
 Ion Ratio Lower Upper  
 142 100  
 141 88.1 70.6 106.0  
 115 34.4 28.3 42.5







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampled :

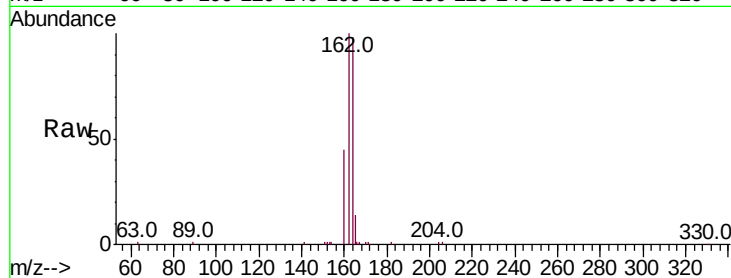
Tot Ion:164 Resp: 13974

Ion Ratio Lower Upper

164 100

162 101.6 81.7 122.5

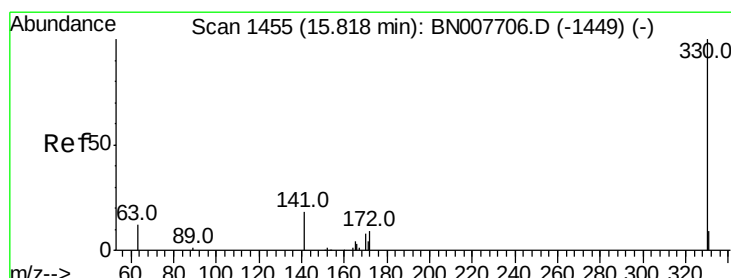
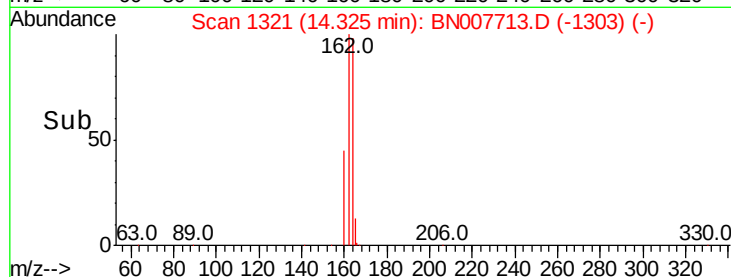
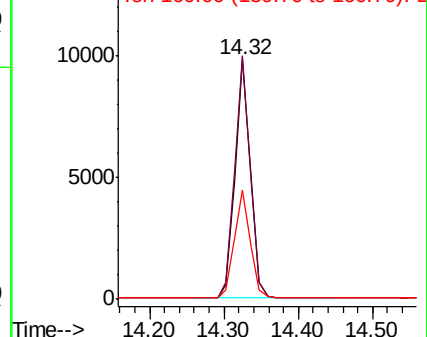
160 45.6 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.307 ng

RT: 15.82 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

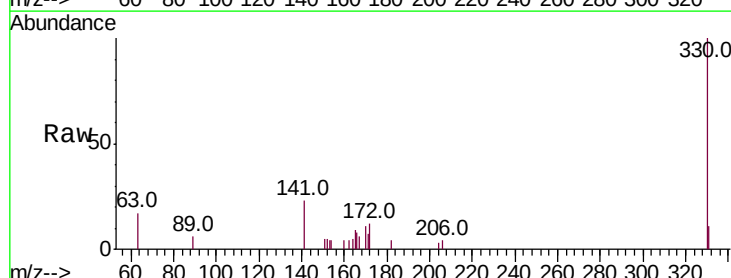
Tgt Ion:330 Resp: 2336

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

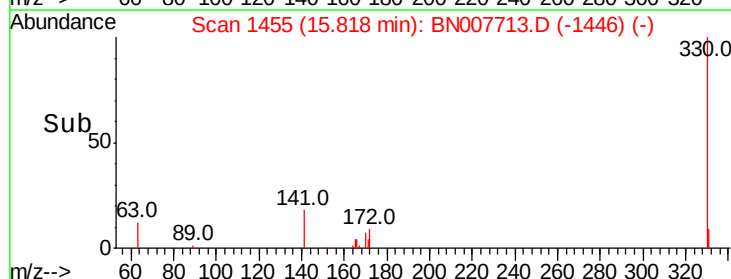
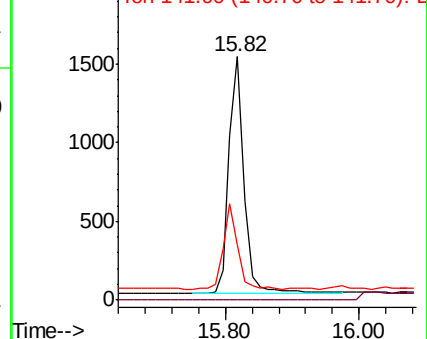
141 34.7 28.7 43.1

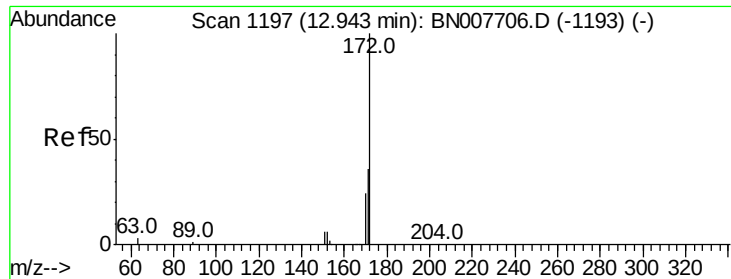


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

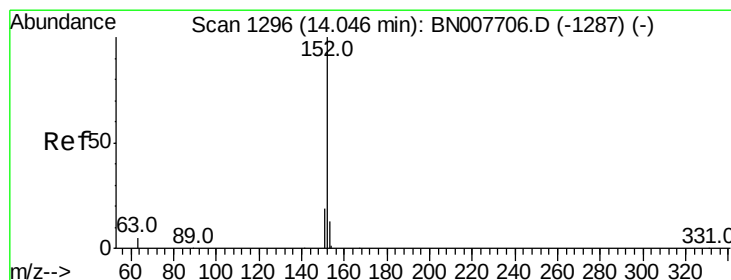
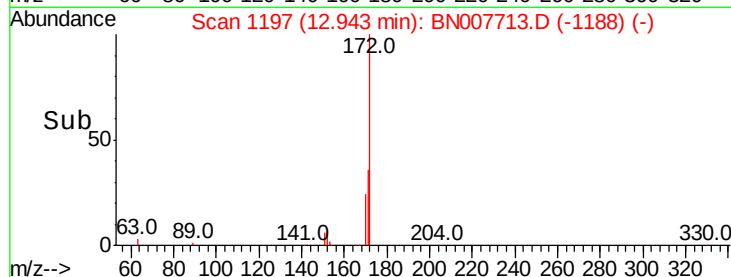
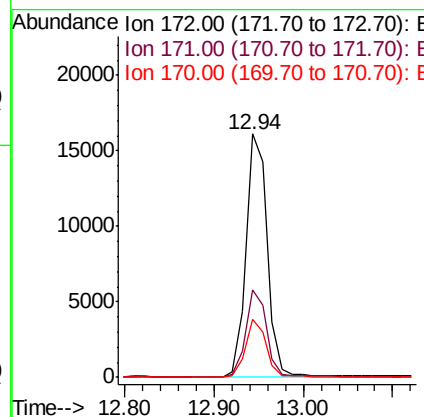
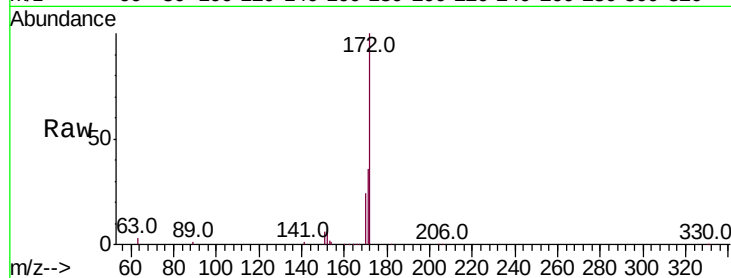




#15  
2-Fluorobiphenyl  
Concen: 0.459 ng  
RT: 12.94 min Scan# 1197  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

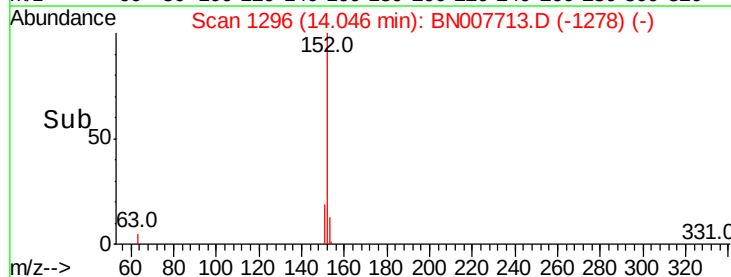
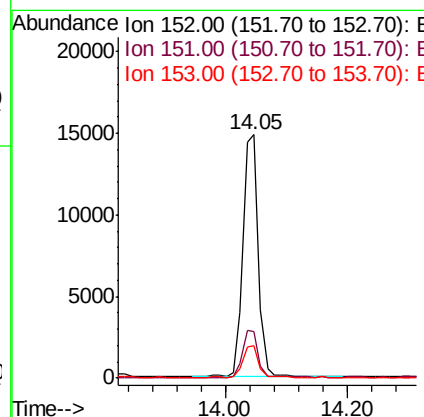
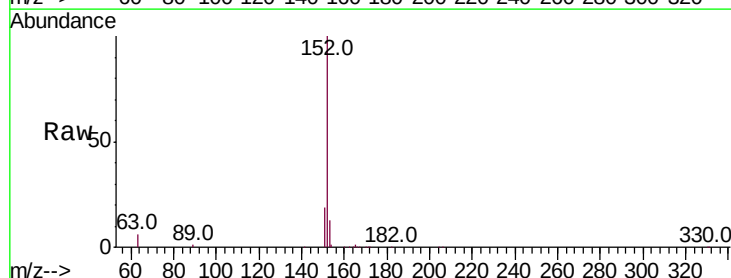
Instrument :  
BNA\_N  
ClientSampleId :

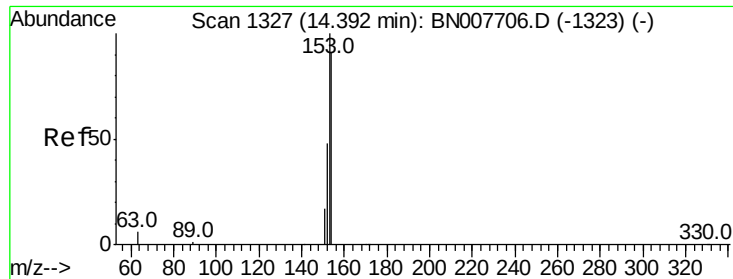
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.8  | 43.2  |
| 170     | 23.8  | 19.5  | 29.3  |



#16  
Acenaphthylene  
Concen: 0.351 ng  
RT: 14.05 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.5  | 23.3  |
| 153     | 13.0  | 10.4  | 15.6  |





#17

Acenaphthene

Concen: 0.359 ng

RT: 14.39 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

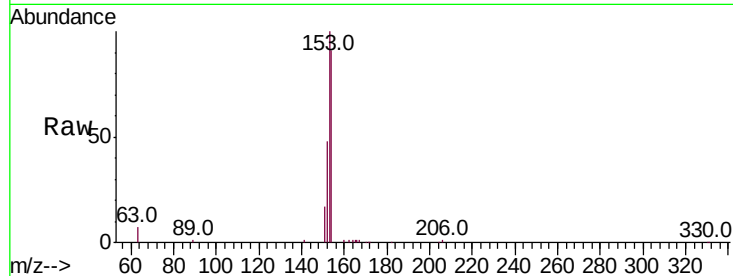
Tot Ion:154 Resp: 17152

Ion Ratio Lower Upper

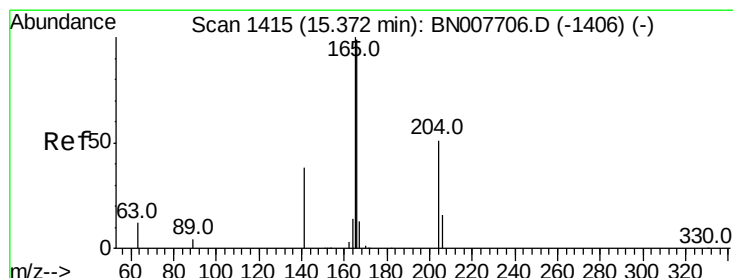
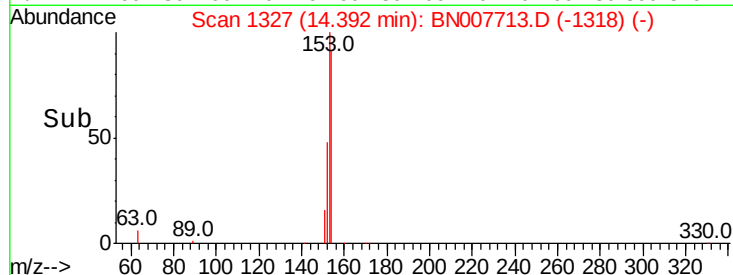
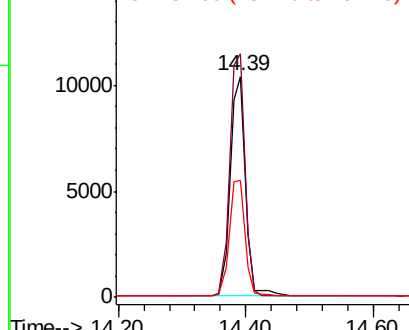
154 100

153 110.4 87.0 130.4

152 54.4 42.7 64.1



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: 0.363 ng

RT: 15.37 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

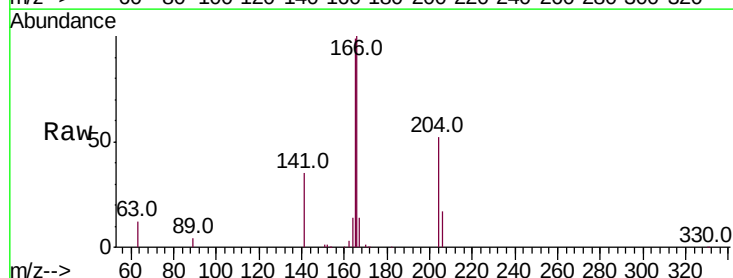
Tgt Ion:166 Resp: 22202

Ion Ratio Lower Upper

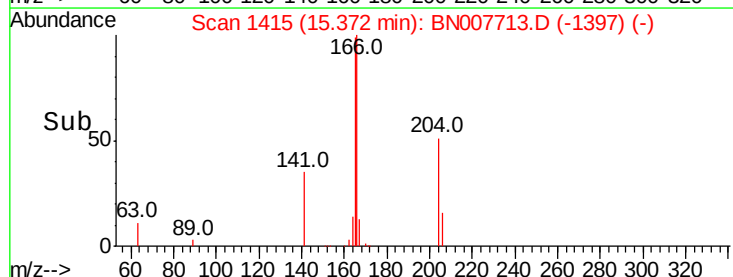
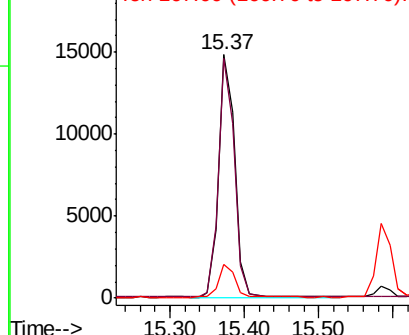
166 100

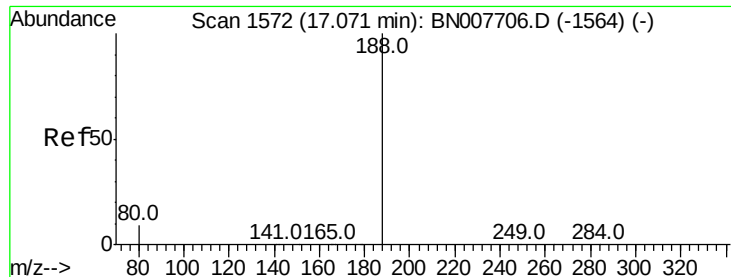
165 97.6 78.0 117.0

167 13.6 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

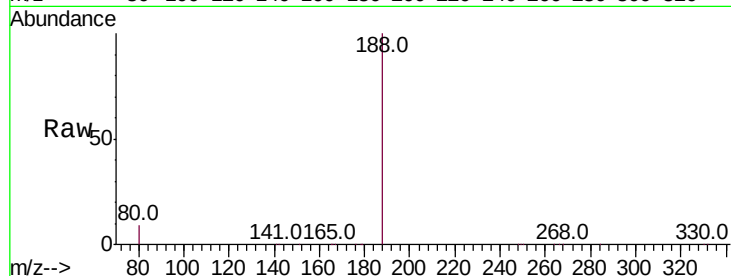
Tot Ion:188 Resp: 31265

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

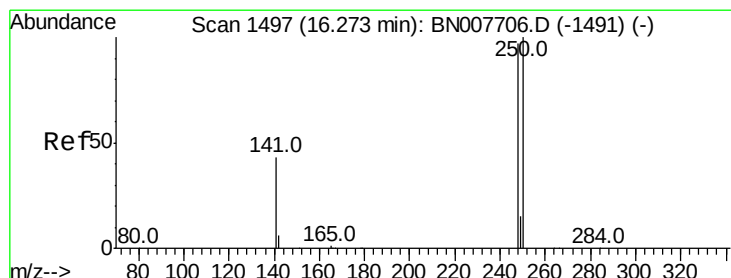
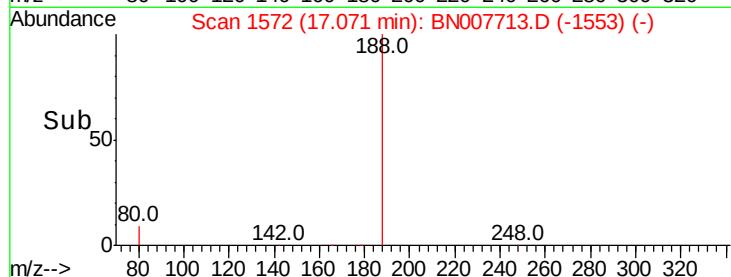
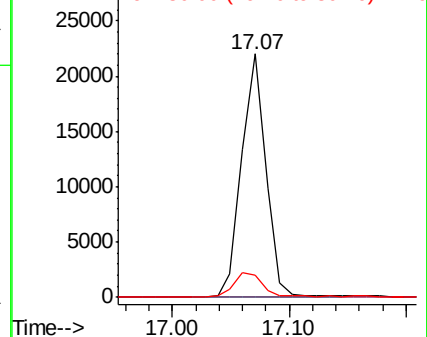
80 9.3 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.392 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

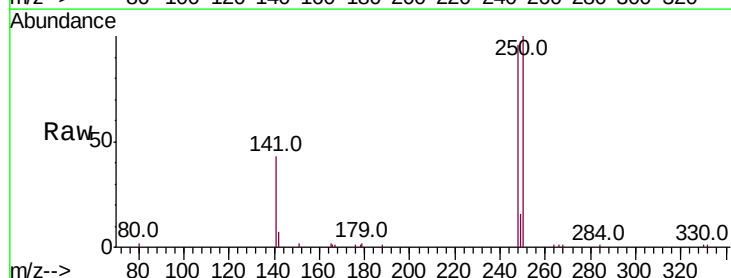
Tgt Ion:248 Resp: 7437

Ion Ratio Lower Upper

248 100

250 104.1 82.2 123.4

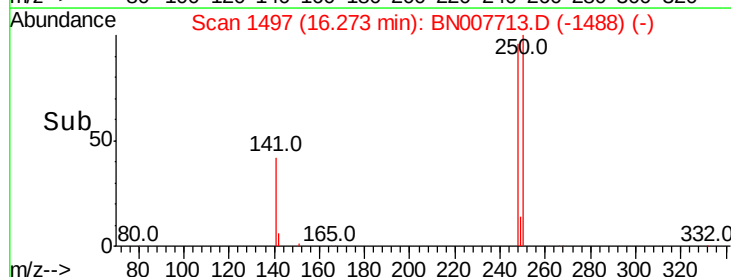
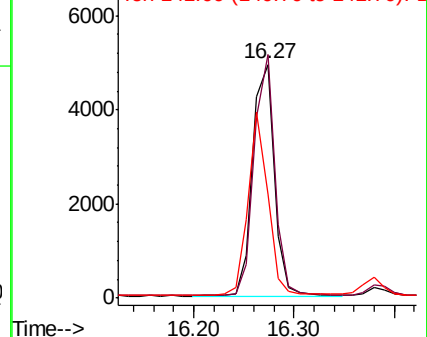
141 44.5 36.3 54.5

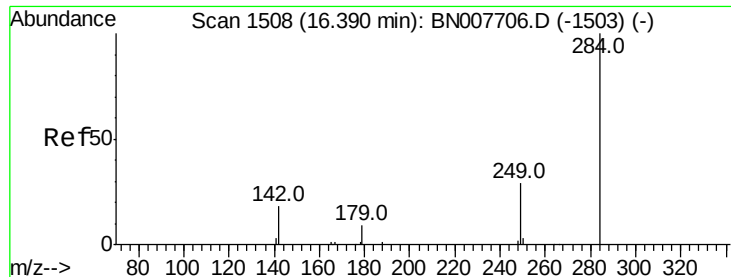


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.407 ng

RT: 16.39 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

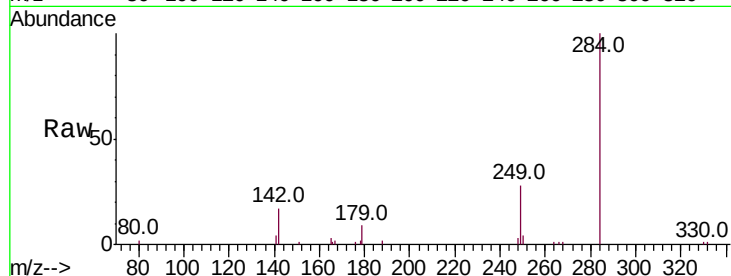
Tot Ion:284 Resp: 8447

Ion Ratio Lower Upper

284 100

142 32.8 25.8 38.6

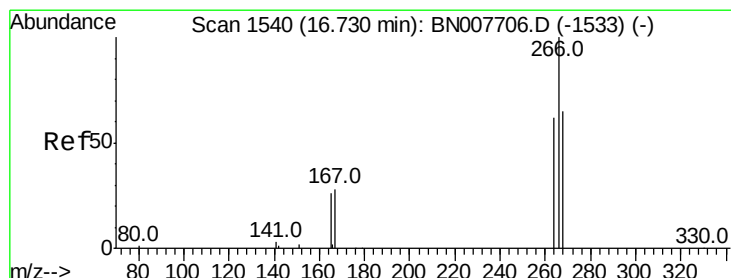
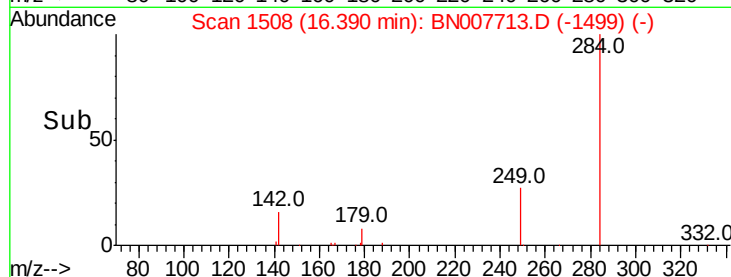
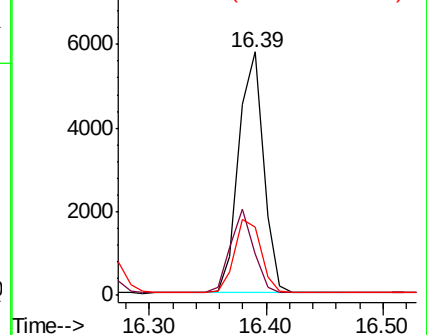
249 32.1 25.9 38.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.321 ng

RT: 16.73 min Scan# 1540

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

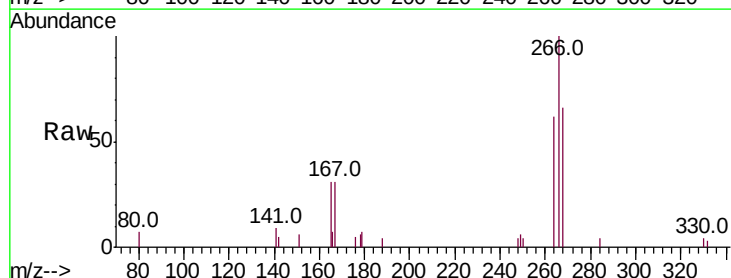
Tgt Ion:266 Resp: 2454

Ion Ratio Lower Upper

266 100

264 61.6 50.0 75.0

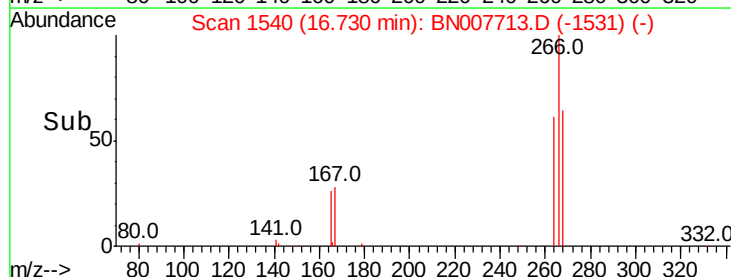
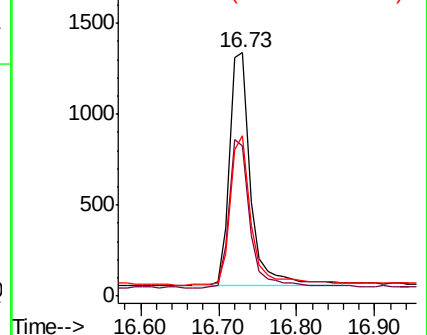
268 66.1 54.2 81.4

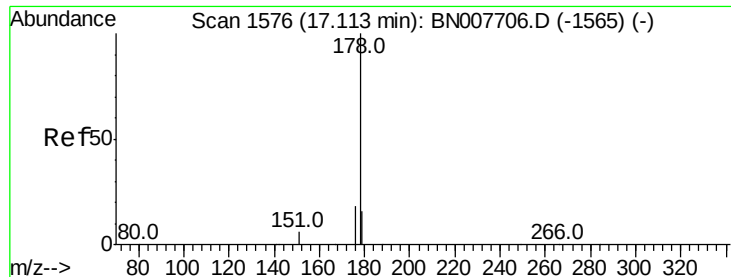


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

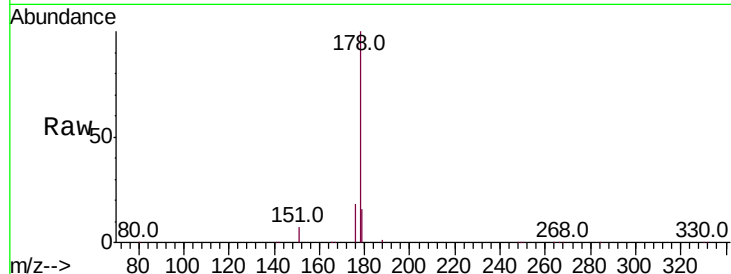




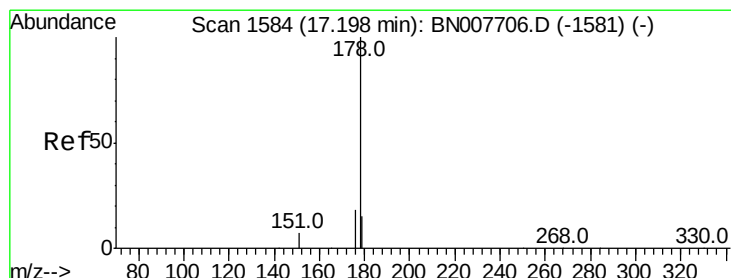
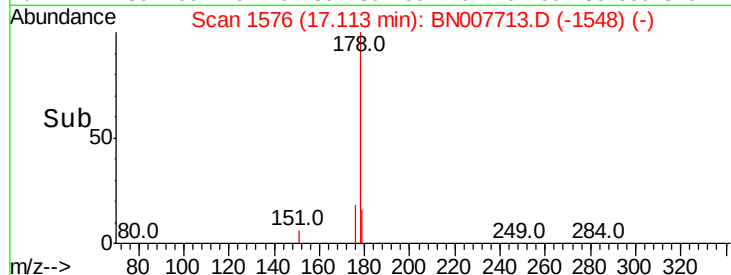
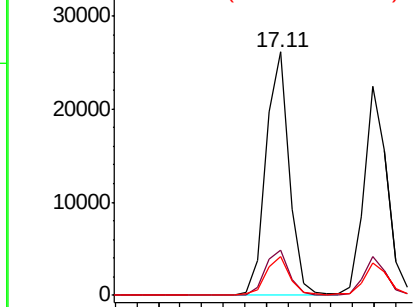
#23  
Phenanthrene  
Concen: 0.396 ng  
RT: 17.11 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:178 Resp: 38526  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.6 12.5 18.7

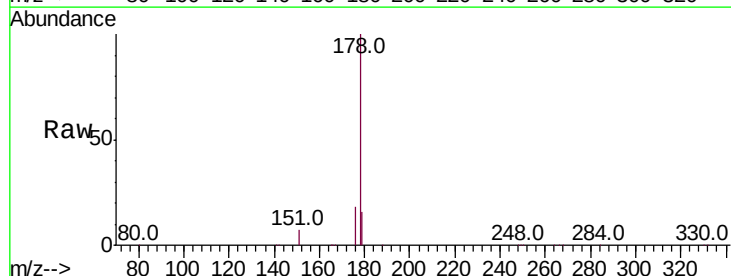


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

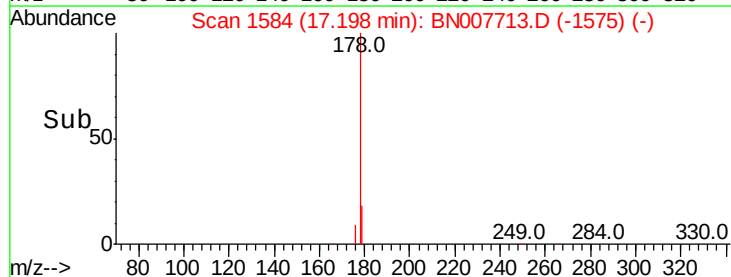
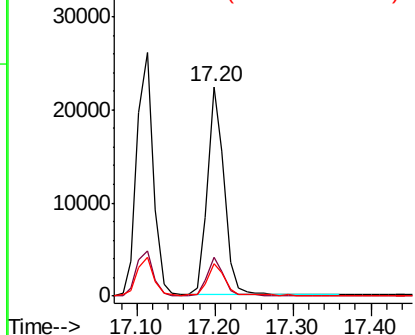


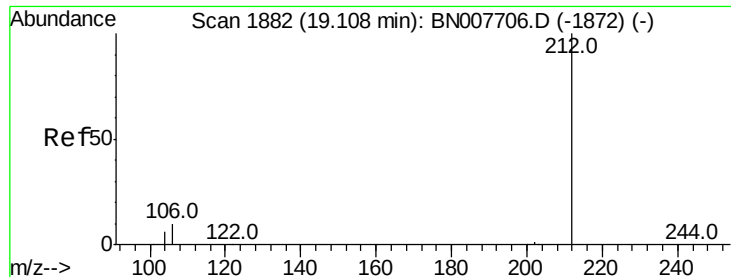
#24  
Anthracene  
Concen: 0.377 ng  
RT: 17.20 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

Tgt Ion:178 Resp: 33166  
Ion Ratio Lower Upper  
178 100  
176 18.0 14.6 21.8  
179 15.6 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





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

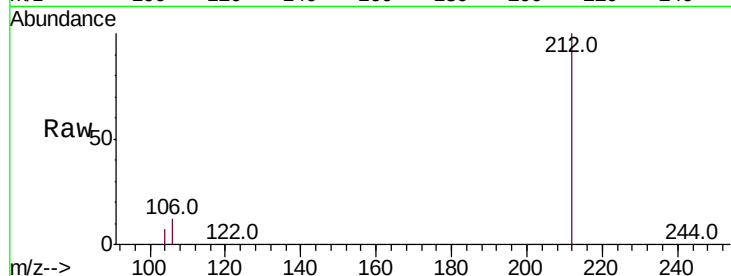
Tot Ion:212 Resp: 39241

Ion Ratio Lower Upper

212 100

106 11.5 9.4 14.0

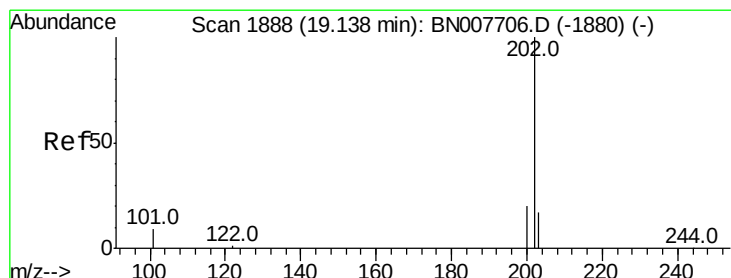
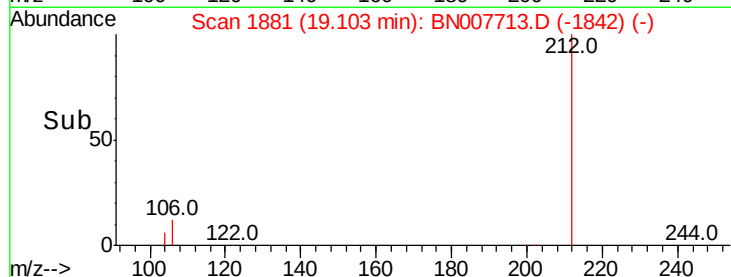
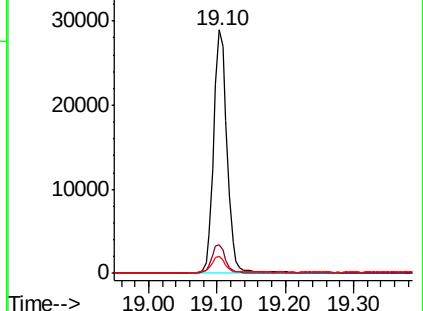
104 6.7 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.386 ng

RT: 19.13 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

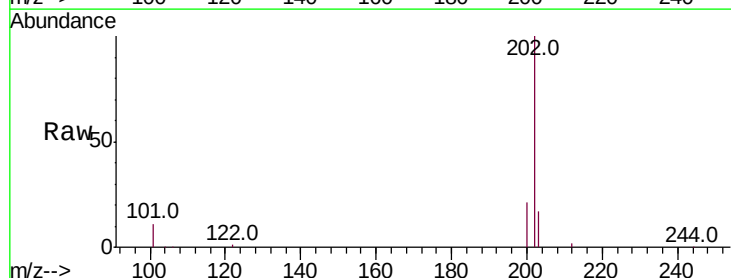
Tgt Ion:202 Resp: 46783

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

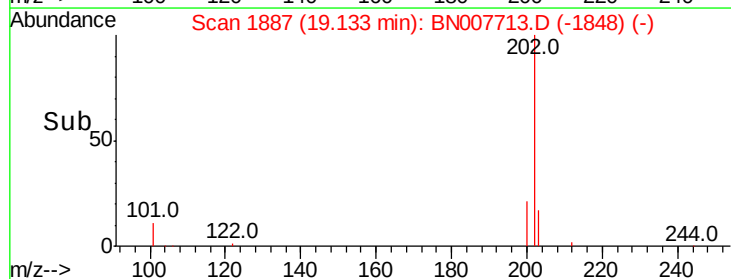
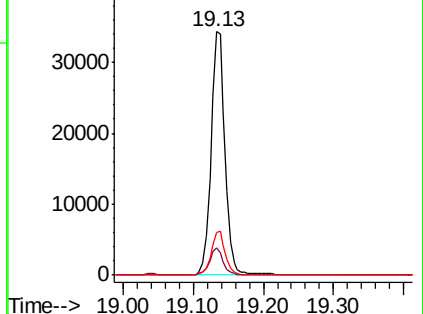
203 17.3 13.8 20.8

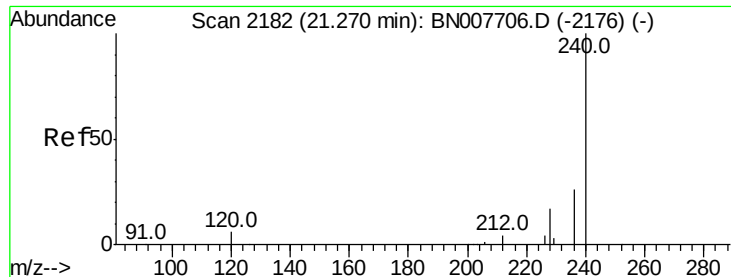


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

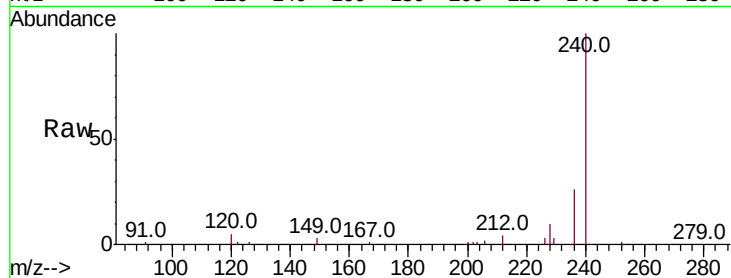
Tot Ion:240 Resp: 34463

Ion Ratio Lower Upper

240 100

120 5.2 5.4 8.2#

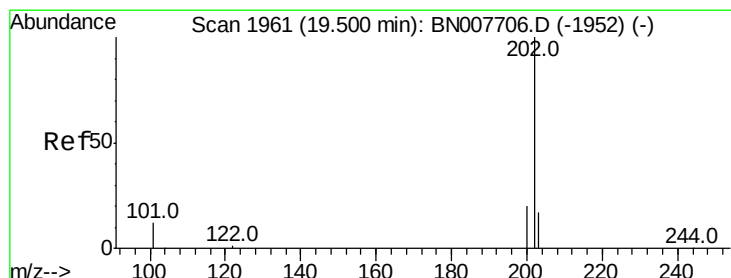
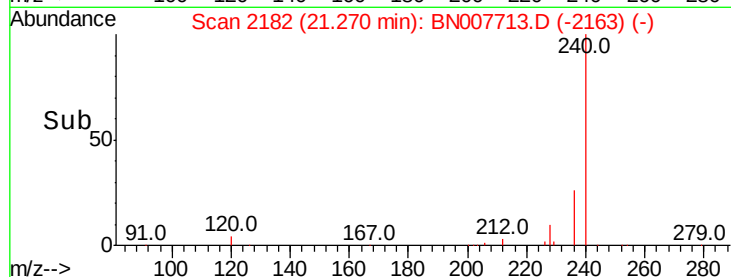
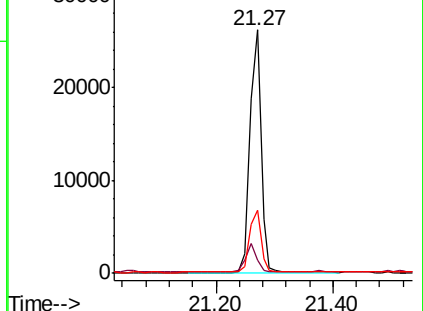
236 25.9 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.399 ng

RT: 19.50 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

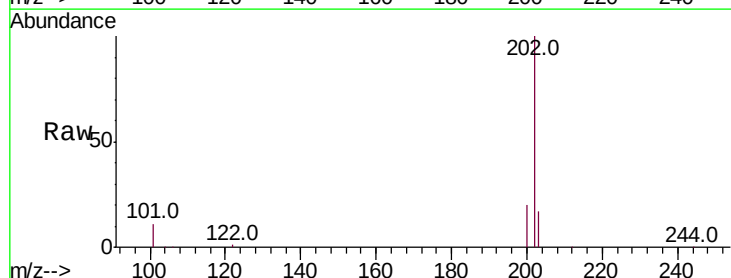
Tgt Ion:202 Resp: 46890

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

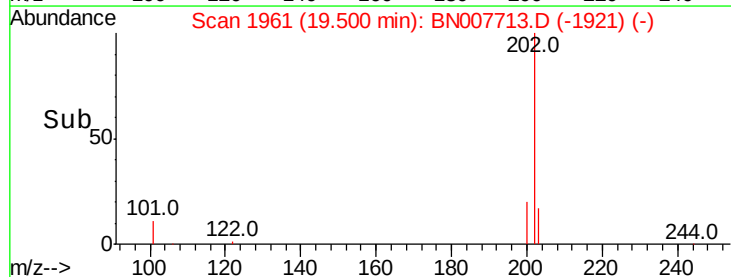
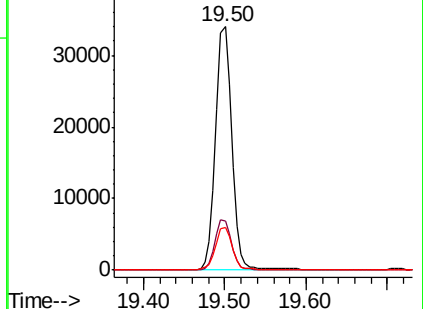
203 17.4 14.1 21.1



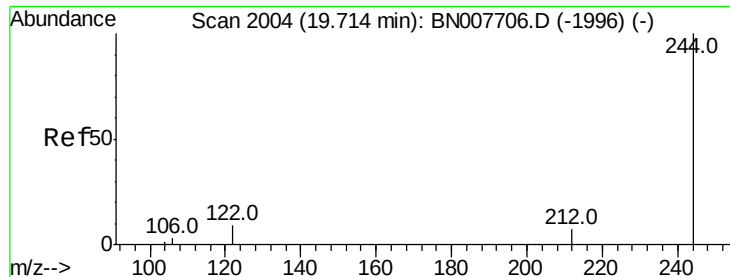
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.506 ng

RT: 19.71 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

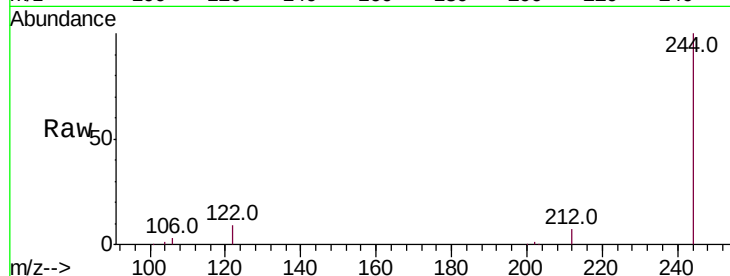
Tot Ion:244 Resp: 42851

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

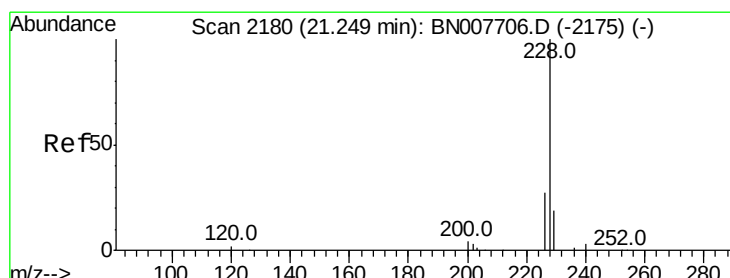
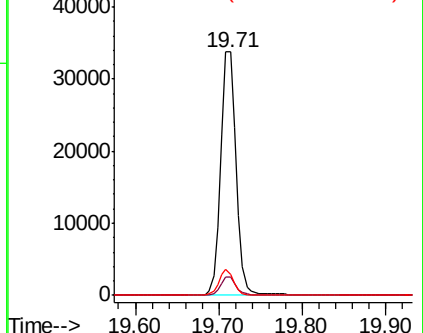
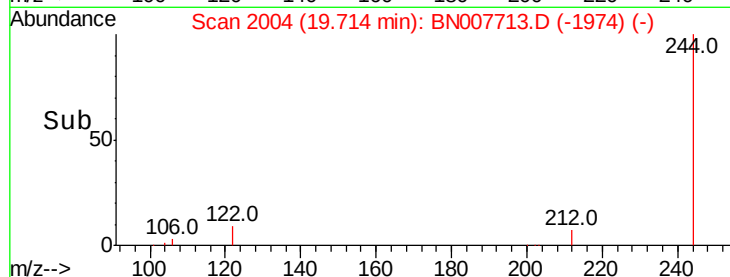
122 8.8 7.4 11.2



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



#30

Benzo(a)anthracene

Concen: 0.393 ng

RT: 21.25 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

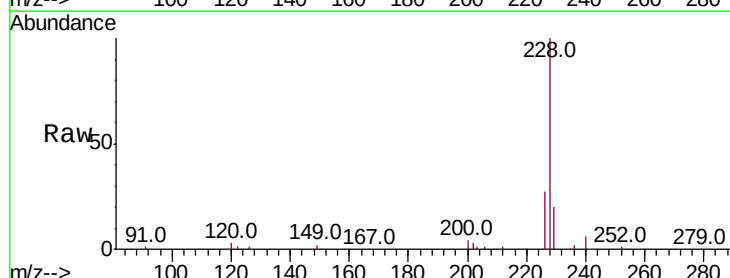
Tgt Ion:228 Resp: 49834

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

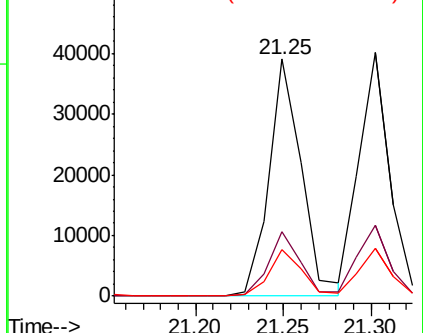
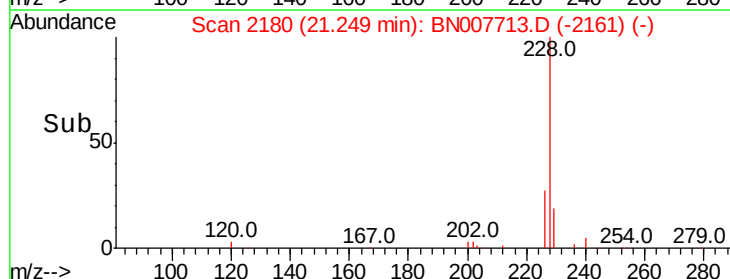
229 19.6 15.8 23.6

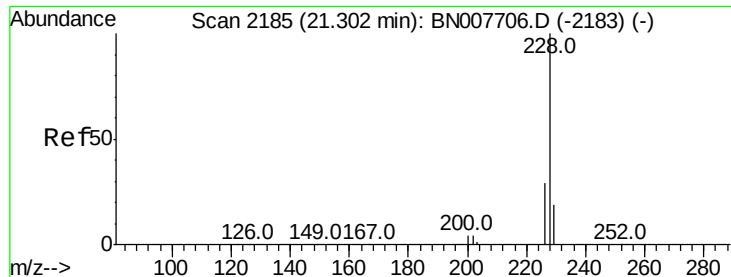


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.391 ng

RT: 21.30 min Scan# 2185

Delta R.T. 0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

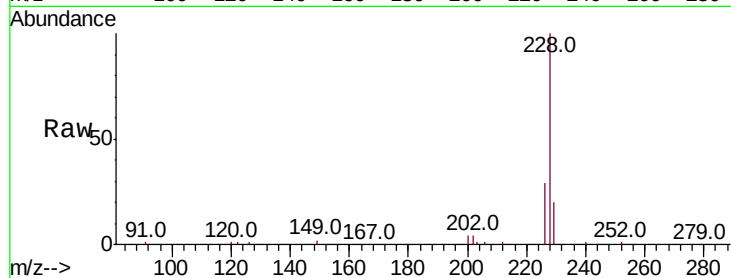
Instrument :

BNA\_N

ClientSampled :

Tot Ion:228 Resp: 48356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.0  | 23.9  | 35.9  |
| 229 | 19.8  | 15.8  | 23.6  |

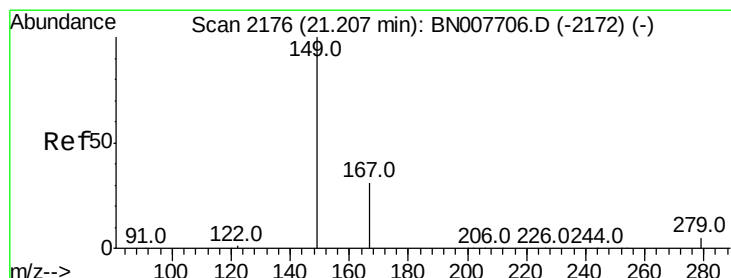
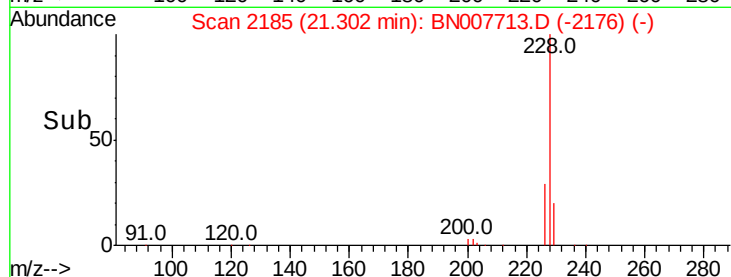
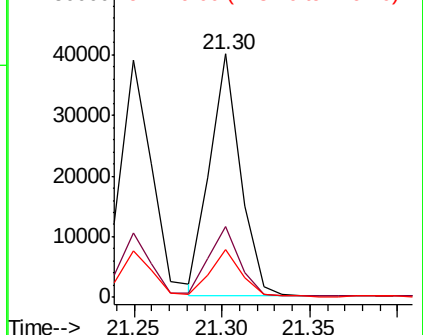


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.306 ng

RT: 21.20 min Scan# 2175

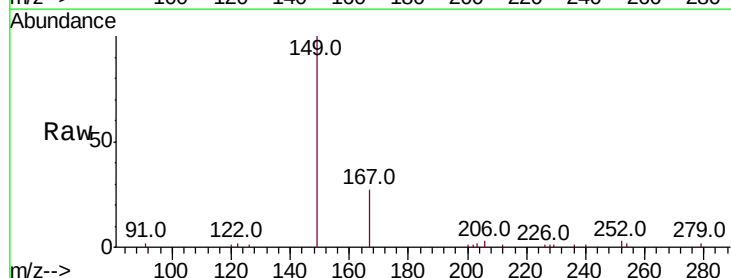
Delta R.T. -0.01 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Tgt Ion:149 Resp: 20004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.2  | 23.7  | 35.5  |
| 279 | 4.9   | 4.2   | 6.2   |

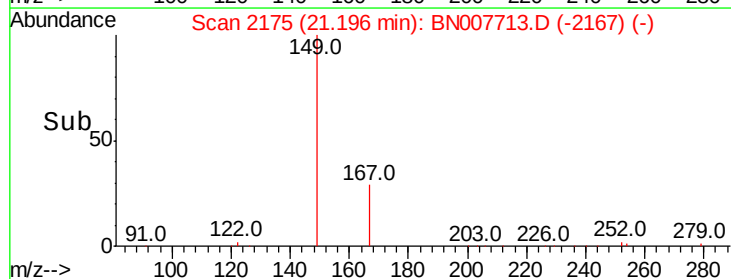
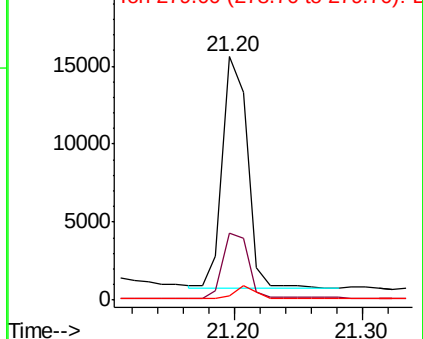


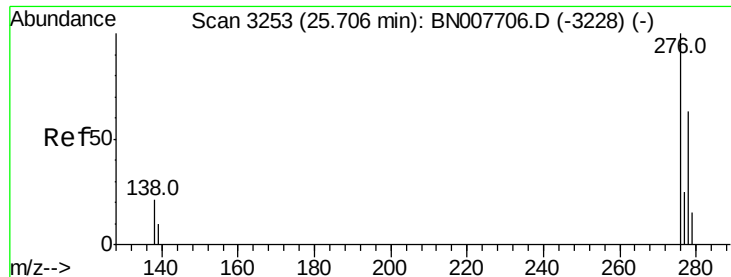
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.382 ng

RT: 25.70 min Scan# 3252

Delta R.T. -0.00 min

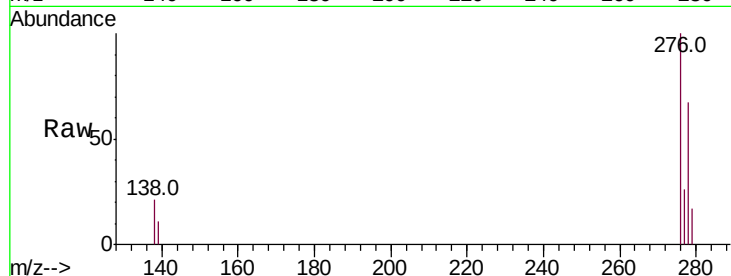
Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :



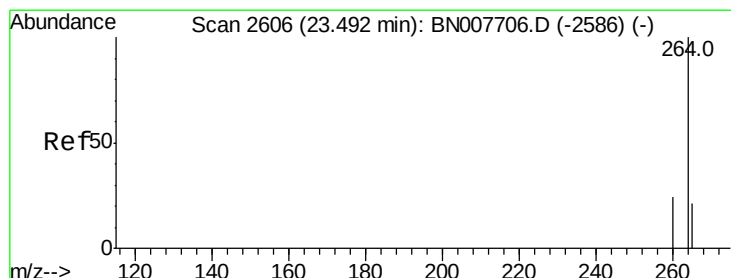
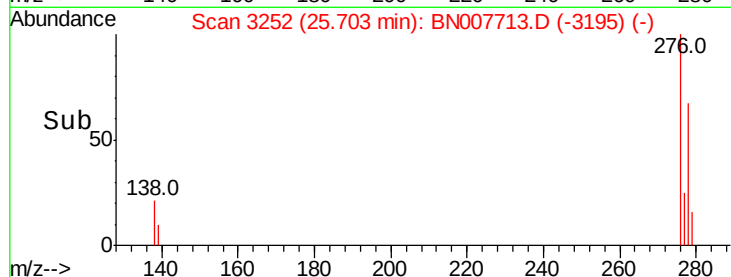
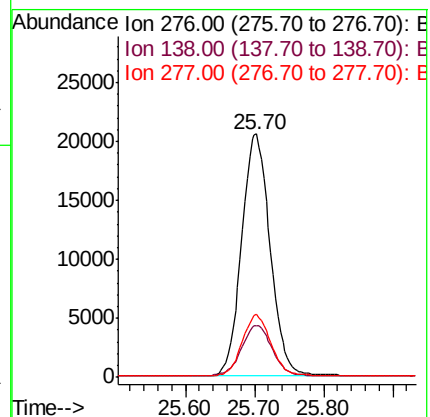
Tot Ion:276 Resp: 59194

Ion Ratio Lower Upper

276 100

138 22.4 17.1 25.7

277 25.2 20.0 30.0



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2605

Delta R.T. -0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

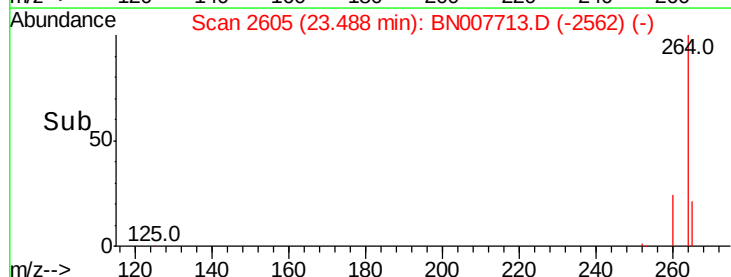
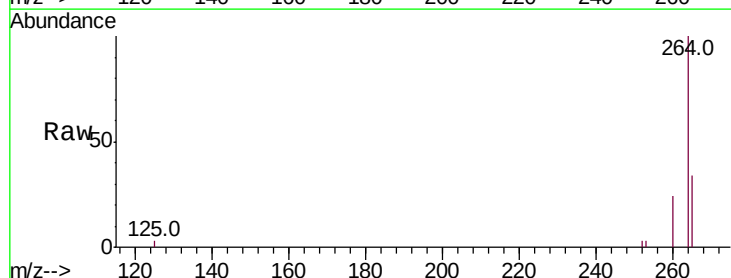
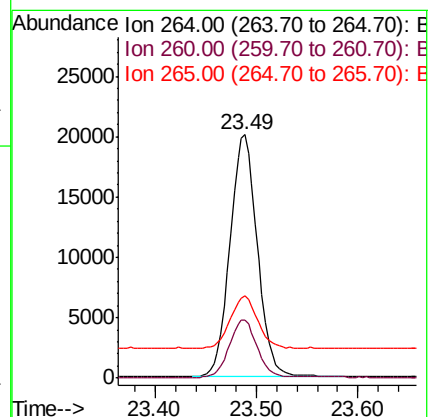
Tgt Ion:264 Resp: 37752

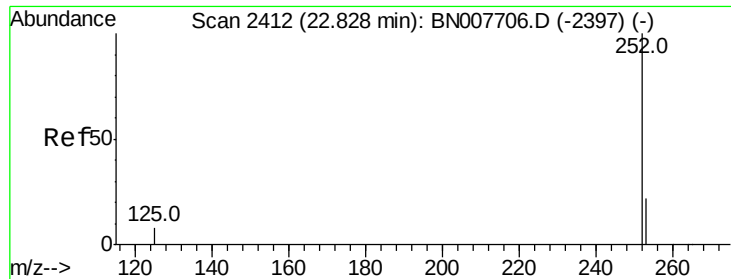
Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 33.6 26.9 40.3

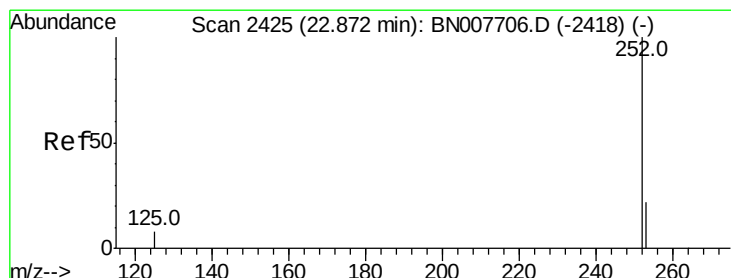
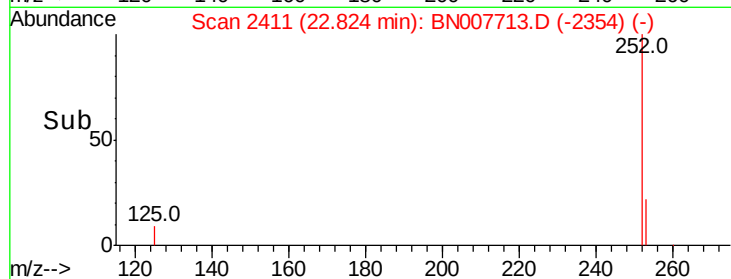
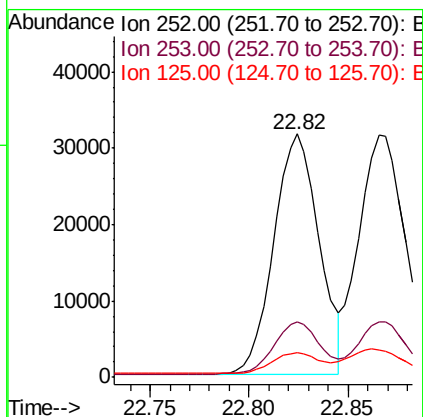
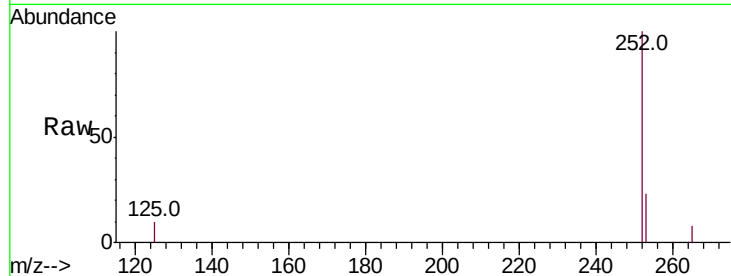




#35  
Benzo(b)fluoranthene  
Concen: 0.382 ng  
RT: 22.82 min Scan# 2411  
Delta R.T. -0.00 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

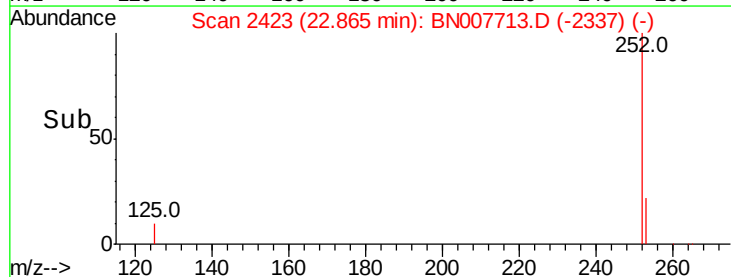
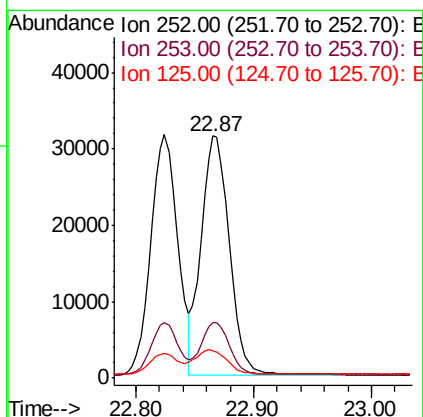
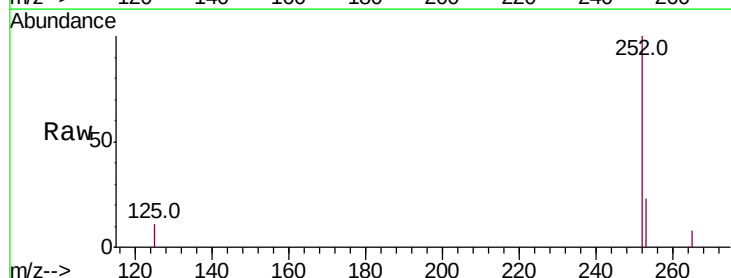
Instrument :  
BNA\_N  
ClientSampleId :

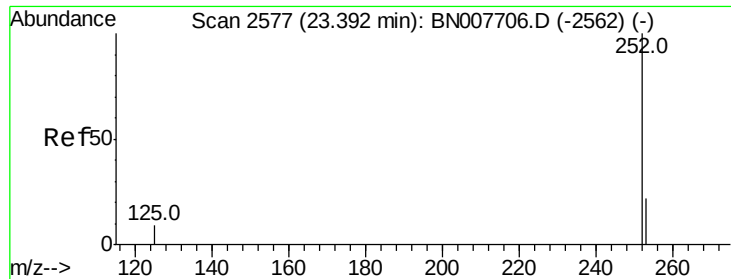
Tot Ion:252 Resp: 50029  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.3 27.5  
125 10.3 8.2 12.4



#36  
Benzo(k)fluoranthene  
Concen: 0.401 ng  
RT: 22.87 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BN007713.D  
Acq: 18 Sep 2019 19:41

Tgt Ion:252 Resp: 51995  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.5 27.7  
125 11.5 8.4 12.6





#37

Benzo(a)pyrene

Concen: 0.379 ng

RT: 23.39 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :

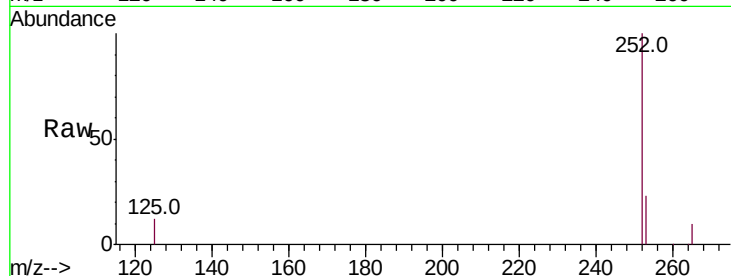
Tot Ion:252 Resp: 46689

Ion Ratio Lower Upper

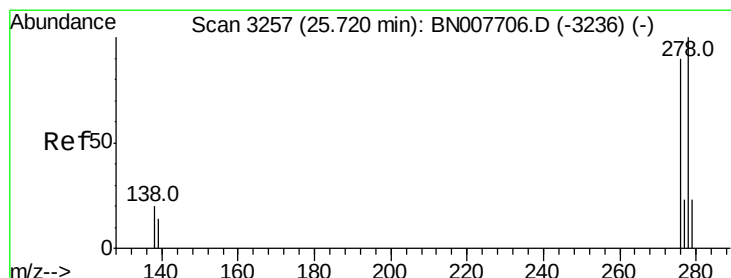
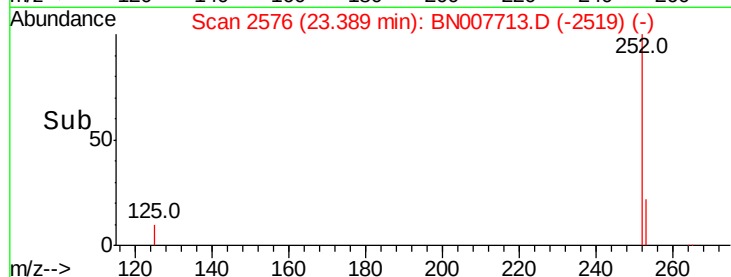
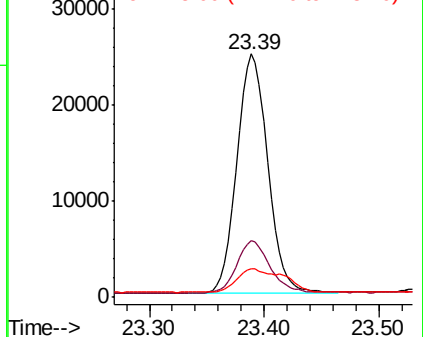
252 100

253 23.3 18.6 27.8

125 11.6 9.4 14.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.383 ng

RT: 25.72 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

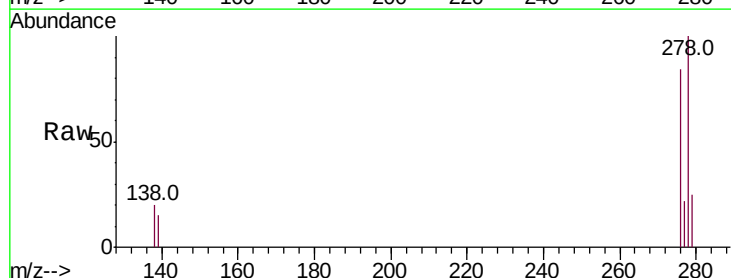
Tgt Ion:278 Resp: 48278

Ion Ratio Lower Upper

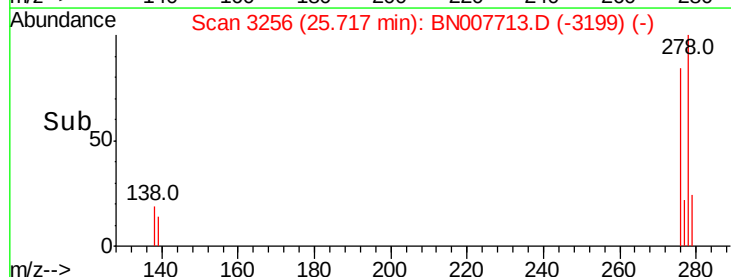
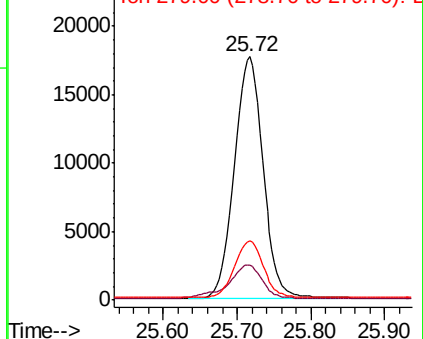
278 100

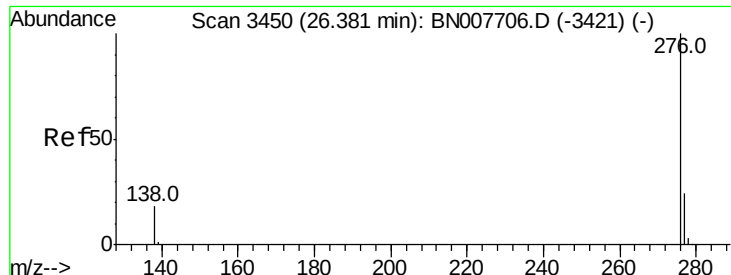
139 14.6 11.8 17.6

279 24.6 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.377 ng

RT: 26.38 min Scan# 3449

Delta R.T. -0.00 min

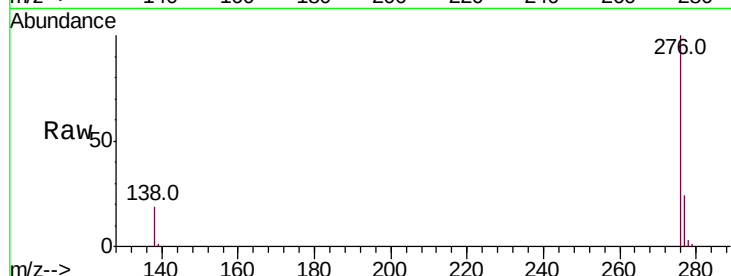
Lab File: BN007713.D

Acq: 18 Sep 2019 19:41

Instrument :

BNA\_N

ClientSampleId :



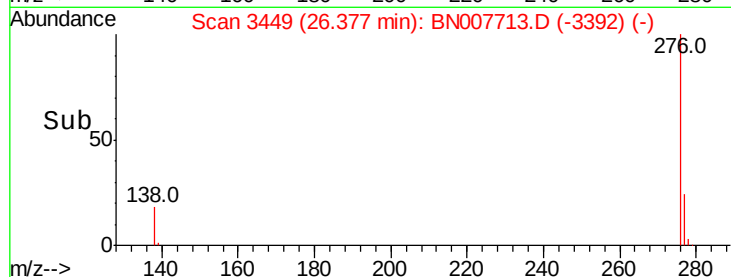
Tot Ion: 276 Resp: 47045

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 18.9 15.1 22.7



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

