

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\  
 Data File : BN007743.D  
 Acq On : 19 Sep 2019 16:24  
 Operator : HP/JU  
 Sample : PB123061BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123061BSD

Quant Time: Sep 20 01:48:48 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  | 10912    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.47 | 136  | 44282    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.32 | 164  | 24535    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 59317    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 76150    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.49 | 264  | 74131    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.32  | 112  | 10188    | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                | 6.87  | 99   | 13849    | 0.29 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.83  | 82   | 12398    | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152  | 25915    | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330  | 3416     | 0.26 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.95 | 172  | 38329    | 0.38 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.10 | 212  | 66704    | 0.33 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.71 | 244  | 55807    | 0.30 | ng    | 0.00     |

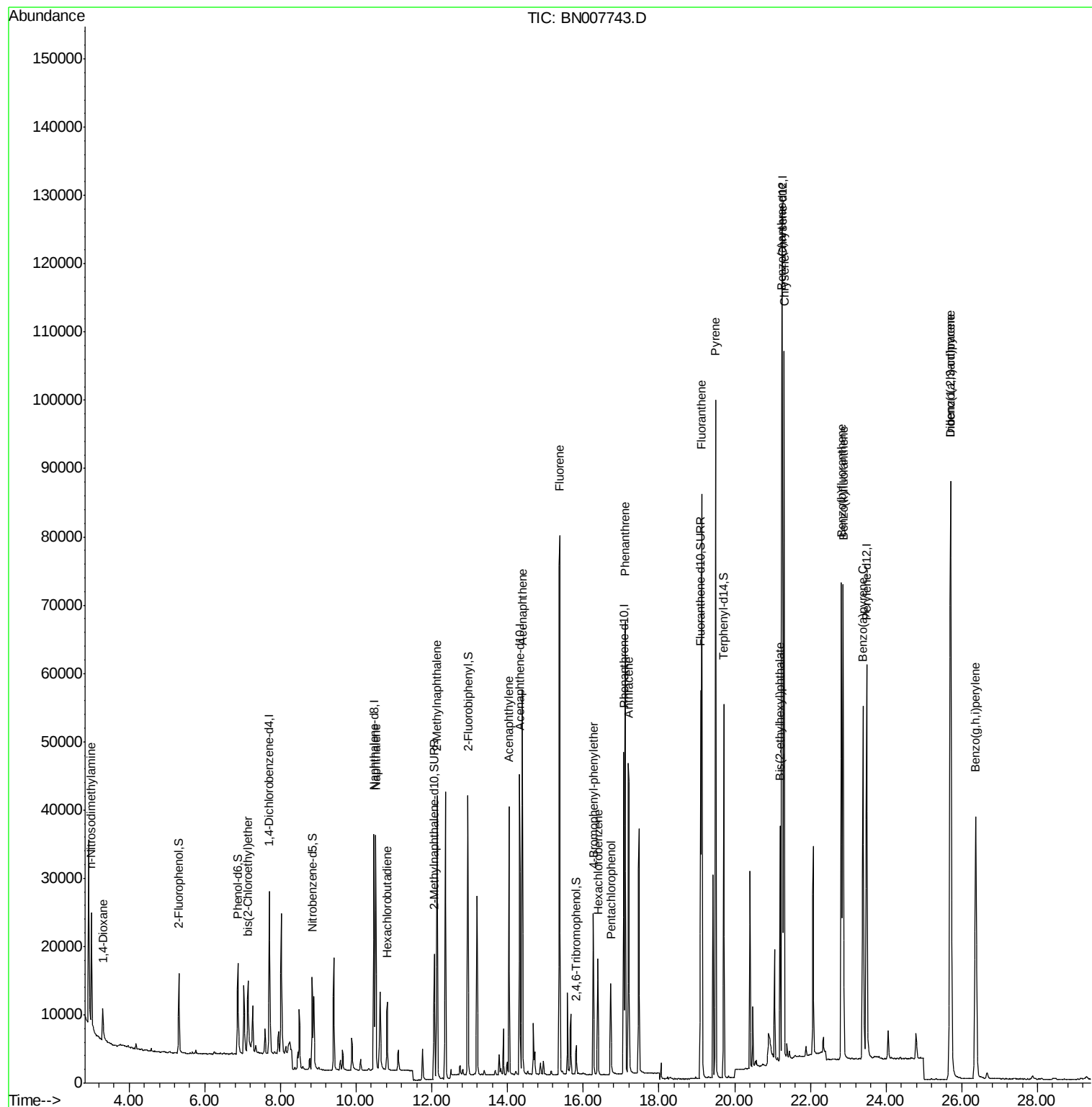
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 4107     | 0.338 | ng    | # 83   |
| 3) n-Nitrosodimethylamine      | 3.01  | 42   | 1913     | 0.343 | ng    | # 88   |
| 6) bis(2-Chloroethyl)ether     | 7.14  | 93   | 10899    | 0.353 | ng    | 98     |
| 9) Naphthalene                 | 10.52 | 128  | 44646    | 0.359 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.82 | 225  | 8796     | 0.336 | ng    | # 99   |
| 12) 2-Methylnaphthalene        | 12.13 | 142  | 29756    | 0.354 | ng    | 100    |
| 16) Acenaphthylene             | 14.04 | 152  | 44291    | 0.340 | ng    | 100    |
| 17) Acenaphthene               | 14.39 | 154  | 28904    | 0.345 | ng    | 98     |
| 18) Fluorene                   | 15.38 | 166  | 37258    | 0.347 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248  | 11997    | 0.333 | ng    | 95     |
| 21) Hexachlorobenzene          | 16.39 | 284  | 13410    | 0.341 | ng    | 98     |
| 22) Pentachlorophenol          | 16.73 | 266  | 8102     | 0.558 | ng    | 97     |
| 23) Phenanthrene               | 17.11 | 178  | 63967    | 0.346 | ng    | 100    |
| 24) Anthracene                 | 17.19 | 178  | 54045    | 0.324 | ng    | 100    |
| 26) Fluoranthene               | 19.13 | 202  | 78230    | 0.340 | ng    | 100    |
| 28) Pyrene                     | 19.50 | 202  | 88258    | 0.340 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.25 | 228  | 83947    | 0.299 | ng    | 98     |
| 31) Chrysene                   | 21.30 | 228  | 87958    | 0.322 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 28692    | 0.199 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.70 | 276  | 104138   | 0.304 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 22.82 | 252  | 84865    | 0.330 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 22.87 | 252  | 89638    | 0.352 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.39 | 252  | 76959    | 0.318 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 25.71 | 278  | 83861    | 0.339 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 26.37 | 276  | 80511    | 0.329 | ng    | 98     |

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

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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: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

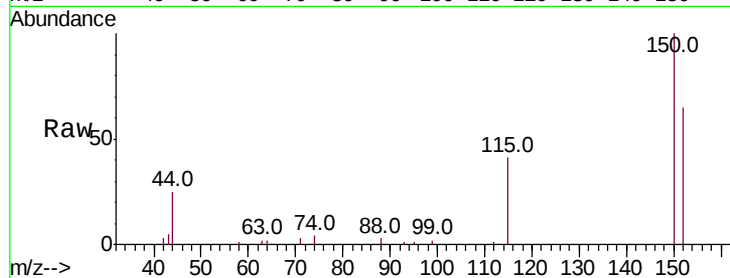
Tot Ion:152 Resp: 10912

Ion Ratio Lower Upper

152 100

150 153.8 125.6 188.4

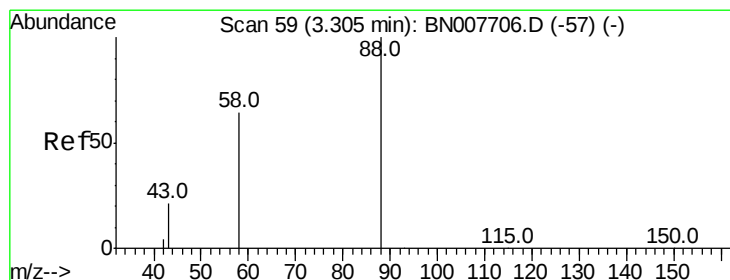
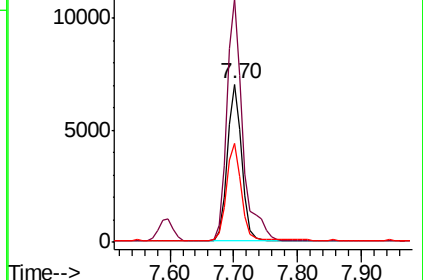
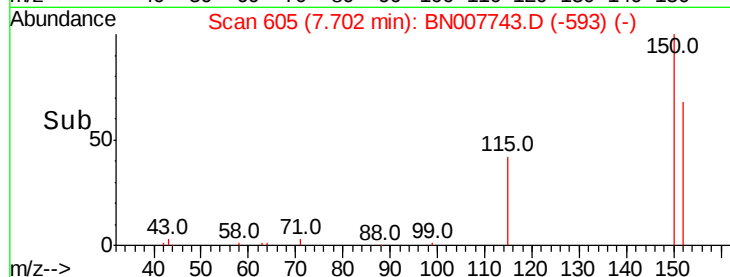
115 62.6 53.3 79.9



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: 0.338 ng

RT: 3.30 min Scan# 59

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

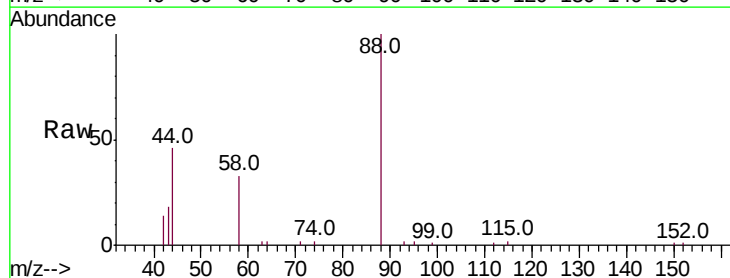
Tgt Ion: 88 Resp: 4107

Ion Ratio Lower Upper

88 100

58 68.8 44.6 66.8#

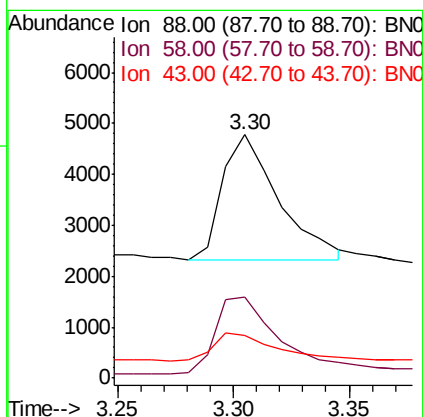
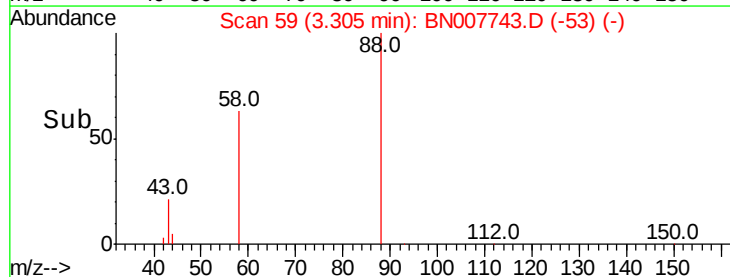
43 25.0 14.4 21.6#



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: 0.343 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

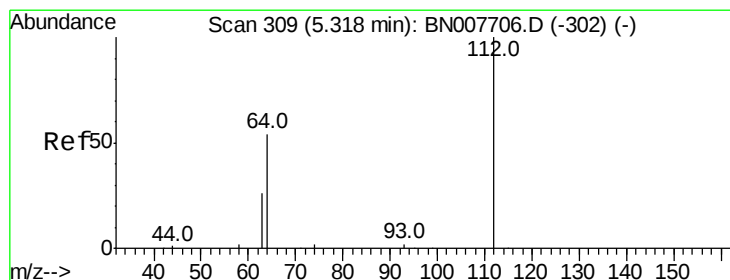
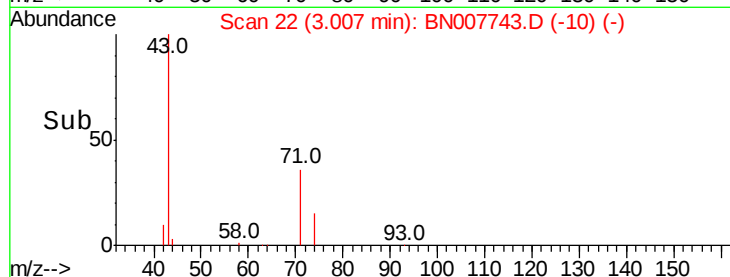
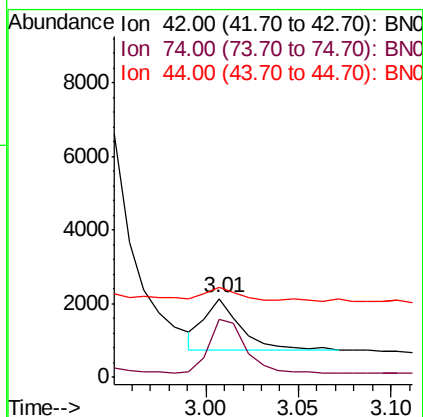
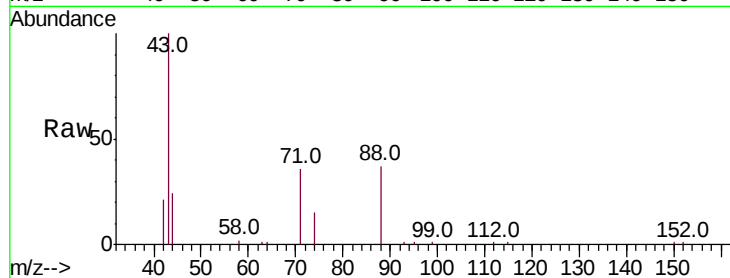
Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
PB123061BSD

Tot Ion: 42 Resp: 1913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 102.1 | 87.9  | 131.9 |
| 44  | 20.5  | 29.4  | 44.0# |



#4

2-Fluorophenol

Concen: 0.271 ng

RT: 5.32 min Scan# 309

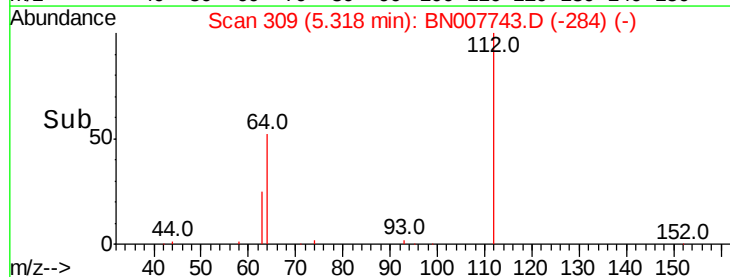
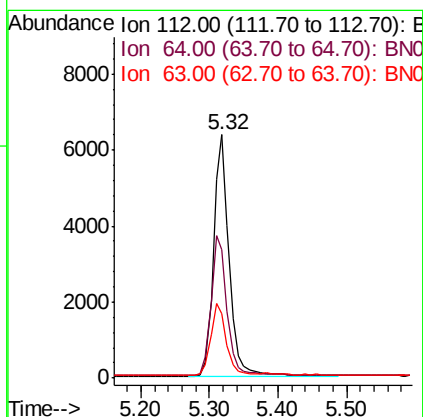
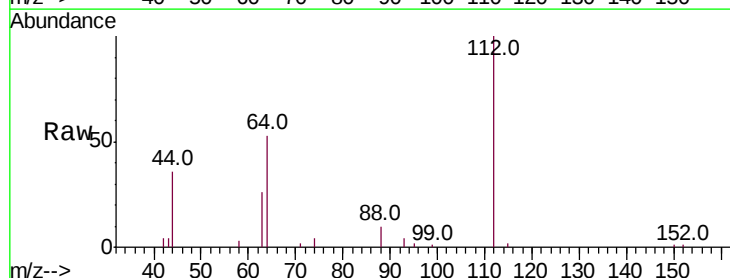
Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Tgt Ion: 112 Resp: 10188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 59.8  | 46.6  | 70.0  |
| 63  | 29.3  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.294 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

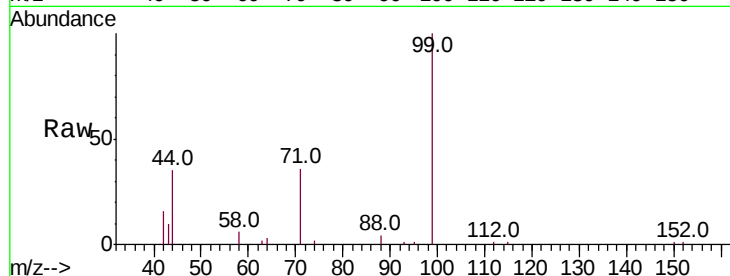
Tot Ion: 99 Resp: 13849

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

71 35.2 27.6 41.4

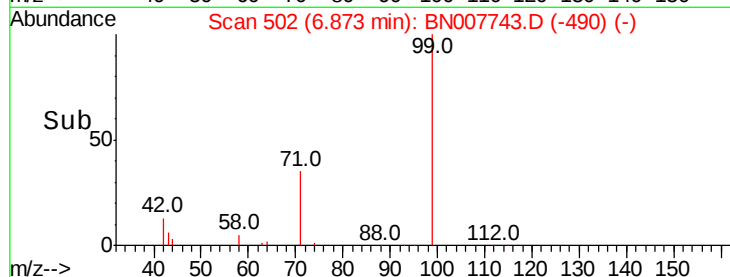


Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

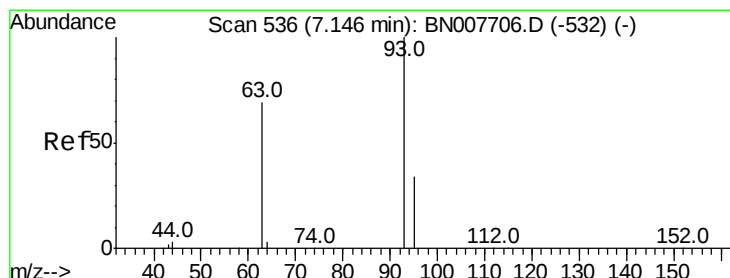
Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)

6.87



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.353 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

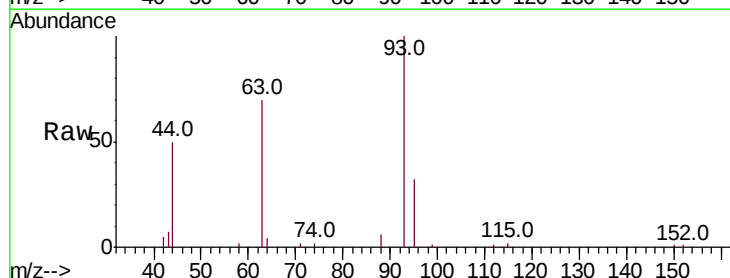
Tgt Ion: 93 Resp: 10899

Ion Ratio Lower Upper

93 100

63 75.2 59.3 88.9

95 36.7 31.4 47.0

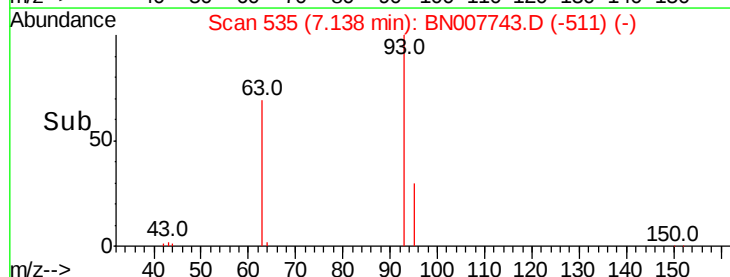


Abundance Ion 93.00 (92.70 to 93.70): BN007706.D (-532) (-)

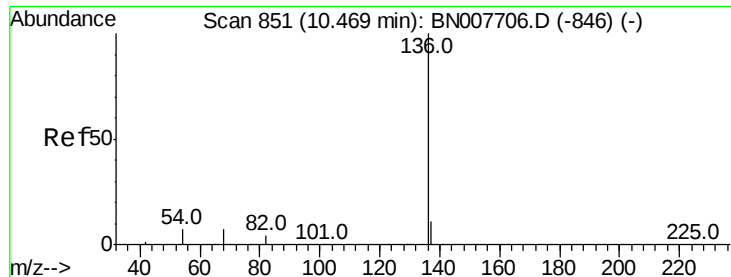
Ion 63.00 (62.70 to 63.70): BN007706.D (-532) (-)

Ion 95.00 (94.70 to 95.70): BN007706.D (-532) (-)

7.14



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

Tot Ion:136 Resp: 44282

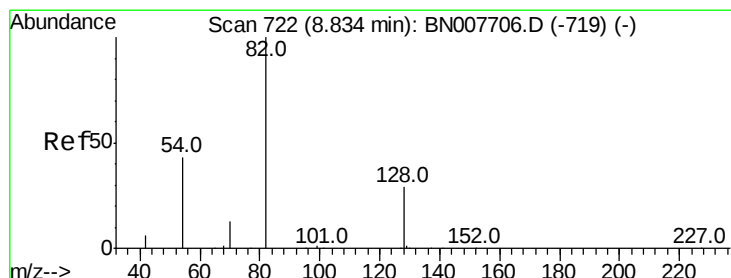
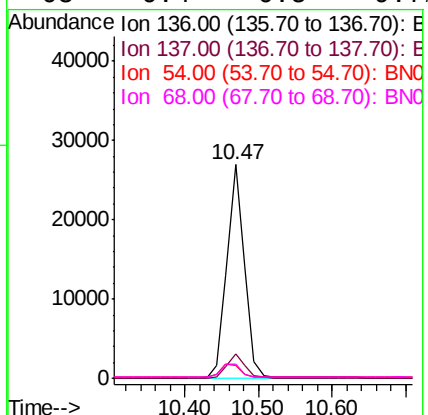
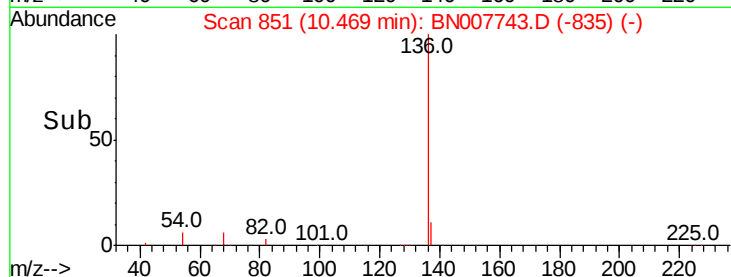
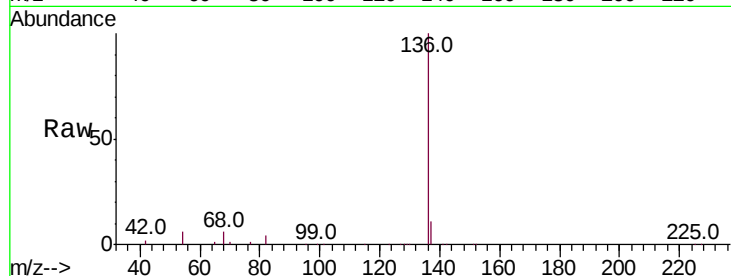
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 5.8 5.8 8.8#

68 6.4 6.5 9.7#



#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

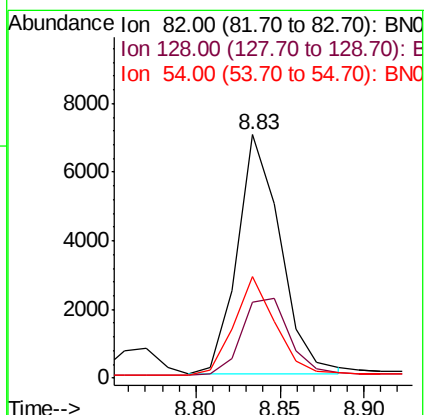
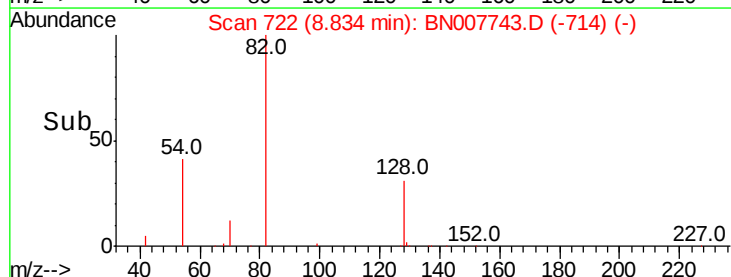
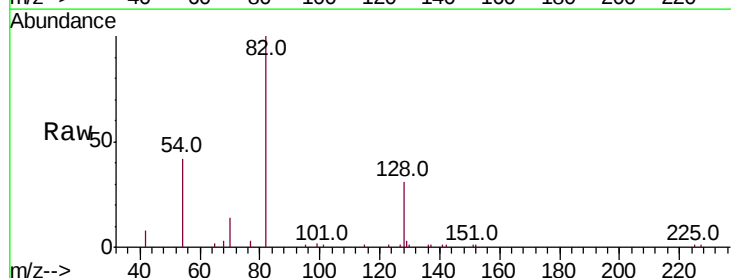
Tgt Ion: 82 Resp: 12398

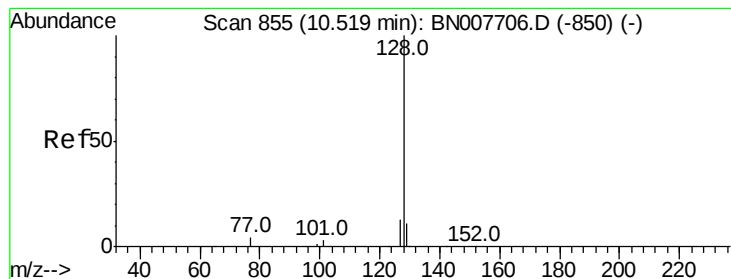
Ion Ratio Lower Upper

82 100

128 31.2 24.5 36.7

54 41.7 35.2 52.8





#9

Naphthalene

Concen: 0.359 ng

RT: 10.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

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ClientSampleId :

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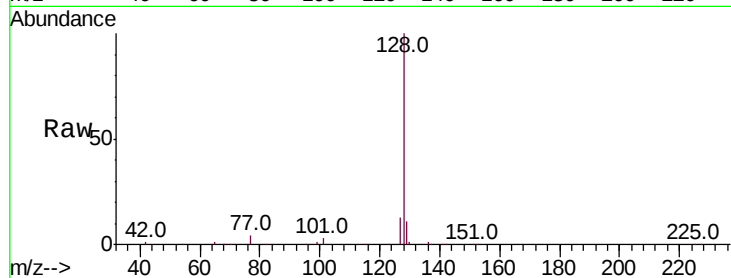
Tot Ion:128 Resp: 44646

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

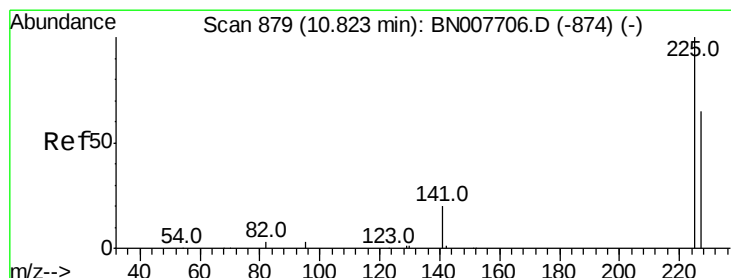
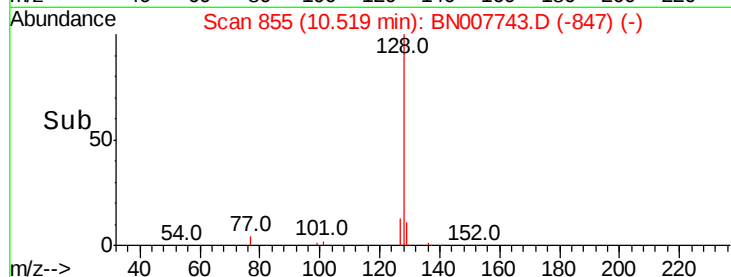
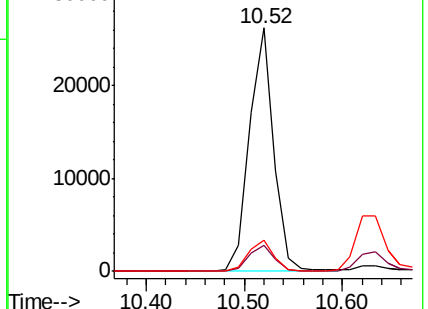
127 12.9 10.6 15.8



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: 0.336 ng

RT: 10.82 min Scan# 879

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

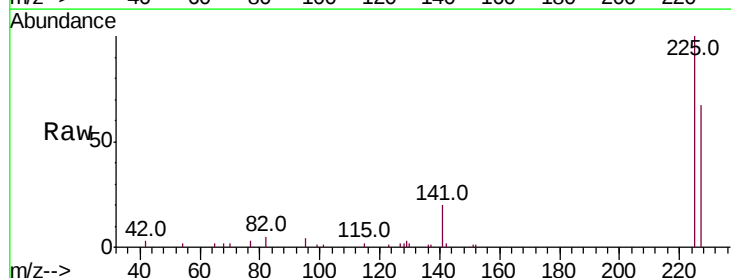
Tgt Ion:225 Resp: 8796

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

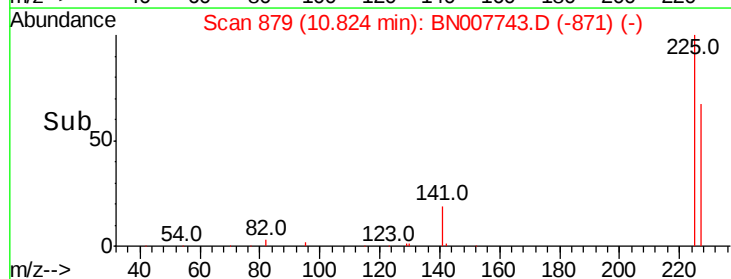
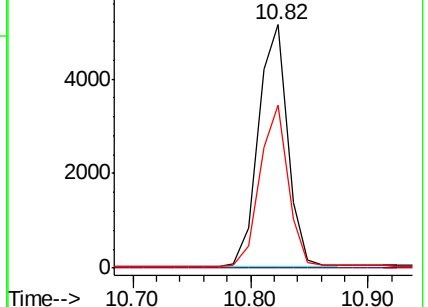
227 64.5 51.2 76.8

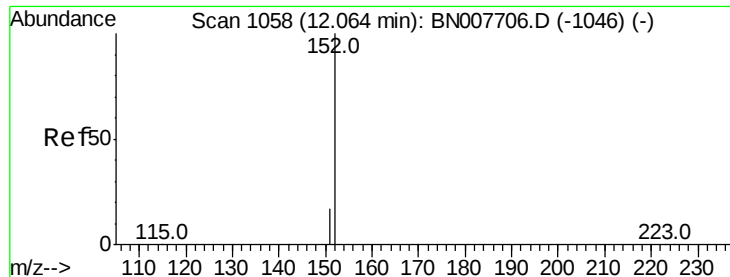


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

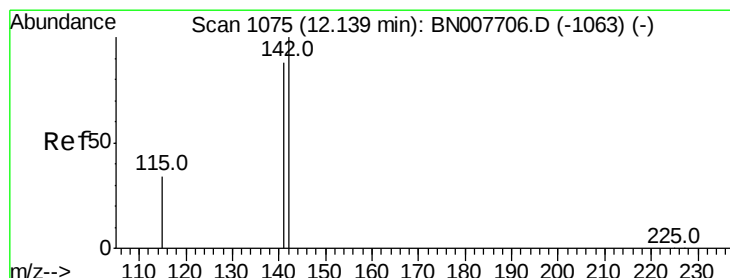
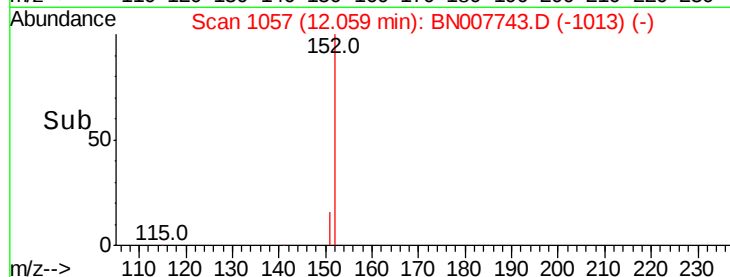
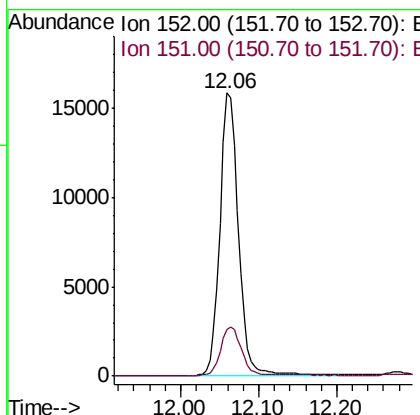
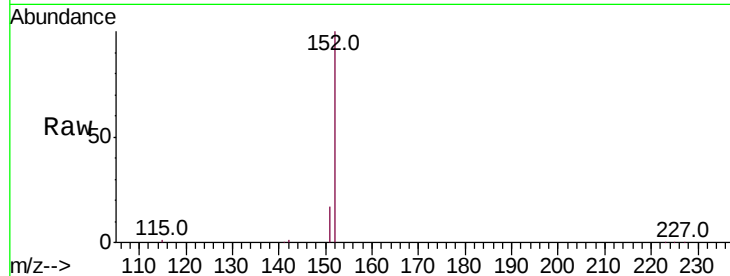




#11  
2-Methylnaphthalene-d10  
Concen: 0.347 ng  
RT: 12.06 min Scan# 1057  
Delta R.T. -0.00 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

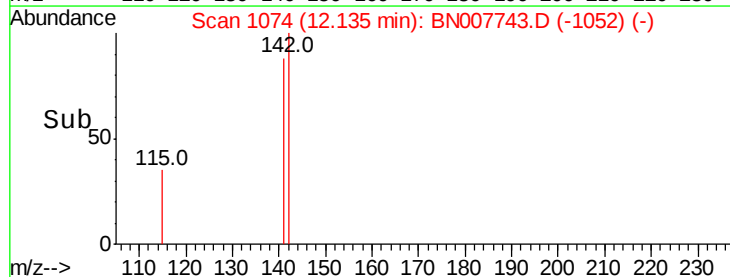
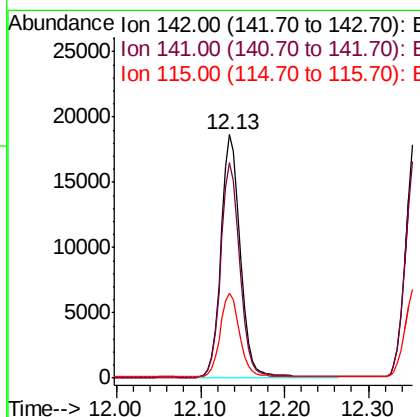
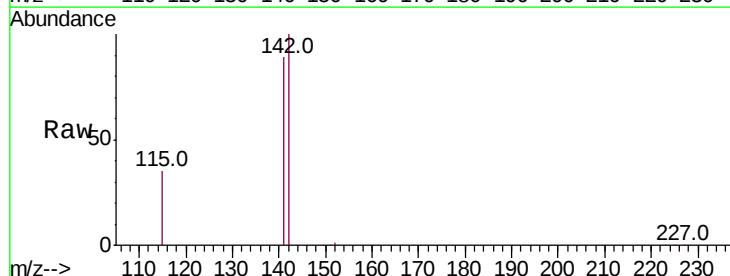
Instrument :  
BNA\_N  
ClientSampleId :  
PB123061BSD

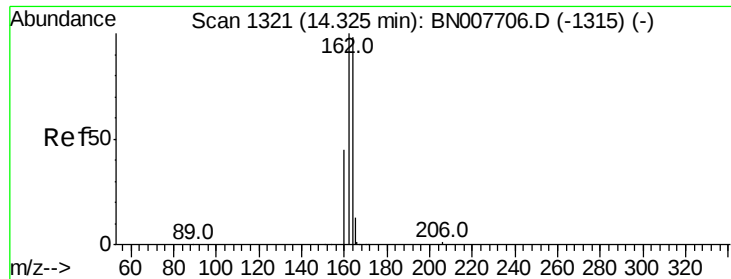
Tot Ion:152 Resp: 25915  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.4 23.2



#12  
2-Methylnaphthalene  
Concen: 0.354 ng  
RT: 12.13 min Scan# 1074  
Delta R.T. -0.00 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

Tgt Ion:142 Resp: 29756  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.6 106.0  
115 35.1 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

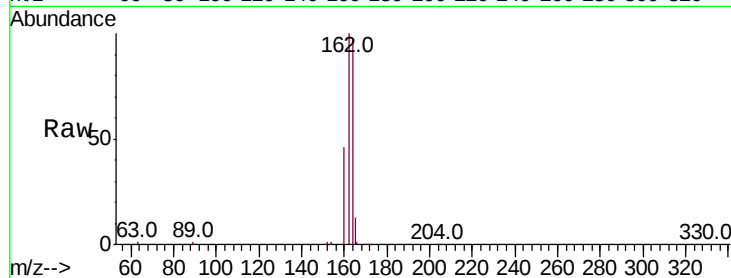
Tot Ion:164 Resp: 24535

Ion Ratio Lower Upper

164 100

162 103.4 81.7 122.5

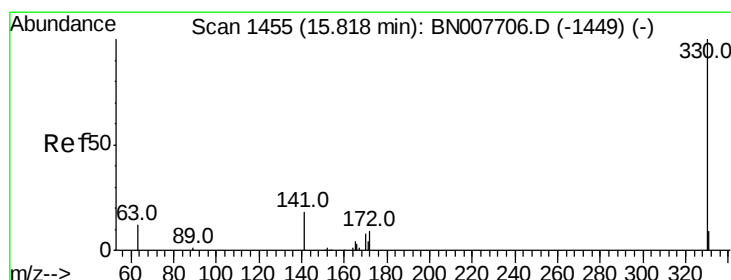
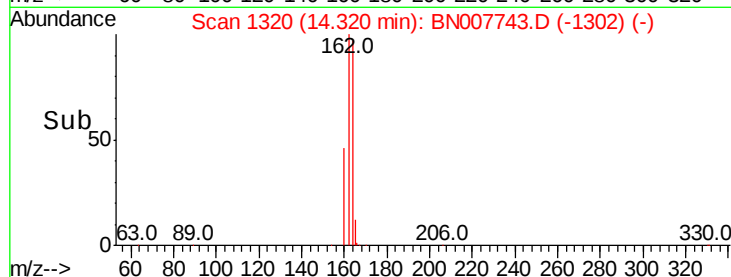
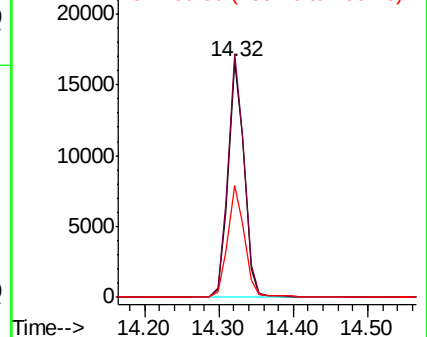
160 47.6 37.0 55.4



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: 0.256 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

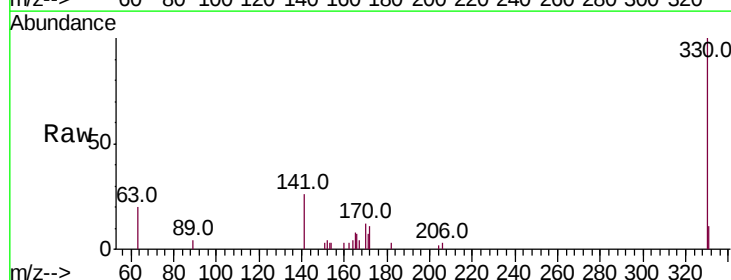
Tgt Ion:330 Resp: 3416

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

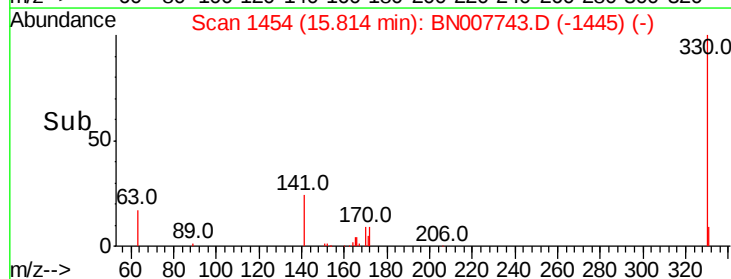
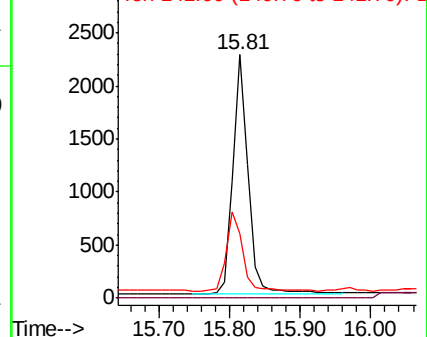
141 35.0 28.7 43.1



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

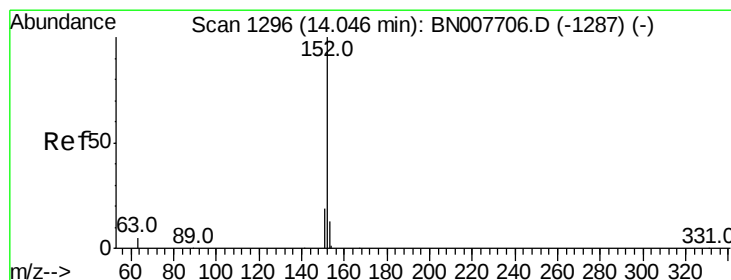
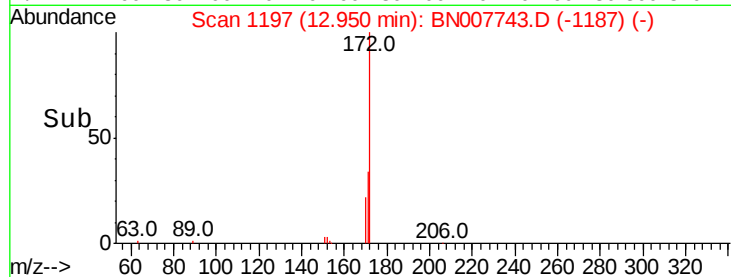
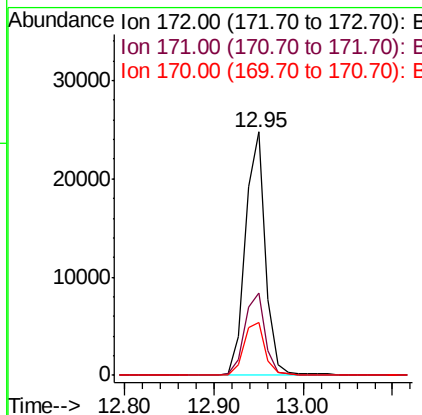
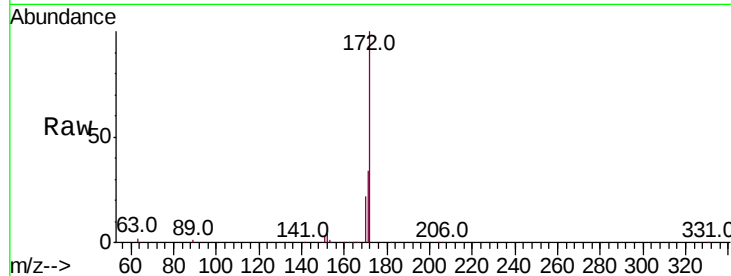




#15  
2-Fluorobiphenyl  
Concen: 0.379 ng  
RT: 12.95 min Scan# 1197  
Delta R.T. 0.01 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

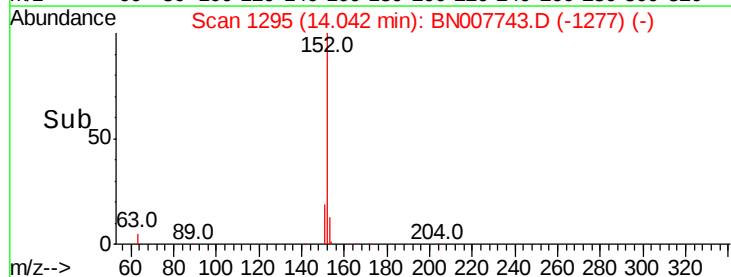
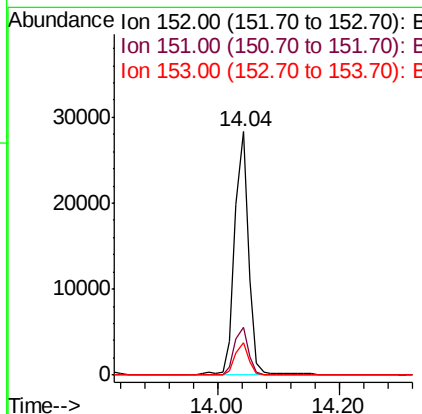
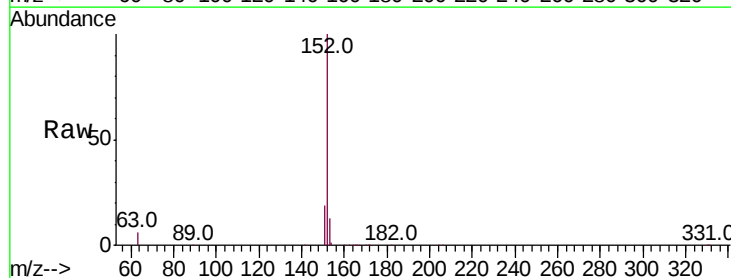
Instrument :  
BNA\_N  
ClientSampleId :  
PB123061BSD

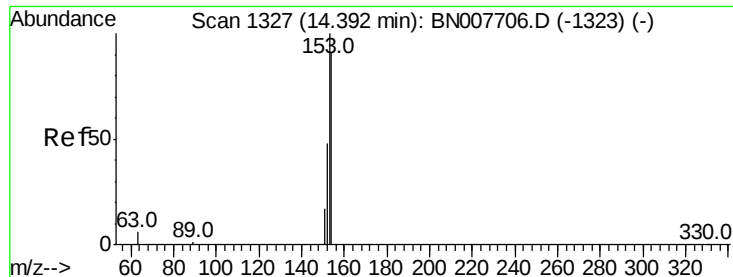
Tot Ion:172 Resp: 38329  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.8 43.2  
170 21.9 19.5 29.3



#16  
Acenaphthylene  
Concen: 0.340 ng  
RT: 14.04 min Scan# 1295  
Delta R.T. -0.00 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

Tgt Ion:152 Resp: 44291  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.5 23.3  
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.345 ng

RT: 14.39 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

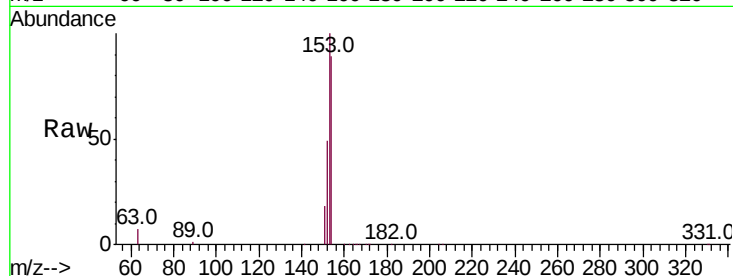
Tot Ion:154 Resp: 28904

Ion Ratio Lower Upper

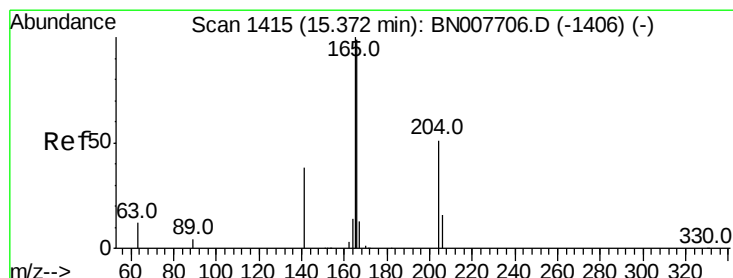
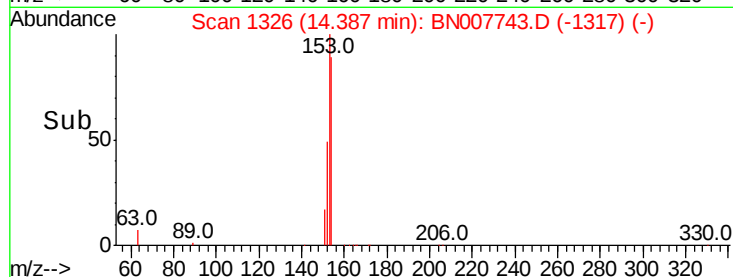
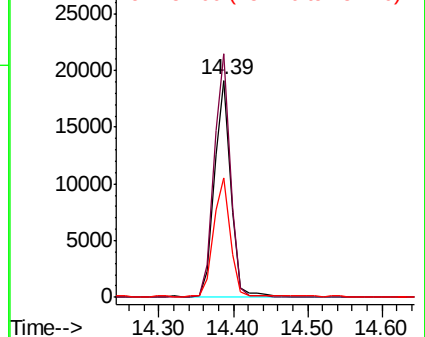
154 100

153 110.7 87.0 130.4

152 55.6 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: 0.347 ng

RT: 15.38 min Scan# 1415

Delta R.T. 0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

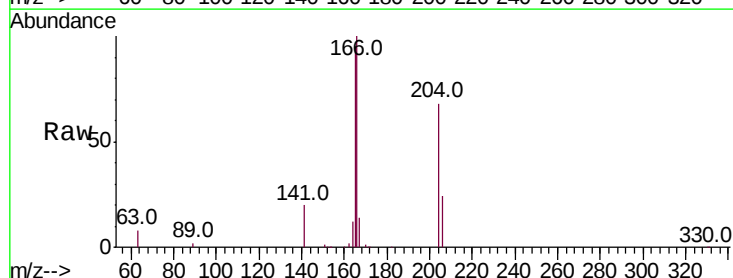
Tgt Ion:166 Resp: 37258

Ion Ratio Lower Upper

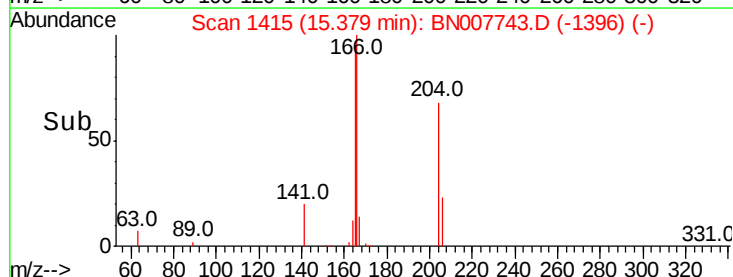
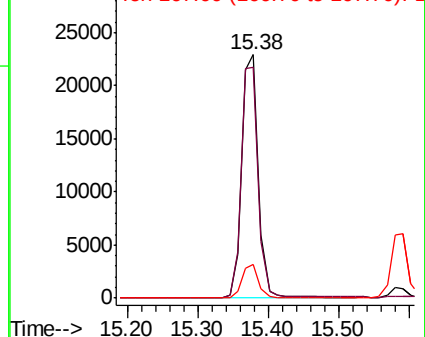
166 100

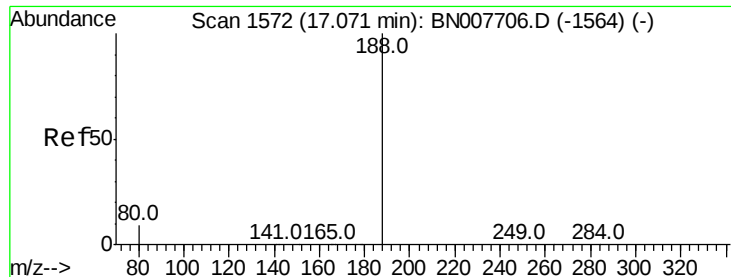
165 97.3 78.0 117.0

167 13.5 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# 1571

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

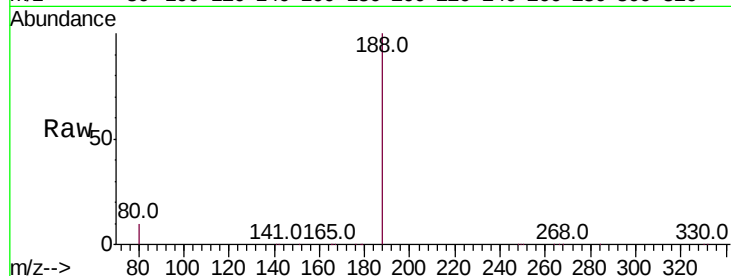
Tot Ion:188 Resp: 59317

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

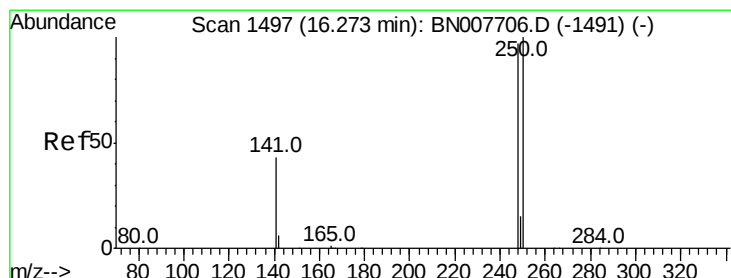
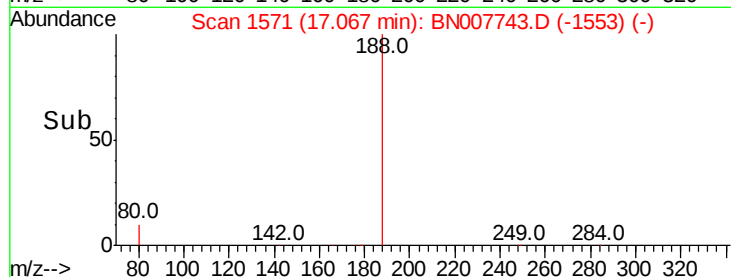
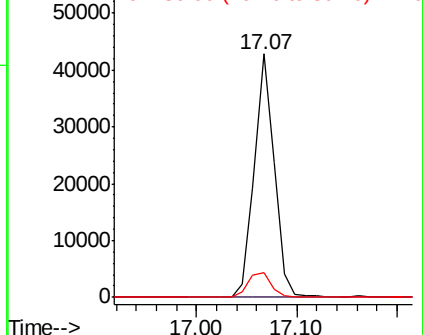
80 10.0 7.4 11.2



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



#20

4-Bromophenyl-phenylether

Concen: 0.333 ng

RT: 16.27 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

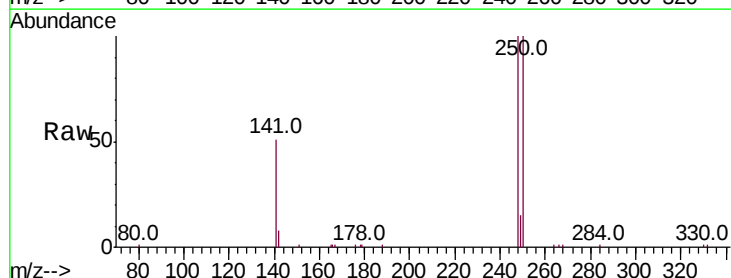
Tgt Ion:248 Resp: 11997

Ion Ratio Lower Upper

248 100

250 100.2 82.2 123.4

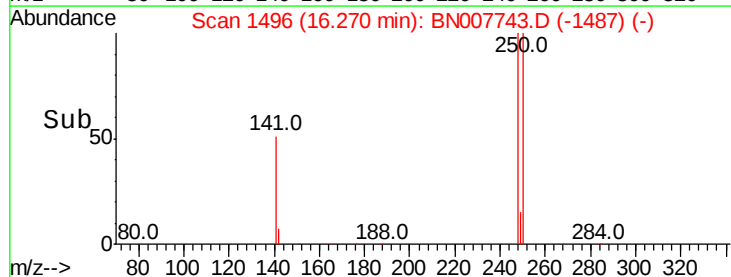
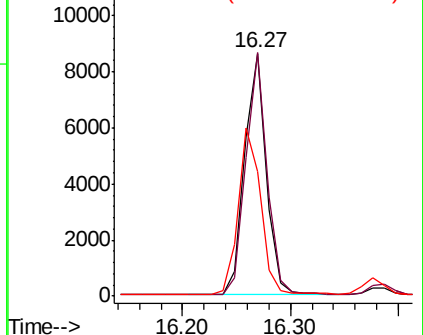
141 51.5 36.3 54.5

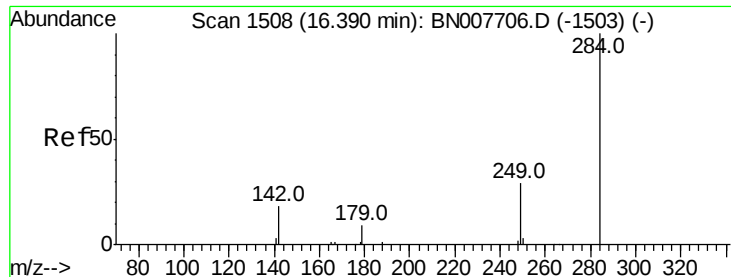


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

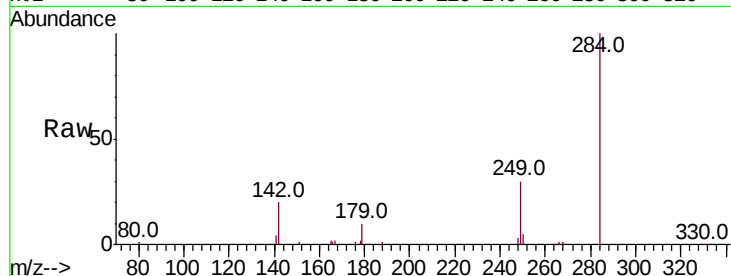




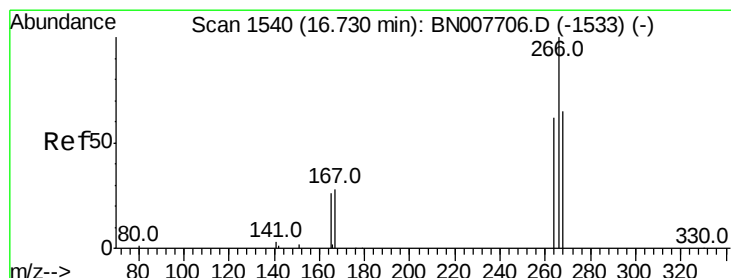
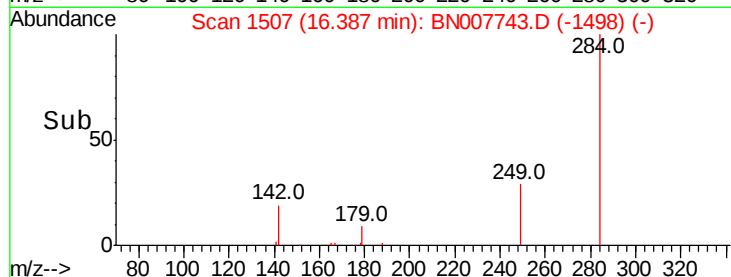
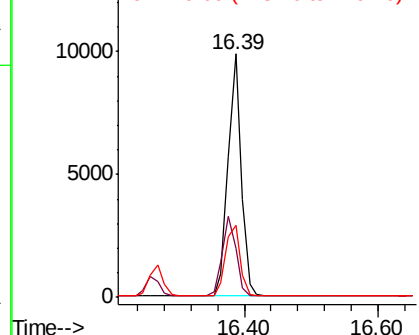
#21  
Hexachlorobenzene  
Concen: 0.341 ng  
RT: 16.39 min Scan# 1507  
Delta R.T. -0.00 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
PB123061BSD

Tot Ion:284 Resp: 13410  
Ion Ratio Lower Upper  
284 100  
142 33.6 25.8 38.6  
249 32.0 25.9 38.9

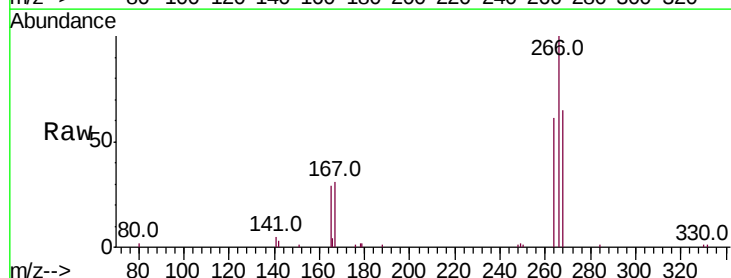


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

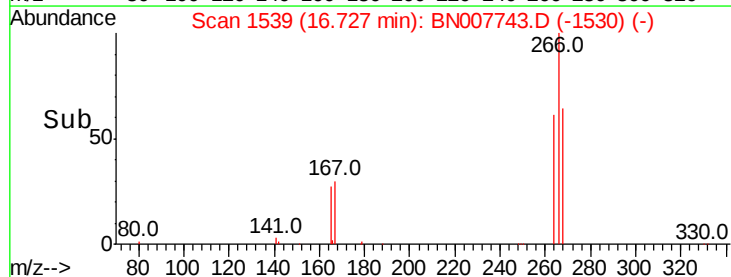
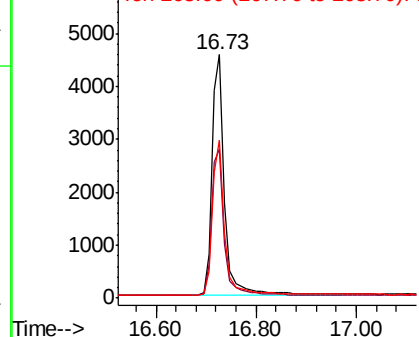


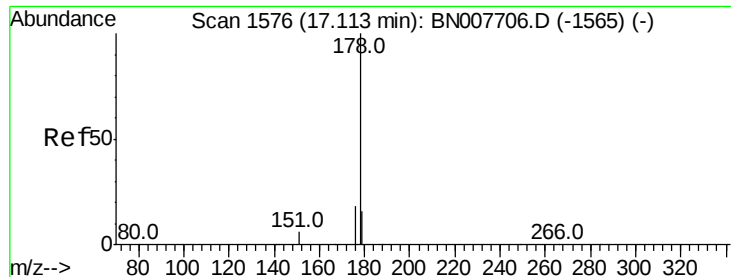
#22  
Pentachlorophenol  
Concen: 0.558 ng  
RT: 16.73 min Scan# 1539  
Delta R.T. -0.00 min  
Lab File: BN007743.D  
Acq: 19 Sep 2019 16:24

Tgt Ion:266 Resp: 8102  
Ion Ratio Lower Upper  
266 100  
264 61.3 50.0 75.0  
268 64.8 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: 0.346 ng

RT: 17.11 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

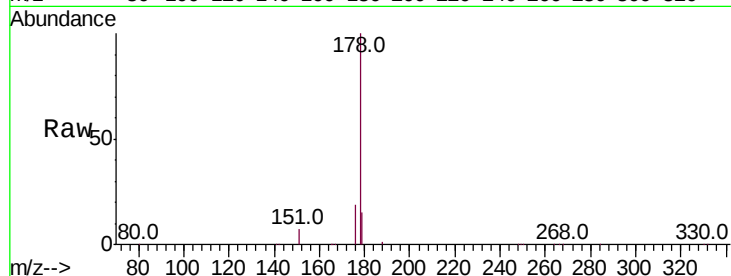
Tot Ion:178 Resp: 63967

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

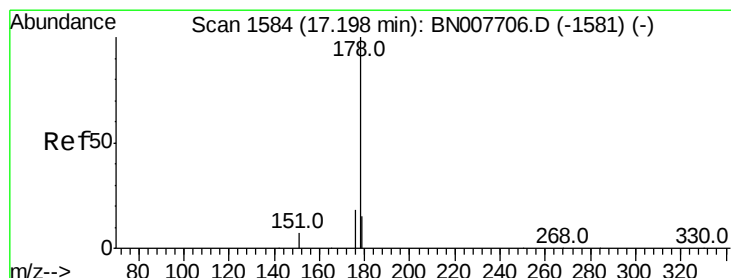
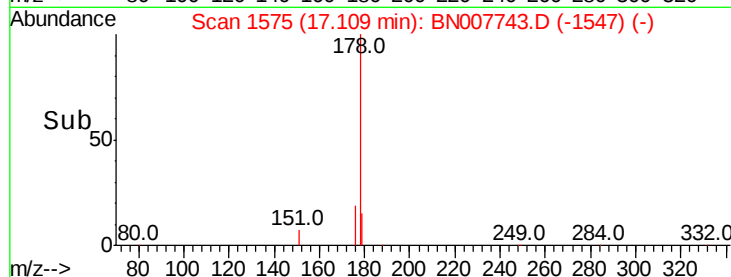
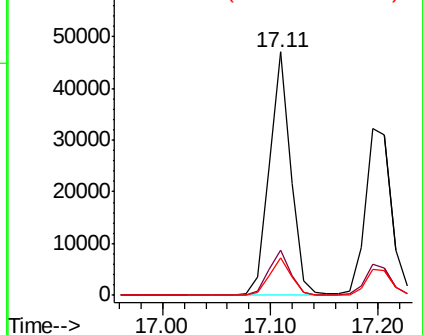
179 15.5 12.5 18.7



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: 0.324 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

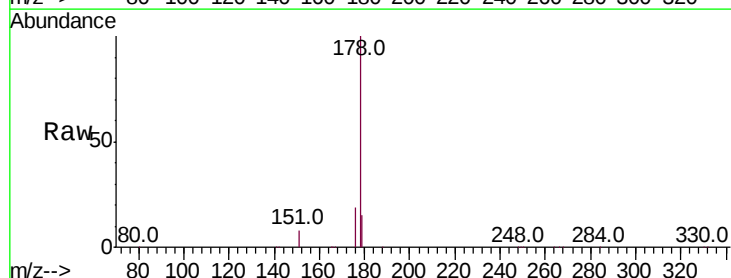
Tgt Ion:178 Resp: 54045

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

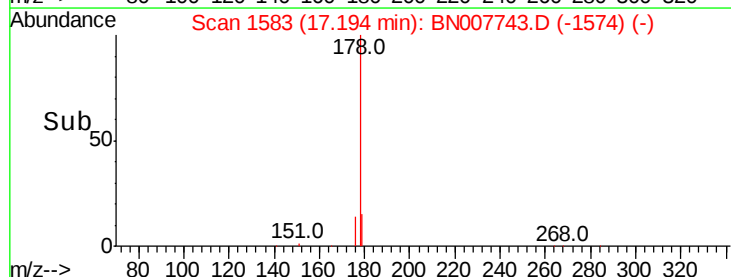
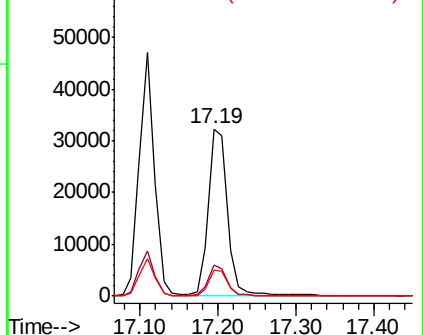
179 15.3 12.2 18.4

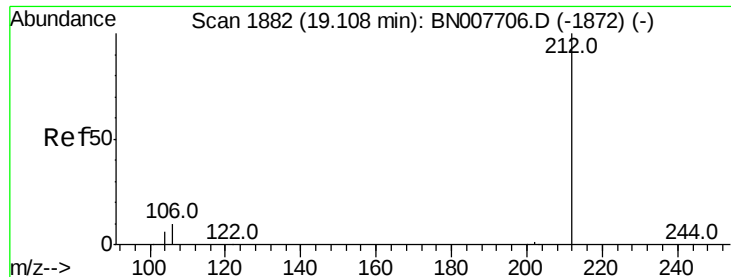


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.334 ng

RT: 19.10 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

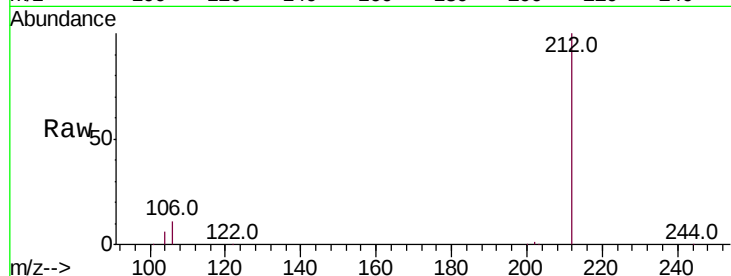
Tot Ion:212 Resp: 66704

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

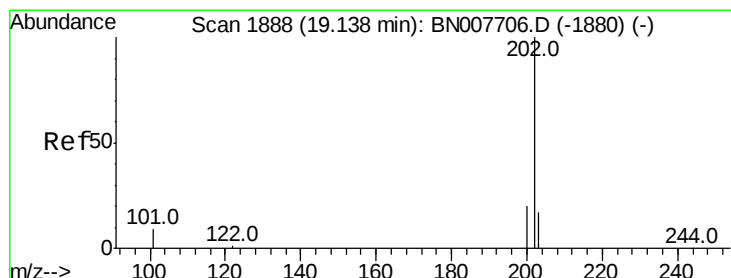
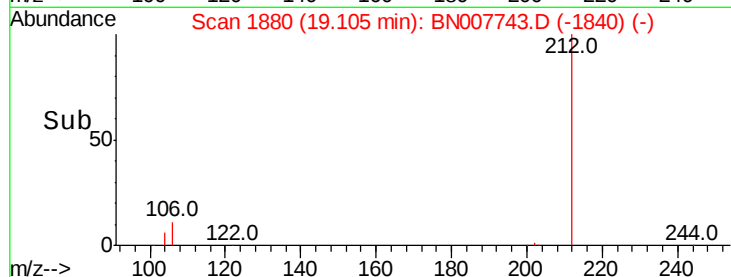
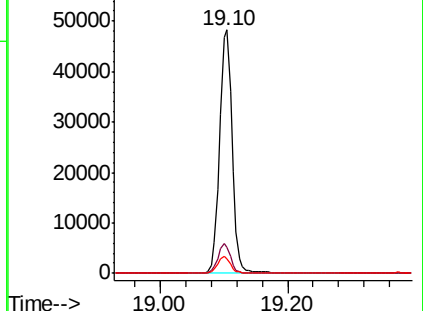
104 6.6 5.3 7.9



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: 0.340 ng

RT: 19.13 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

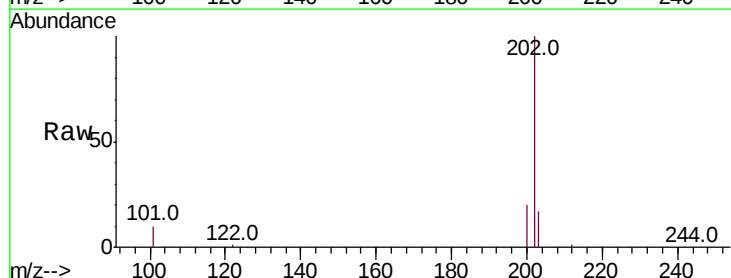
Tgt Ion:202 Resp: 78230

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

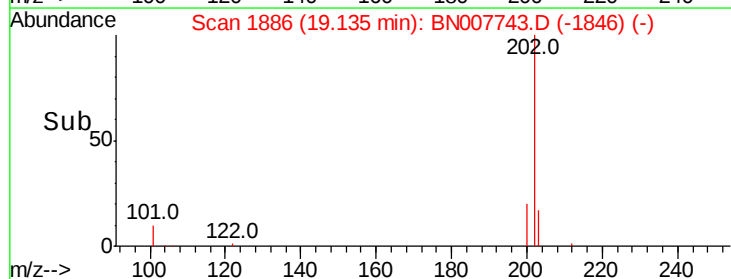
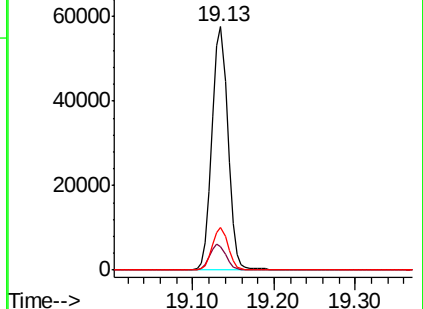
203 17.2 13.8 20.8



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: 21.26 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

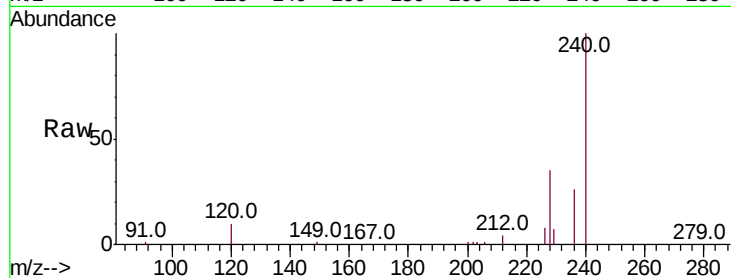
Tot Ion:240 Resp: 76150

Ion Ratio Lower Upper

240 100

120 10.1 5.4 8.2#

236 26.3 21.0 31.4

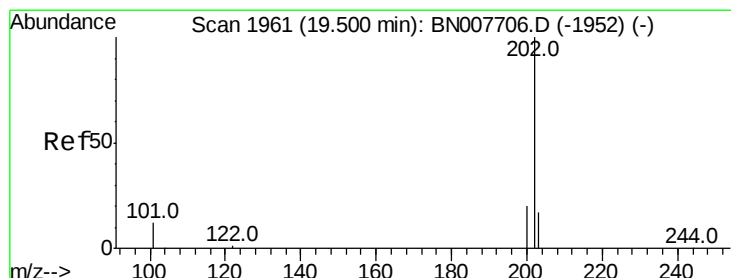
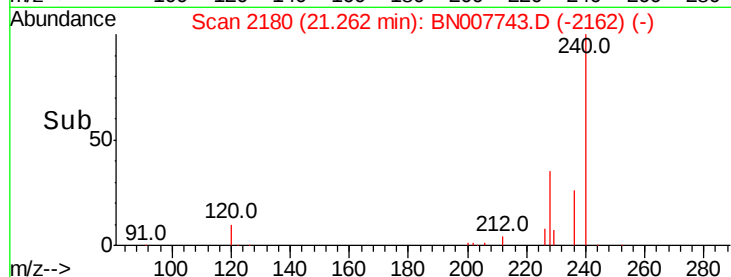
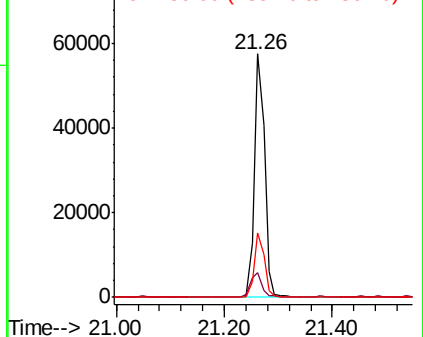


Abundance

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: 0.340 ng

RT: 19.50 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

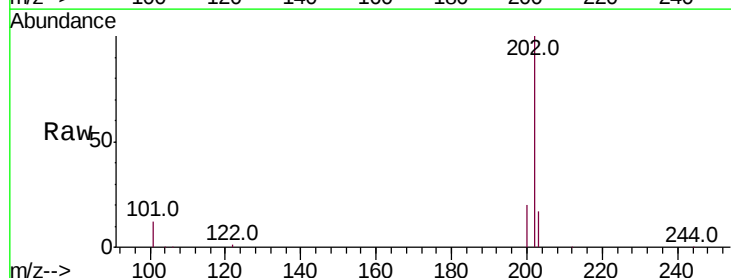
Tgt Ion:202 Resp: 88258

Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

203 17.5 14.1 21.1

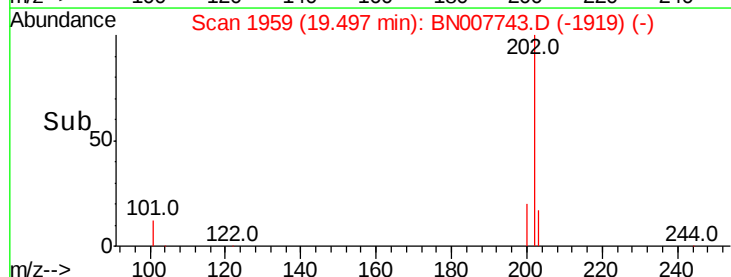
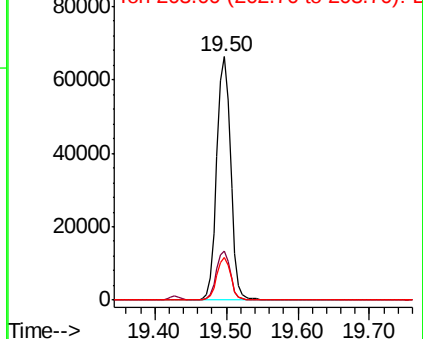


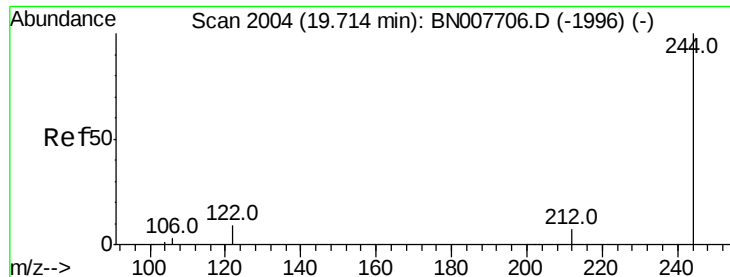
Abundance

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: 0.298 ng

RT: 19.71 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

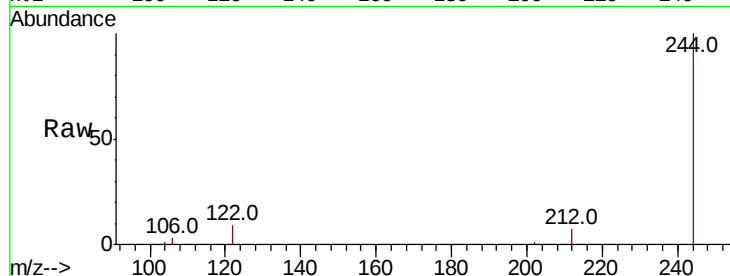
Tot Ion:244 Resp: 55807

Ion Ratio Lower Upper

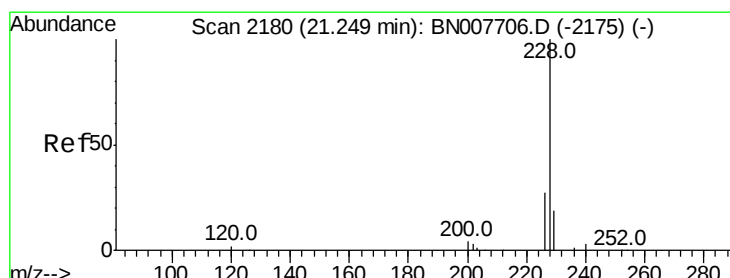
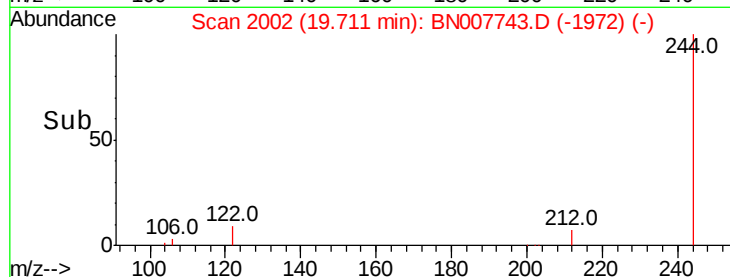
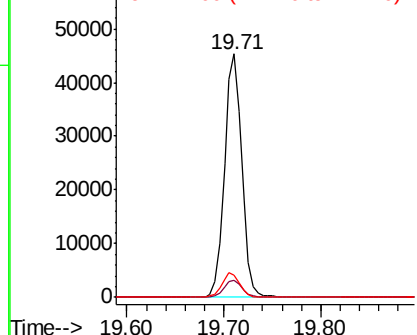
244 100

212 7.2 5.9 8.9

122 9.3 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: 0.299 ng

RT: 21.25 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

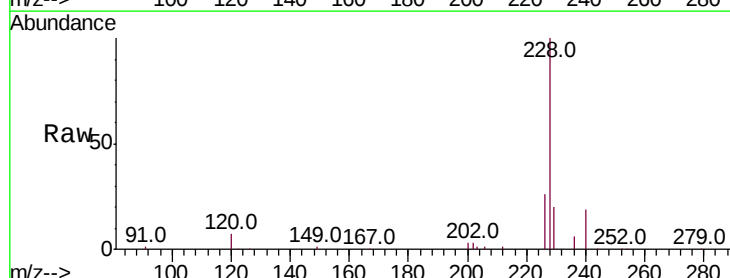
Tgt Ion:228 Resp: 83947

Ion Ratio Lower Upper

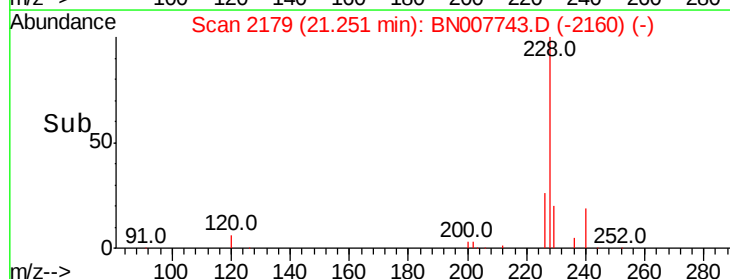
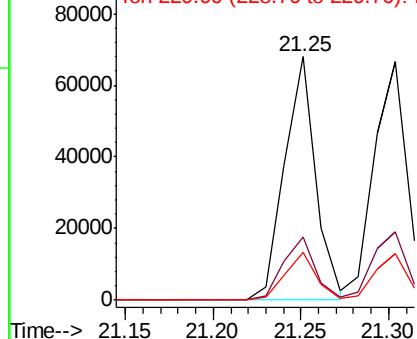
228 100

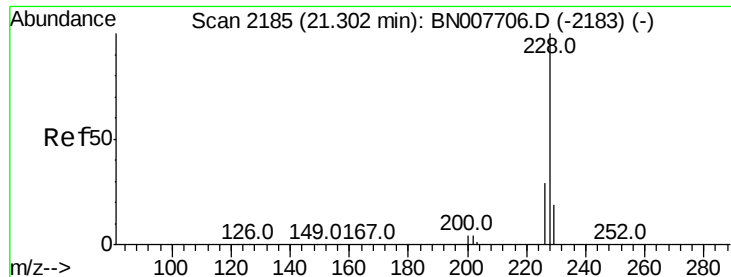
226 26.1 22.1 33.1

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: 0.322 ng

RT: 21.30 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

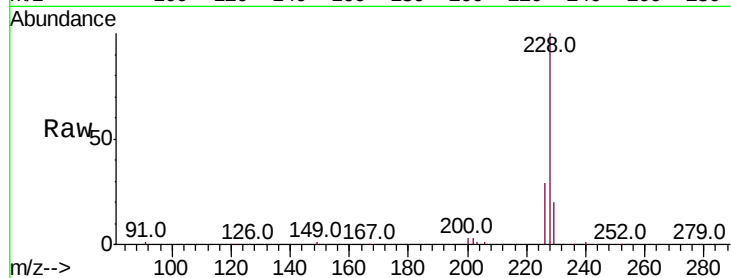
Tot Ion:228 Resp: 87958

Ion Ratio Lower Upper

228 100

226 28.7 23.9 35.9

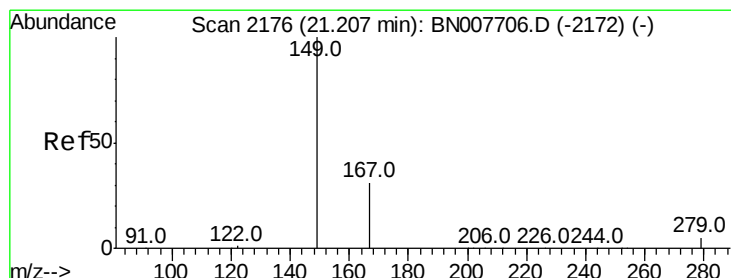
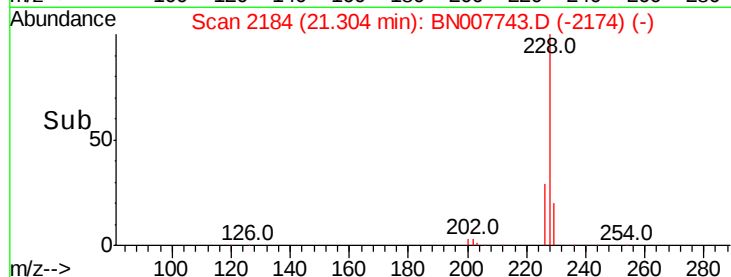
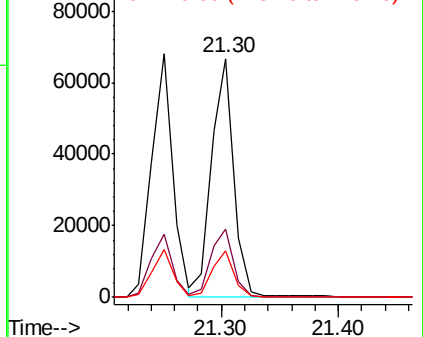
229 19.7 15.8 23.6



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: 0.199 ng

RT: 21.20 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

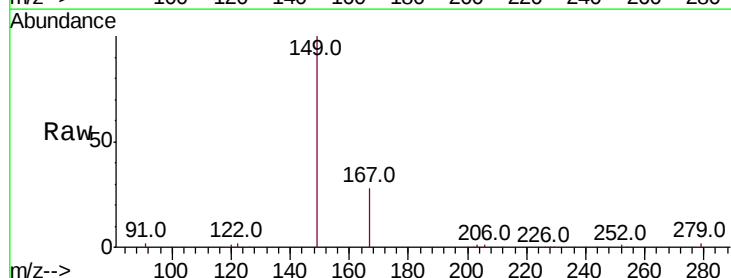
Tgt Ion:149 Resp: 28692

Ion Ratio Lower Upper

149 100

167 29.1 23.7 35.5

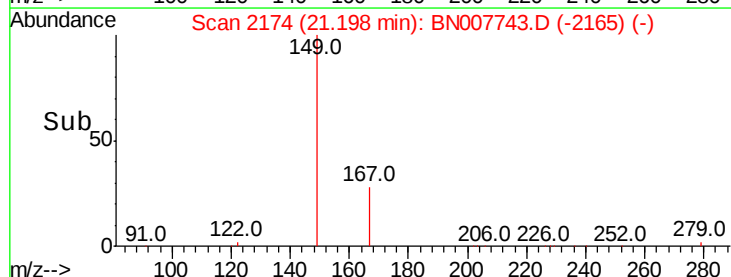
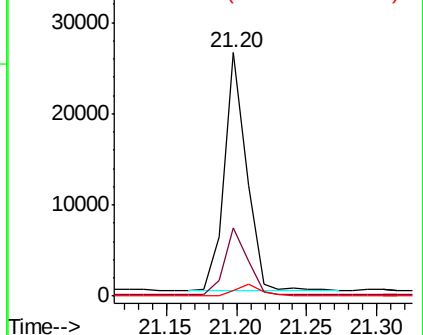
279 4.8 4.2 6.2

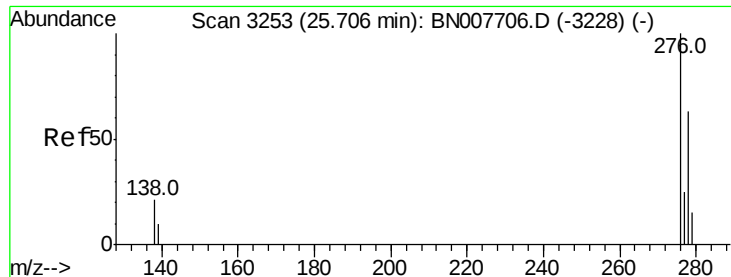


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

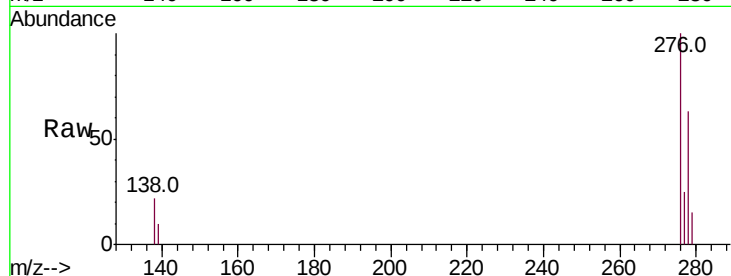




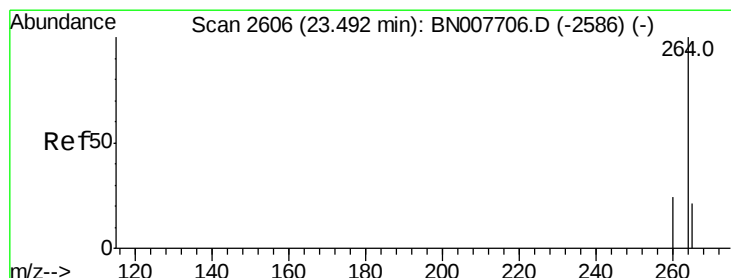
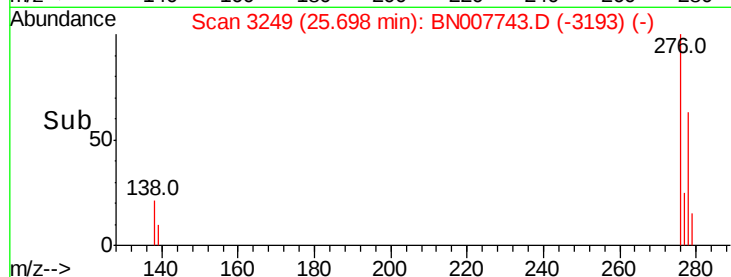
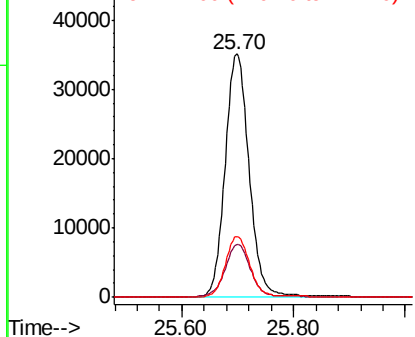
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.304 ng  
 RT: 25.70 min Scan# 3249  
 Delta R.T. -0.01 min  
 Lab File: BN007743.D  
 Acq: 19 Sep 2019 16:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123061BSD

Tot Ion:276 Resp: 104138  
 Ion Ratio Lower Upper  
 276 100  
 138 22.8 17.1 25.7  
 277 25.1 20.0 30.0

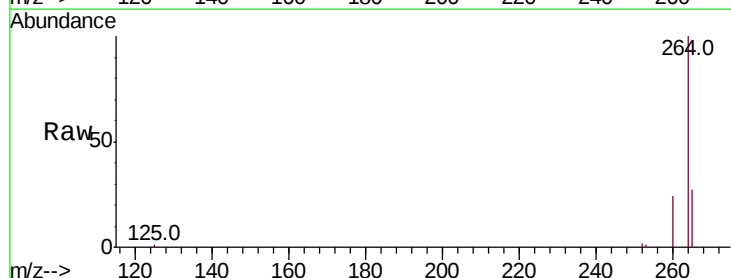


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

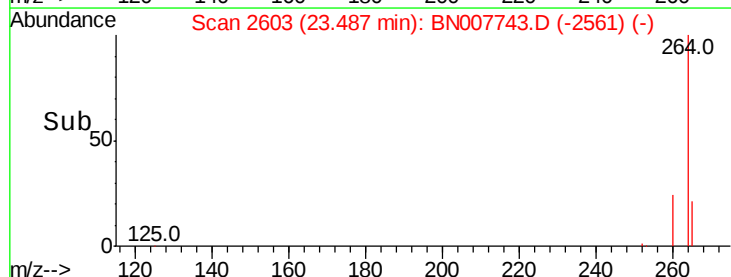
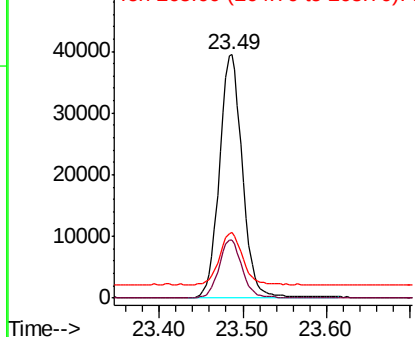


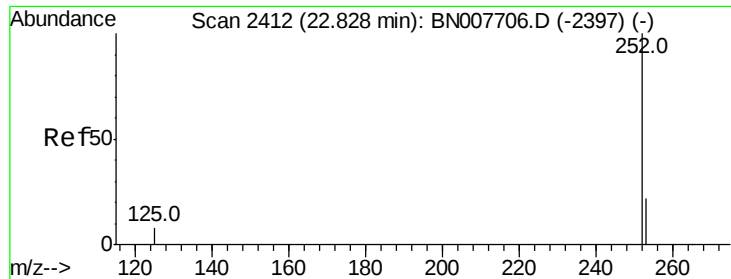
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.49 min Scan# 2603  
 Delta R.T. -0.00 min  
 Lab File: BN007743.D  
 Acq: 19 Sep 2019 16:24

Tgt Ion:264 Resp: 74131  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.3 28.9  
 265 26.9 26.9 40.3#



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





#35

Benzo(b)fluoranthene

Concen: 0.330 ng

RT: 22.82 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

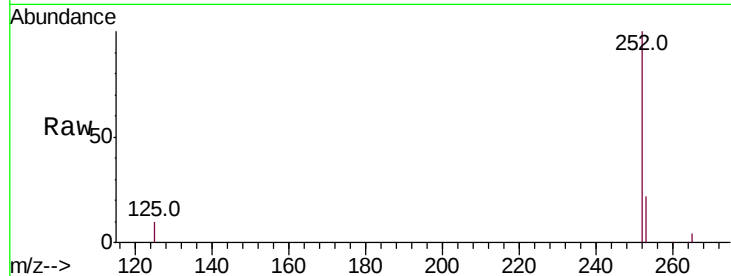
Tot Ion:252 Resp: 84865

Ion Ratio Lower Upper

252 100

253 22.2 18.3 27.5

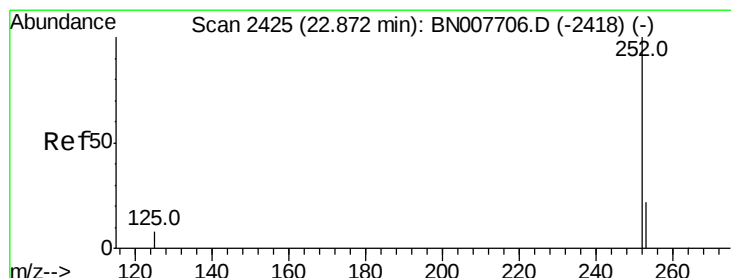
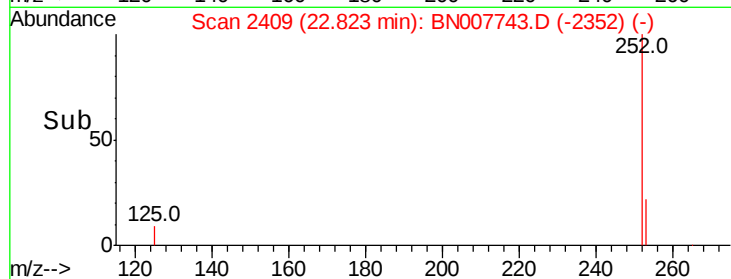
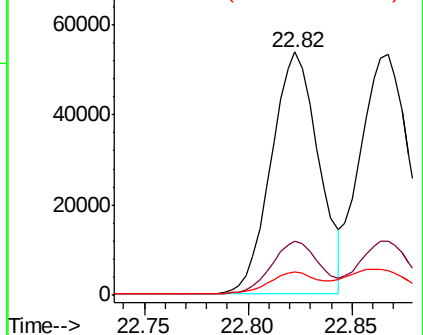
125 9.5 8.2 12.4



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

Benzo(k)fluoranthene

Concen: 0.352 ng

RT: 22.87 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

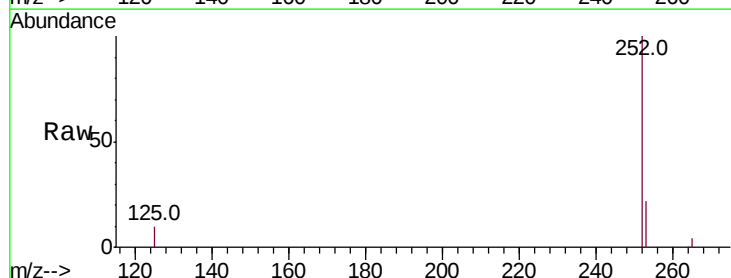
Tgt Ion:252 Resp: 89638

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

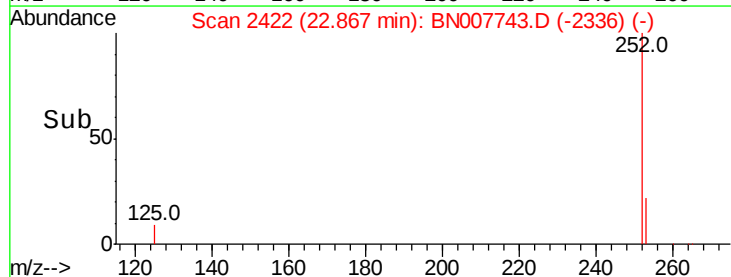
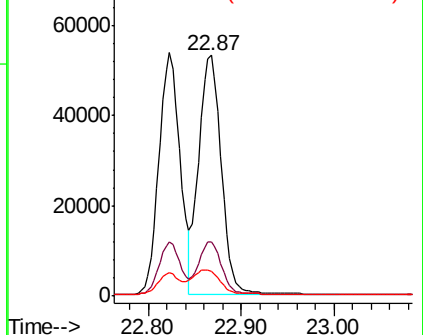
125 10.1 8.4 12.6

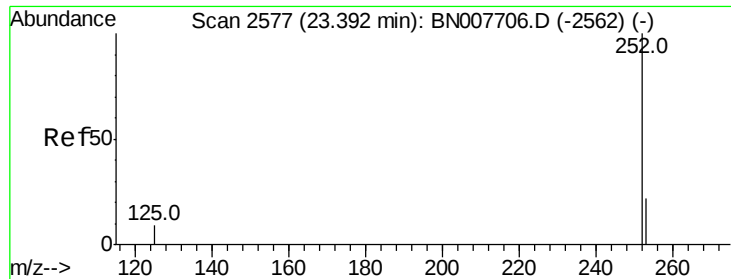


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.318 ng

RT: 23.39 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD

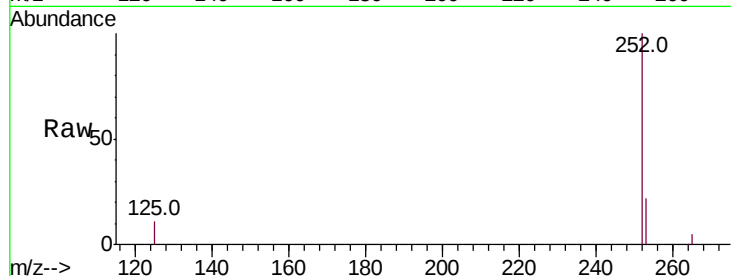
Tot Ion:252 Resp: 76959

Ion Ratio Lower Upper

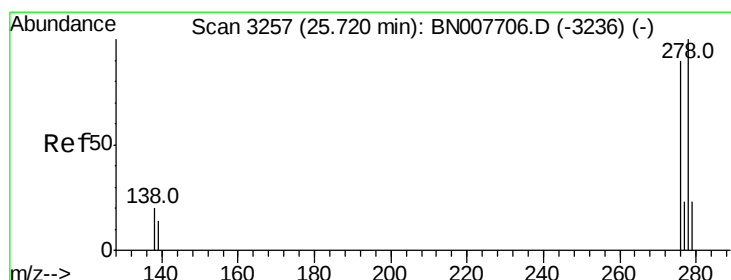
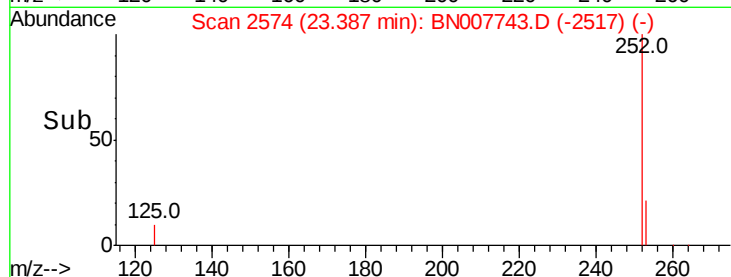
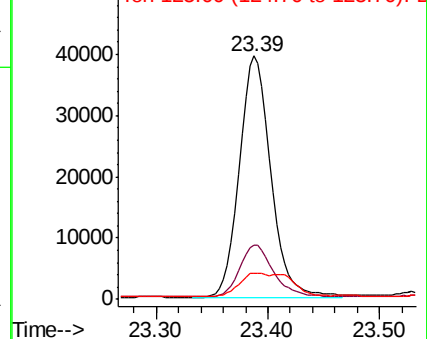
252 100

253 22.3 18.6 27.8

125 10.9 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: 0.339 ng

RT: 25.71 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BN007743.D

Acq: 19 Sep 2019 16:24

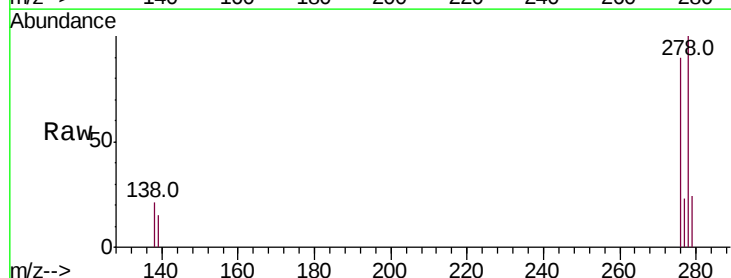
Tgt Ion:278 Resp: 83861

Ion Ratio Lower Upper

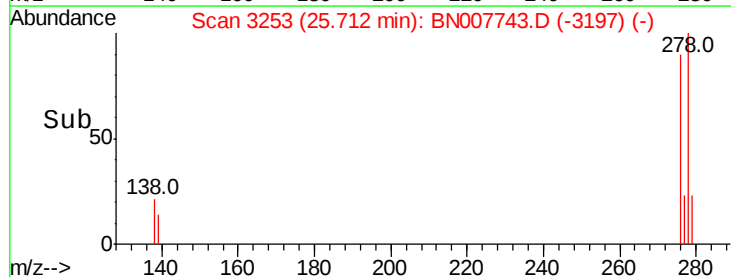
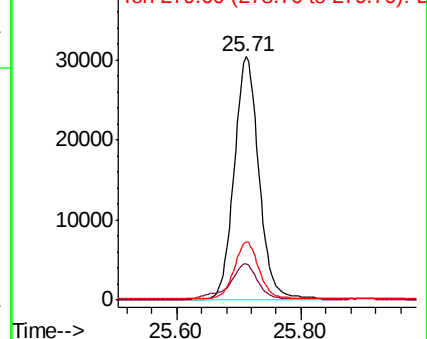
278 100

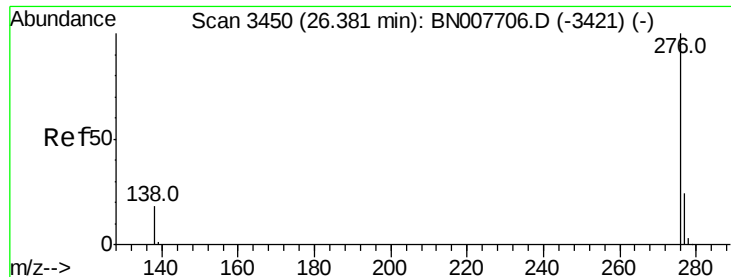
139 14.7 11.8 17.6

279 23.9 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: 0.329 ng

RT: 26.37 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BN007743.D

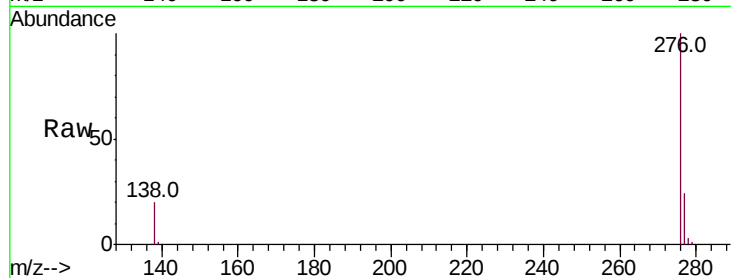
Acq: 19 Sep 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

PB123061BSD



Tot Ion:276 Resp: 80511

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.8

138 19.6 15.1 22.7

