

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN082619\  
 Data File : BN007427.D  
 Acq On : 27 Aug 2019 01:35  
 Operator : HP/JU  
 Sample : PB122552BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122552BS

Quant Time: Aug 27 05:48:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 24 00:38:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 5314     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 20956    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 11442    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.80 | 188  | 22072    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 24804    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.13 | 264  | 27734    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.04  | 112  | 7396     | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 9376     | 0.40 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 7299     | 0.40 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152  | 15167    | 0.44 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330  | 2423     | 0.40 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 17534    | 0.38 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.84 | 212  | 31834    | 0.45 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.47 | 244  | 24468    | 0.38 | ng    | 0.00     |

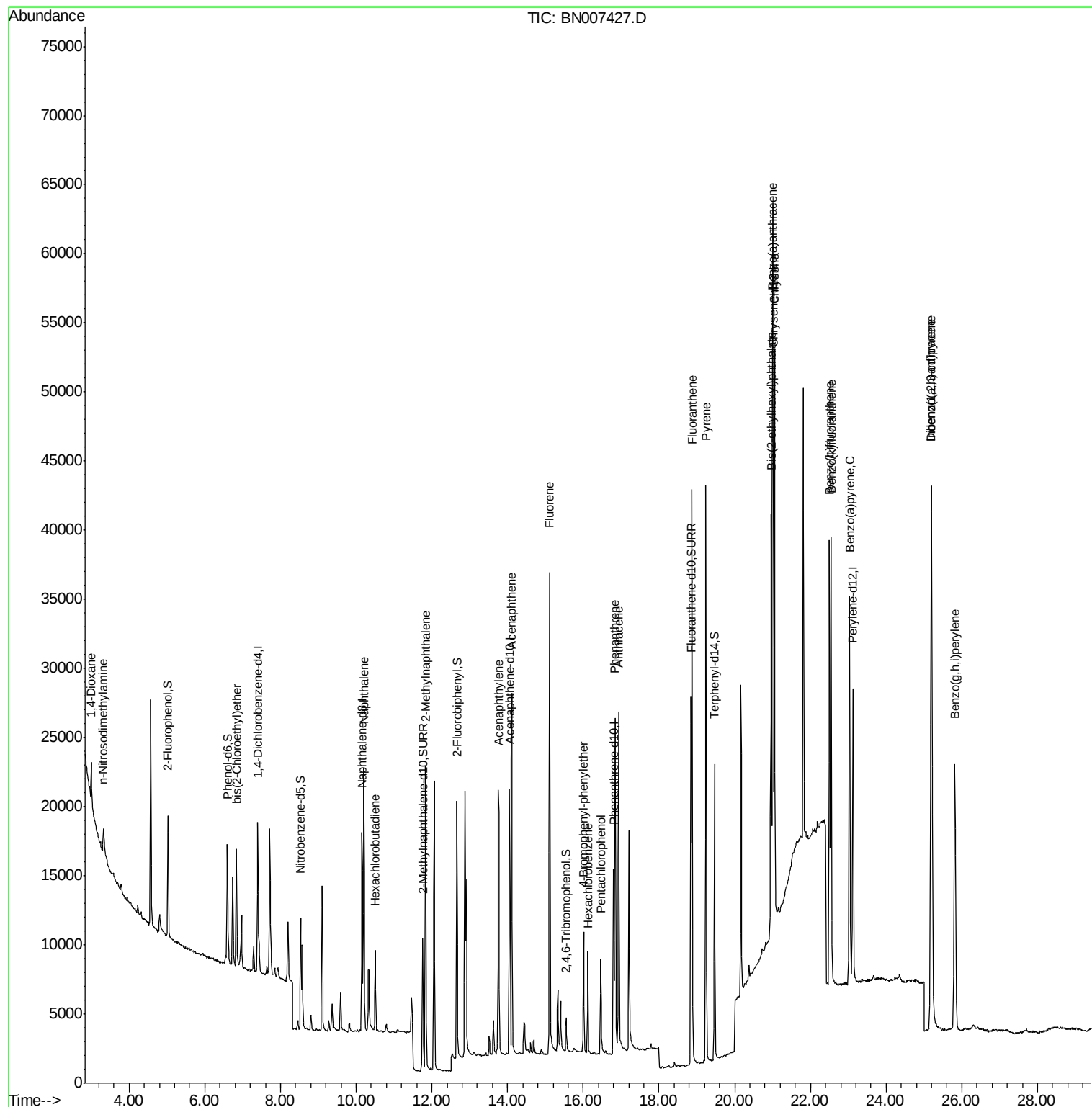
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.01  | 88   | 2468     | 0.280 | ng    | # 95   |
| 3) n-Nitrosodimethylamine      | 3.31  | 42   | 1392     | 0.339 | ng    | # 72   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 7536     | 0.393 | ng    | 95     |
| 9) Naphthalene                 | 10.20 | 128  | 24588    | 0.411 | ng    | # 91   |
| 10) Hexachlorobutadiene        | 10.51 | 225  | 4629     | 0.377 | ng    | # 98   |
| 12) 2-Methylnaphthalene        | 11.83 | 142  | 16313    | 0.400 | ng    | 97     |
| 16) Acenaphthylene             | 13.76 | 152  | 24953    | 0.369 | ng    | 99     |
| 17) Acenaphthene               | 14.11 | 154  | 14617    | 0.369 | ng    | 98     |
| 18) Fluorene                   | 15.10 | 166  | 17923    | 0.358 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 3823     | 0.439 | ng    | 96     |
| 21) Hexachlorobenzene          | 16.12 | 284  | 6295     | 0.426 | ng    | 95     |
| 22) Pentachlorophenol          | 16.46 | 266  | 3973     | 0.864 | ng    | # 63   |
| 23) Phenanthrene               | 16.84 | 178  | 28031    | 0.422 | ng    | 99     |
| 24) Anthracene                 | 16.93 | 178  | 27283    | 0.409 | ng    | 99     |
| 26) Fluoranthene               | 18.87 | 202  | 37897    | 0.445 | ng    | 99     |
| 28) Pyrene                     | 19.24 | 202  | 39250    | 0.393 | ng    | 99     |
| 30) Benzo(a)anthracene         | 21.00 | 228  | 38491    | 0.395 | ng    | 98     |
| 31) Chrysene                   | 21.06 | 228  | 38421    | 0.409 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 23961    | 0.361 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276  | 46121    | 0.407 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 22.51 | 252  | 40299    | 0.401 | ng    | # 95   |
| 36) Benzo(k)fluoranthene       | 22.55 | 252  | 39981    | 0.403 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.03 | 252  | 39306    | 0.411 | ng    | # 95   |
| 38) Dibenzo(a,h)anthracene     | 25.20 | 278  | 37912    | 0.397 | ng    | # 94   |
| 39) Benzo(g,h,i)perylene       | 25.82 | 276  | 39239    | 0.413 | ng    | 97     |

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

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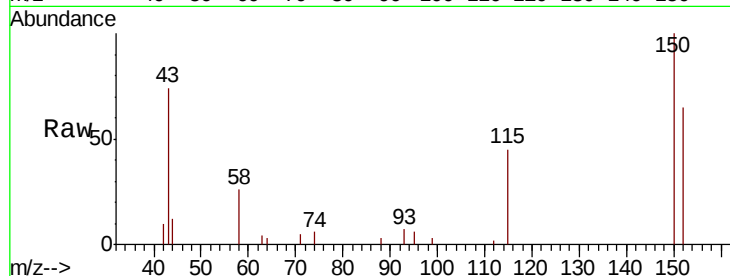


#1

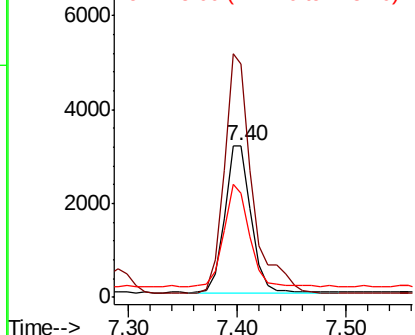
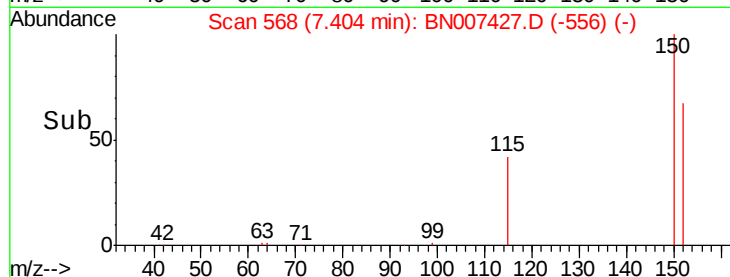
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: BN007427.D  
Acq: 27 Aug 2019 01:35

Instrument :  
BNA\_N  
ClientSampleId :  
PB122552BS

Tgt Ion: 152 Resp: 5314  
Ion Ratio Lower Upper  
152 100  
150 153.3 109.1 163.7  
115 68.6 59.6 89.4



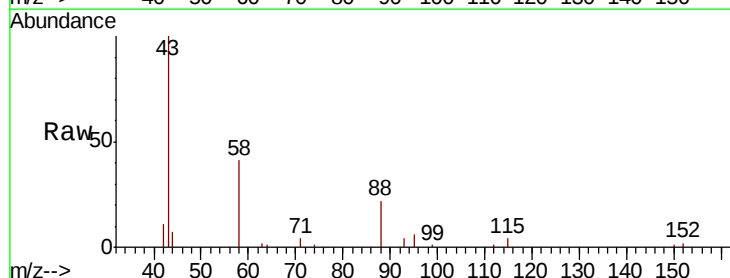
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



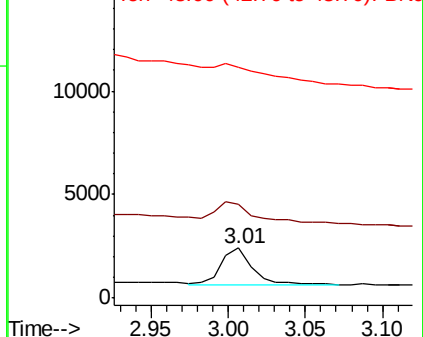
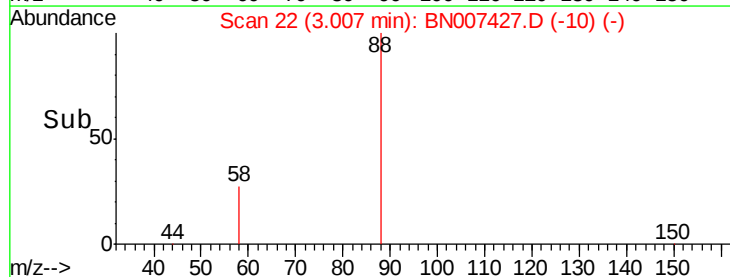
#2

1,4-Dioxane  
Concen: 0.280 ng  
RT: 3.01 min Scan# 22  
Delta R.T. -0.00 min  
Lab File: BN007427.D  
Acq: 27 Aug 2019 01:35

Tgt Ion: 88 Resp: 2468  
Ion Ratio Lower Upper  
88 100  
58 66.8 50.5 75.7  
43 0.0 0.0 0.0



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: 0.339 ng

RT: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

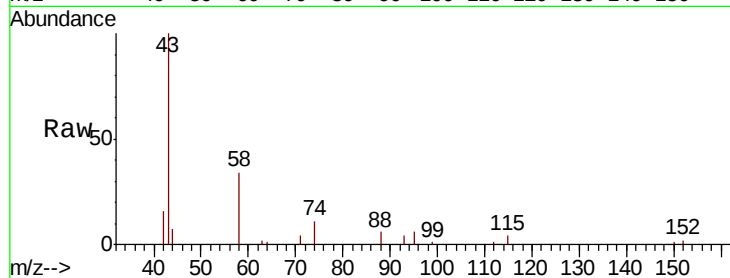
Tgt Ion: 42 Resp: 1392

Ion Ratio Lower Upper

42 100

74 220.8 144.7 217.1#

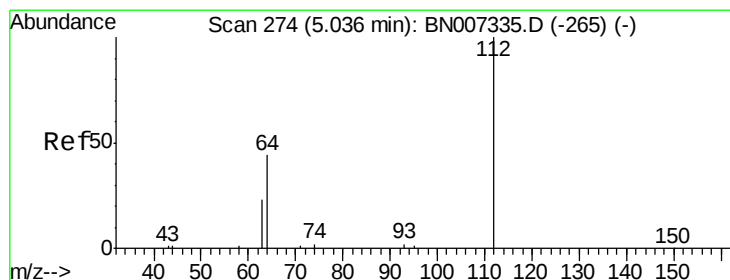
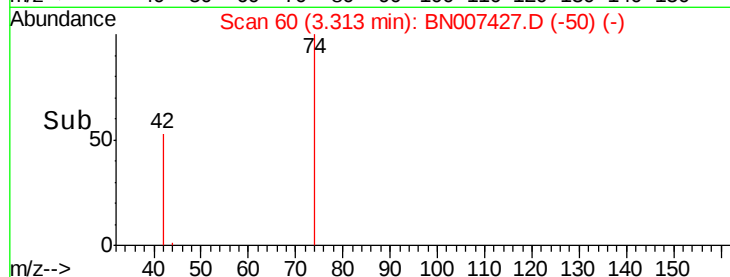
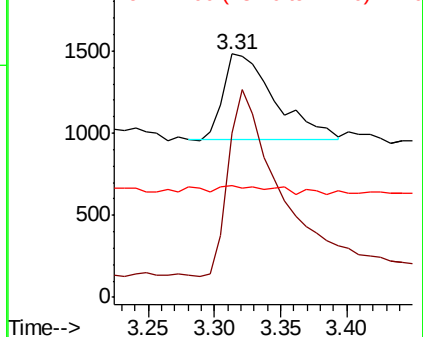
44 9.5 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.401 ng

RT: 5.04 min Scan# 274

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

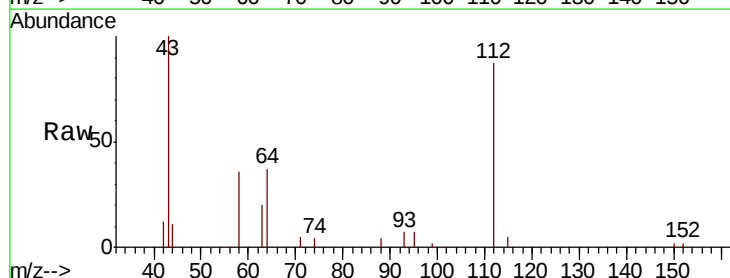
Tgt Ion: 112 Resp: 7396

Ion Ratio Lower Upper

112 100

64 53.4 42.3 63.5

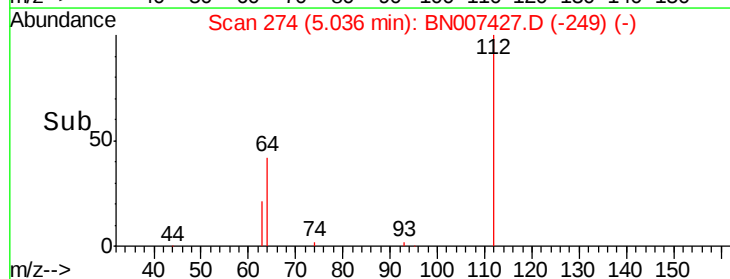
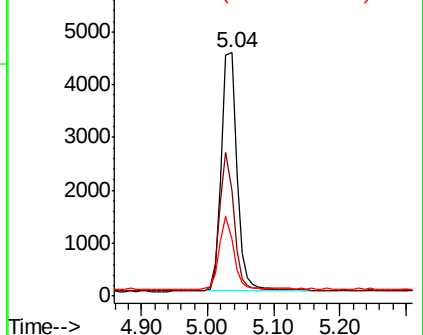
63 27.9 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.400 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

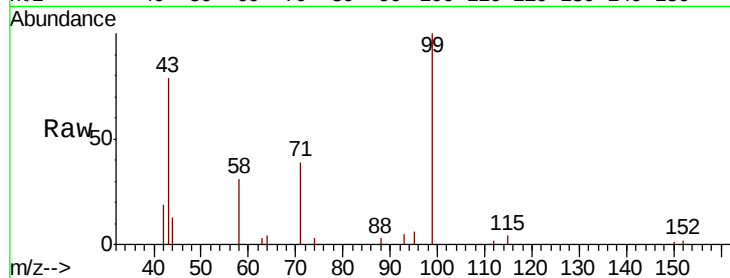
Tgt Ion: 99 Resp: 9376

Ion Ratio Lower Upper

99 100

42 10.6 11.2 16.8#

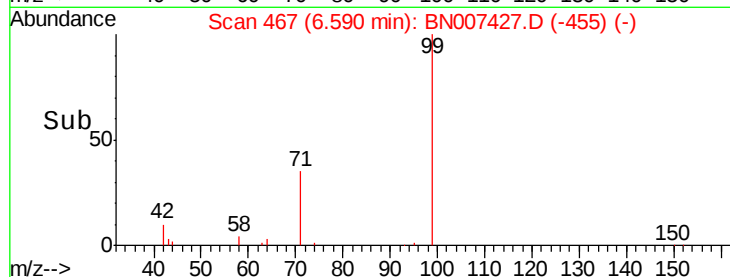
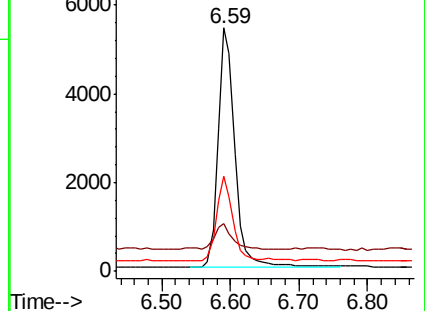
71 34.1 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007427.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007427.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007427.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.393 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

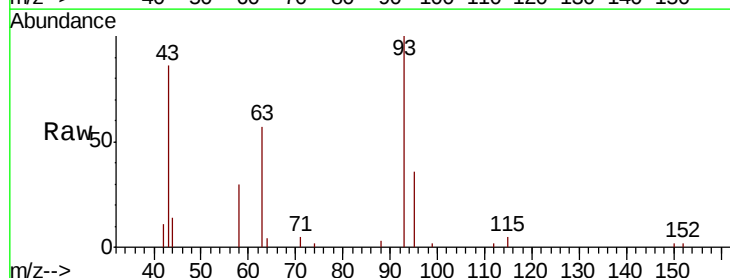
Tgt Ion: 93 Resp: 7536

Ion Ratio Lower Upper

93 100

63 61.2 51.9 77.9

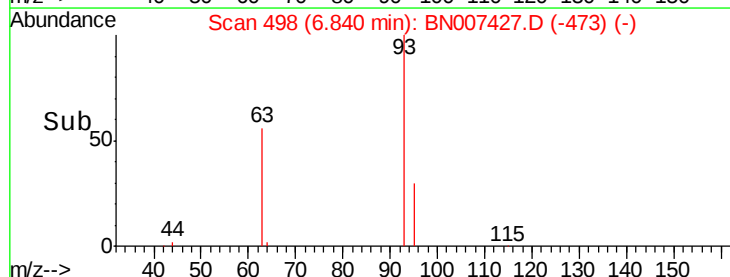
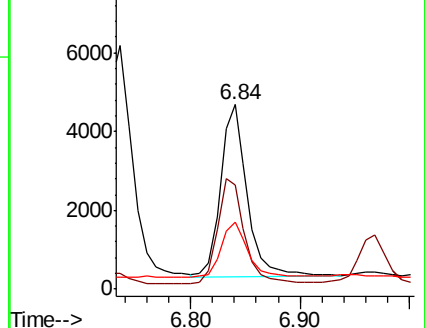
95 31.7 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007427.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007427.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007427.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

Tgt Ion:136 Resp: 20956

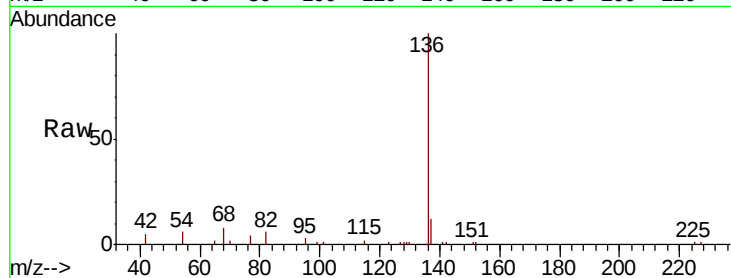
Ion Ratio Lower Upper

136 100

137 11.6 12.9 19.3#

54 6.1 8.6 12.8#

68 8.3 17.0 25.4#

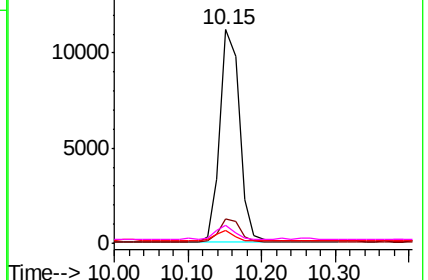
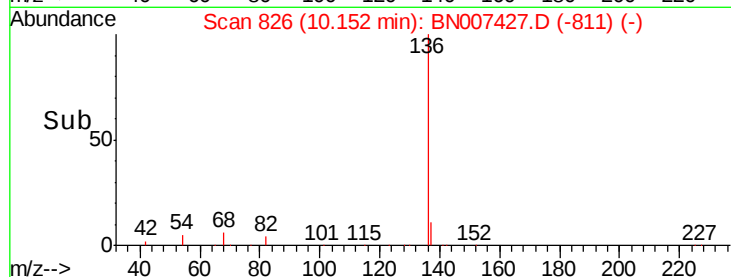


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.400 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

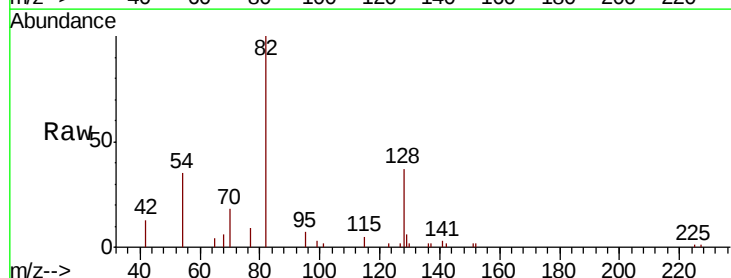
Tgt Ion: 82 Resp: 7299

Ion Ratio Lower Upper

82 100

128 36.9 19.7 29.5#

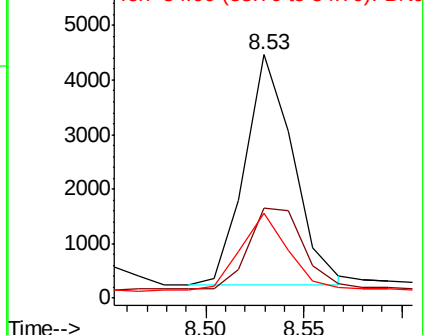
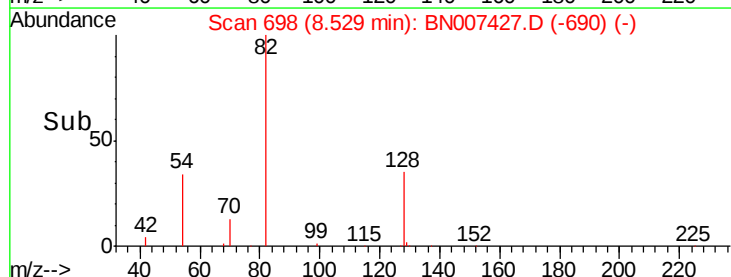
54 35.1 25.8 38.6



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: 0.411 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

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ClientSampleId :

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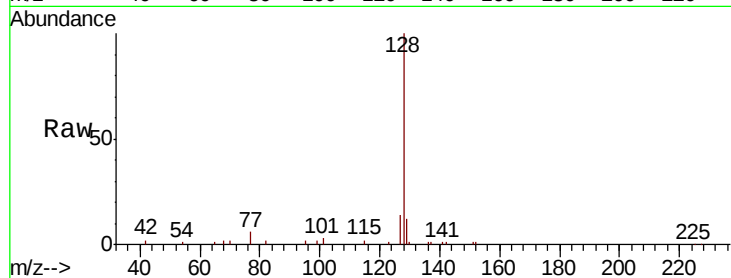
Tgt Ion:128 Resp: 24588

Ion Ratio Lower Upper

128 100

129 11.7 11.1 16.7

127 13.8 15.5 23.3#

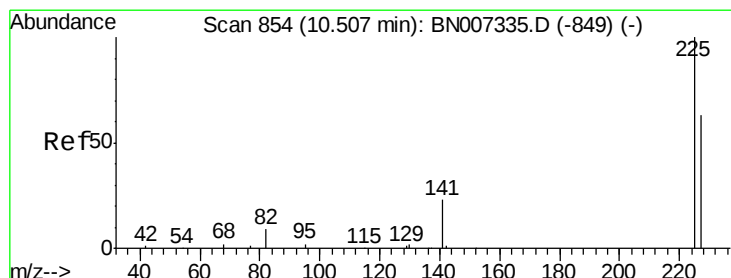
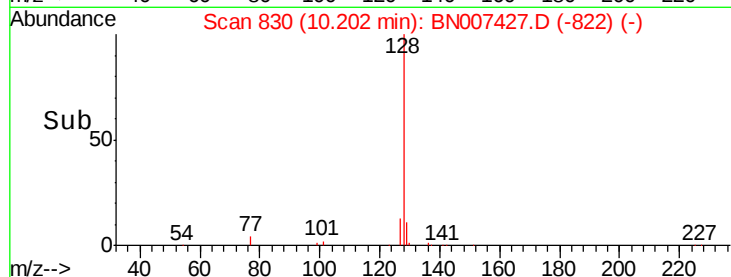
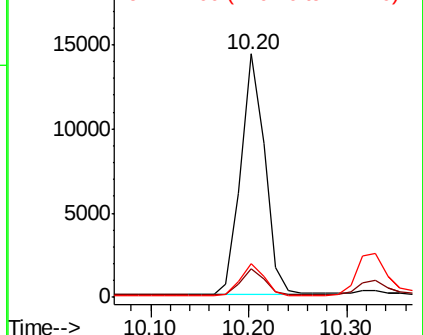


Abundance

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: 0.377 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

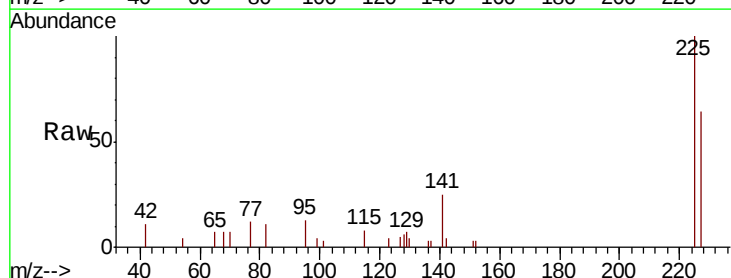
Tgt Ion:225 Resp: 4629

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.8 50.7 76.1

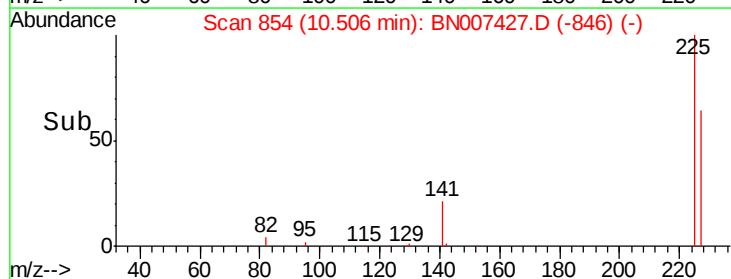
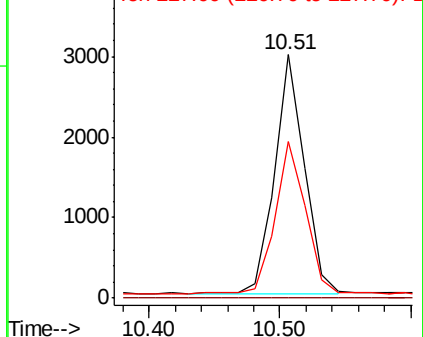


Abundance

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: 0.436 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

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ClientSampleId :

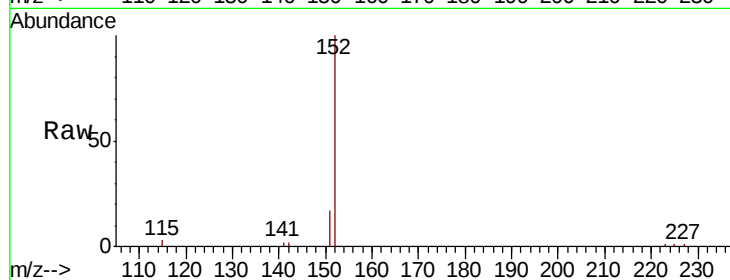
PB122552BS

Tgt Ion:152 Resp: 15167

Ion Ratio Lower Upper

152 100

151 17.9 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

8000

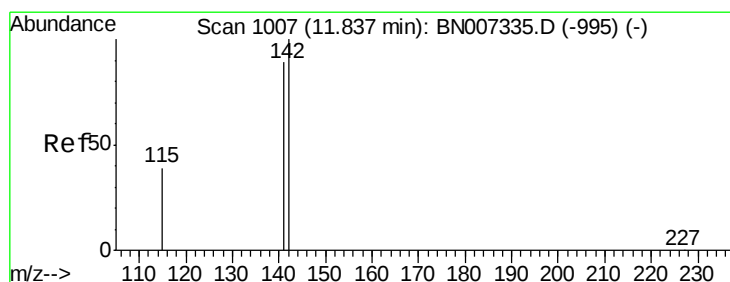
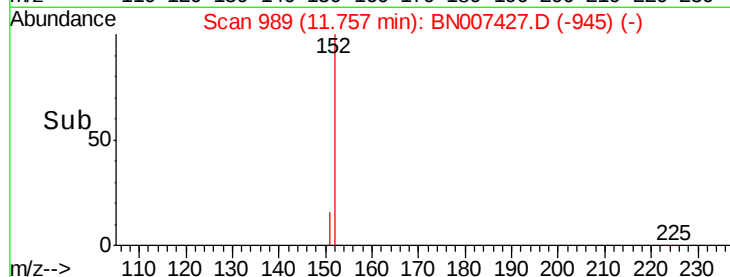
6000

4000

2000

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

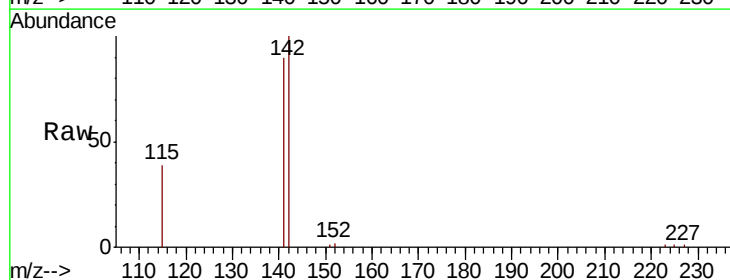
Tgt Ion:142 Resp: 16313

Ion Ratio Lower Upper

142 100

141 89.5 72.8 109.2

115 39.4 35.2 52.8



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

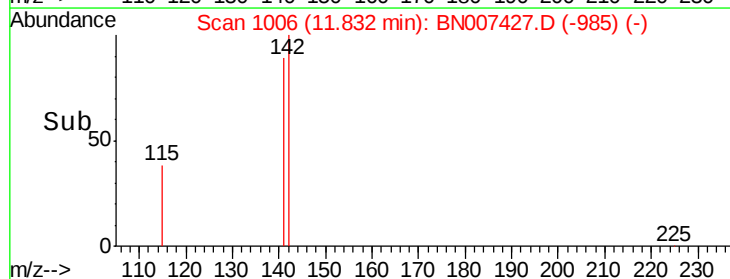
11.83

10000

5000

0

Time--> 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

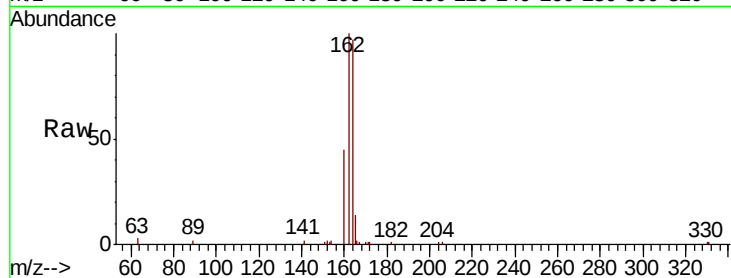
Tgt Ion:164 Resp: 11442

Ion Ratio Lower Upper

164 100

162 102.6 83.5 125.3

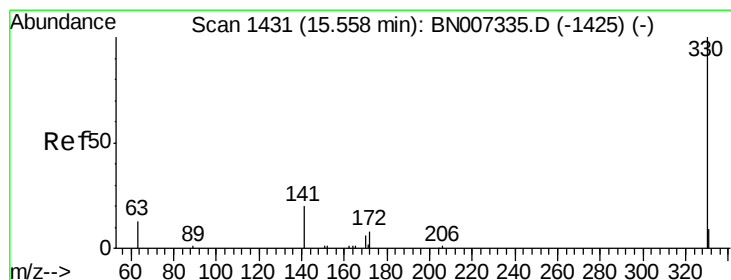
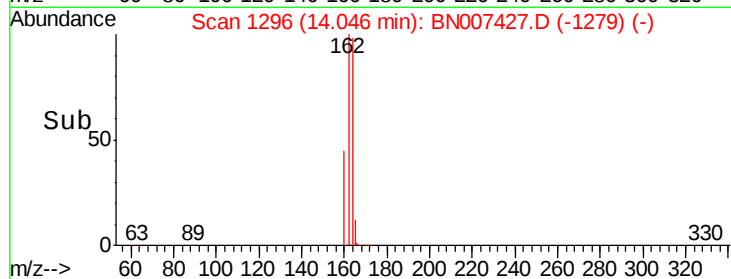
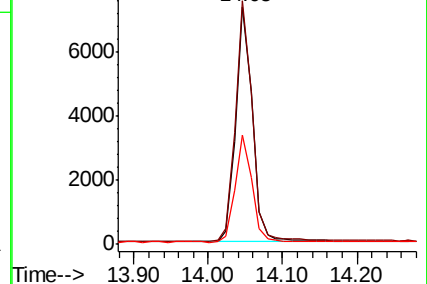
160 46.1 38.2 57.4



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: 0.405 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

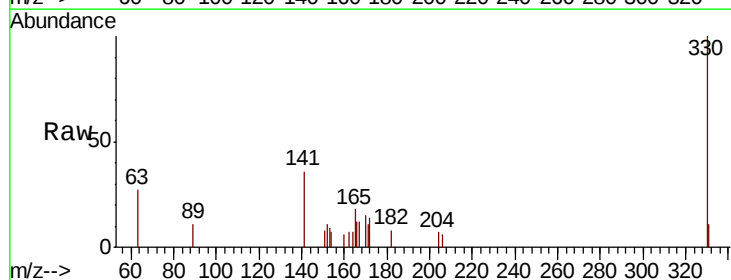
Tgt Ion:330 Resp: 2423

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

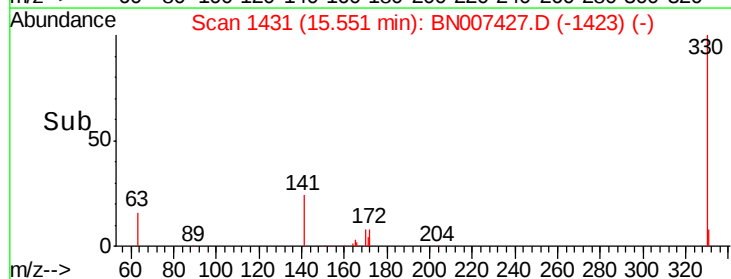
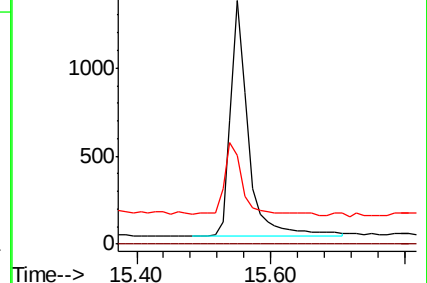
141 34.8 26.9 40.3



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

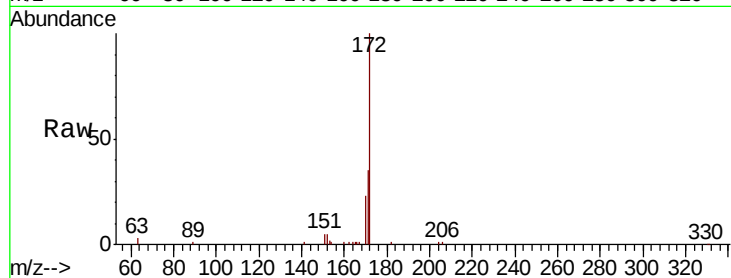




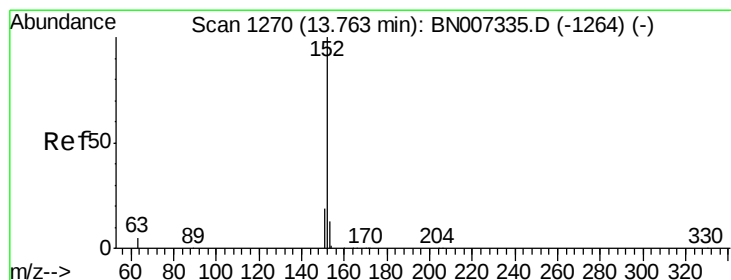
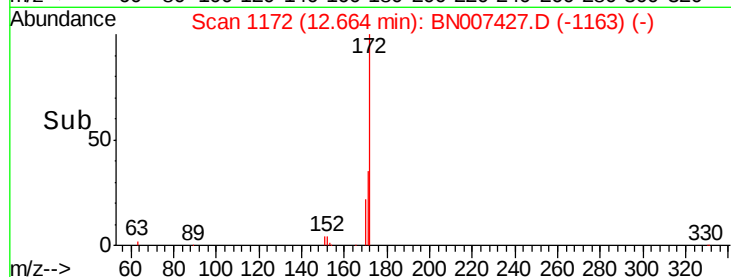
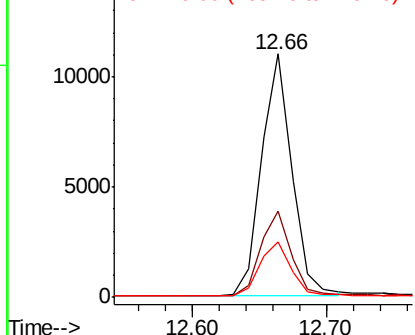
#15  
2-Fluorobiphenyl  
Concen: 0.380 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: BN007427.D  
Acq: 27 Aug 2019 01:35

Instrument :  
BNA\_N  
ClientSampleId :  
PB122552BS

Tgt Ion:172 Resp: 17534  
Ion Ratio Lower Upper  
172 100  
171 35.4 30.3 45.5  
170 22.6 20.7 31.1

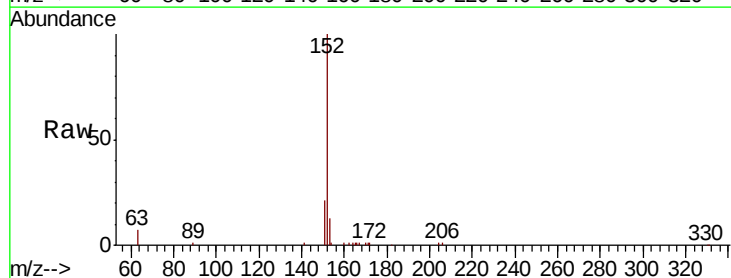


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

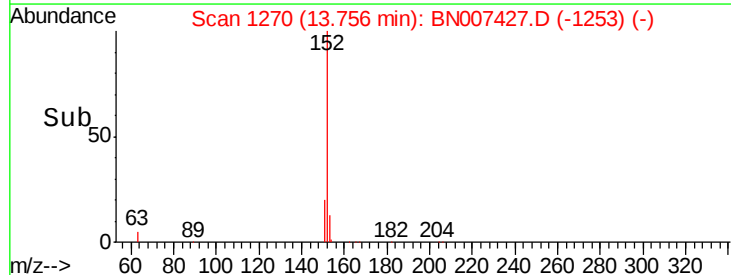
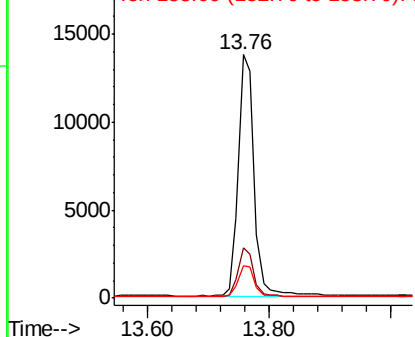


#16  
Acenaphthylene  
Concen: 0.369 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BN007427.D  
Acq: 27 Aug 2019 01:35

Tgt Ion:152 Resp: 24953  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.1 24.1  
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.369 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

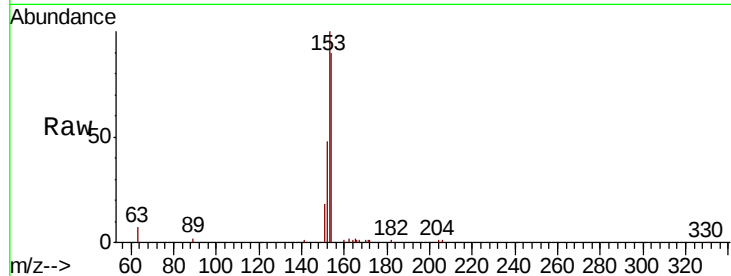
Tgt Ion:154 Resp: 14617

Ion Ratio Lower Upper

154 100

153 114.1 92.8 139.2

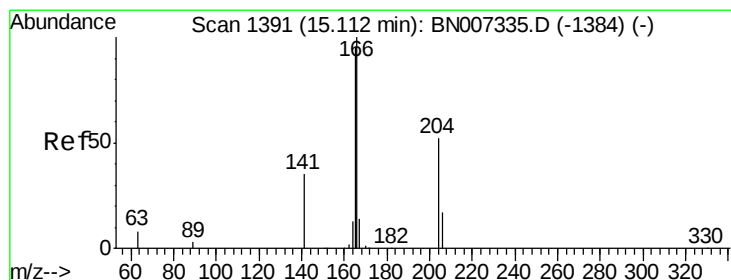
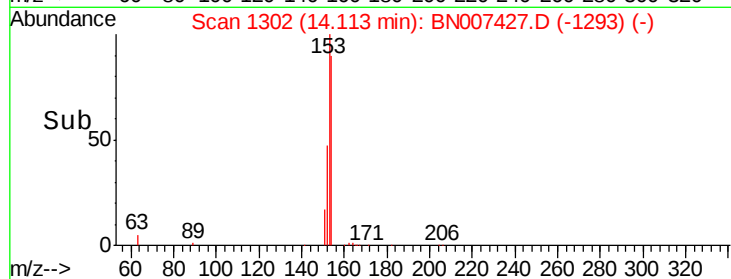
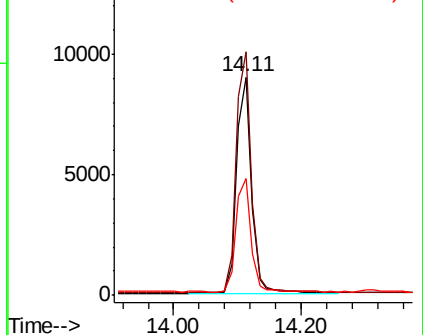
152 54.1 43.8 65.8



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: 0.358 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

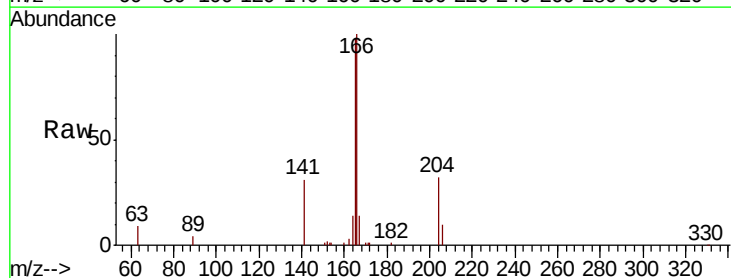
Tgt Ion:166 Resp: 17923

Ion Ratio Lower Upper

166 100

165 97.0 79.0 118.4

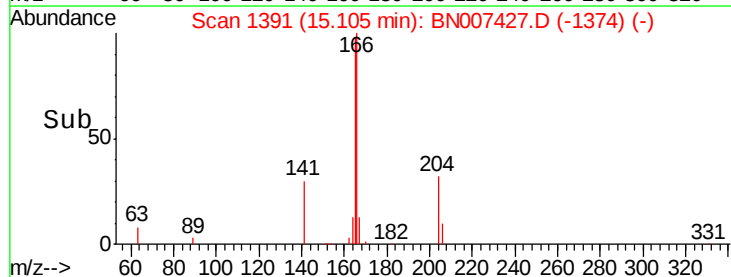
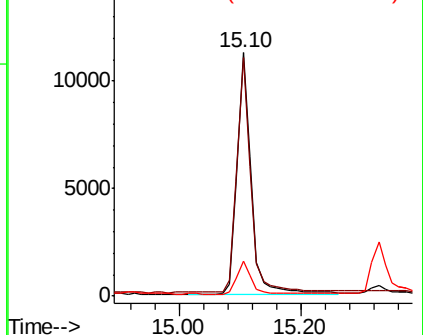
167 13.4 10.6 15.8



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: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

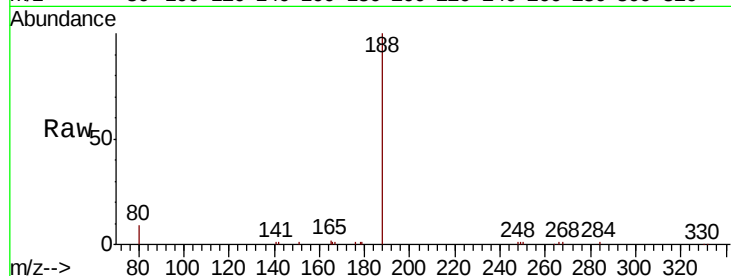
Tgt Ion:188 Resp: 22072

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

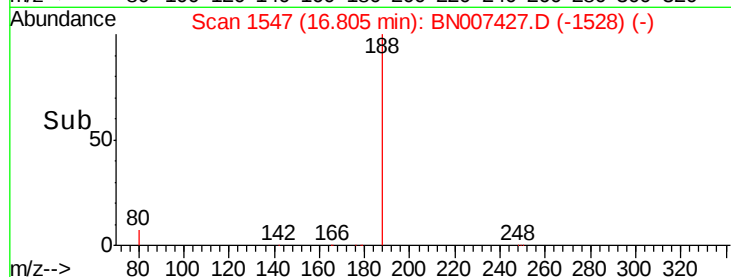
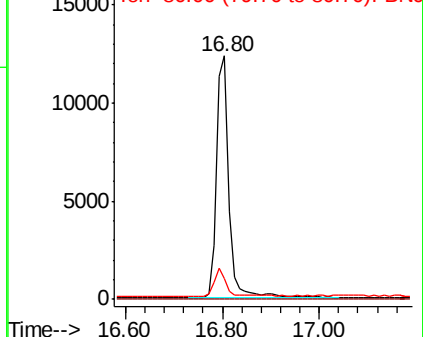
80 8.6 11.8 17.8#



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: 0.439 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

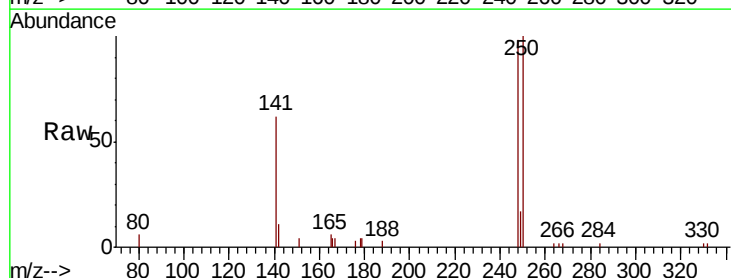
Tgt Ion:248 Resp: 3823

Ion Ratio Lower Upper

248 100

250 101.5 85.0 127.6

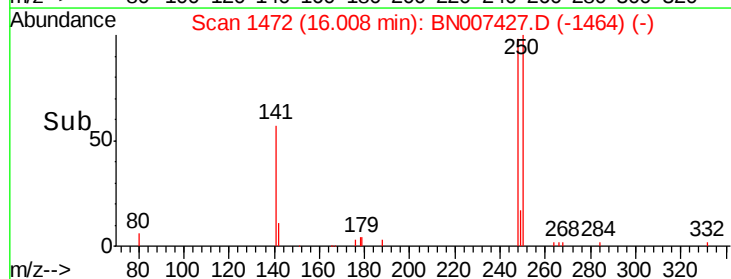
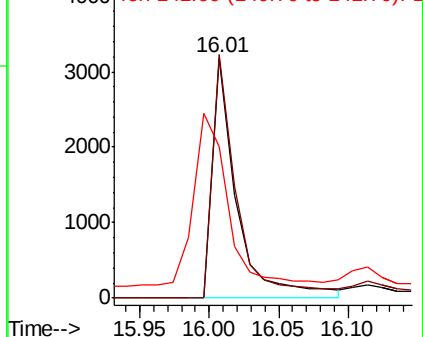
141 63.2 51.7 77.5



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: 0.426 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

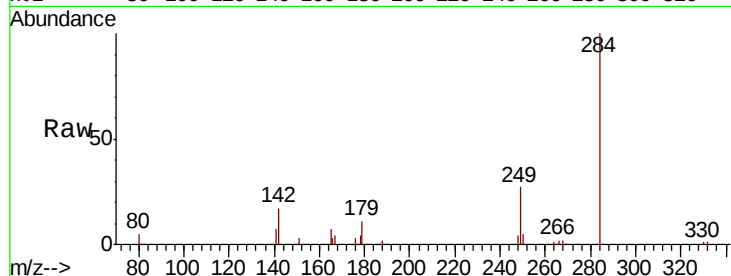
Tgt Ion:284 Resp: 6295

Ion Ratio Lower Upper

284 100

142 32.0 29.0 43.6

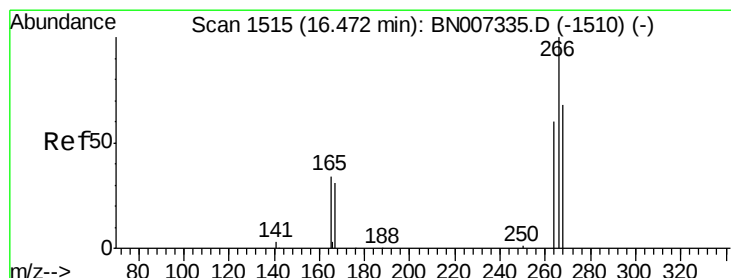
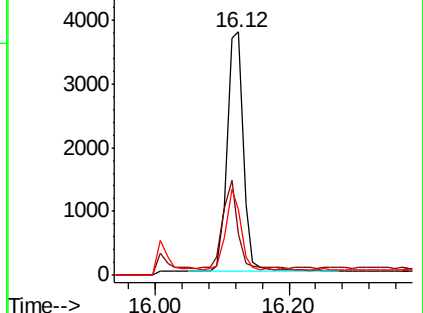
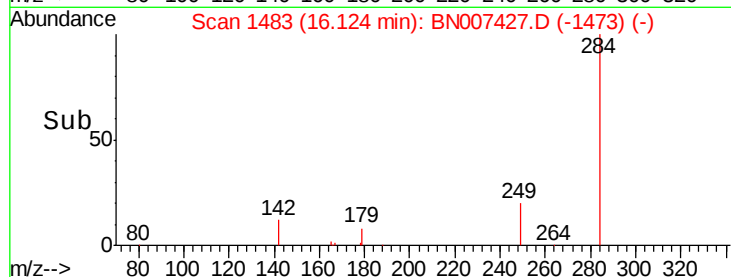
249 29.9 24.9 37.3



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: 0.864 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

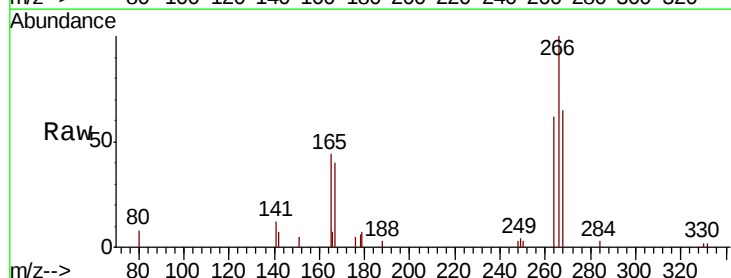
Tgt Ion:266 Resp: 3973

Ion Ratio Lower Upper

266 100

264 62.2 57.8 86.8

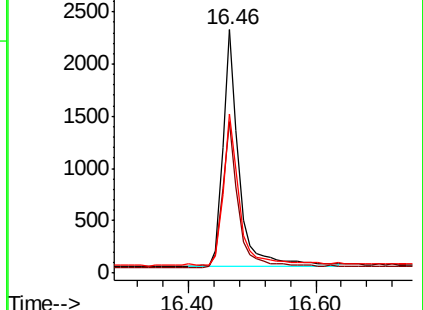
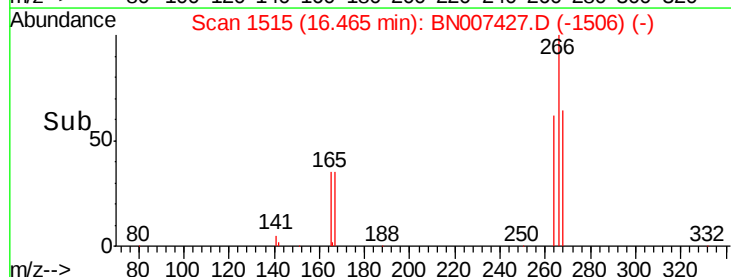
268 65.4 99.7 149.5#

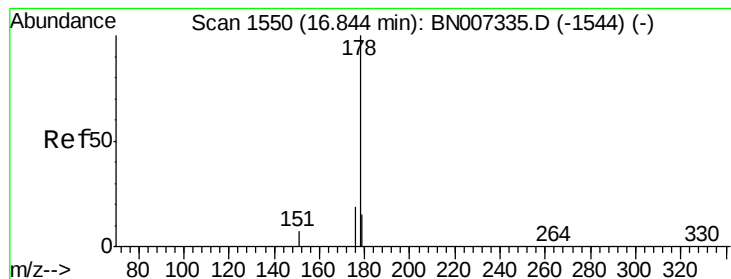


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.422 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

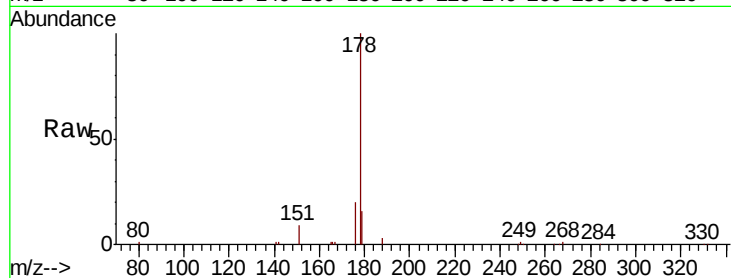
Tgt Ion:178 Resp: 28031

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

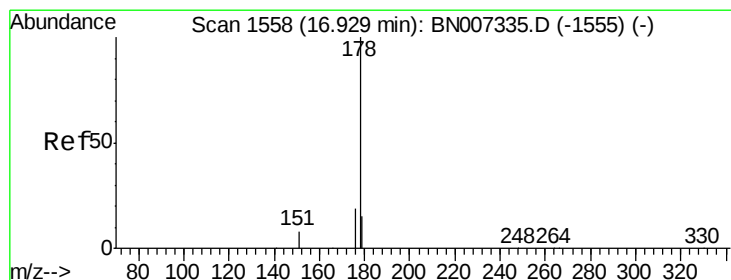
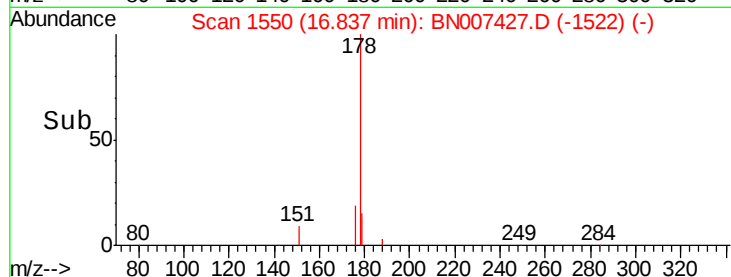
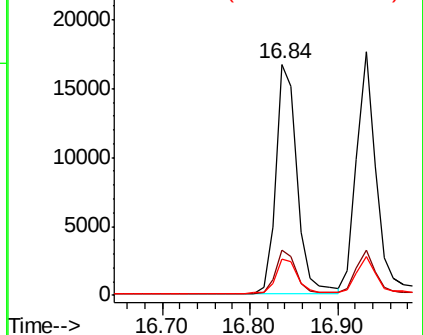
179 15.3 12.6 19.0



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: 0.409 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

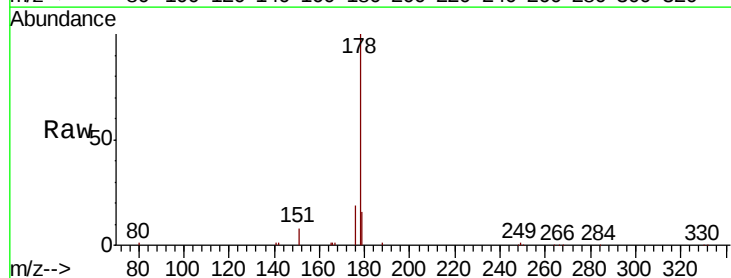
Tgt Ion:178 Resp: 27283

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

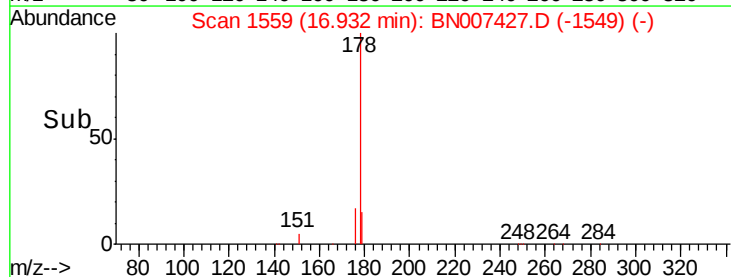
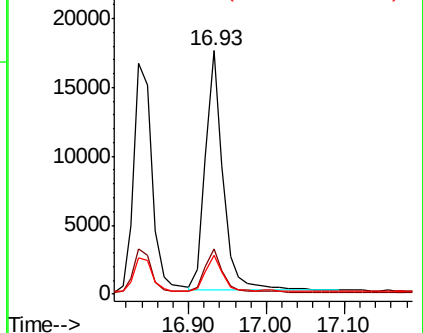
179 15.0 12.4 18.6

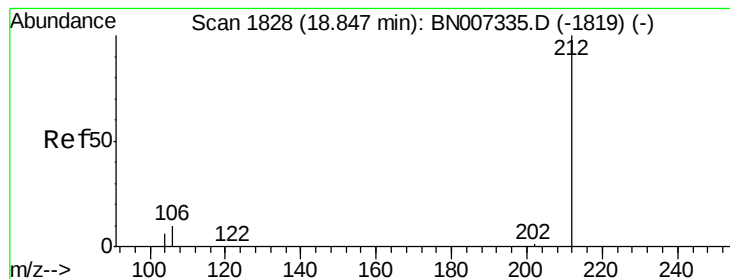


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.448 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

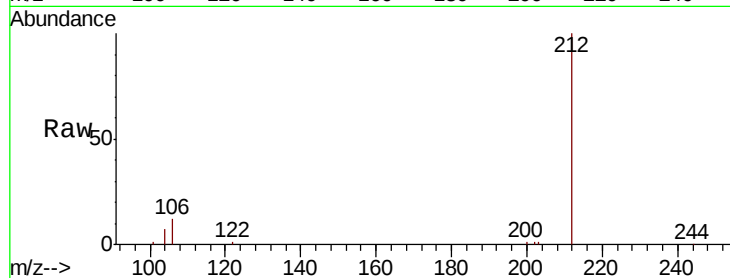
Tgt Ion:212 Resp: 31834

Ion Ratio Lower Upper

212 100

106 11.8 9.0 13.4

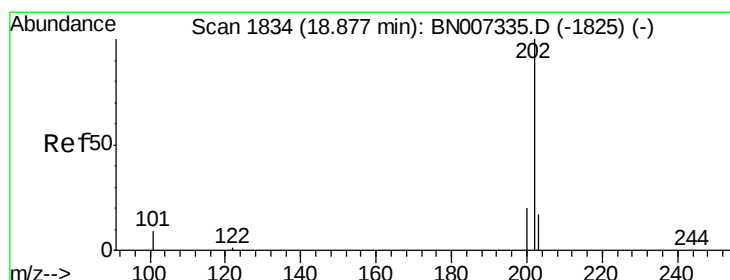
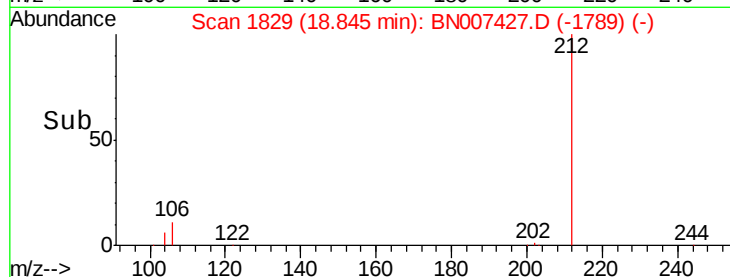
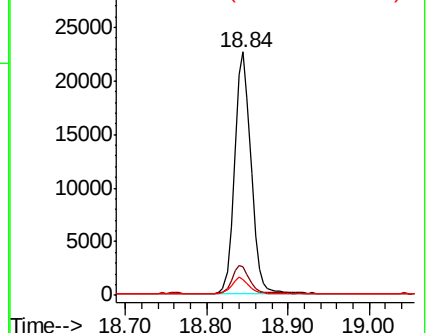
104 6.8 5.4 8.2



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: 0.445 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

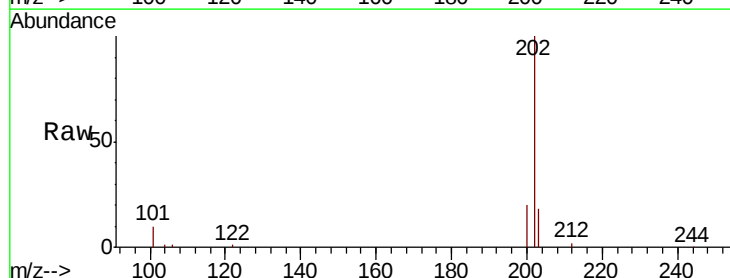
Tgt Ion:202 Resp: 37897

Ion Ratio Lower Upper

202 100

101 10.1 7.7 11.5

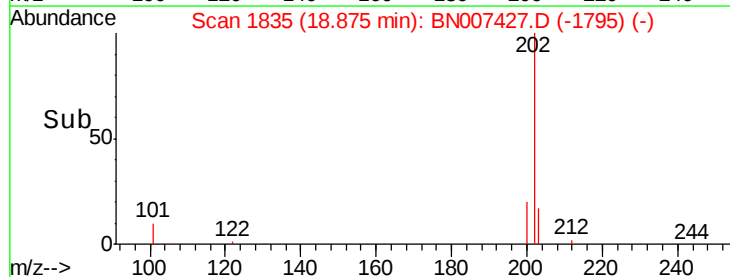
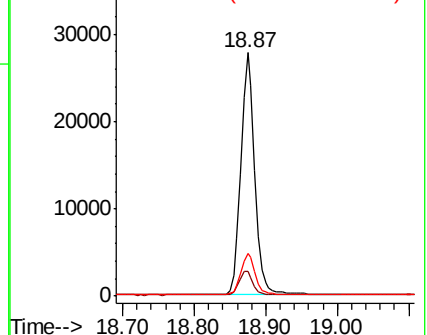
203 17.1 13.7 20.5

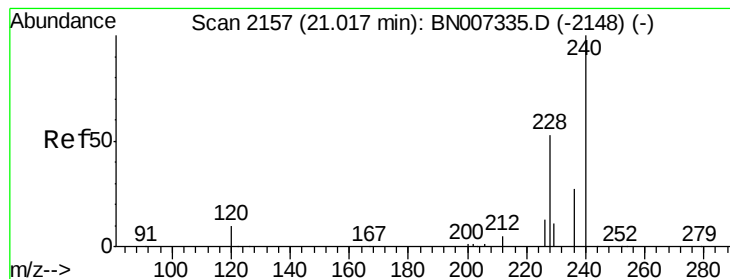


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

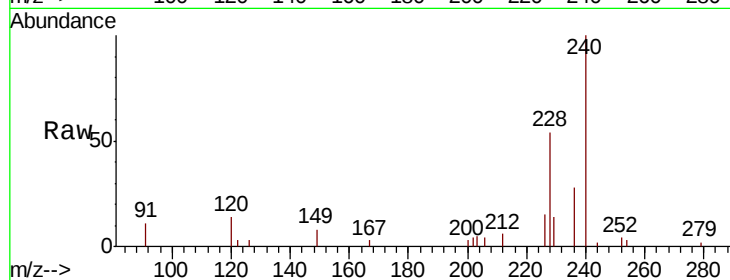
Tgt Ion:240 Resp: 24804

Ion Ratio Lower Upper

240 100

120 13.7 9.6 14.4

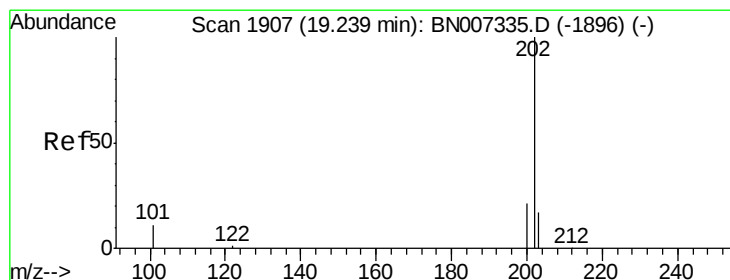
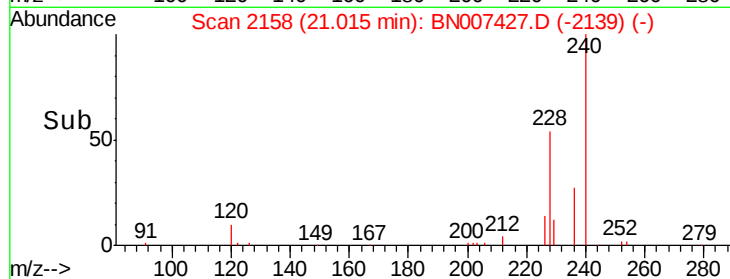
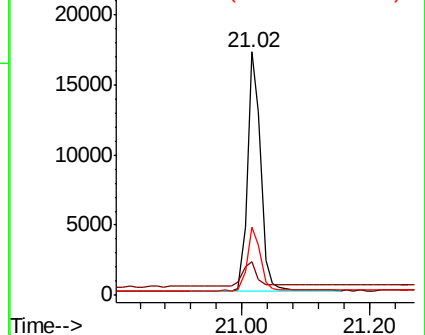
236 28.3 22.2 33.2



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: 0.393 ng

RT: 19.24 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

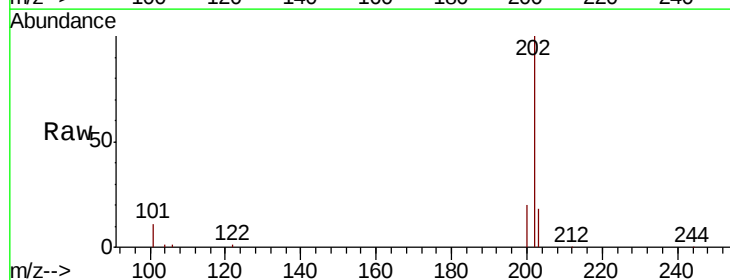
Tgt Ion:202 Resp: 39250

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

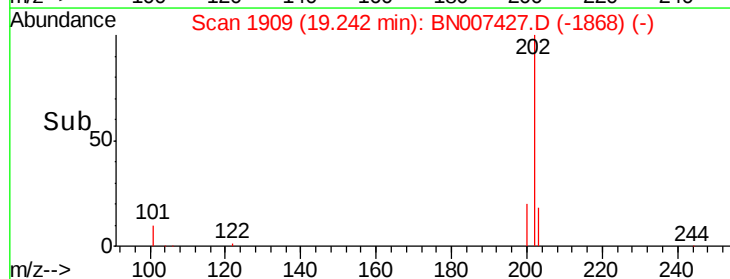
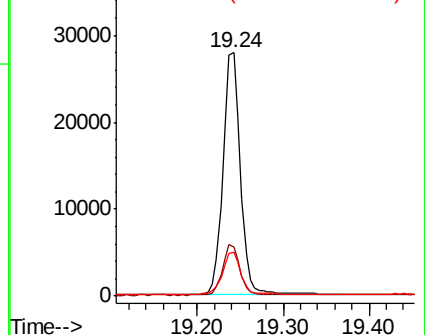
203 18.2 14.2 21.4



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: 0.377 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

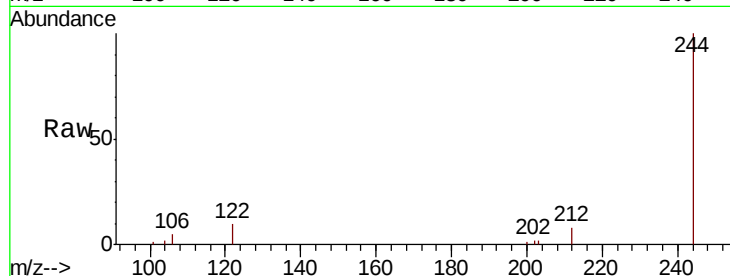
Tgt Ion:244 Resp: 24468

Ion Ratio Lower Upper

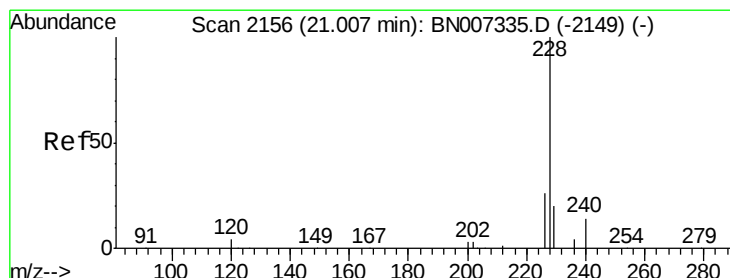
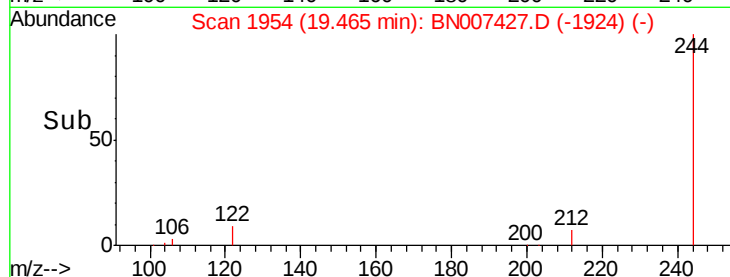
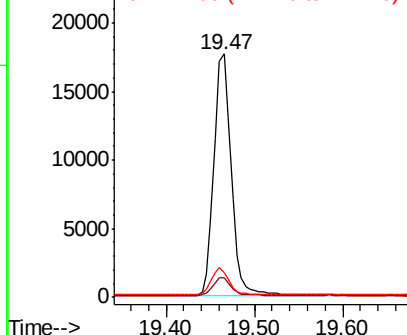
244 100

212 8.1 7.0 10.6

122 10.4 9.6 14.4



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: 0.395 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

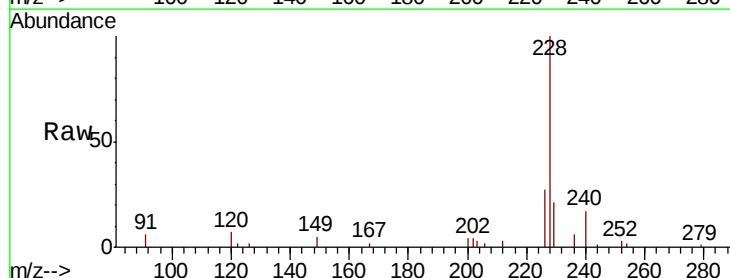
Tgt Ion:228 Resp: 38491

Ion Ratio Lower Upper

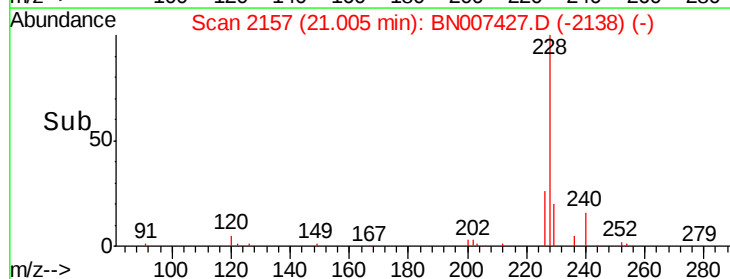
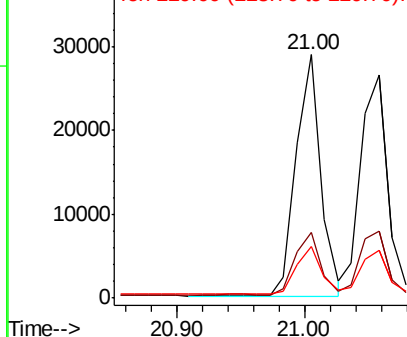
228 100

226 27.0 21.3 31.9

229 21.3 16.1 24.1



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: 0.409 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

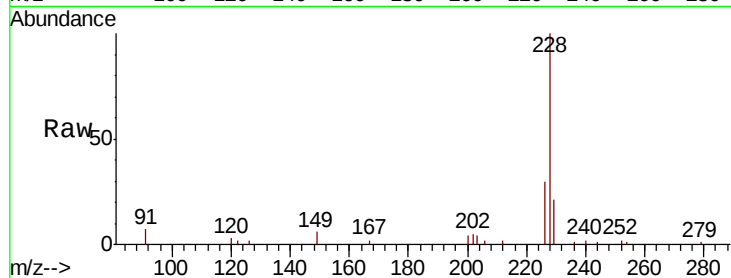
Tgt Ion:228 Resp: 38421

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

229 21.4 16.6 24.8

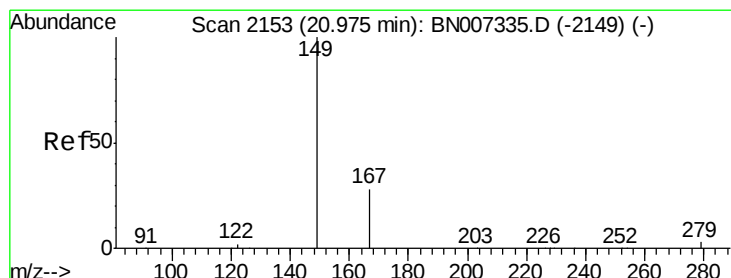
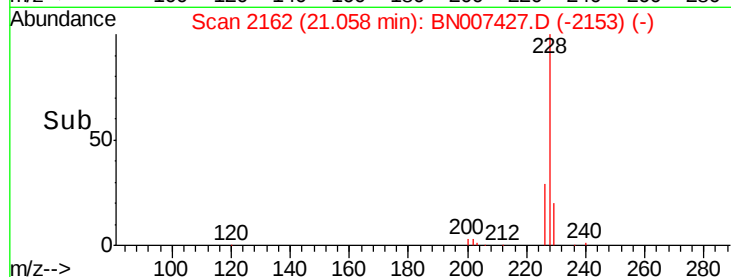
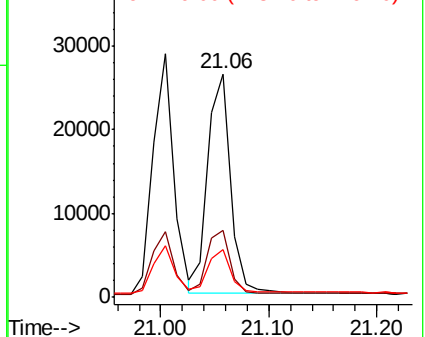


Abundance

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: 0.361 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

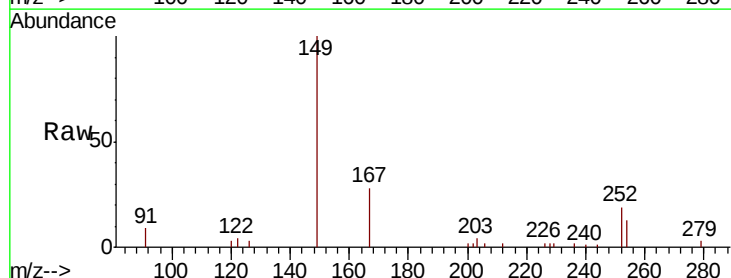
Tgt Ion:149 Resp: 23961

Ion Ratio Lower Upper

149 100

167 27.7 22.8 34.2

279 5.0 3.5 5.3

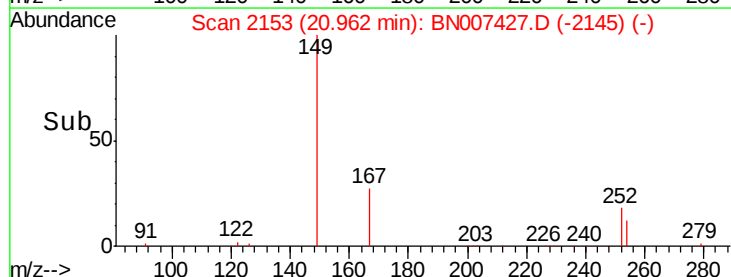
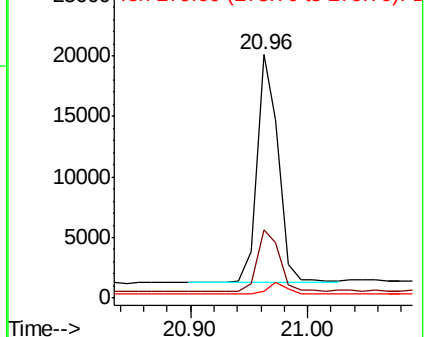


Abundance

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: 0.407 ng

RT: 25.19 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

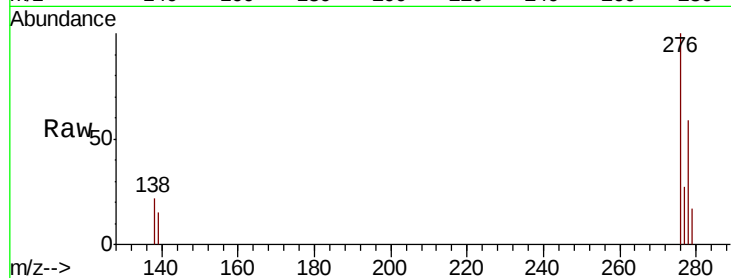
Tgt Ion:276 Resp: 46121

Ion Ratio Lower Upper

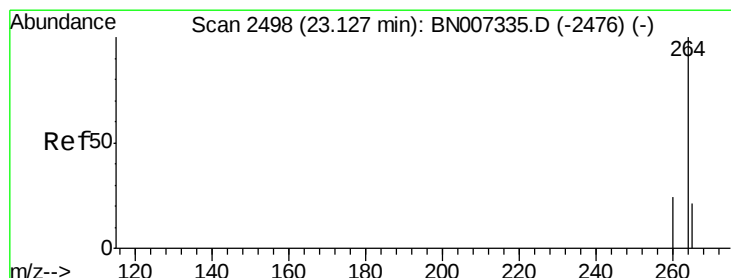
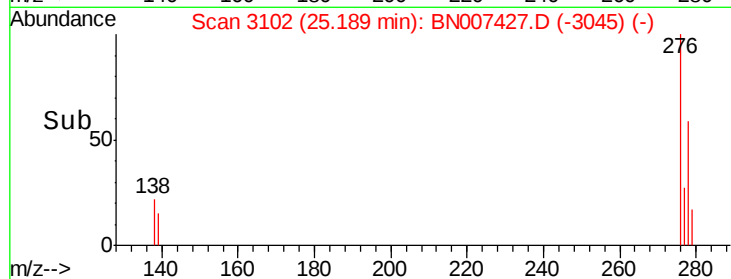
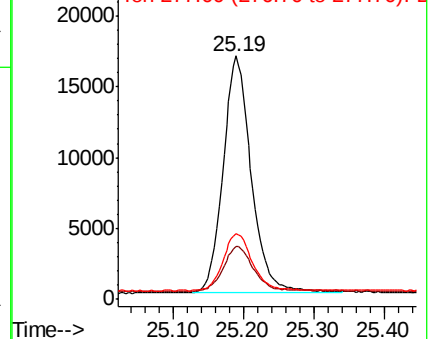
276 100

138 18.4 15.1 22.7

277 24.2 19.7 29.5



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: 23.13 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

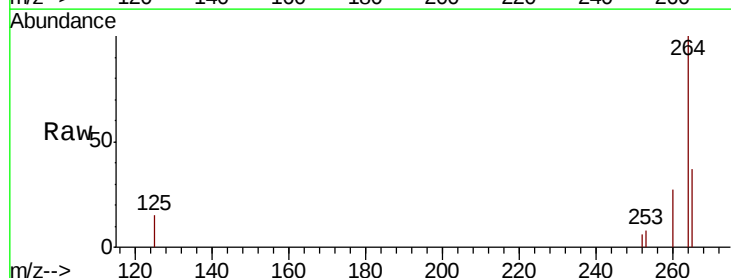
Tgt Ion:264 Resp: 27734

Ion Ratio Lower Upper

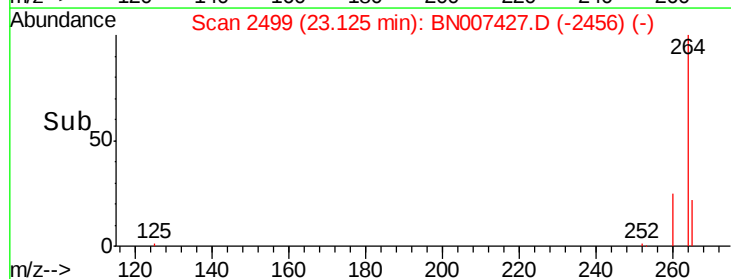
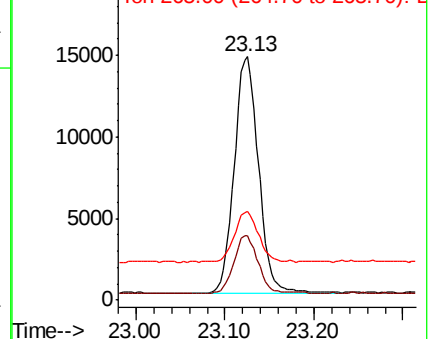
264 100

260 26.6 19.7 29.5

265 36.7 29.9 44.9



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: 0.401 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

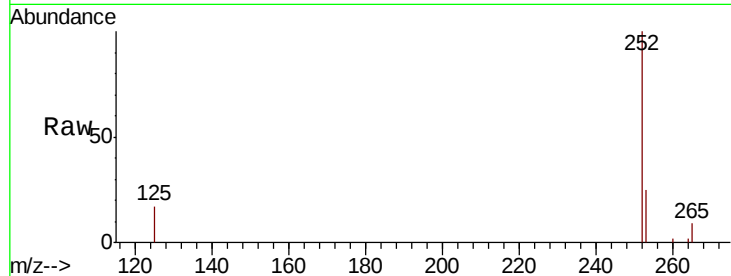
Tgt Ion:252 Resp: 40299

Ion Ratio Lower Upper

252 100

253 25.4 19.2 28.8

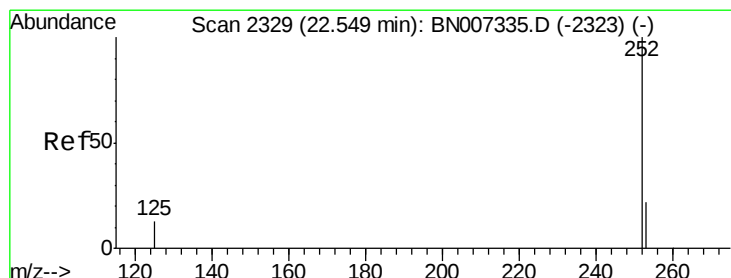
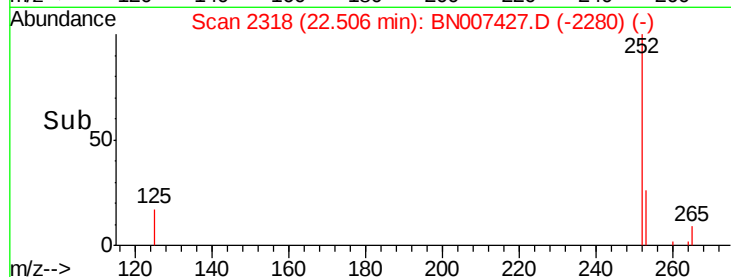
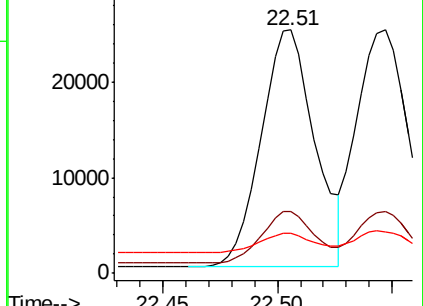
125 16.5 10.6 16.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.403 ng

RT: 22.55 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

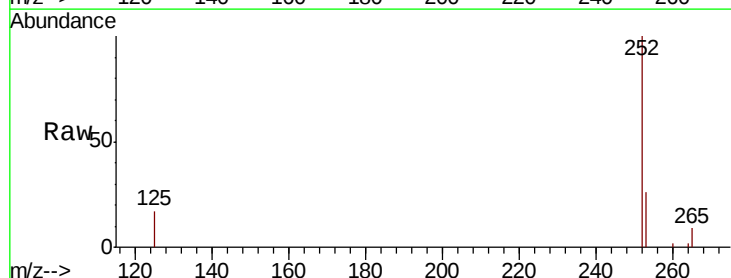
Tgt Ion:252 Resp: 39981

Ion Ratio Lower Upper

252 100

253 25.6 19.4 29.2

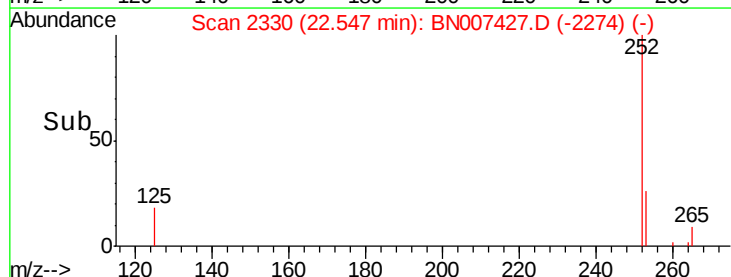
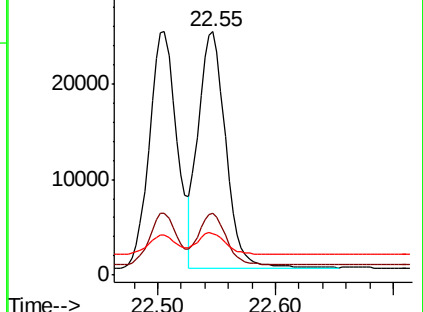
125 17.2 13.1 19.7



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: 0.411 ng

RT: 23.03 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS

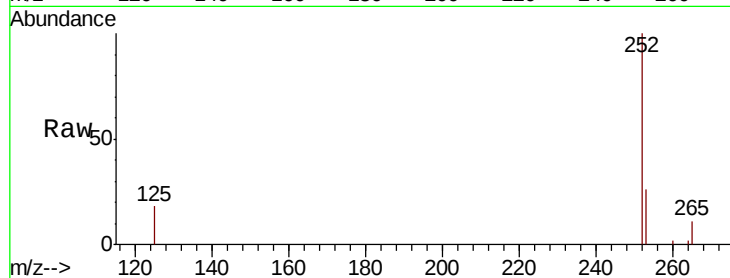
Tgt Ion:252 Resp: 39306

Ion Ratio Lower Upper

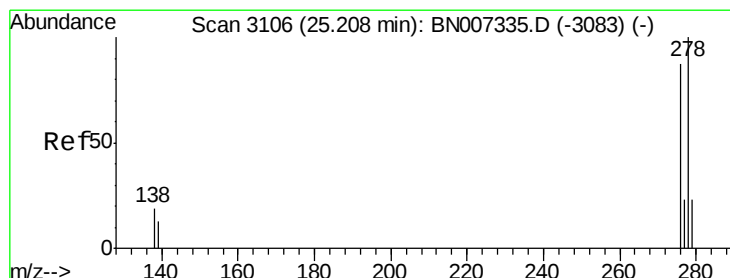
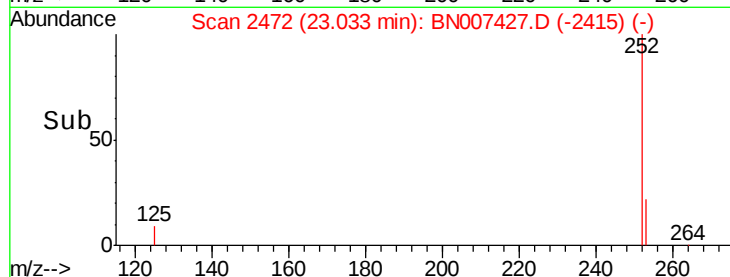
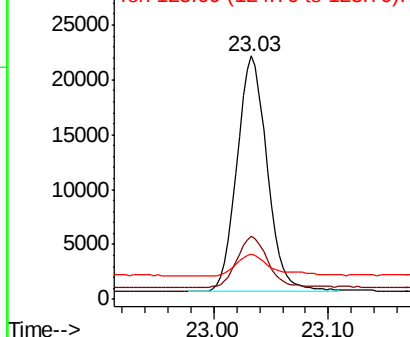
252 100

253 25.9 19.5 29.3

125 18.5 12.1 18.1#



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: 0.397 ng

RT: 25.20 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN007427.D

Acq: 27 Aug 2019 01:35

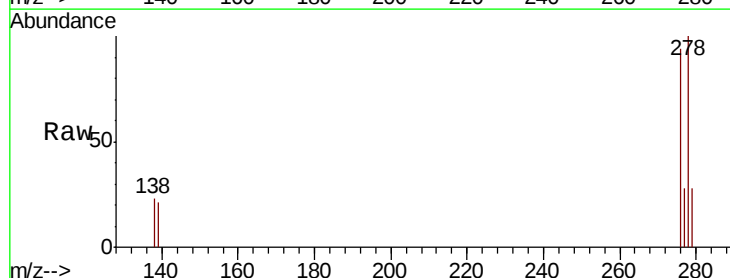
Tgt Ion:278 Resp: 37912

Ion Ratio Lower Upper

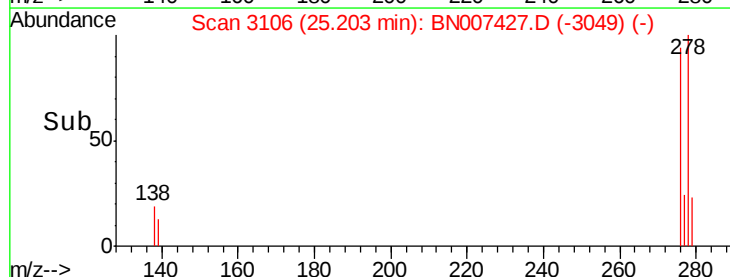
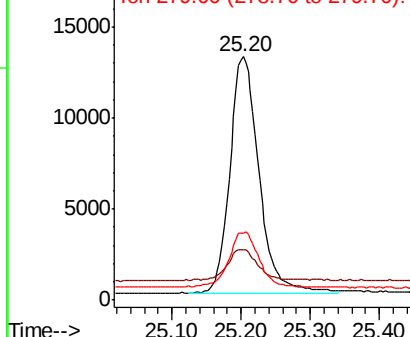
278 100

139 20.8 13.7 20.5#

279 27.7 20.2 30.4



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(g,h,i)perylene

Concen: 0.413 ng

RT: 25.82 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BN007427.D

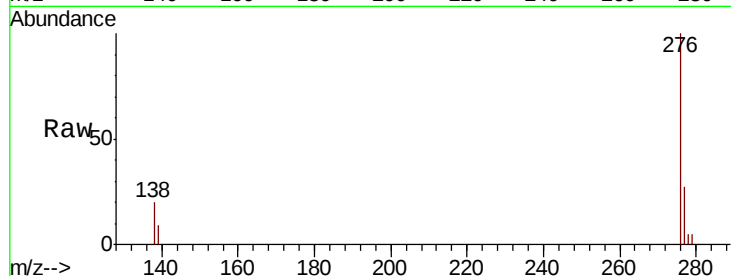
Acq: 27 Aug 2019 01:35

Instrument :

BNA\_N

ClientSampleId :

PB122552BS



Tgt Ion: 276 Resp: 39239

Ion Ratio Lower Upper

276 100

277 27.4 19.6 29.4

138 20.1 16.3 24.5

