

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072320\  
 Data File : BN011227.D  
 Acq On : 22 Jul 2020 20:49  
 Operator : CG/JU  
 Sample : PB130401BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130401BSD

Quant Time: Jul 23 03:56:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 22 19:29:31 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.49  | 152  | 1466     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.24 | 136  | 5082     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.12 | 164  | 2947     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.87 | 188  | 6297     | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.09 | 240  | 4767     | 0.40 | ng    | -0.01    |
| 36) Perylene-d12          | 23.23 | 264  | 4468     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.15  | 112 | 1297 | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 6.69  | 99  | 1481 | 0.36 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.63  | 82  | 1838 | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.84 | 152 | 2916 | 0.35 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.63 | 330 | 392  | 0.30 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.73 | 172 | 5372 | 0.39 | ng | 0.00 |
| 27) Fluoranthene-d10        | 18.92 | 212 | 5724 | 0.29 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.54 | 244 | 5799 | 0.47 | ng | 0.00 |

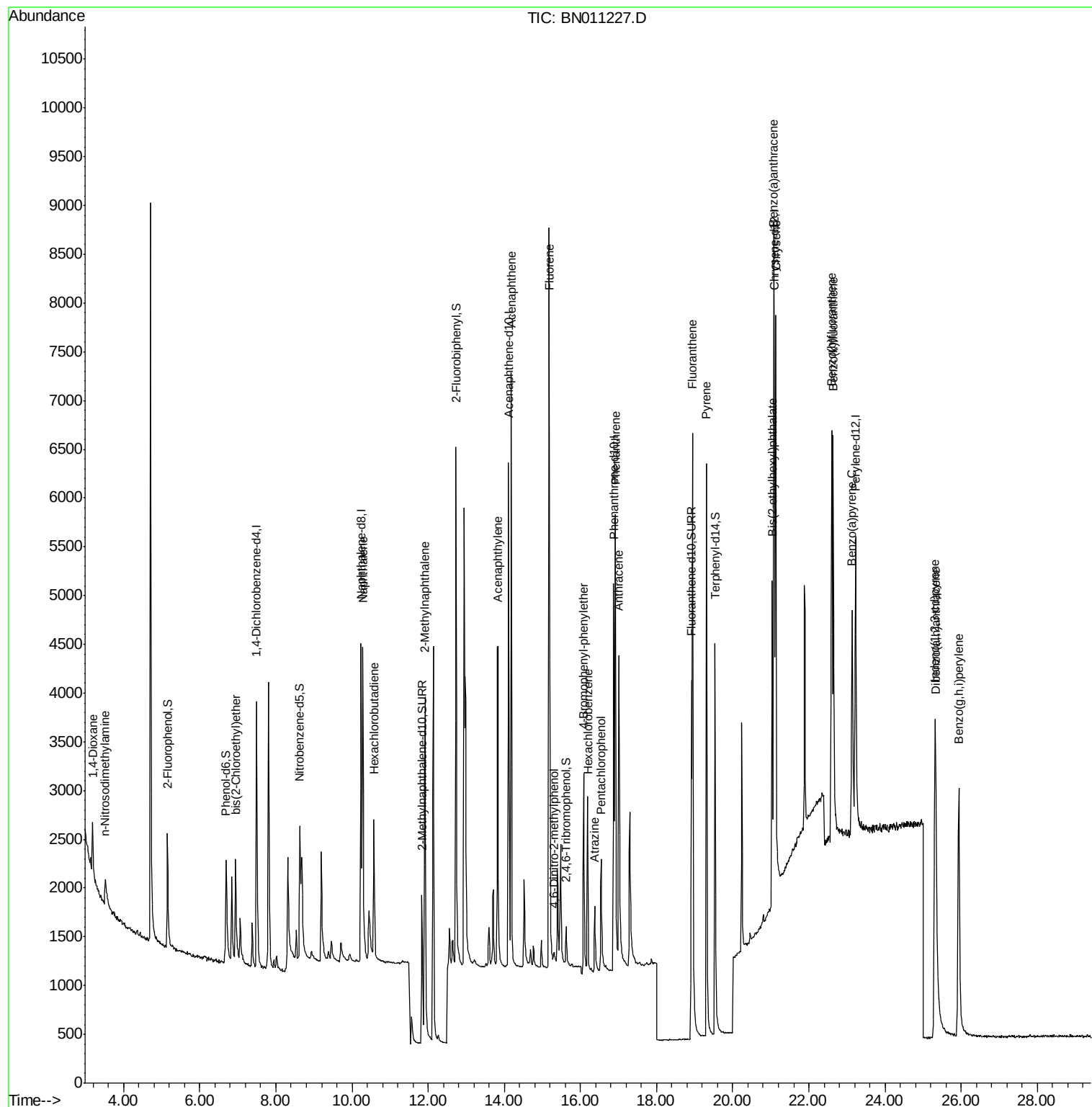
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 468  | 0.223  | ng | # 42 |
| 3) n-Nitrosodimethylamine      | 3.51  | 42  | 304  | 0.288  | ng | # 84 |
| 6) bis(2-Chloroethyl)ether     | 6.94  | 93  | 1286 | 0.344  | ng | 93   |
| 9) Naphthalene                 | 10.29 | 128 | 4784 | 0.316  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.58 | 225 | 1132 | 0.302  | ng | # 98 |
| 12) 2-Methylnaphthalene        | 11.91 | 142 | 3258 | 0.343  | ng | 98   |
| 16) Acenaphthylene             | 13.84 | 152 | 4677 | 0.312  | ng | 100  |
| 17) Acenaphthene               | 14.18 | 154 | 3018 | 0.302  | ng | 97   |
| 18) Fluorene                   | 15.18 | 166 | 3922 | 0.306  | ng | 99   |
| 20) 4,6-Dinitro-2-methylphenol | 15.31 | 198 | 235  | 0.333  | ng | 94   |
| 21) 4-Bromophenyl-phenylether  | 16.08 | 248 | 1246 | 0.291  | ng | 94   |
| 22) Hexachlorobenzene          | 16.19 | 284 | 1412 | 0.284  | ng | 96   |
| 23) Atrazine                   | 16.37 | 200 | 844  | 0.281  | ng | 97   |
| 24) Pentachlorophenol          | 16.54 | 266 | 802  | 0.543  | ng | 95   |
| 25) Phenanthrene               | 16.92 | 178 | 6180 | 0.305  | ng | 100  |
| 26) Anthracene                 | 17.00 | 178 | 5061 | 0.301  | ng | 99   |
| 28) Fluoranthene               | 18.95 | 202 | 6874 | 0.283  | ng | 99   |
| 30) Pyrene                     | 19.31 | 202 | 6718 | 0.369  | ng | 99   |
| 32) Benzo(a)anthracene         | 21.08 | 228 | 4932 | 0.319  | ng | 98   |
| 33) Chrysene                   | 21.13 | 228 | 6455 | 0.342  | ng | 99   |
| 34) Bis(2-ethylhexyl)phthalate | 21.04 | 149 | 2253 | 0.354  | ng | 98   |
| 35) Indeno(1,2,3-cd)pyrene     | 25.31 | 276 | 6089 | 0.297  | ng | 99   |
| 37) Benzo(b)fluoranthene       | 22.60 | 252 | 5506 | 0.307  | ng | 97   |
| 38) Benzo(k)fluoranthene       | 22.64 | 252 | 6294 | 0.310  | ng | 95   |
| 39) Benzo(a)pyrene             | 23.13 | 252 | 4761 | 0.295  | ng | 92   |
| 40) Dibenzo(a,h)anthracene     | 25.34 | 278 | 4803 | 0.280  | ng | # 91 |
| 41) Benzo(g,h,i)perylene       | 25.94 | 276 | 6003 | 0.319  | ng | 99   |

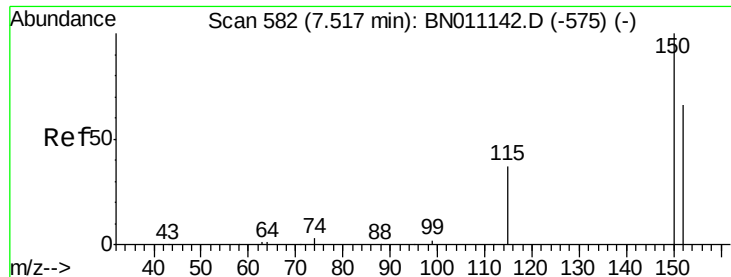
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 22 19:29:31 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.49 min Scan# 560

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

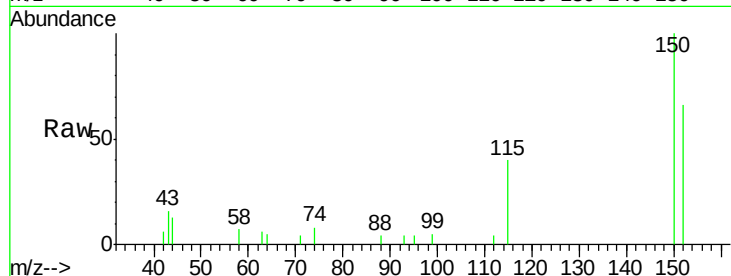
Tot Ion:152 Resp: 1466

Ion Ratio Lower Upper

152 100

150 152.1 119.4 179.0

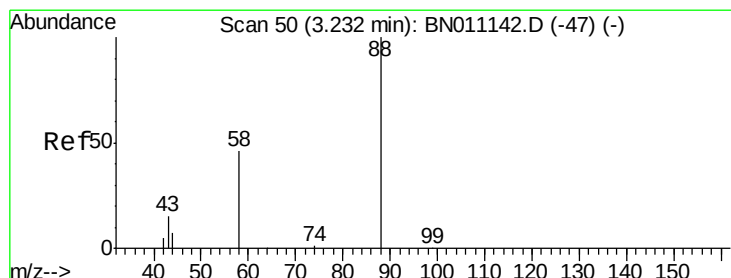
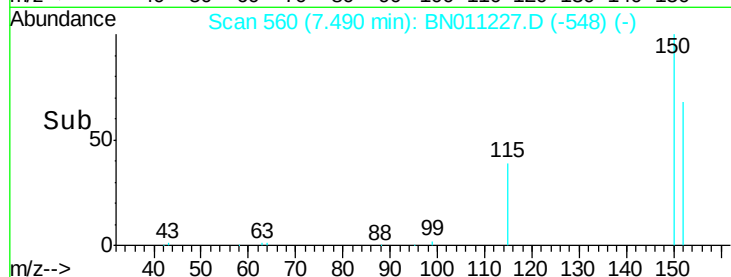
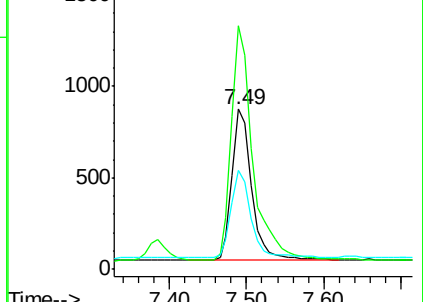
115 61.5 48.3 72.5



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: 0.223 ng

RT: 3.19 min Scan# 26

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

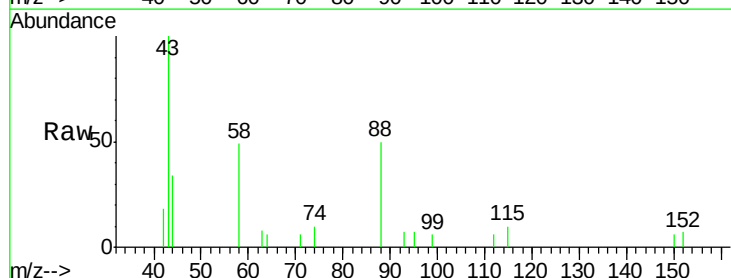
Tgt Ion: 88 Resp: 468

Ion Ratio Lower Upper

88 100

58 66.2 36.5 54.7#

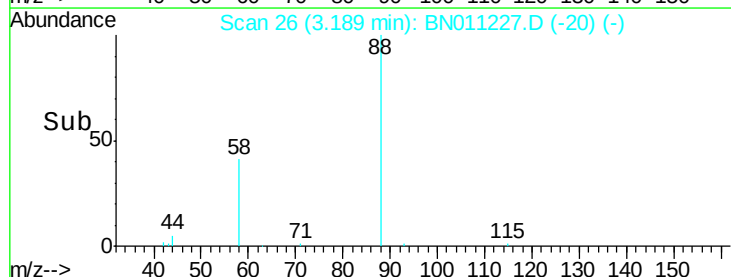
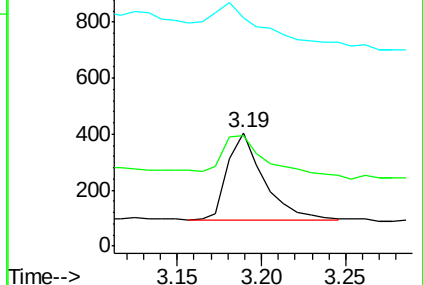
43 72.9 14.3 21.5#

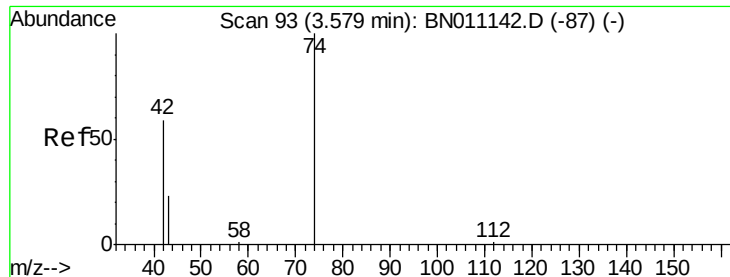


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.288 ng

RT: 3.51 min Scan# 66

Delta R.T. -0.02 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

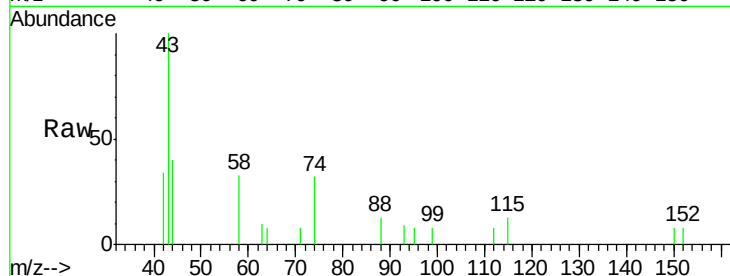
Tot Ion: 42 Resp: 304

Ion Ratio Lower Upper

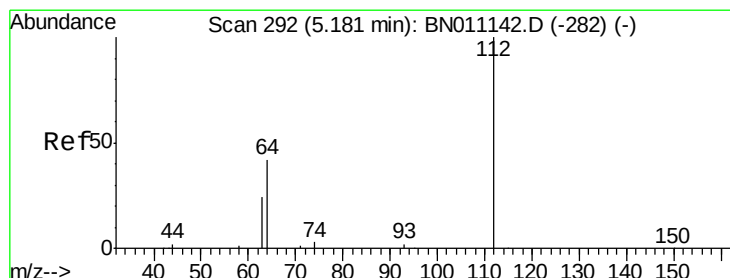
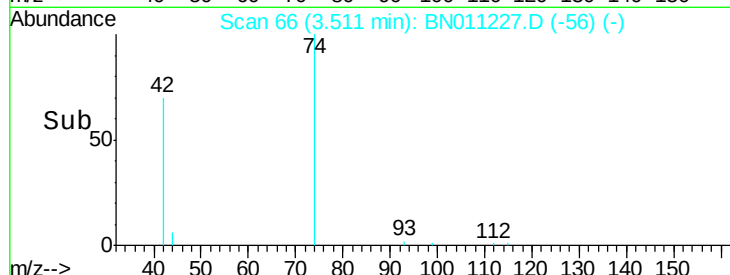
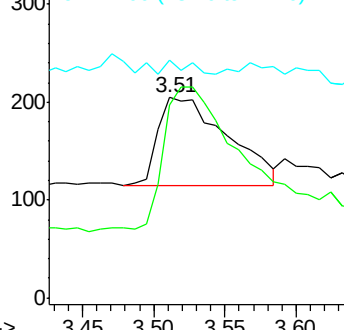
42 100

74 198.4 140.9 211.3

44 4.9 7.6 11.4#



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: 0.359 ng

RT: 5.15 min Scan# 270

Delta R.T. 0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

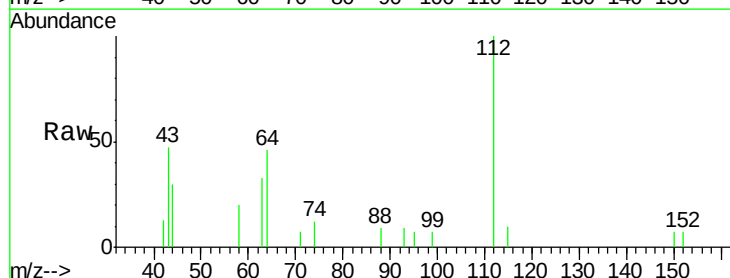
Tgt Ion: 112 Resp: 1297

Ion Ratio Lower Upper

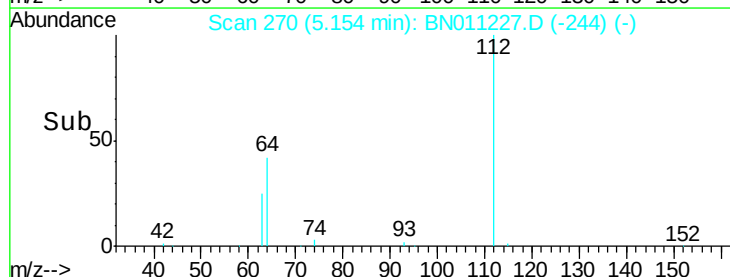
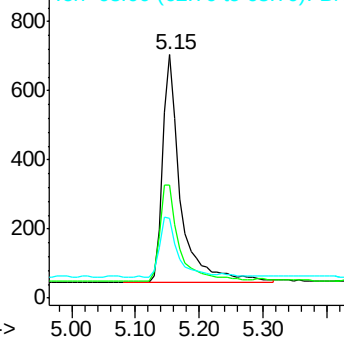
112 100

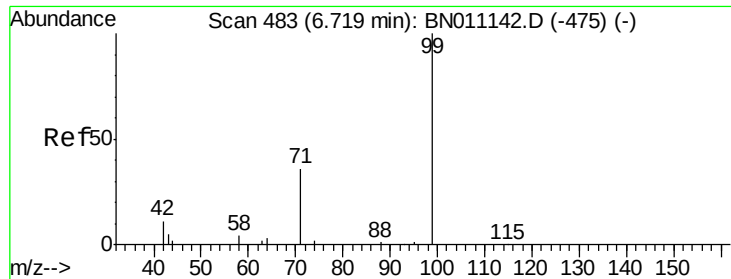
64 44.7 36.7 55.1

63 27.7 20.4 30.6



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: 0.362 ng

RT: 6.69 min Scan# 461

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

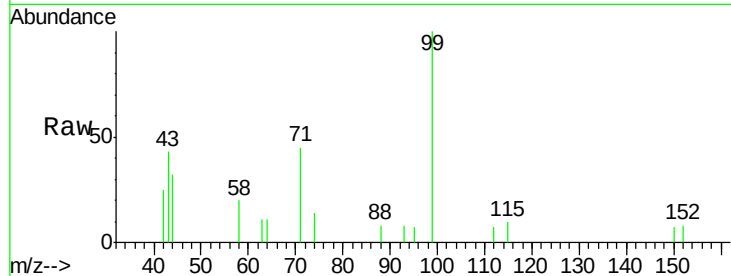
Tot Ion: 99 Resp: 1481

Ion Ratio Lower Upper

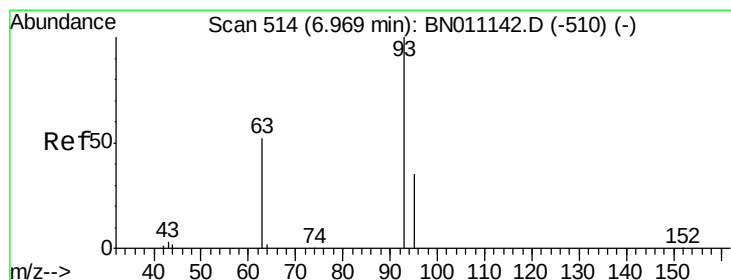
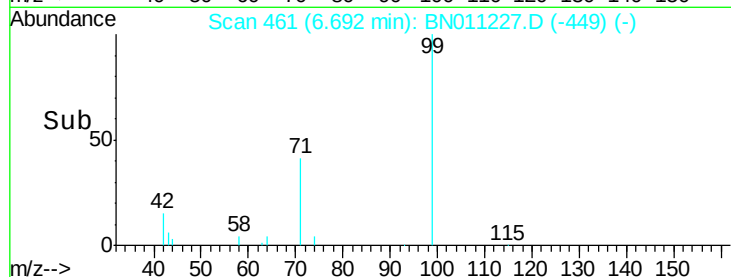
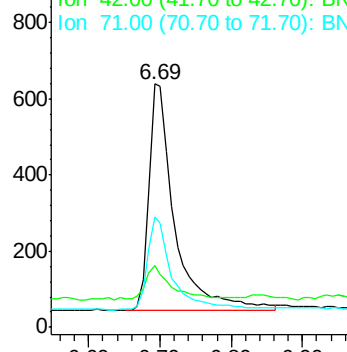
99 100

42 15.9 10.8 16.2

71 40.3 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BN011142.D (-475) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.344 ng

RT: 6.94 min Scan# 492

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

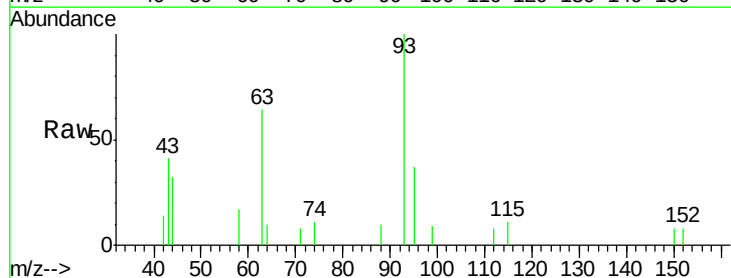
Tgt Ion: 93 Resp: 1286

Ion Ratio Lower Upper

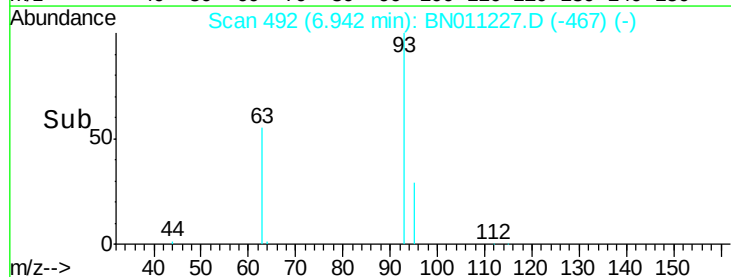
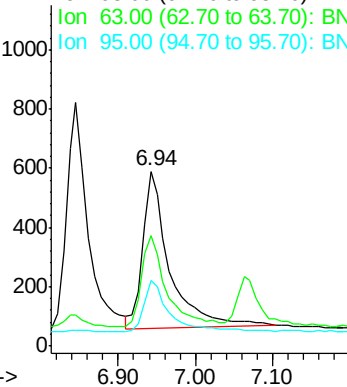
93 100

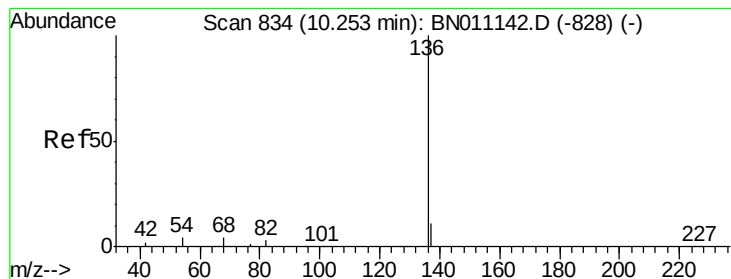
63 53.6 47.4 71.0

95 31.6 28.1 42.1



Abundance Ion 93.00 (92.70 to 93.70): BN011142.D (-510) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 814

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

Tot Ion:136 Resp: 5082

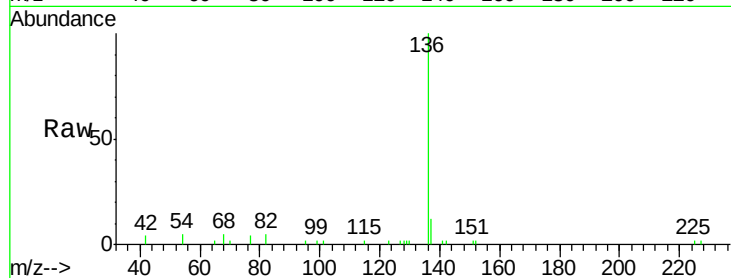
Ion Ratio Lower Upper

136 100

137 12.5 10.3 15.5

54 5.3 4.9 7.3

68 5.3 4.9 7.3

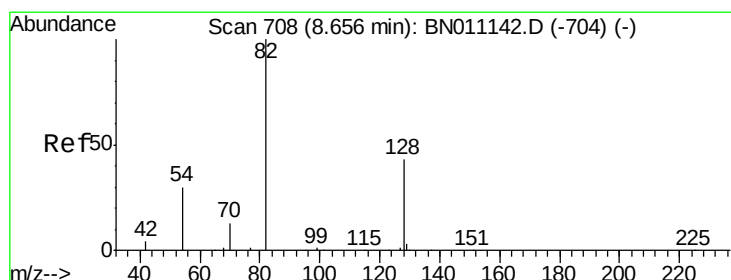
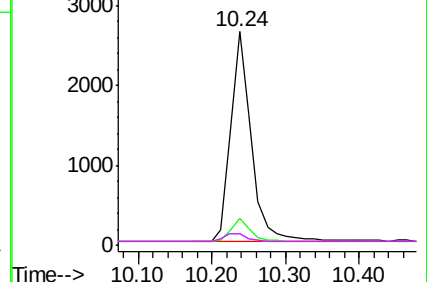
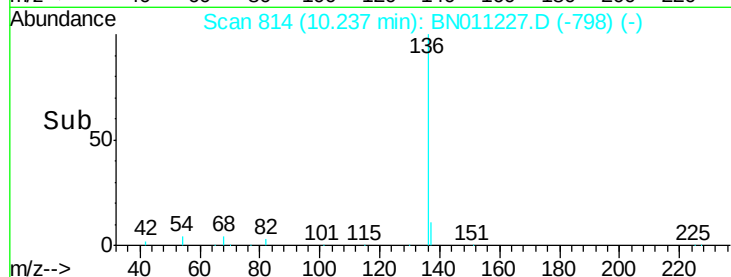


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.408 ng

RT: 8.63 min Scan# 687

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

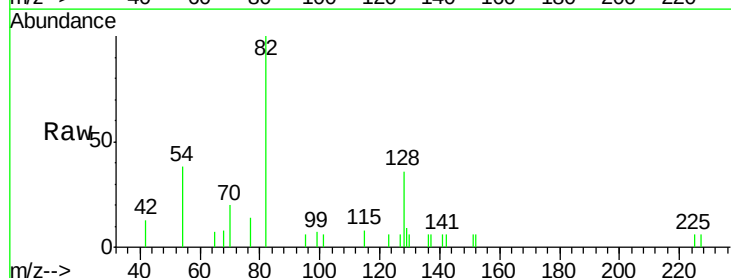
Tgt Ion: 82 Resp: 1838

Ion Ratio Lower Upper

82 100

128 36.5 38.1 57.1#

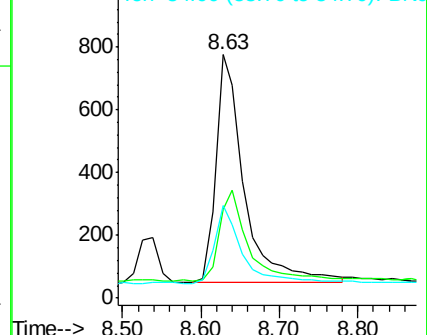
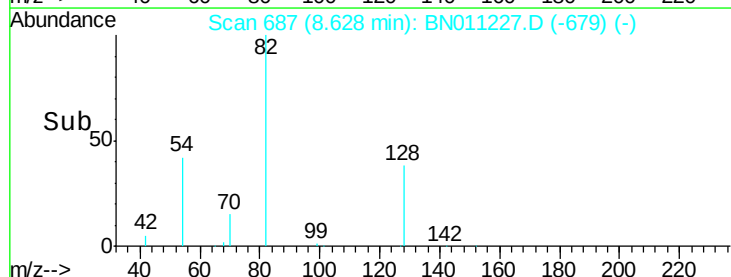
54 37.9 27.1 40.7

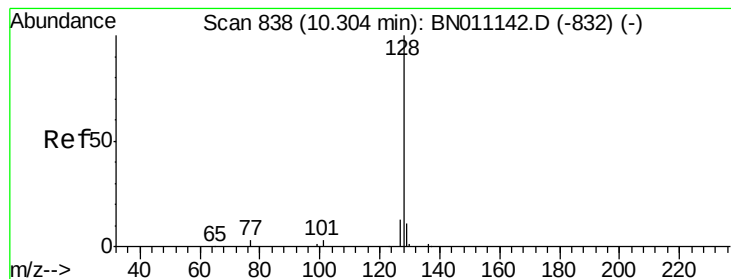


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.316 ng

RT: 10.29 min Scan# 818

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

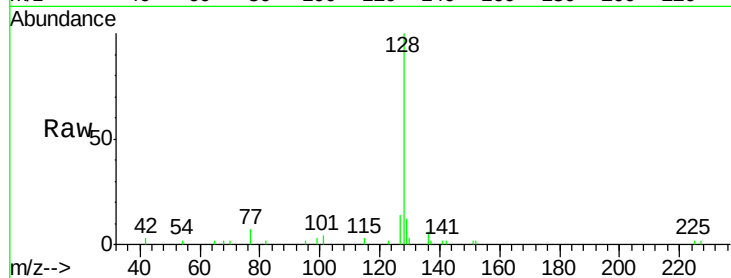
Tot Ion:128 Resp: 4784

Ion Ratio Lower Upper

128 100

129 12.4 9.8 14.6

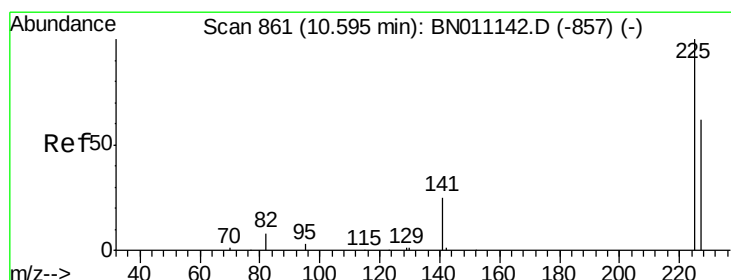
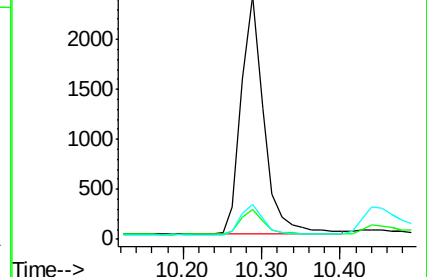
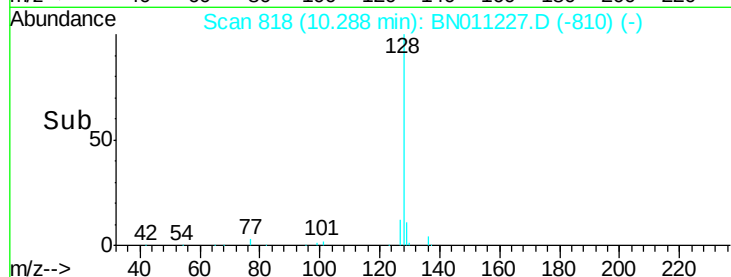
127 14.2 11.8 17.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.302 ng

RT: 10.58 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

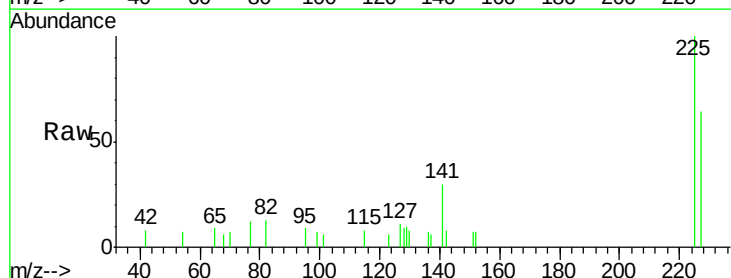
Tgt Ion:225 Resp: 1132

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

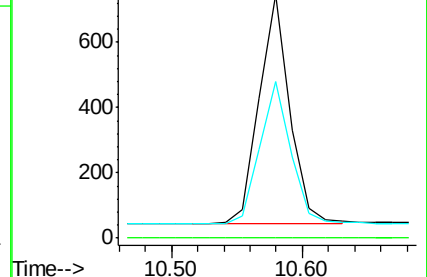
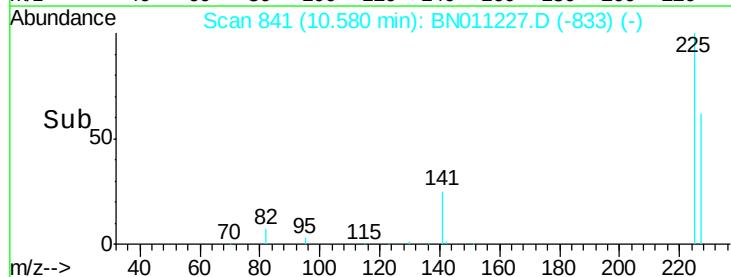
227 62.5 51.2 76.8

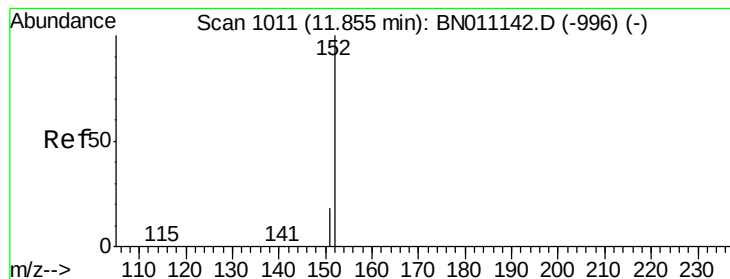


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.354 ng

RT: 11.84 min Scan# 987

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

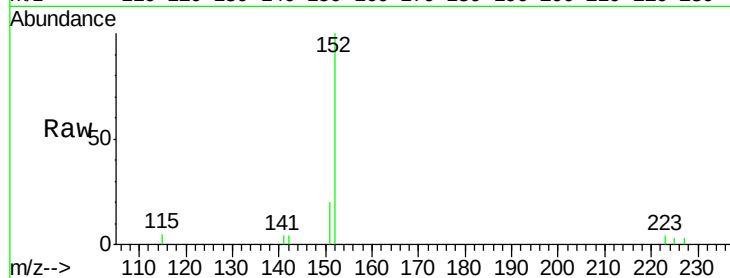
PB130401BSD

Tot Ion:152 Resp: 2916

Ion Ratio Lower Upper

152 100

151 17.6 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.84

1500

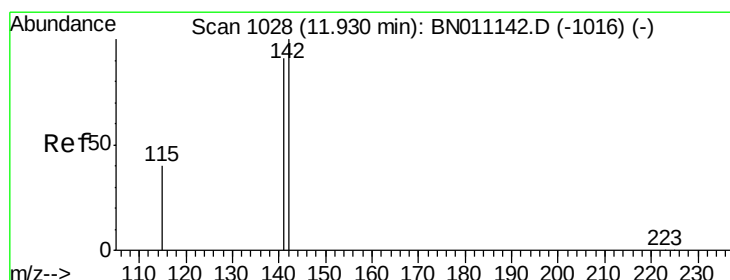
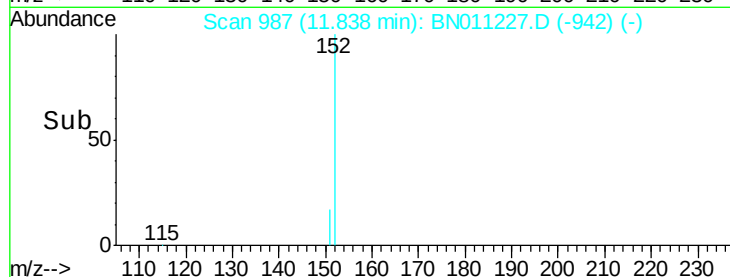
1000

500

0

11.80 12.00

Time-->



#12

2-Methylnaphthalene

Concen: 0.343 ng

RT: 11.91 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

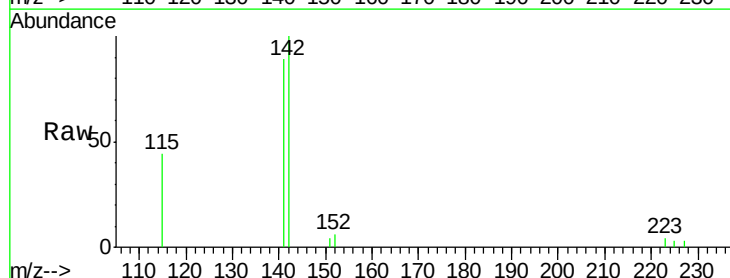
Tgt Ion:142 Resp: 3258

Ion Ratio Lower Upper

142 100

141 88.7 72.7 109.1

115 43.9 33.8 50.6



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

11.91

2000

1500

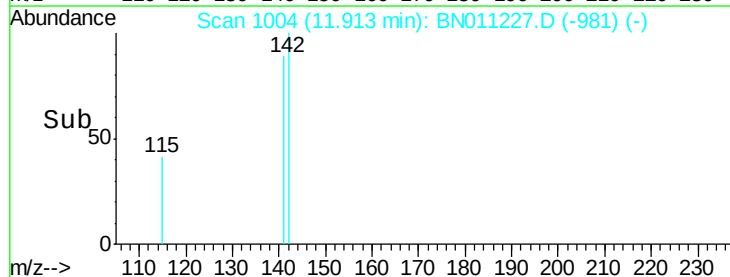
1000

500

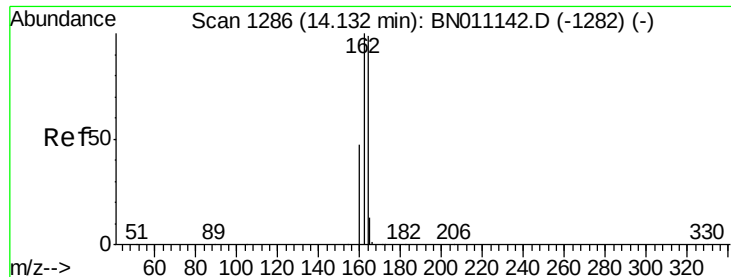
0

11.80 11.90 12.00

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.12 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

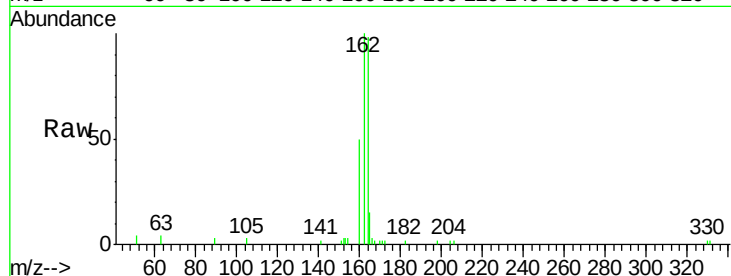
BNA\_N

ClientSampleId :

PB130401BSD

Tot Ion:164 Resp: 2947

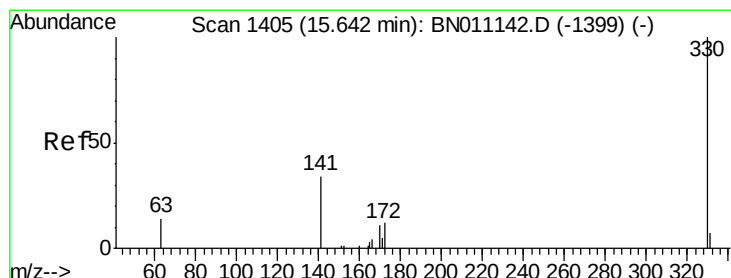
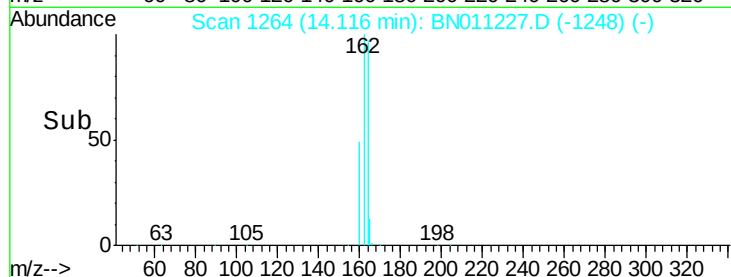
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.4 | 81.0  | 121.4 |
| 160 | 50.9  | 39.0  | 58.6  |



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: 0.300 ng

RT: 15.63 min Scan# 1383

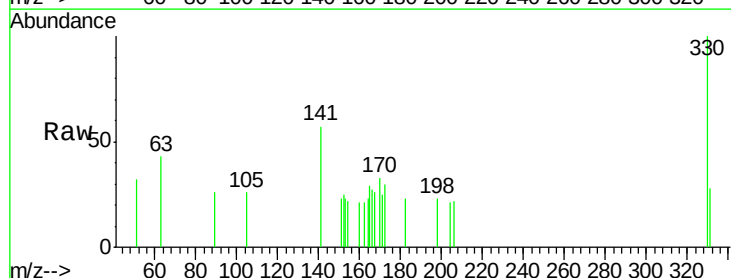
Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Tgt Ion:330 Resp: 392

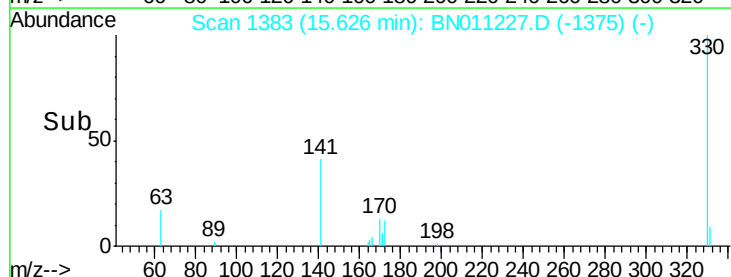
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 0.0   | 0.0   | 0.0   |
| 141 | 43.6  | 31.5  | 47.3  |

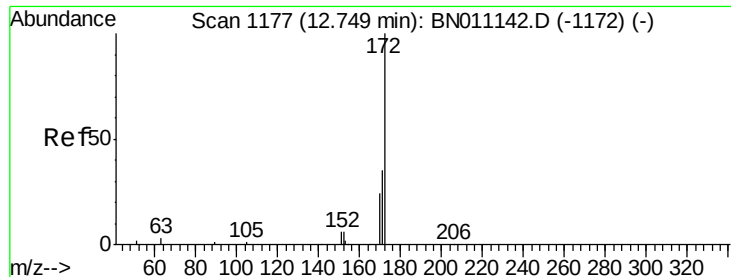


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

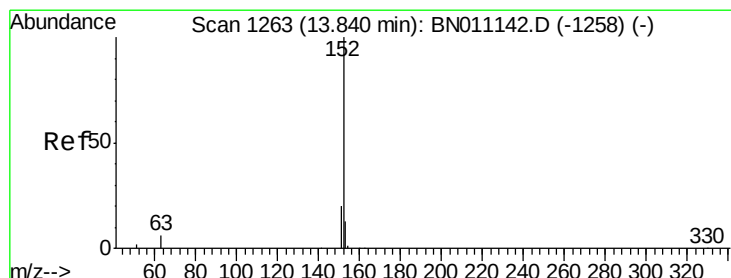
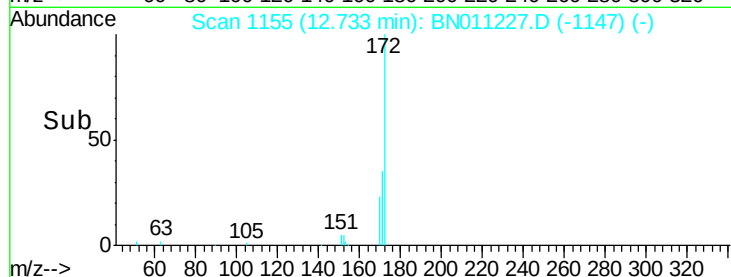
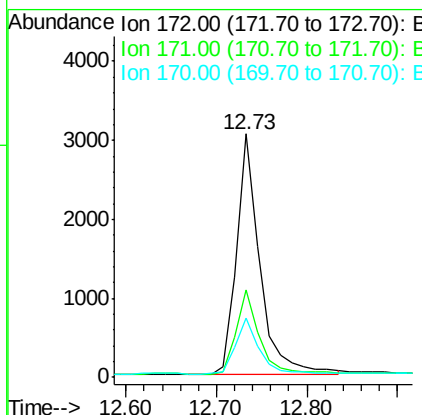
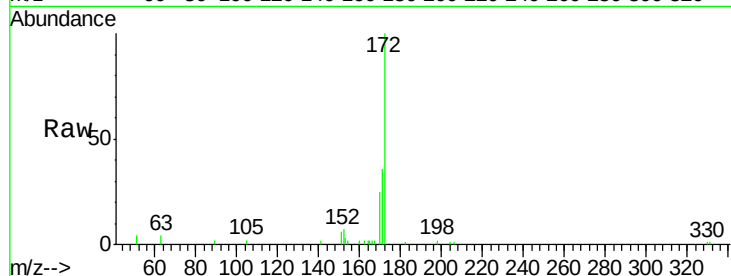




#15  
2-Fluorobiphenyl  
Concen: 0.389 ng  
RT: 12.73 min Scan# 1155  
Delta R.T. 0.00 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

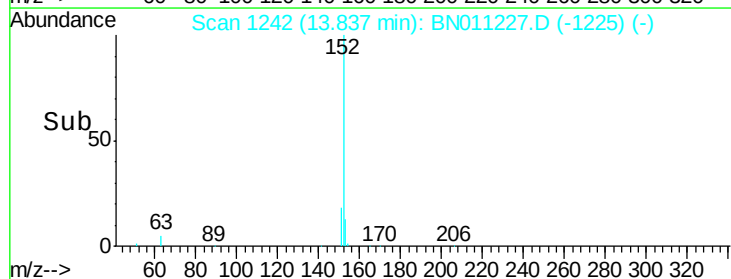
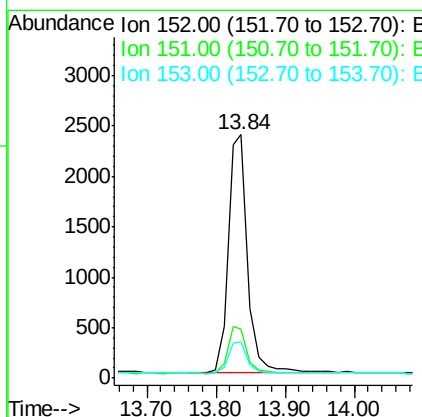
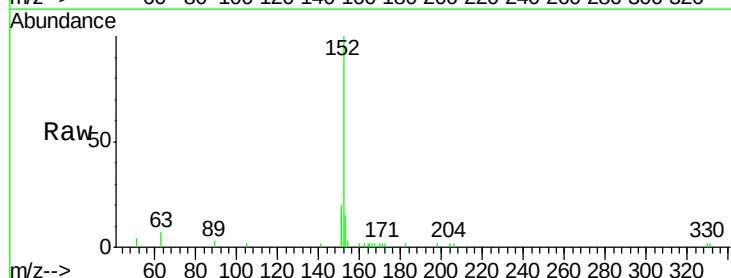
Instrument :  
BNA\_N  
ClientSampleId :  
PB130401BSD

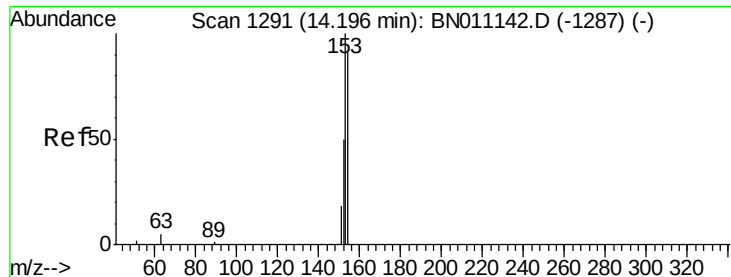
Tot Ion:172 Resp: 5372  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.0 43.6  
170 24.5 20.3 30.5



#16  
Acenaphthylene  
Concen: 0.312 ng  
RT: 13.84 min Scan# 1242  
Delta R.T. 0.01 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

Tgt Ion:152 Resp: 4677  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.7 23.5  
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.302 ng

RT: 14.18 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

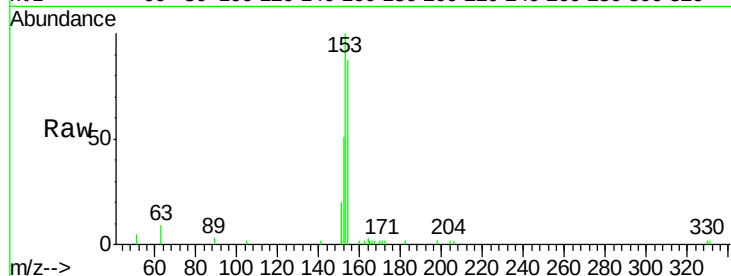
Tot Ion:154 Resp: 3018

Ion Ratio Lower Upper

154 100

153 116.2 91.3 136.9

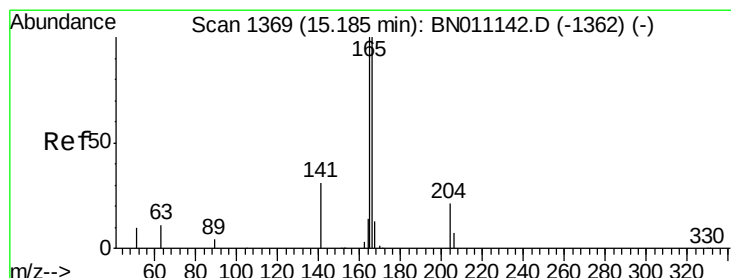
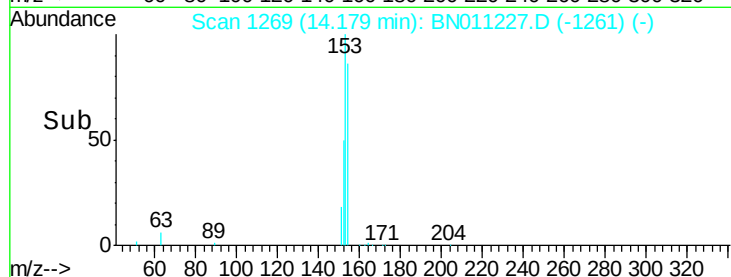
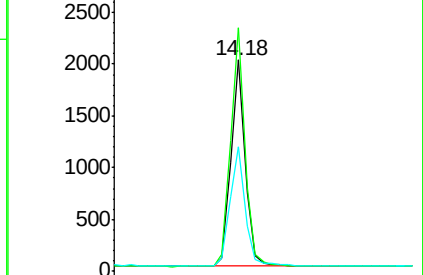
152 61.7 46.6 69.8



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: 0.306 ng

RT: 15.18 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

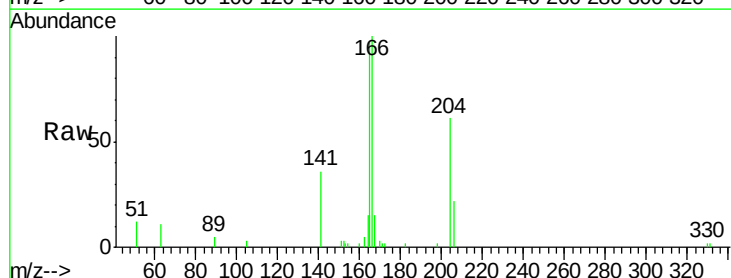
Tgt Ion:166 Resp: 3922

Ion Ratio Lower Upper

166 100

165 98.3 79.1 118.7

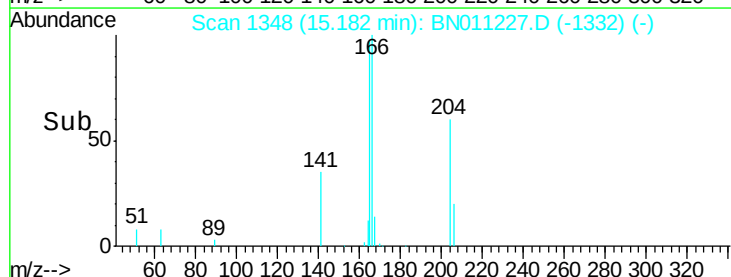
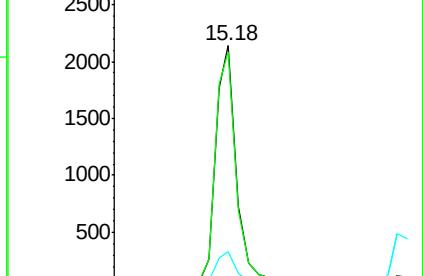
167 13.5 10.5 15.7

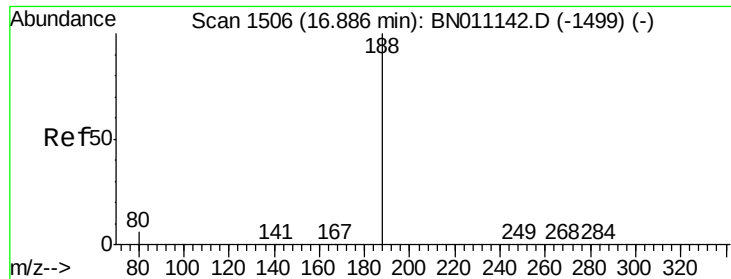


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.87 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

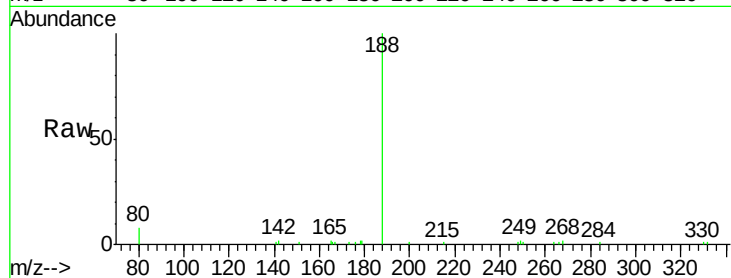
Tot Ion:188 Resp: 6297

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

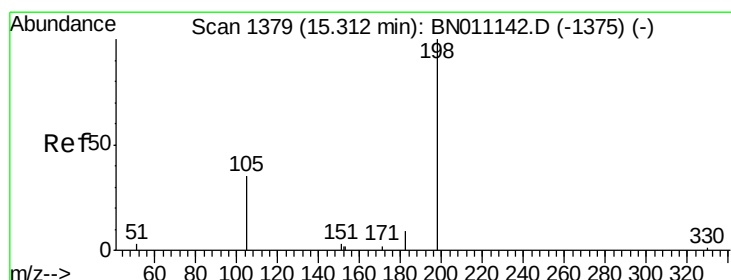
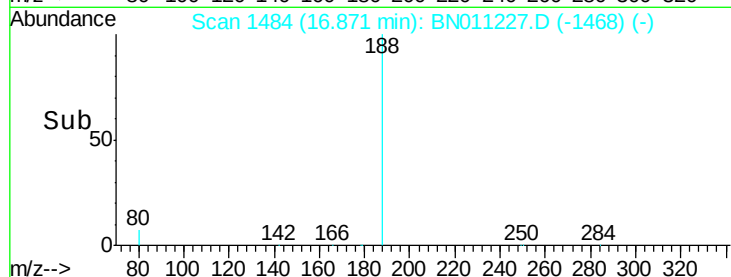
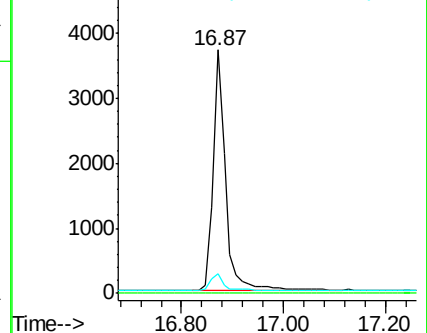
80 7.9 6.3 9.5



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

4,6-Dinitro-2-methylphenol

Concen: 0.333 ng

RT: 15.31 min Scan# 1358

Delta R.T. 0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

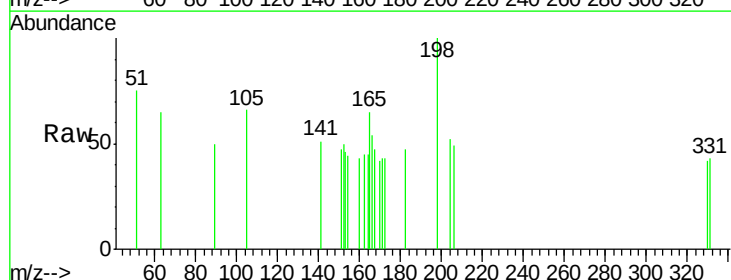
Tgt Ion:198 Resp: 235

Ion Ratio Lower Upper

198 100

51 74.8 53.1 79.7

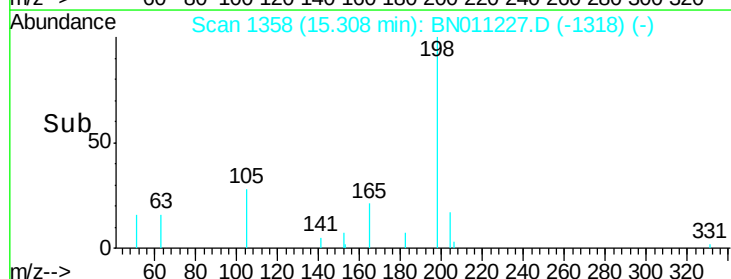
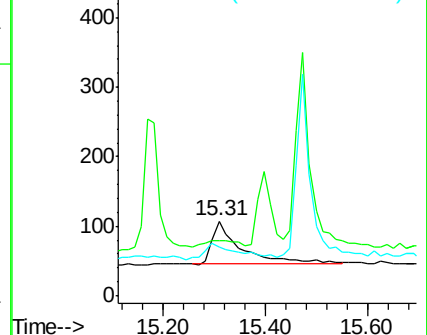
105 66.4 51.9 77.9

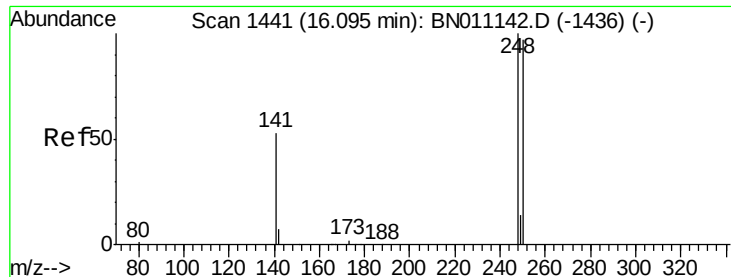


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

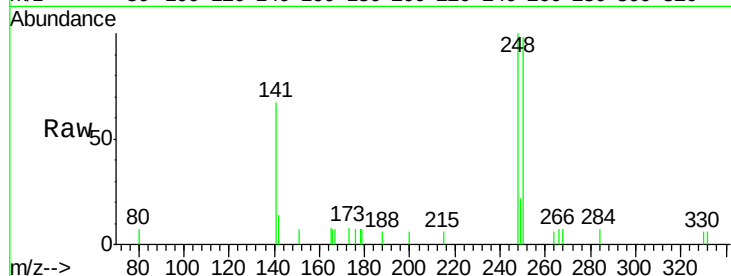




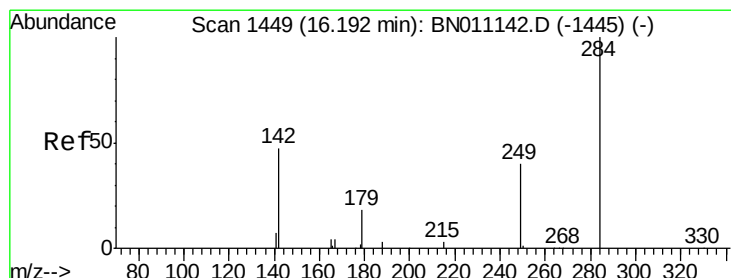
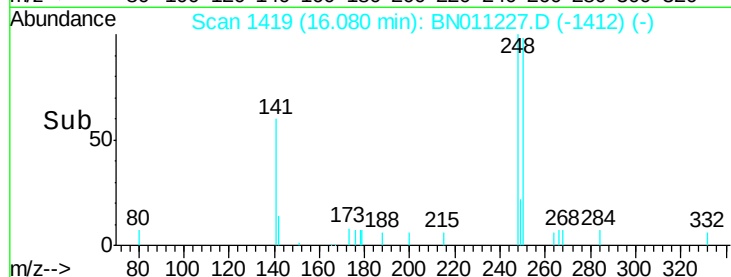
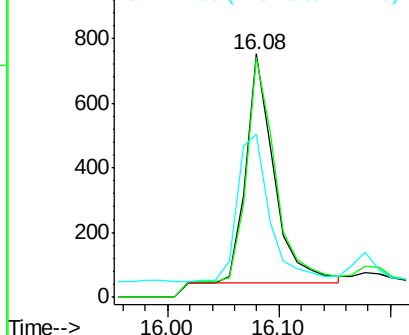
#21  
4-Bromophenyl-phenylether  
Concen: 0.291 ng  
RT: 16.08 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB130401BSD

Tot Ion:248 Resp: 1246  
Ion Ratio Lower Upper  
248 100  
250 98.4 78.4 117.6  
141 67.2 45.1 67.7

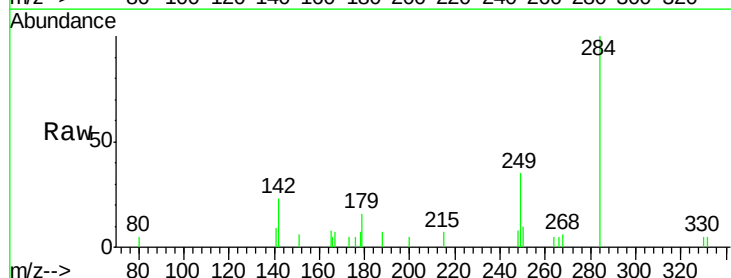


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

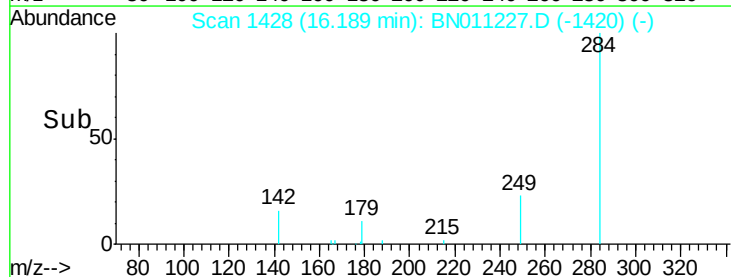
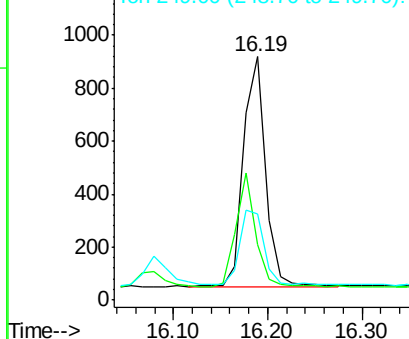


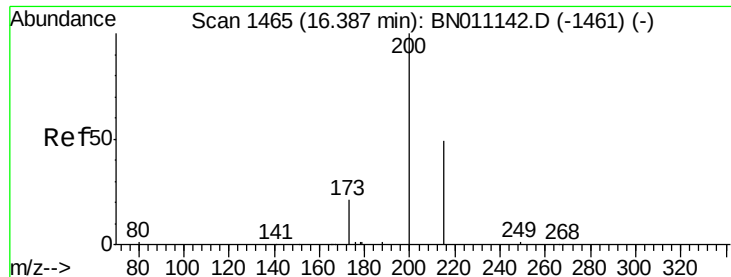
#22  
Hexachlorobenzene  
Concen: 0.284 ng  
RT: 16.19 min Scan# 1428  
Delta R.T. 0.00 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

Tgt Ion:284 Resp: 1412  
Ion Ratio Lower Upper  
284 100  
142 45.2 32.6 48.8  
249 35.3 28.4 42.6



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





#23

Atrazine

Concen: 0.281 ng

RT: 16.37 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

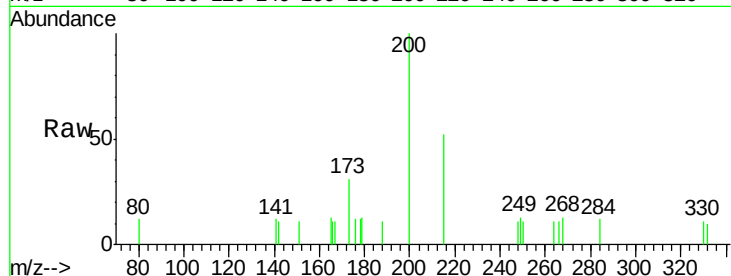
Tot Ion:200 Resp: 844

Ion Ratio Lower Upper

200 100

173 30.6 23.0 34.4

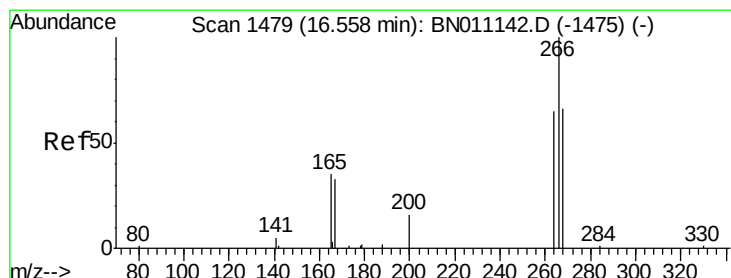
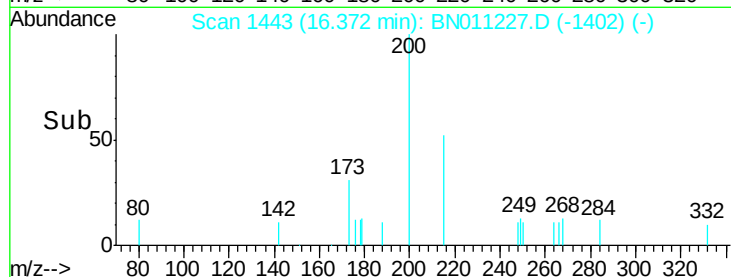
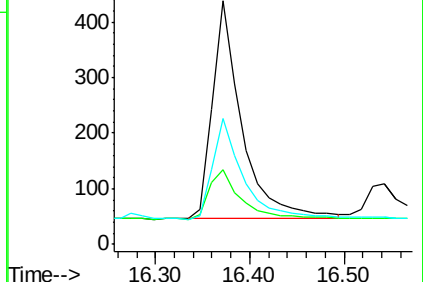
215 51.8 42.6 63.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.543 ng

RT: 16.54 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

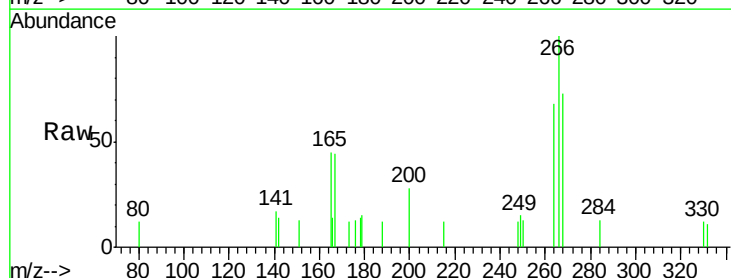
Tgt Ion:266 Resp: 802

Ion Ratio Lower Upper

266 100

264 65.0 52.5 78.7

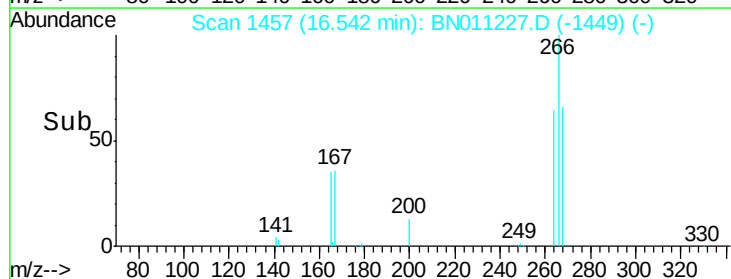
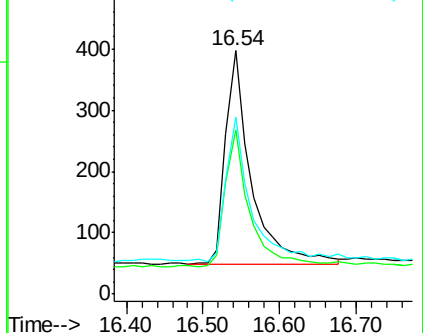
268 67.7 48.9 73.3

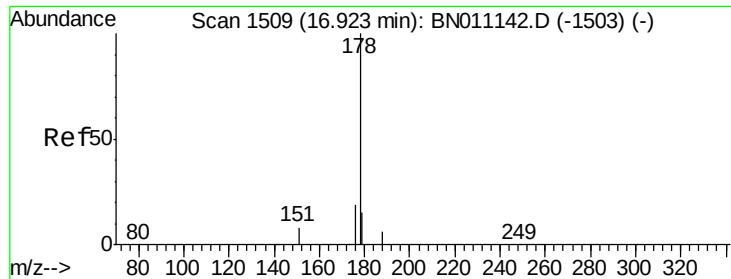


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.305 ng

RT: 16.92 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

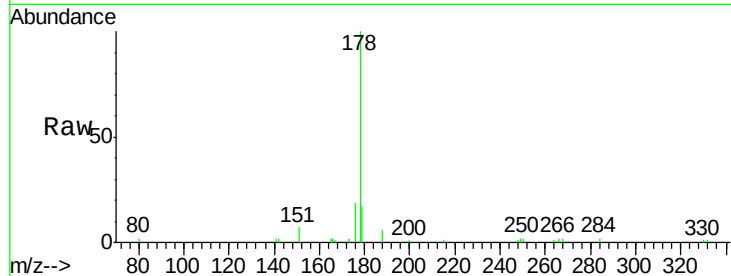
Tot Ion:178 Resp: 6180

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

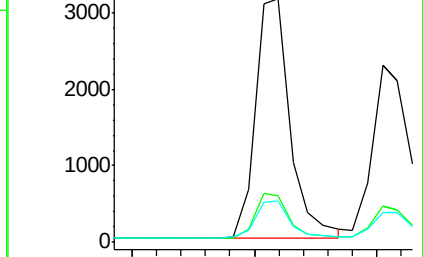
179 15.6 12.6 18.8



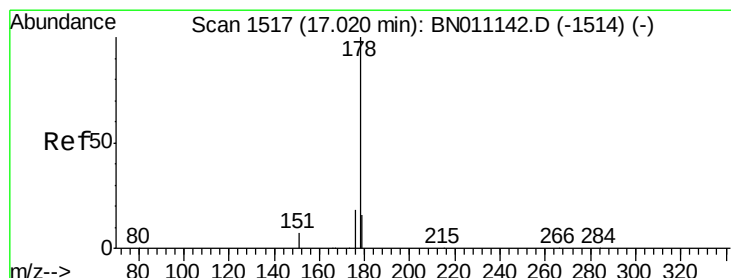
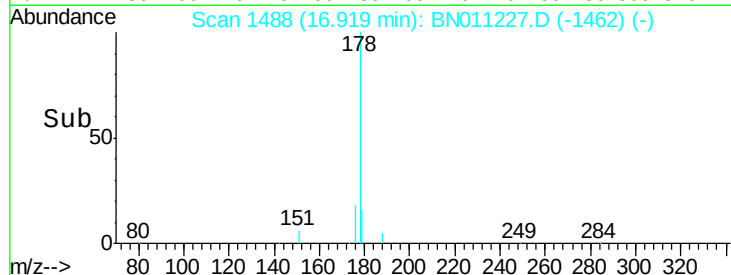
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#26

Anthracene

Concen: 0.301 ng

RT: 17.00 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

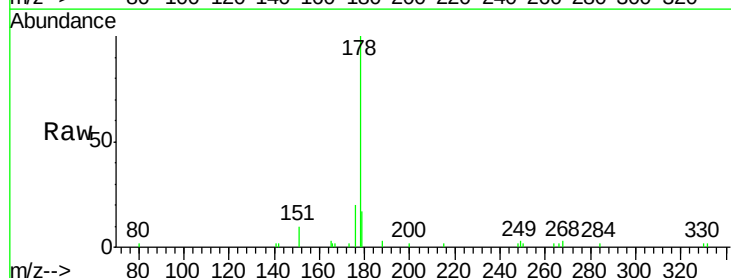
Tgt Ion:178 Resp: 5061

Ion Ratio Lower Upper

178 100

176 18.5 14.5 21.7

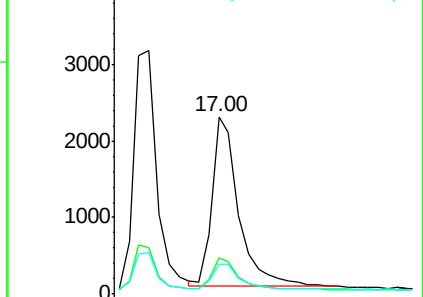
179 15.4 12.0 18.0



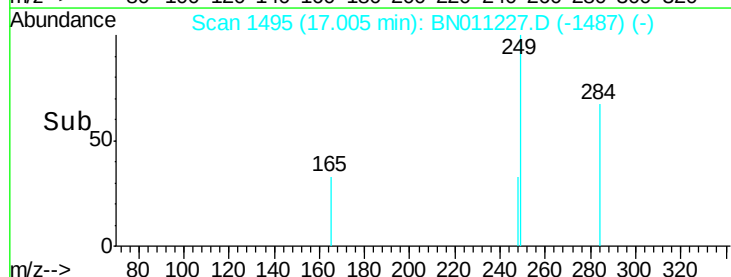
Abundance Ion 178.00 (177.70 to 178.70): E

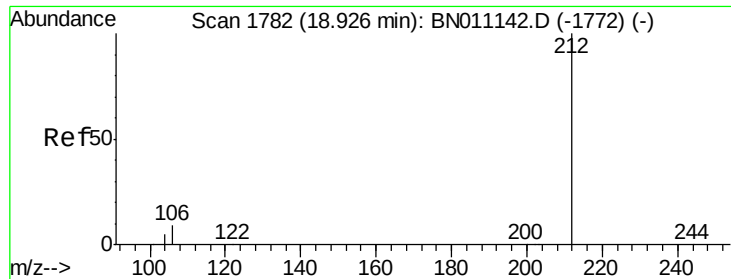
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#27

Fluoranthene-d10

Concen: 0.288 ng

RT: 18.92 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

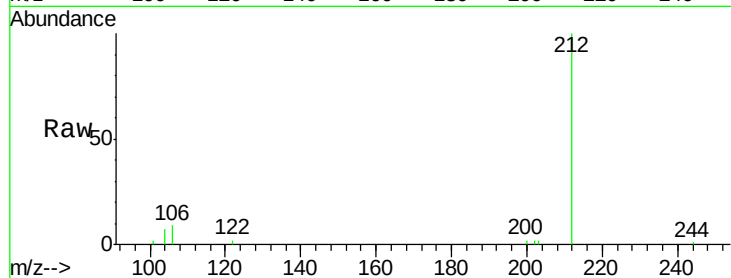
Tot Ion:212 Resp: 5724

Ion Ratio Lower Upper

212 100

106 8.2 7.0 10.6

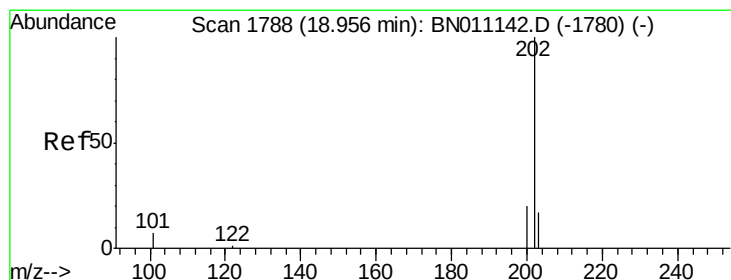
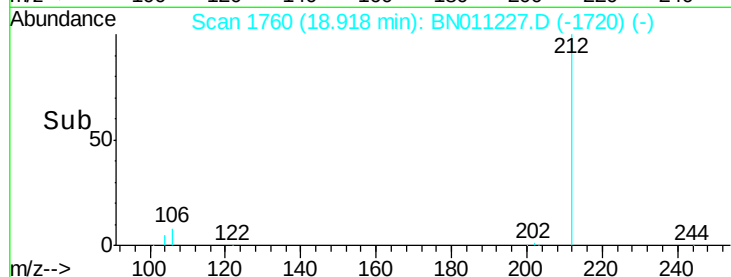
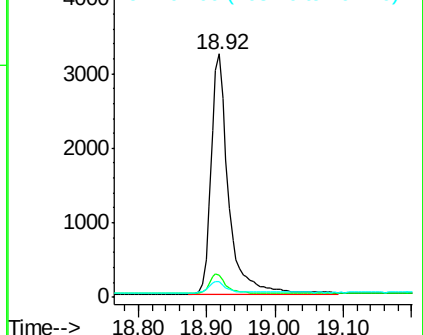
104 4.8 4.2 6.4



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



#28

Fluoranthene

Concen: 0.283 ng

RT: 18.95 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

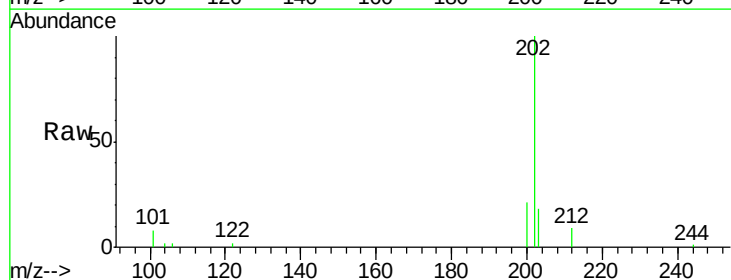
Tgt Ion:202 Resp: 6874

Ion Ratio Lower Upper

202 100

101 7.0 5.9 8.9

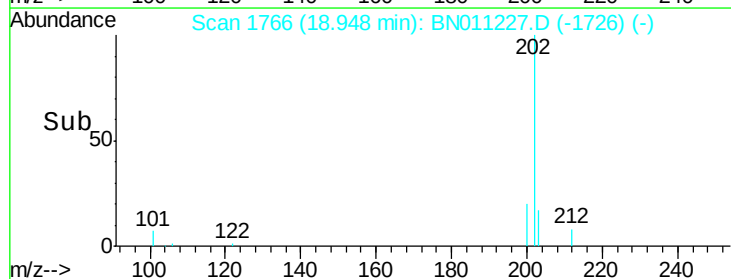
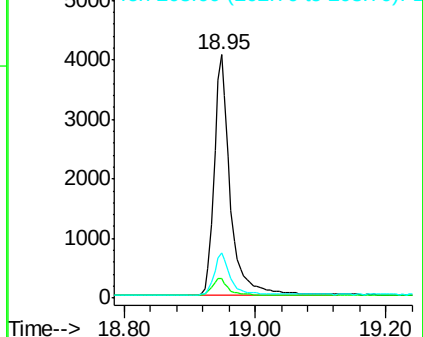
203 16.9 13.6 20.4



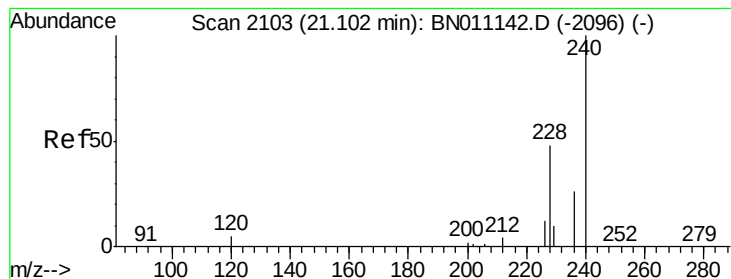
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.09 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

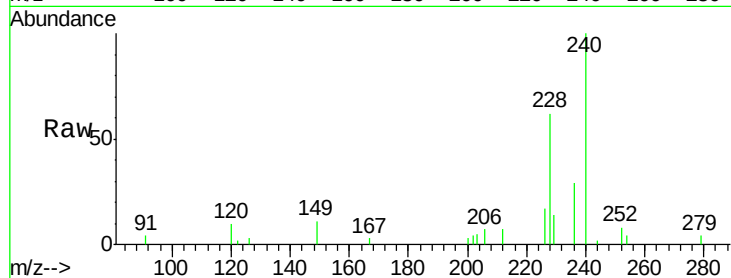
Tot Ion:240 Resp: 4767

Ion Ratio Lower Upper

240 100

120 9.8 6.5 9.7#

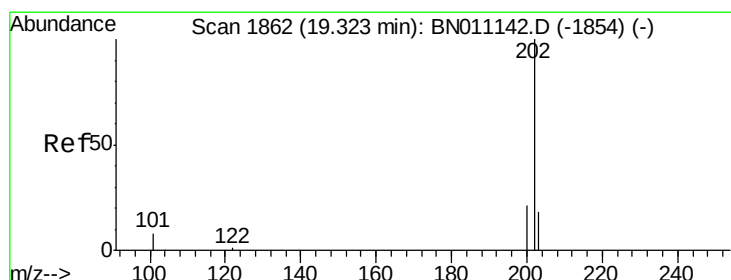
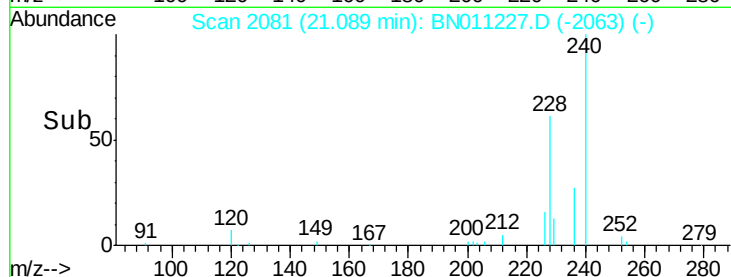
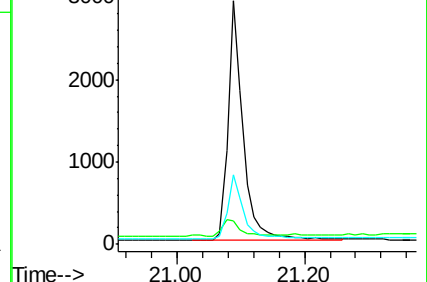
236 28.8 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#30

Pyrene

Concen: 0.369 ng

RT: 19.31 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

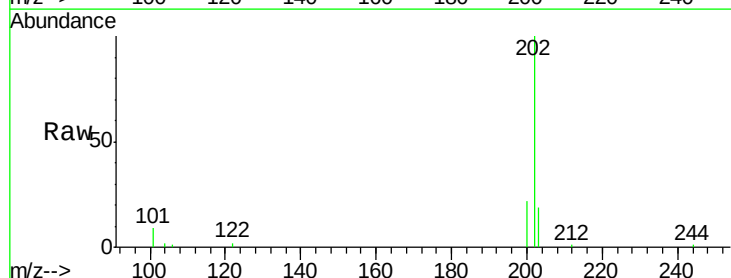
Tgt Ion:202 Resp: 6718

Ion Ratio Lower Upper

202 100

200 20.1 16.5 24.7

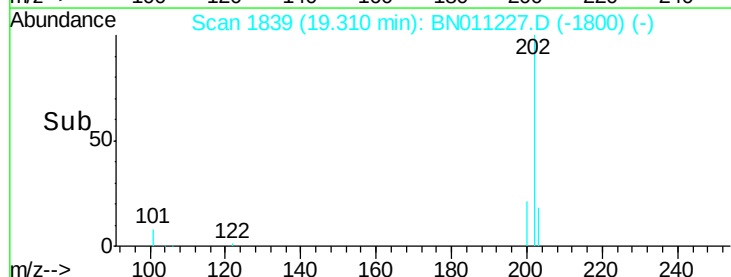
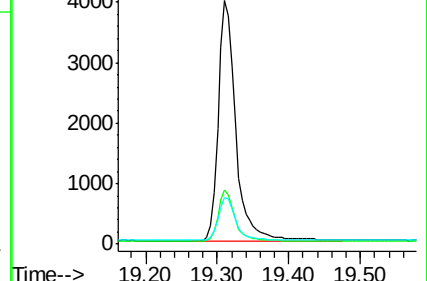
203 17.9 14.2 21.4

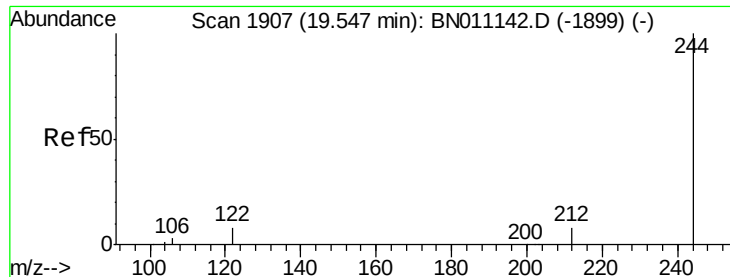


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.467 ng

RT: 19.54 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

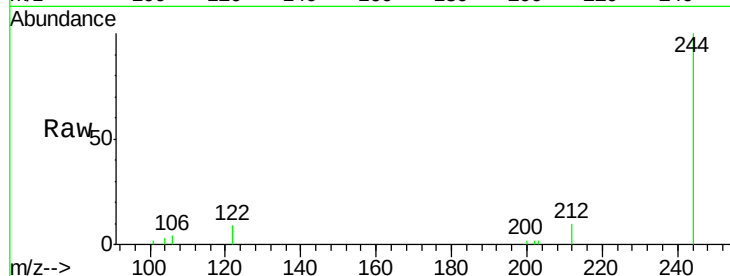
Tot Ion:244 Resp: 5799

Ion Ratio Lower Upper

244 100

212 9.6 7.8 11.6

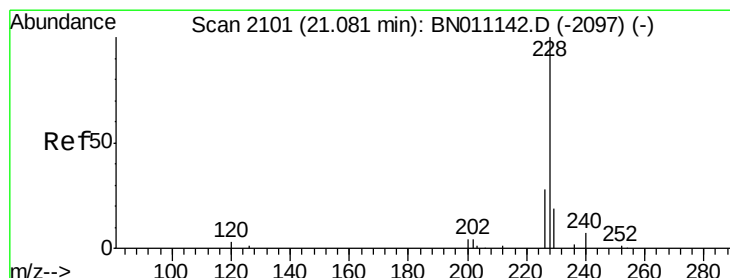
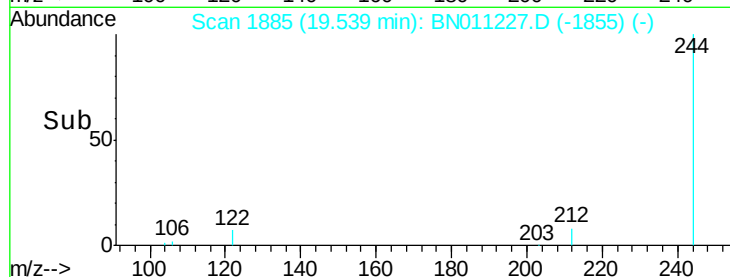
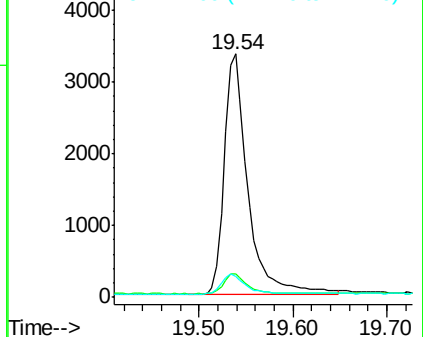
122 8.8 7.4 11.0



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



#32

Benzo(a)anthracene

Concen: 0.319 ng

RT: 21.08 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

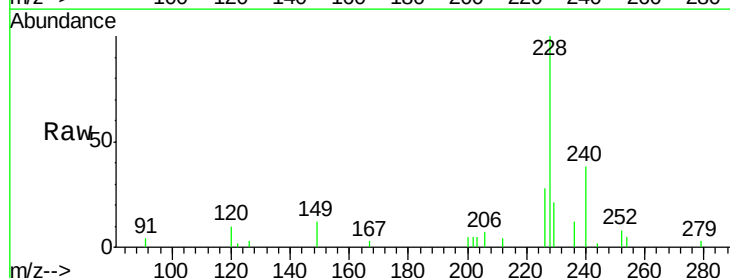
Tgt Ion:228 Resp: 4932

Ion Ratio Lower Upper

228 100

226 27.8 23.2 34.8

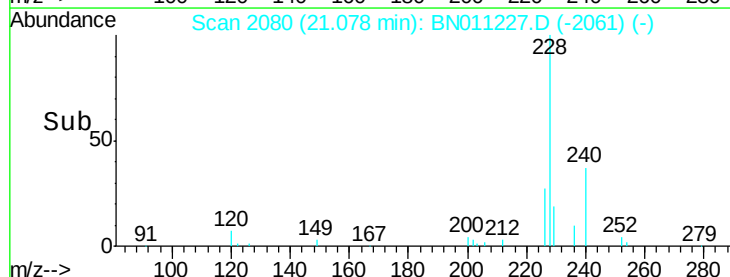
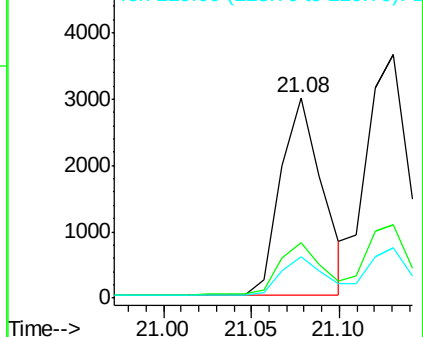
229 20.5 16.2 24.4

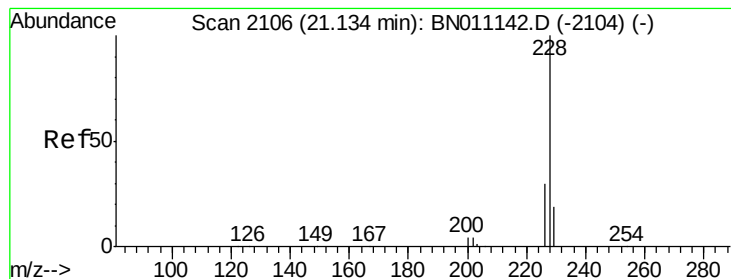


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.342 ng

RT: 21.13 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

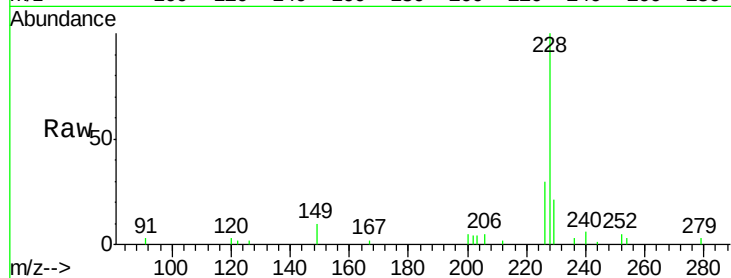
Tot Ion:228 Resp: 6455

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

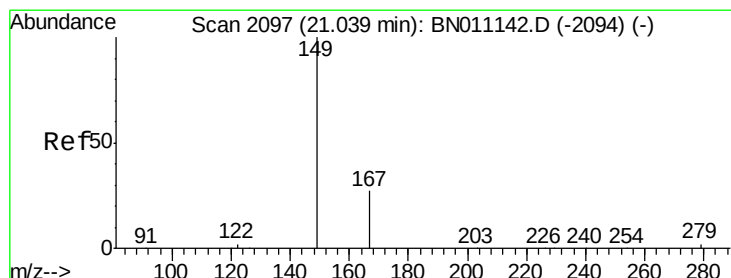
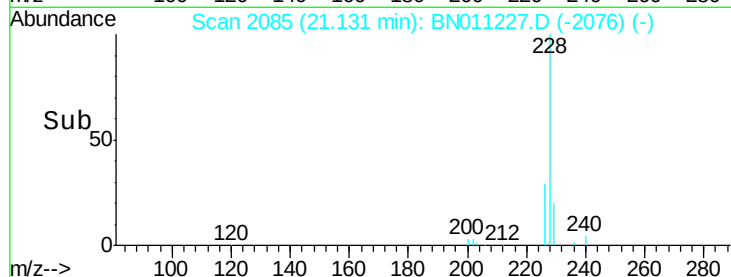
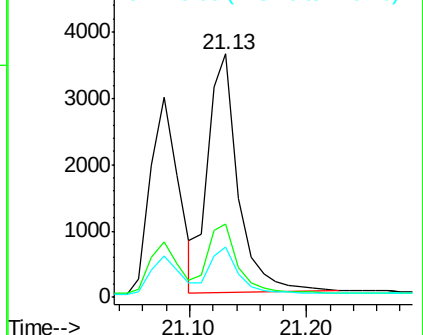
229 20.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.354 ng

RT: 21.04 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

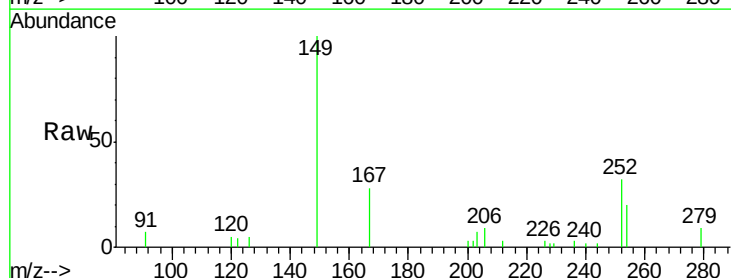
Tgt Ion:149 Resp: 2253

Ion Ratio Lower Upper

149 100

167 27.9 23.4 35.0

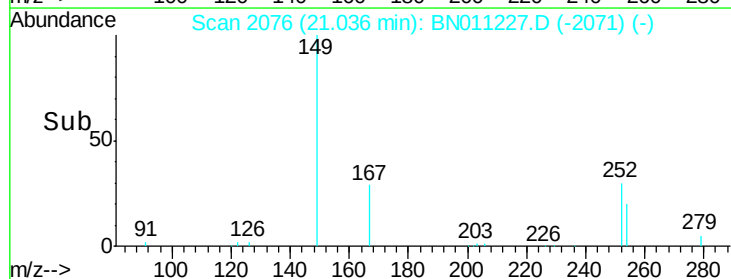
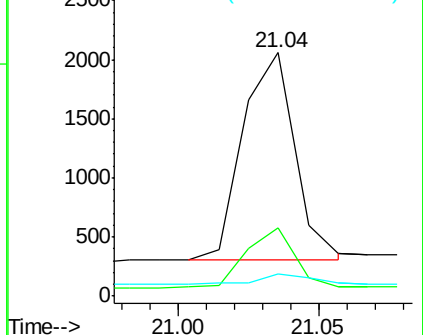
279 5.4 4.5 6.7

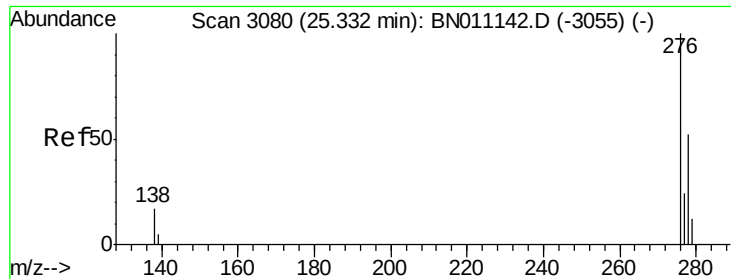


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.297 ng

RT: 25.31 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

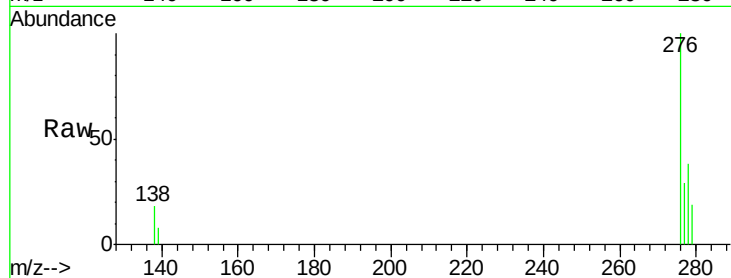
Tot Ion:276 Resp: 6089

Ion Ratio Lower Upper

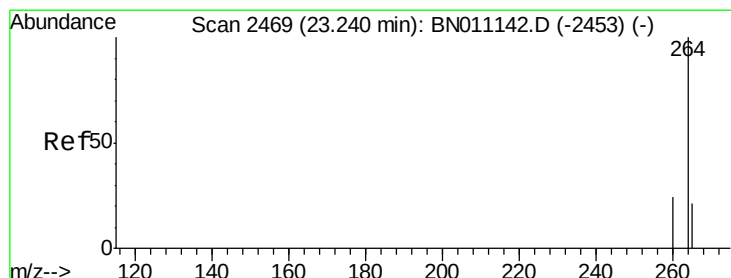
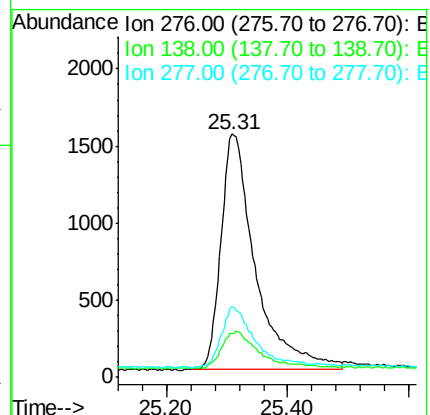
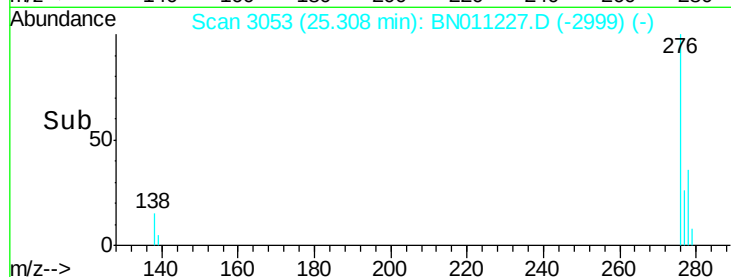
276 100

138 15.7 13.0 19.6

277 24.8 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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.23 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

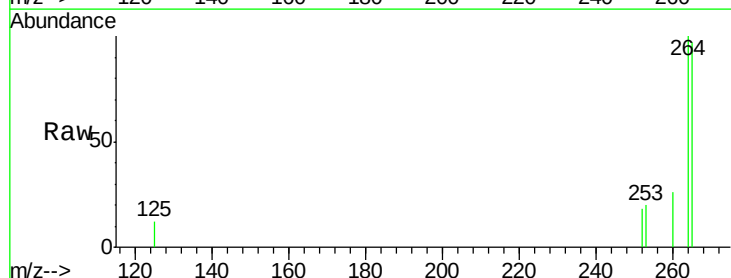
Tgt Ion:264 Resp: 4468

Ion Ratio Lower Upper

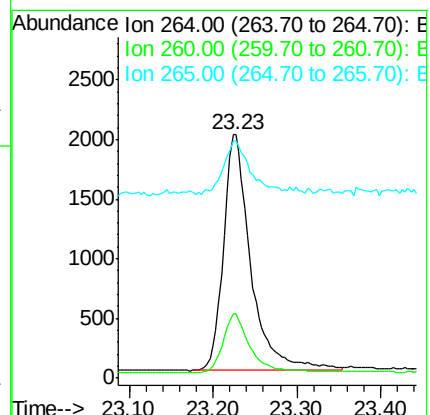
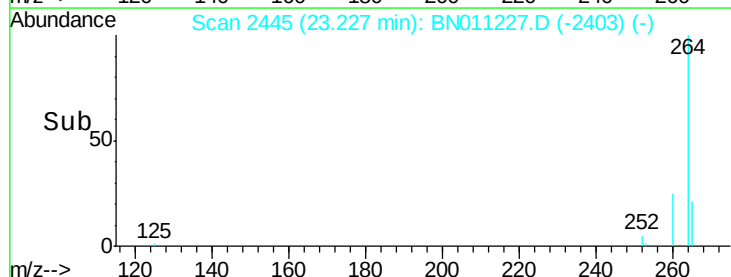
264 100

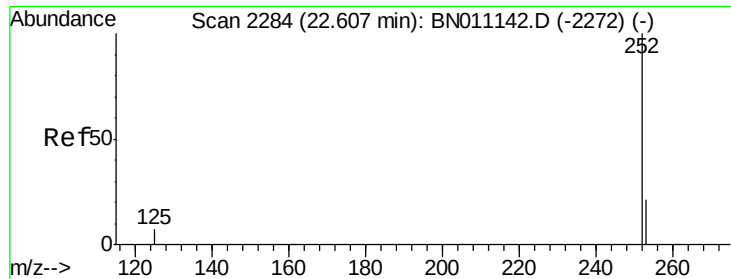
260 26.2 20.1 30.1

265 97.3 76.6 115.0



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

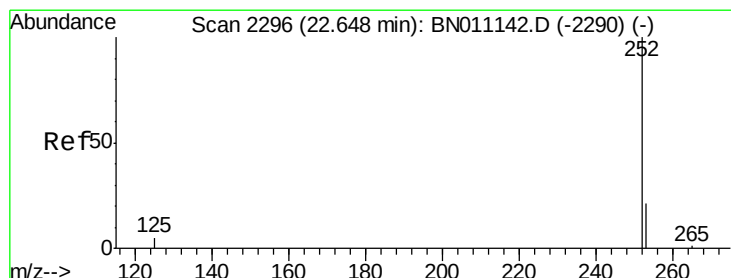
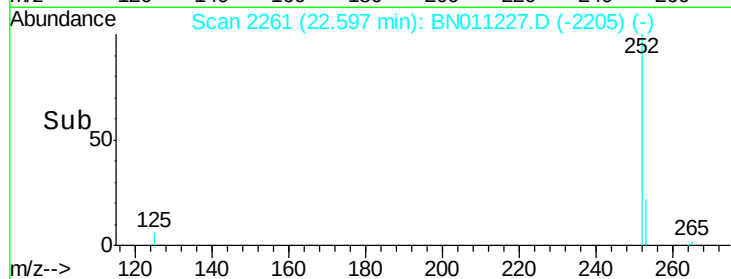
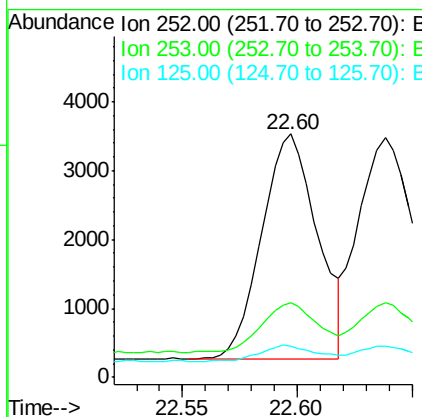
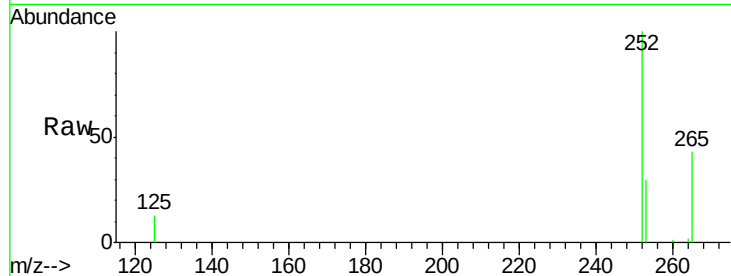




#37  
Benzo(b)fluoranthene  
Concen: 0.307 ng  
RT: 22.60 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

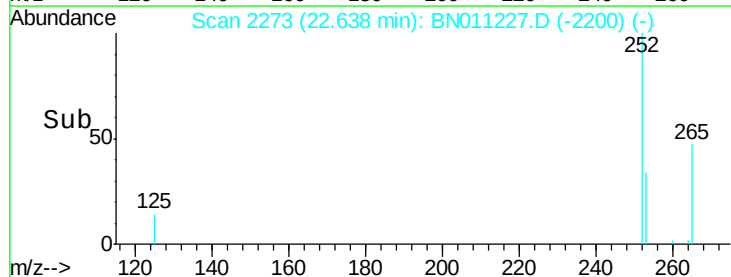
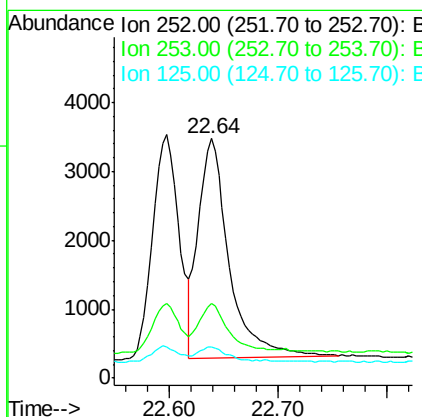
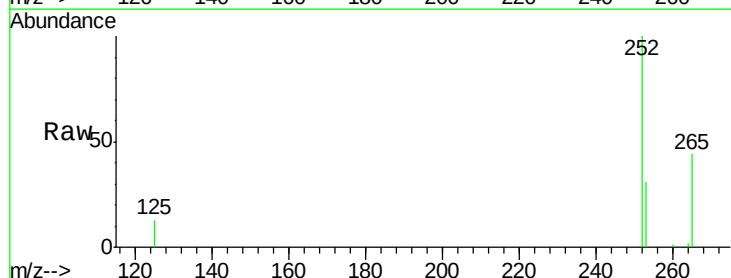
Instrument :  
BNA\_N  
ClientSampleId :  
PB130401BSD

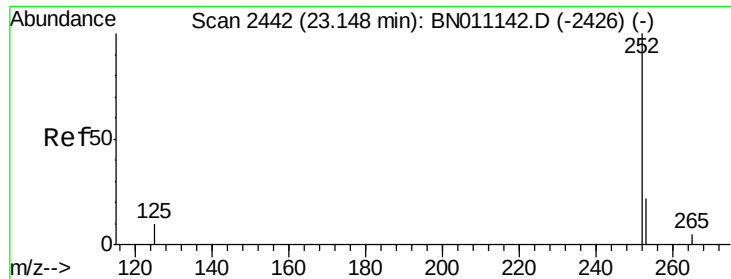
Tot Ion:252 Resp: 5506  
Ion Ratio Lower Upper  
252 100  
253 30.4 22.6 34.0  
125 12.5 9.6 14.4



#38  
Benzo(k)fluoranthene  
Concen: 0.310 ng  
RT: 22.64 min Scan# 2273  
Delta R.T. -0.01 min  
Lab File: BN011227.D  
Acq: 22 Jul 2020 20:49

Tgt Ion:252 Resp: 6294  
Ion Ratio Lower Upper  
252 100  
253 31.1 22.2 33.4  
125 12.8 11.0 16.4





#39

Benzo(a)pyrene

Concen: 0.295 ng

RT: 23.13 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD

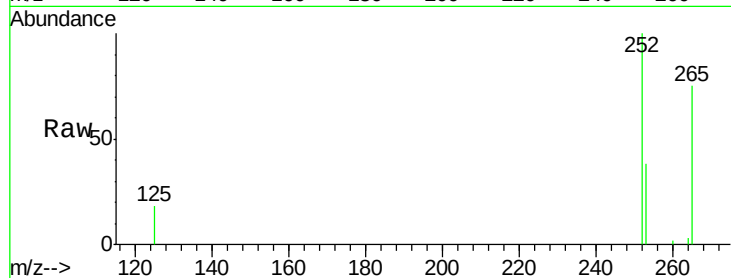
Tot Ion:252 Resp: 4761

Ion Ratio Lower Upper

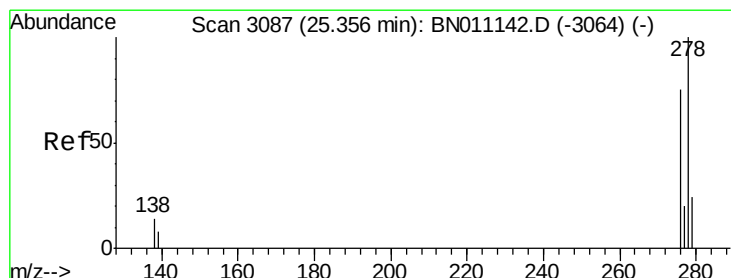
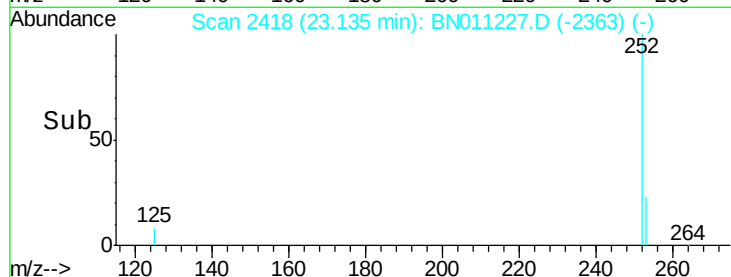
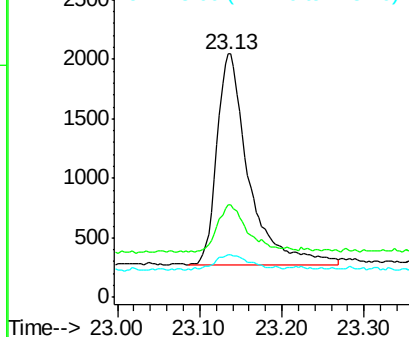
252 100

253 38.1 25.8 38.6

125 17.7 13.4 20.0



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



#40

Dibenzo(a,h)anthracene

Concen: 0.280 ng

RT: 25.34 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BN011227.D

Acq: 22 Jul 2020 20:49

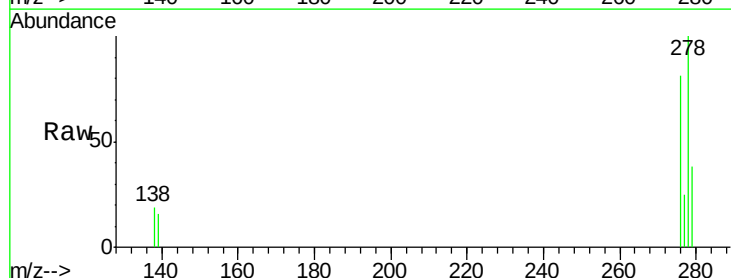
Tgt Ion:278 Resp: 4803

Ion Ratio Lower Upper

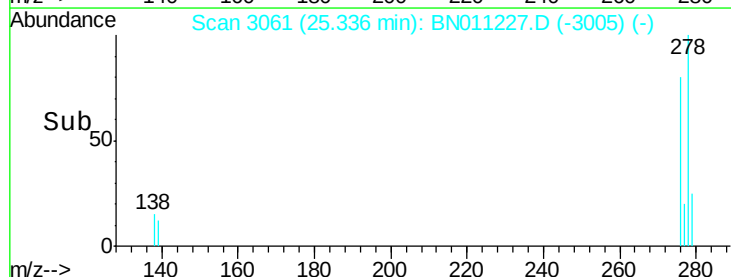
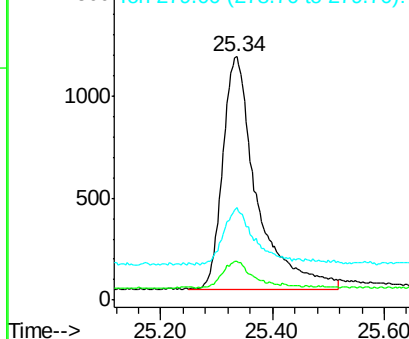
278 100

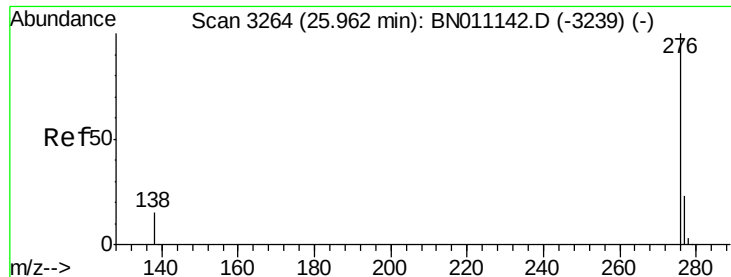
139 15.9 11.7 17.5

279 37.9 25.0 37.6#



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





#41

Benzo(a,h,i)perylene

Concen: 0.319 ng

RT: 25.94 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BN011227.D

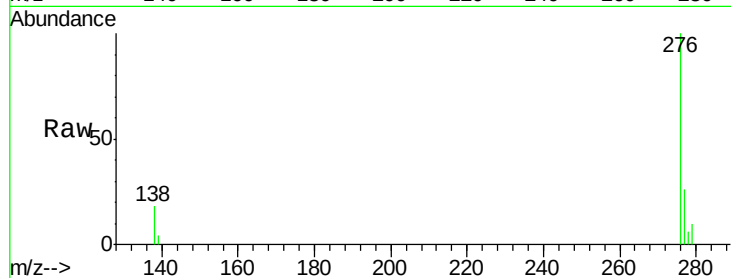
Acq: 22 Jul 2020 20:49

Instrument :

BNA\_N

ClientSampleId :

PB130401BSD



Tot Ion: 276 Resp: 6003

Ion Ratio Lower Upper

276 100

277 25.8 20.5 30.7

138 17.8 13.8 20.6

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

