

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\  
 Data File : BN010874.D  
 Acq On : 15 Jun 2020 15:15  
 Operator : CG/JU  
 Sample : PB129538BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129538BS

Quant Time: Jun 15 15:45:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 11:09:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 2305     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.30 | 136  | 8123     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.17 | 164  | 4365     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.92 | 188  | 8836     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.13 | 240  | 7820     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.28 | 264  | 8294     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.20  | 112 | 2051 | 0.46 | ng | 0.00 |
| 5) Phenol-d6                | 6.74  | 99  | 2432 | 0.46 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.68  | 82  | 2461 | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.89 | 152 | 5272 | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.67 | 330 | 598  | 0.38 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.79 | 172 | 7192 | 0.42 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.96 | 212 | 9772 | 0.40 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.57 | 244 | 7641 | 0.42 | ng | 0.00 |

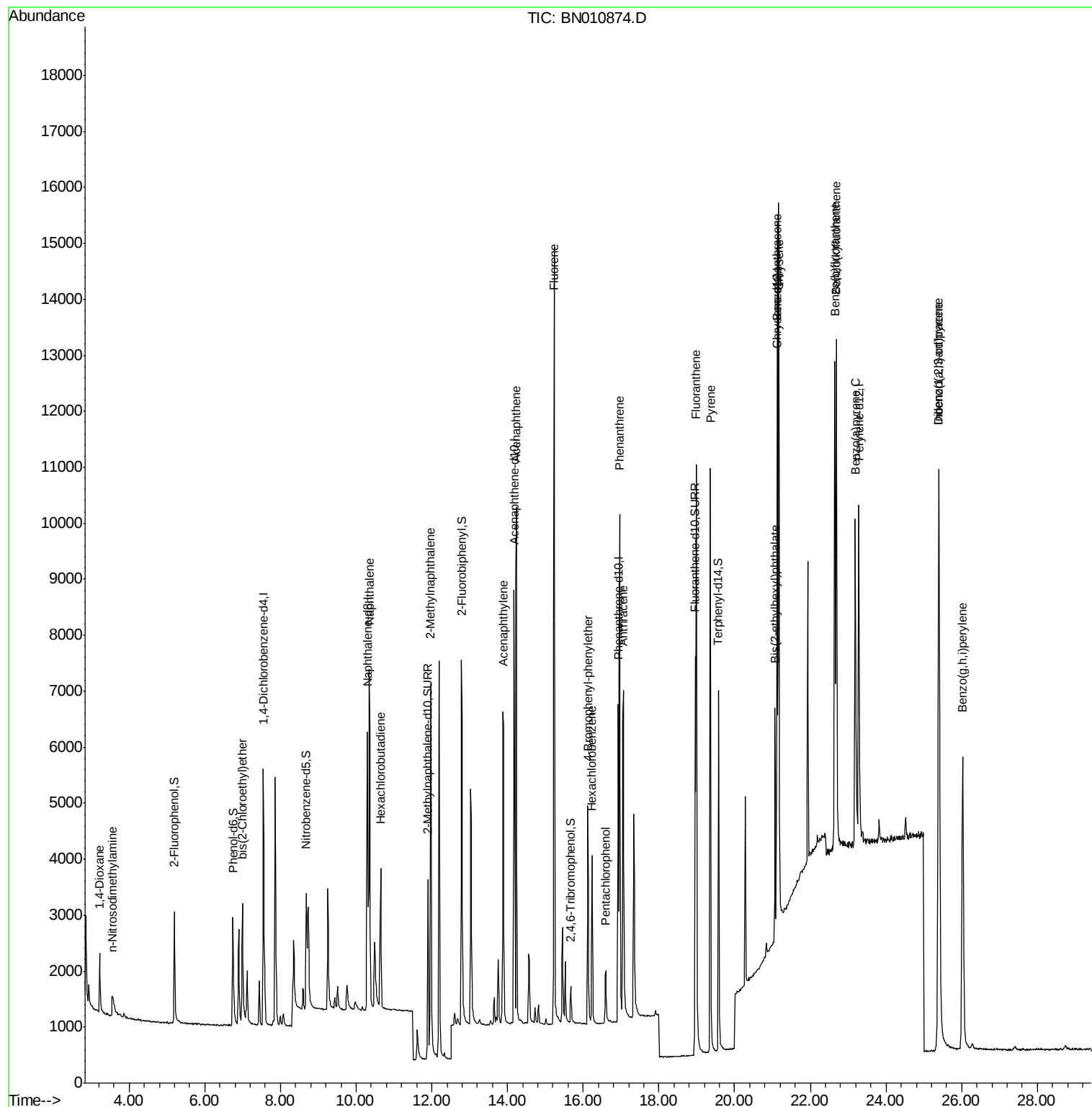
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 977   | 0.433  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 432   | 0.329  | ng | # 93  |
| 6) bis(2-Chloroethyl)ether     | 6.99  | 93  | 2241  | 0.438  | ng | 98    |
| 9) Naphthalene                 | 10.34 | 128 | 8692  | 0.426  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.65 | 225 | 2041  | 0.405  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 11.97 | 142 | 5747  | 0.421  | ng | 99    |
| 16) Acenaphthylene             | 13.88 | 152 | 7508  | 0.420  | ng | 99    |
| 17) Acenaphthene               | 14.24 | 154 | 5103  | 0.419  | ng | 99    |
| 18) Fluorene                   | 15.23 | 166 | 6531  | 0.415  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.12 | 248 | 2101  | 0.396  | ng | # 87  |
| 21) Hexachlorobenzene          | 16.23 | 284 | 2356  | 0.425  | ng | 98    |
| 22) Pentachlorophenol          | 16.59 | 266 | 670   | 0.360  | ng | 97    |
| 23) Phenanthrene               | 16.96 | 178 | 9895  | 0.410  | ng | 100   |
| 24) Anthracene                 | 17.06 | 178 | 8251  | 0.409  | ng | 99    |
| 26) Fluoranthene               | 18.99 | 202 | 10909 | 0.398  | ng | 99    |
| 28) Pyrene                     | 19.36 | 202 | 10944 | 0.423  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.11 | 228 | 9619  | 0.418  | ng | 98    |
| 31) Chrysene                   | 21.16 | 228 | 11217 | 0.419  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 3597  | 0.469  | ng | 96    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.39 | 276 | 13236 | 0.442  | ng | # 94  |
| 35) Benzo(b)fluoranthene       | 22.65 | 252 | 11183 | 0.397  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 22.69 | 252 | 11661 | 0.388  | ng | 99    |
| 37) Benzo(a)pyrene             | 23.19 | 252 | 9583  | 0.396  | ng | 96    |
| 38) Dibenzo(a,h)anthracene     | 25.40 | 278 | 10848 | 0.393  | ng | 98    |
| 39) Benzo(g,h,i)perylene       | 26.02 | 276 | 11440 | 0.397  | ng | 98    |

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

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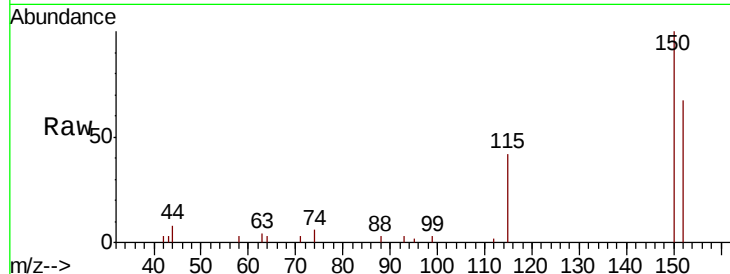


#1

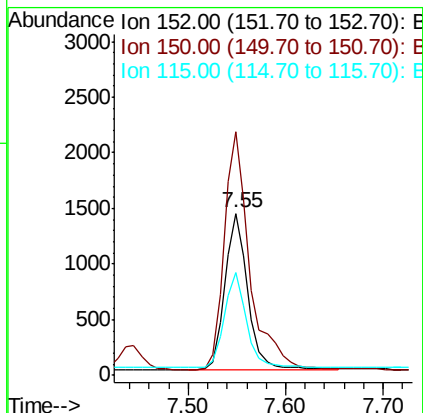
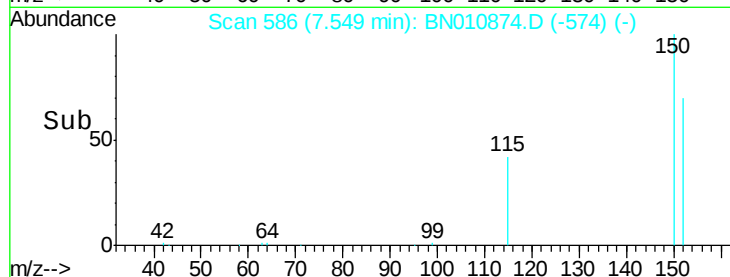
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.55 min Scan# 586  
Delta R.T. -0.00 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.1 | 123.8 | 185.6 |
| 115     | 63.1  | 49.2  | 73.8  |



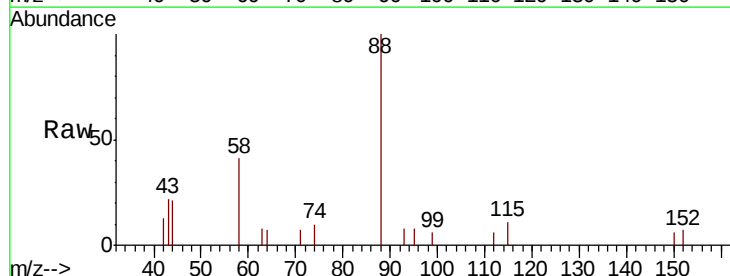
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



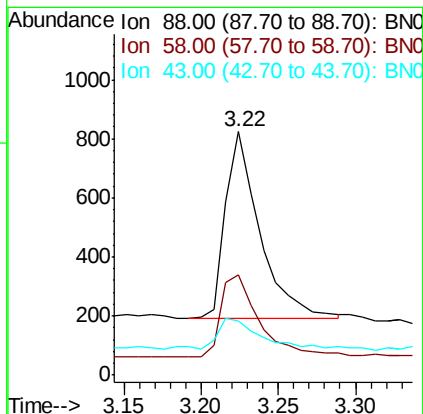
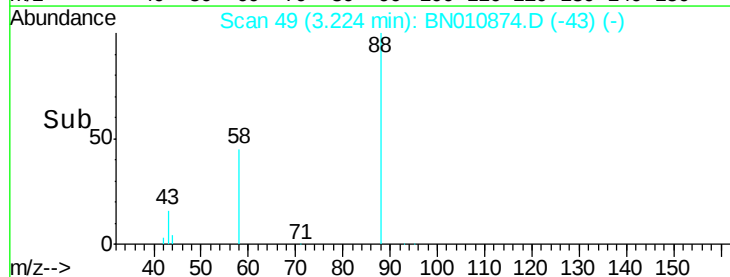
#2

1,4-Dioxane  
Concen: 0.433 ng  
RT: 3.22 min Scan# 49  
Delta R.T. -0.00 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 49.2  | 38.2  | 57.4  |
| 43      | 18.8  | 15.1  | 22.7  |



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



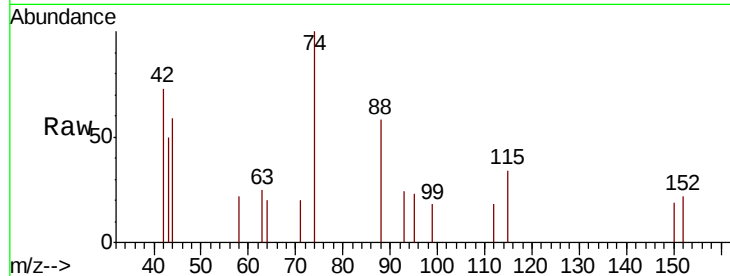


#3

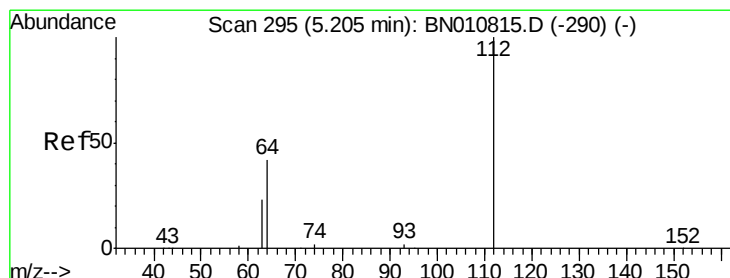
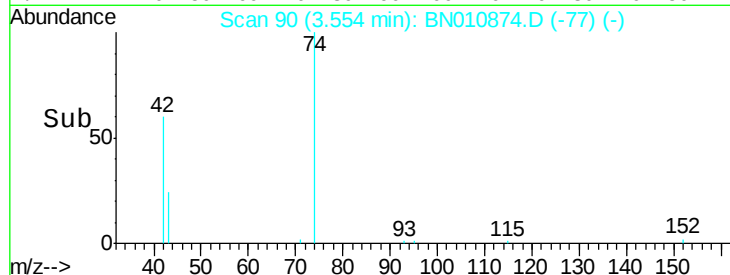
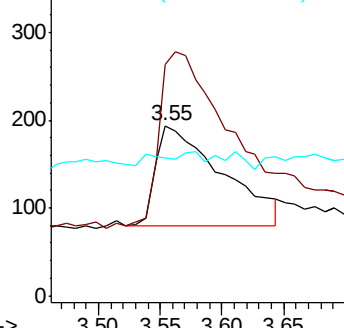
n-Nitrosodimethylamine  
 Concen: 0.329 ng  
 RT: 3.55 min Scan# 90  
 Delta R.T. 0.01 min  
 Lab File: BN010874.D  
 Acq: 15 Jun 2020 15:15

Instrument :  
 BNA\_N  
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 PB129538BS

Tot Ion: 42 Resp: 432  
 Ion Ratio Lower Upper  
 42 100  
 74 185.9 140.7 211.1  
 44 0.0 1.4 2.2#



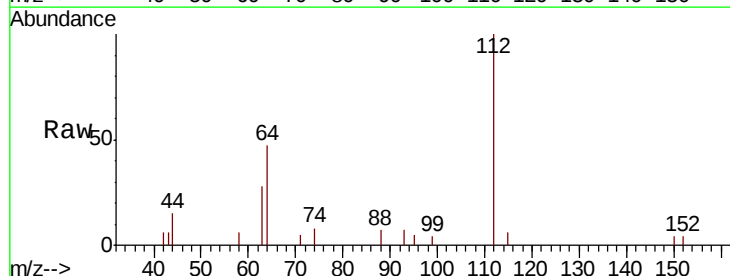
Abundance Ion 42.00 (41.70 to 42.70): BN0  
 Ion 74.00 (73.70 to 74.70): BN0  
 Ion 44.00 (43.70 to 44.70): BN0



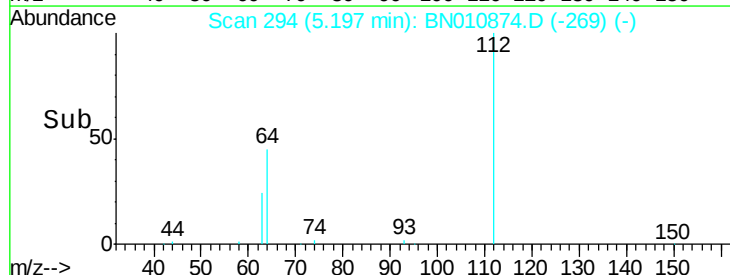
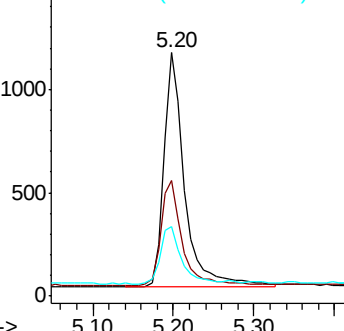
#4

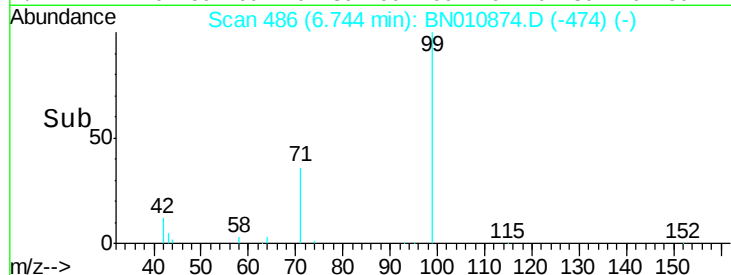
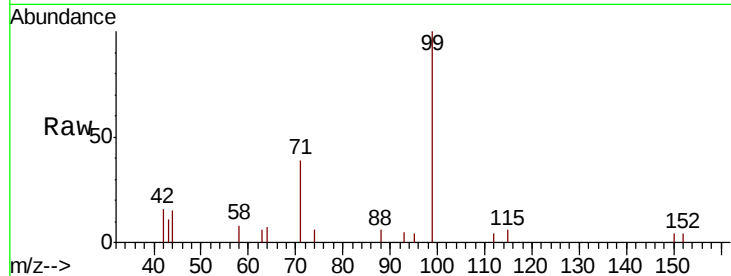
2-Fluorophenol  
 Concen: 0.461 ng  
 RT: 5.20 min Scan# 294  
 Delta R.T. -0.00 min  
 Lab File: BN010874.D  
 Acq: 15 Jun 2020 15:15

Tgt Ion: 112 Resp: 2051  
 Ion Ratio Lower Upper  
 112 100  
 64 46.6 37.4 56.0  
 63 24.8 22.2 33.4



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: 0.464 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

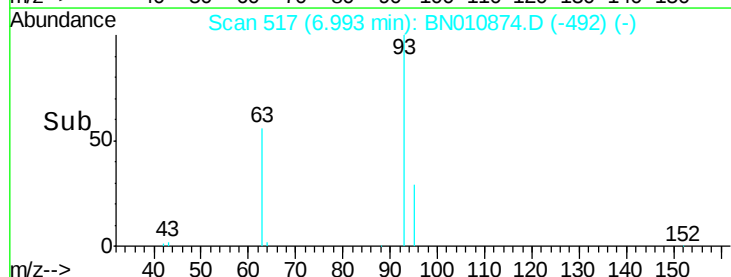
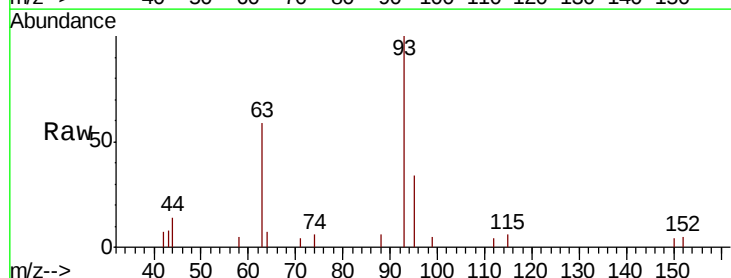
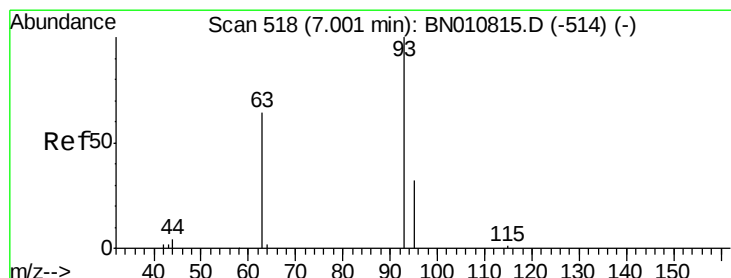
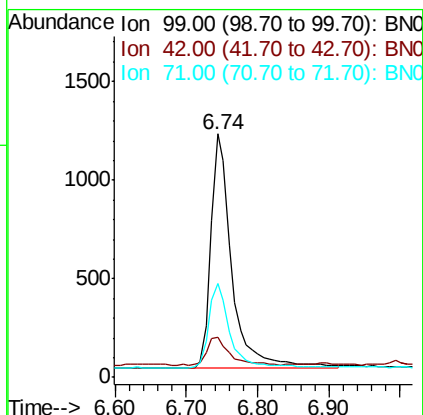
Tot Ion: 99 Resp: 2432

Ion Ratio Lower Upper

99 100

42 12.3 11.1 16.7

71 36.5 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.438 ng

RT: 6.99 min Scan# 517

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

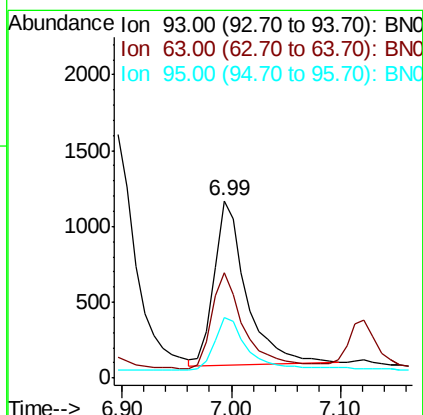
Tgt Ion: 93 Resp: 2241

Ion Ratio Lower Upper

93 100

63 58.9 49.4 74.2

95 33.3 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

Tot Ion:136 Resp: 8123

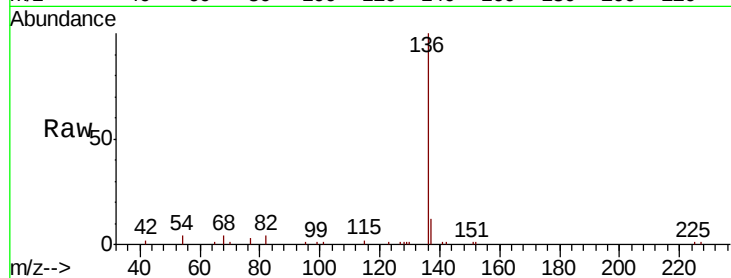
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 3.7 4.9 7.3#

68 4.2 4.7 7.1#

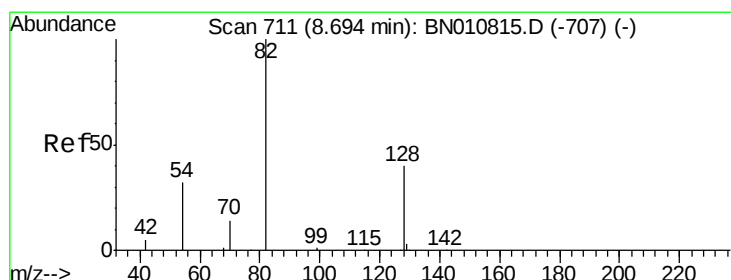
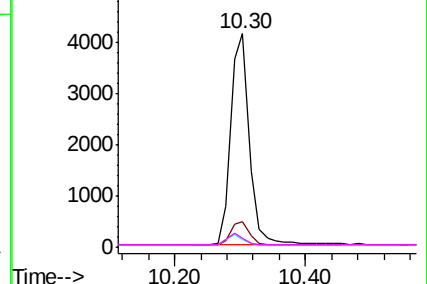
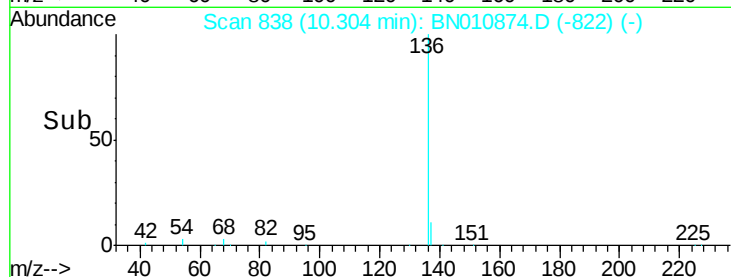


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.409 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

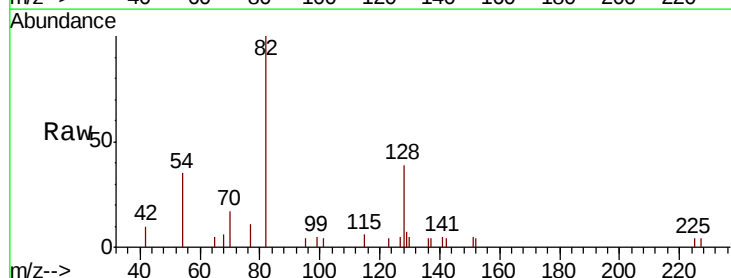
Tgt Ion: 82 Resp: 2461

Ion Ratio Lower Upper

82 100

128 39.2 35.4 53.0

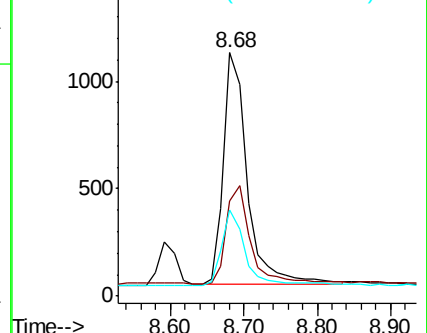
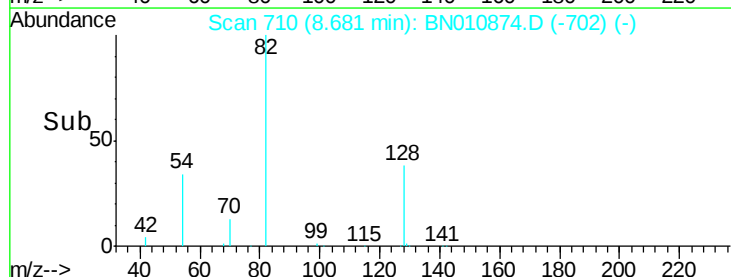
54 35.4 28.2 42.4



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: 0.426 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

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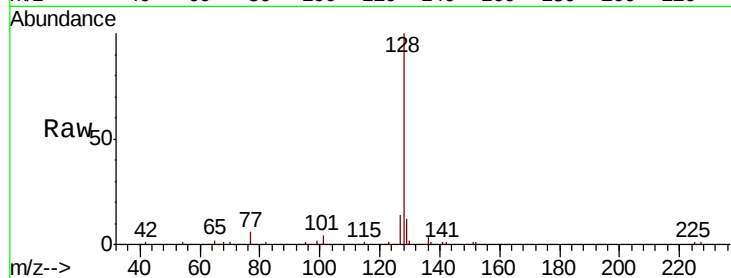
Tot Ion:128 Resp: 8692

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

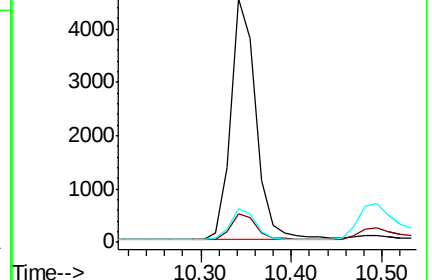
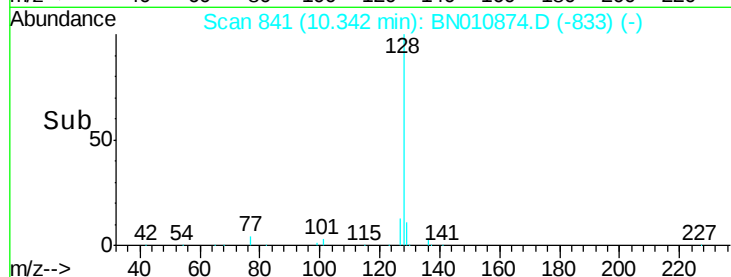
127 14.0 11.4 17.2



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: 0.405 ng

RT: 10.65 min Scan# 865

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

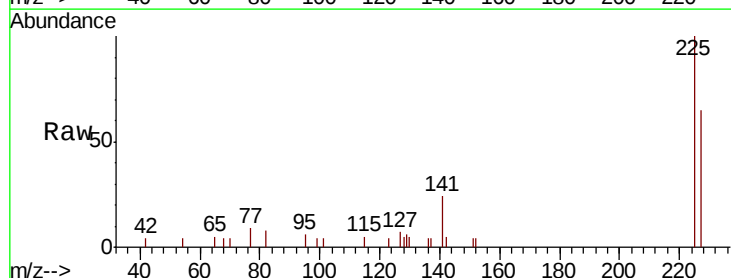
Tgt Ion:225 Resp: 2041

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

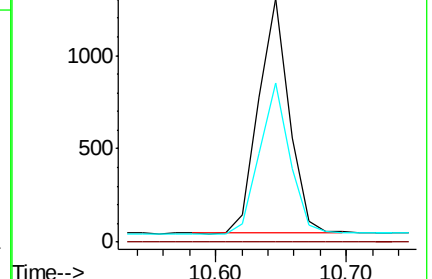
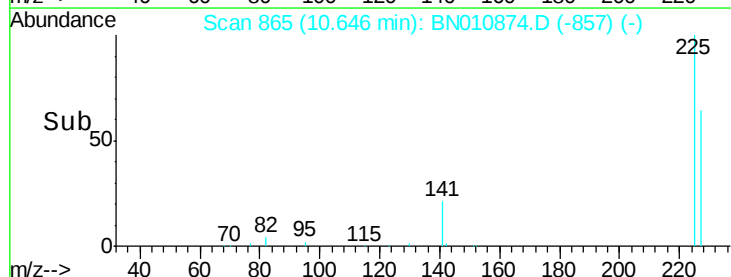
227 63.3 50.5 75.7

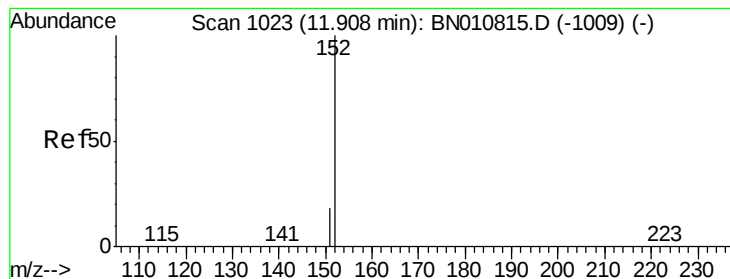


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.418 ng

RT: 11.89 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

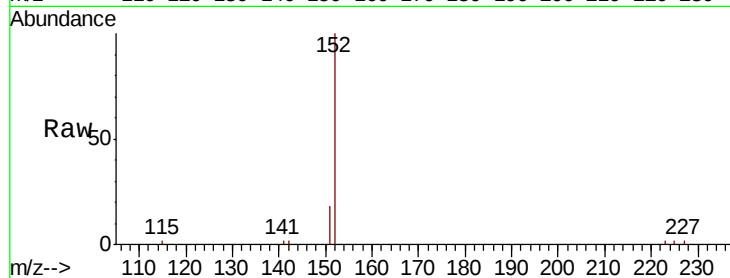
PB129538BS

Tot Ion:152 Resp: 5272

Ion Ratio Lower Upper

152 100

151 19.2 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.89

3000

2500

2000

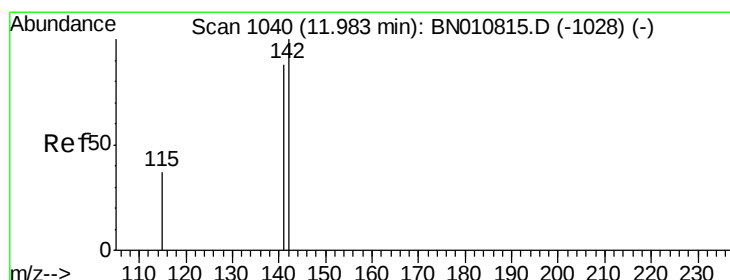
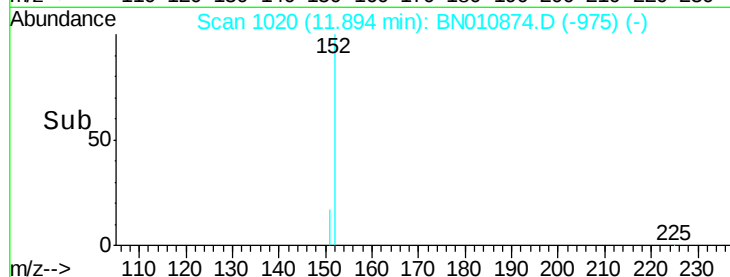
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.421 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

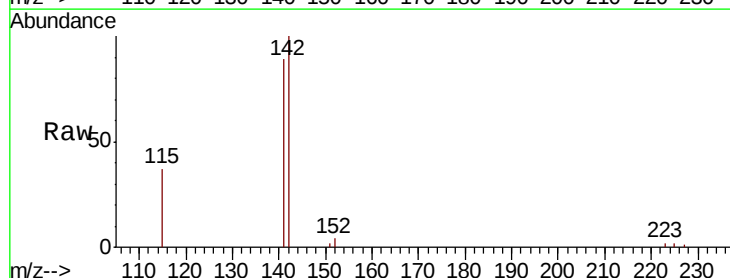
Tgt Ion:142 Resp: 5747

Ion Ratio Lower Upper

142 100

141 89.0 70.8 106.2

115 37.3 31.5 47.3



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

4000

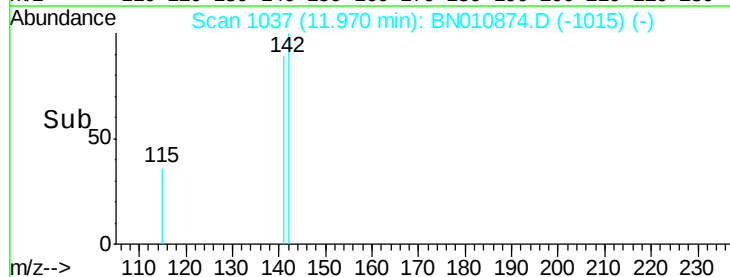
3000

2000

1000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

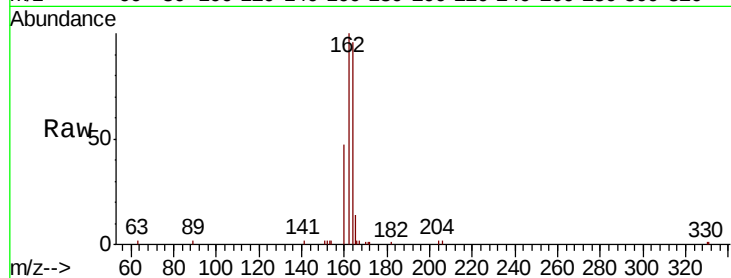
Tot Ion:164 Resp: 4365

Ion Ratio Lower Upper

164 100

162 104.3 81.0 121.6

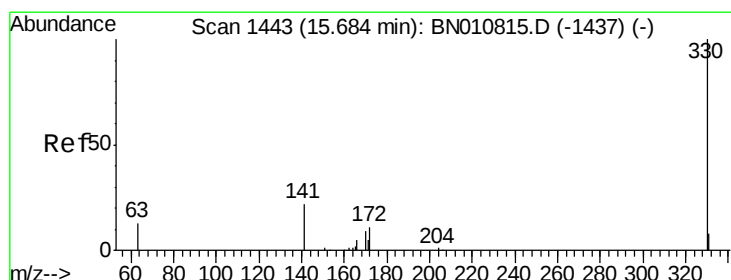
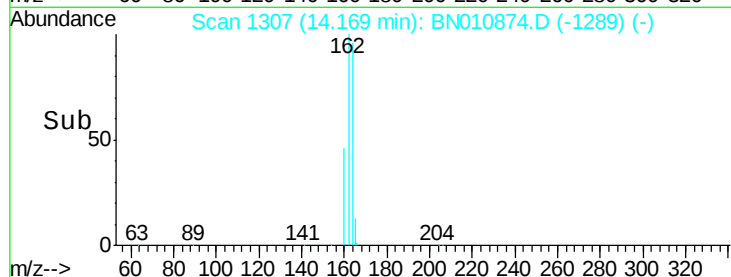
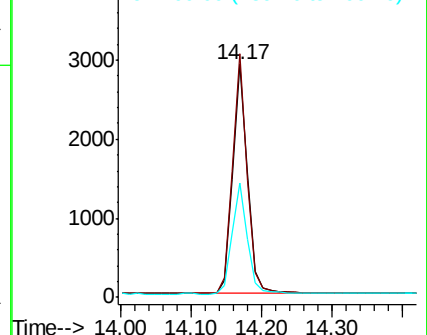
160 49.2 38.9 58.3



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: 0.383 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

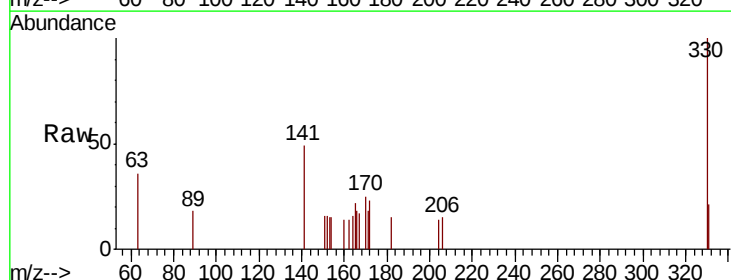
Tgt Ion:330 Resp: 598

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

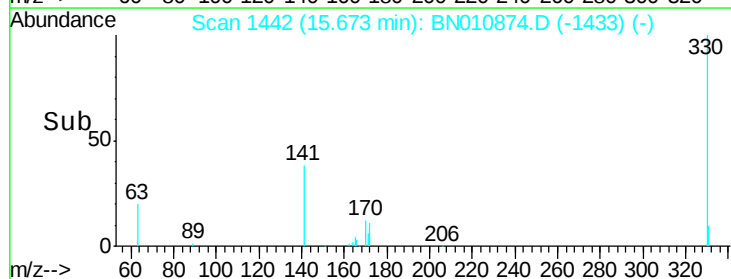
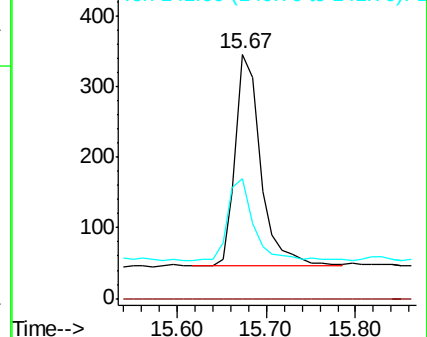
141 41.1 33.2 49.8



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

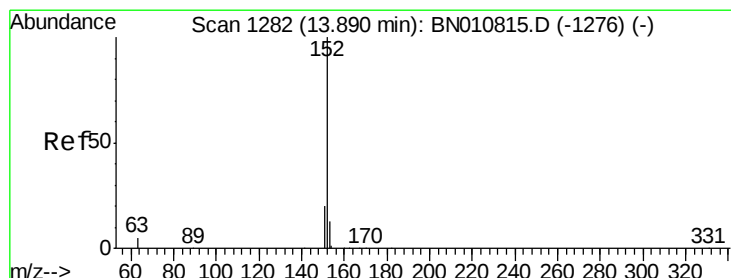
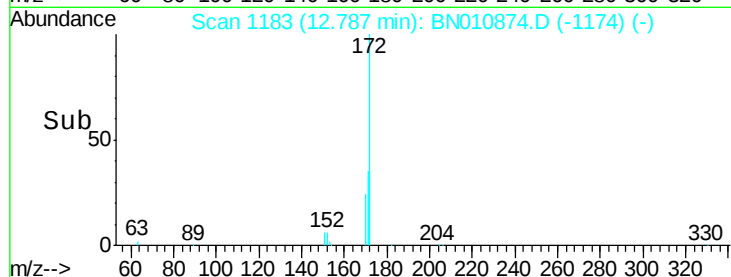
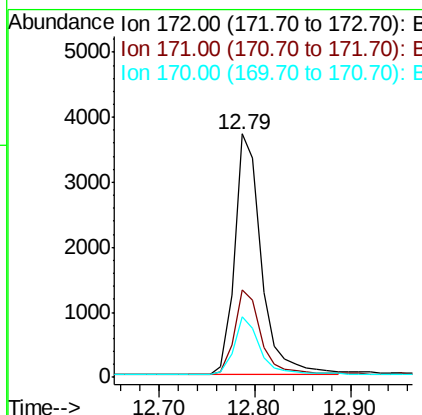
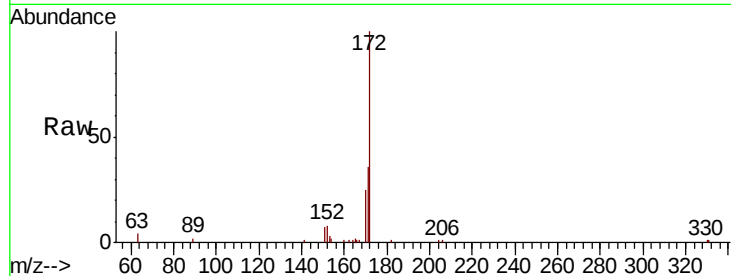




#15  
2-Fluorobiphenyl  
Concen: 0.418 ng  
RT: 12.79 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

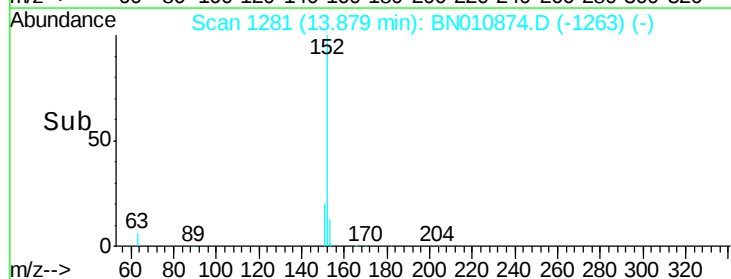
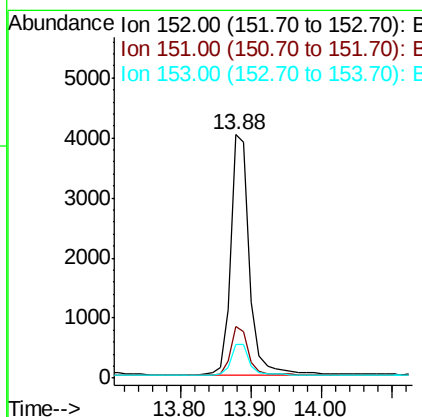
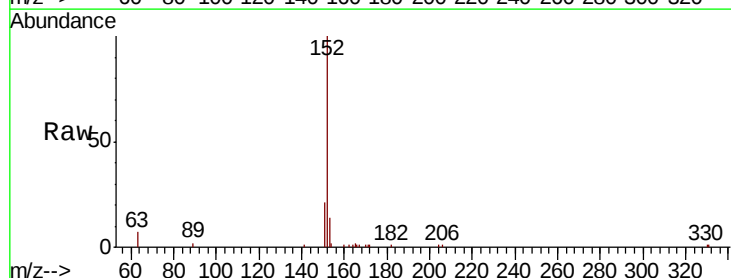
Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BS

Tot Ion:172 Resp: 7192  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.5 42.7  
170 24.8 19.7 29.5



#16  
Acenaphthylene  
Concen: 0.420 ng  
RT: 13.88 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

Tgt Ion:152 Resp: 7508  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.6 23.4  
153 13.1 10.6 16.0





#17

Acenaphthene

Concen: 0.419 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

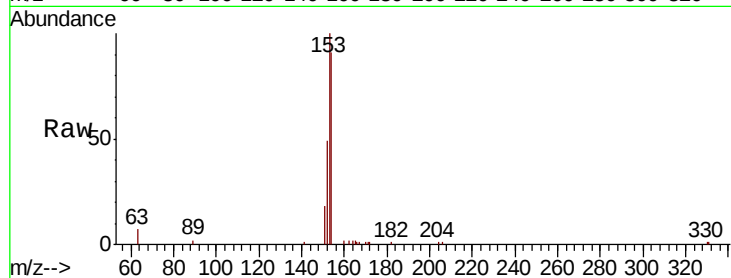
Tot Ion:154 Resp: 5103

Ion Ratio Lower Upper

154 100

153 114.9 91.8 137.6

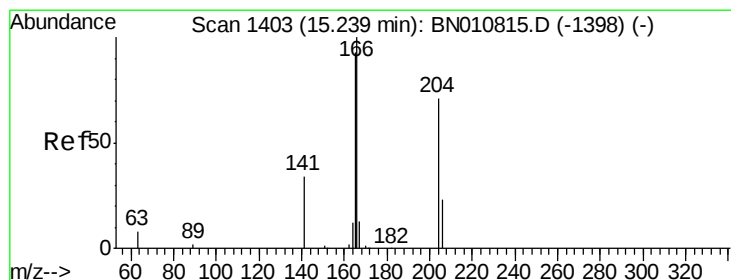
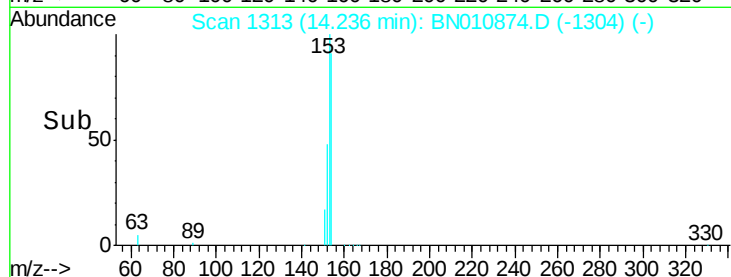
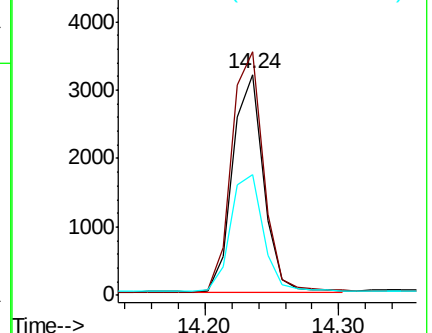
152 58.3 47.6 71.4



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: 0.415 ng

RT: 15.23 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

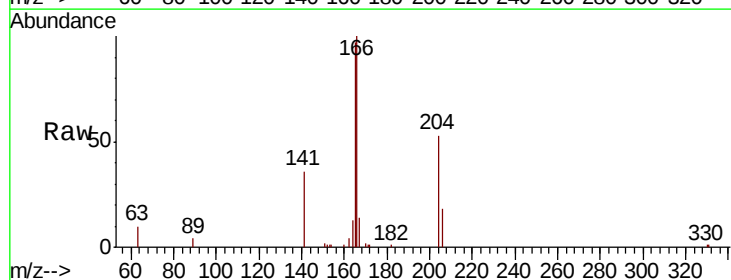
Tgt Ion:166 Resp: 6531

Ion Ratio Lower Upper

166 100

165 97.3 77.2 115.8

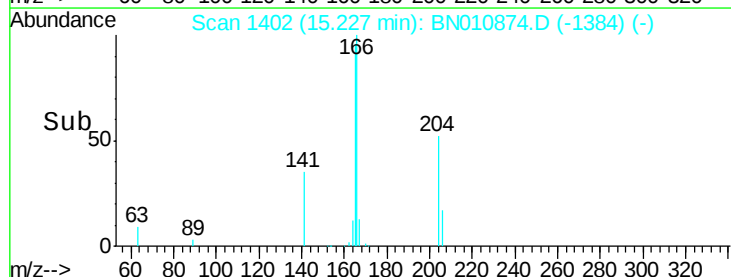
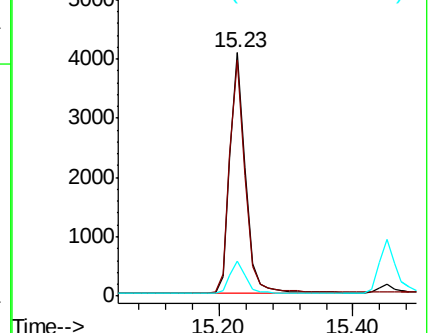
167 13.4 10.7 16.1

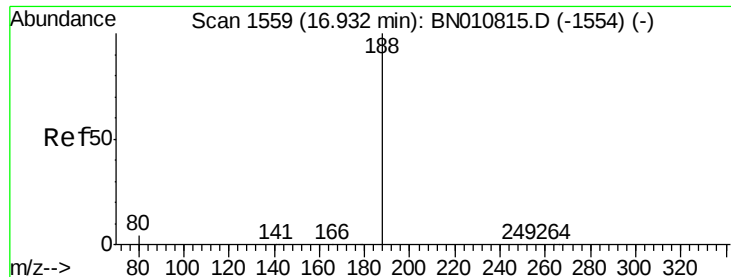


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

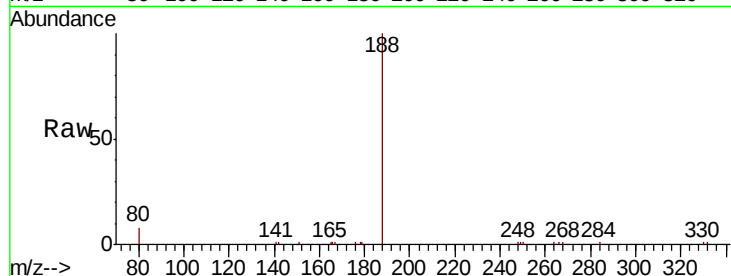
Tot Ion:188 Resp: 8836

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

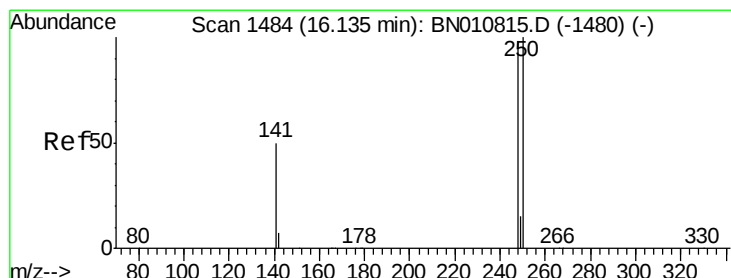
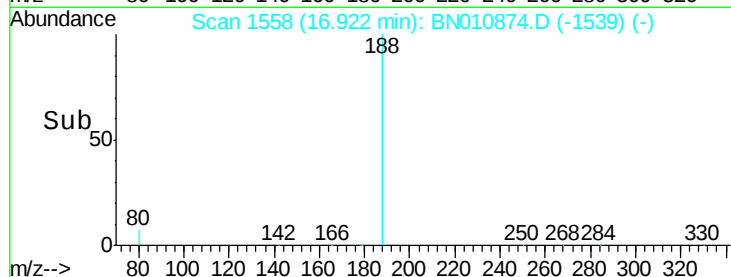
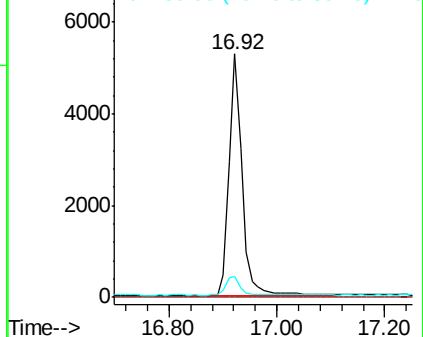
80 8.4 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.396 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

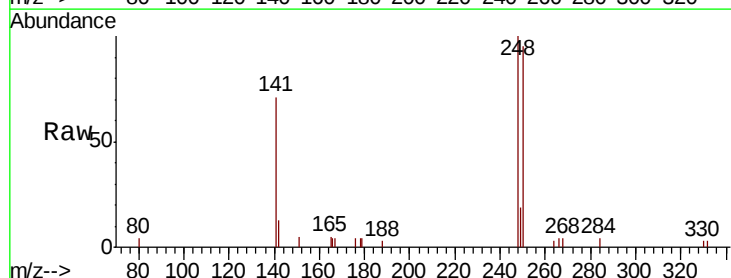
Tgt Ion:248 Resp: 2101

Ion Ratio Lower Upper

248 100

250 94.8 81.8 122.8

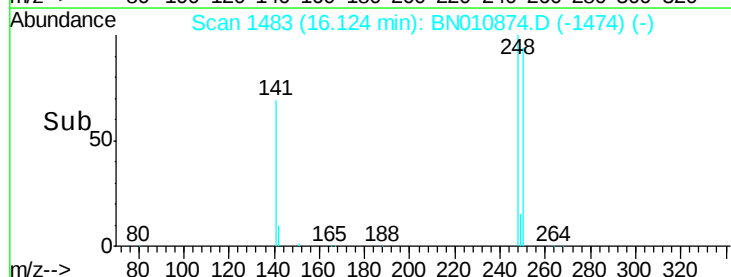
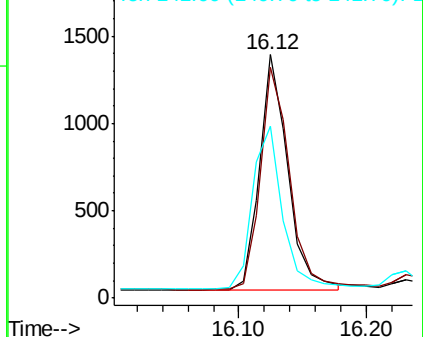
141 70.6 42.6 64.0#

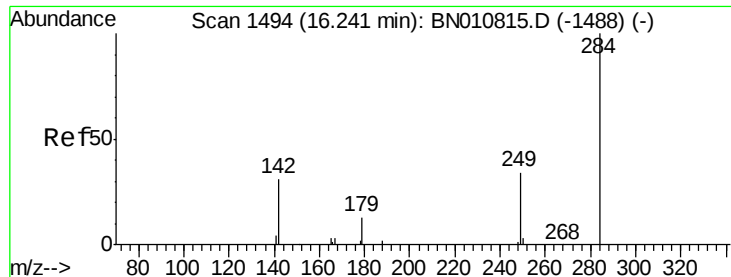


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

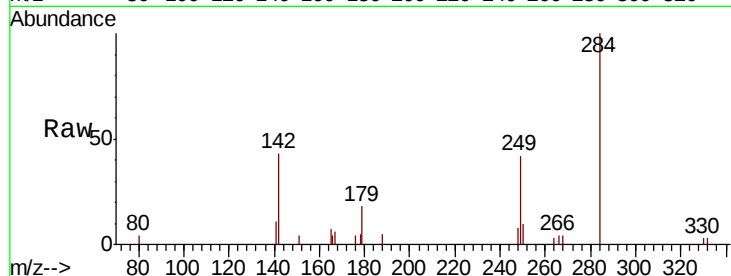




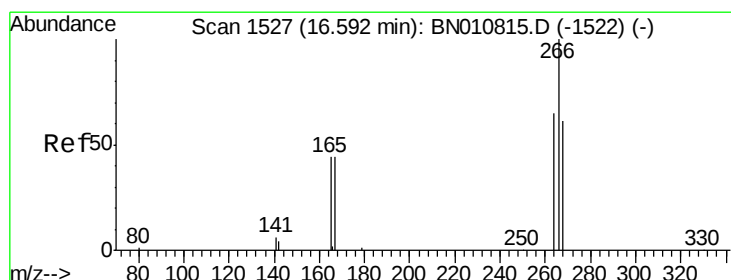
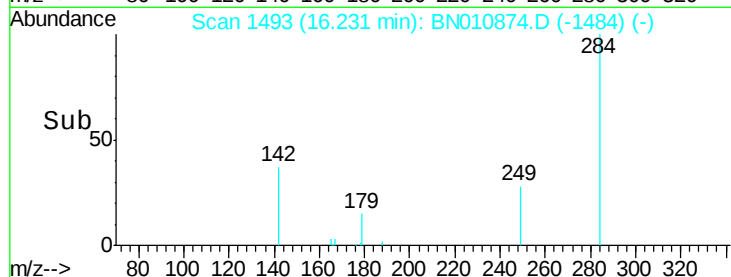
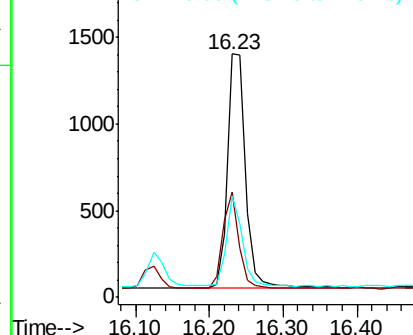
#21  
Hexachlorobenzene  
Concen: 0.425 ng  
RT: 16.23 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BS

Tot Ion:284 Resp: 2356  
Ion Ratio Lower Upper  
284 100  
142 36.4 31.0 46.4  
249 33.6 27.1 40.7

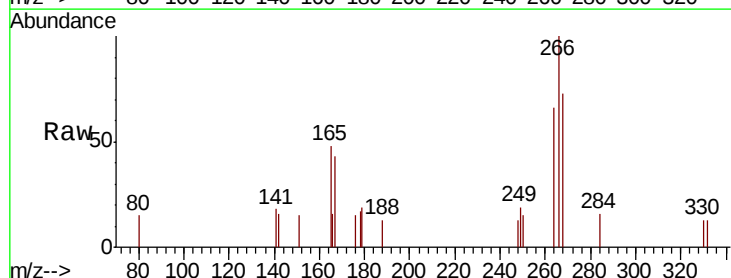


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

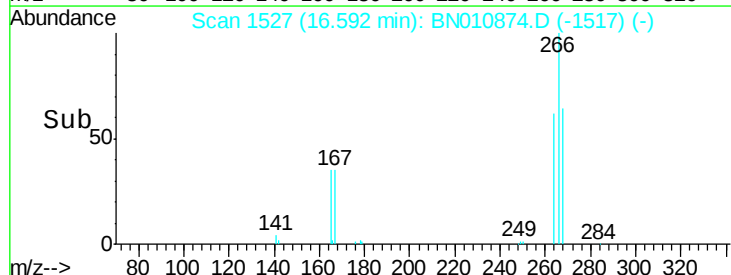
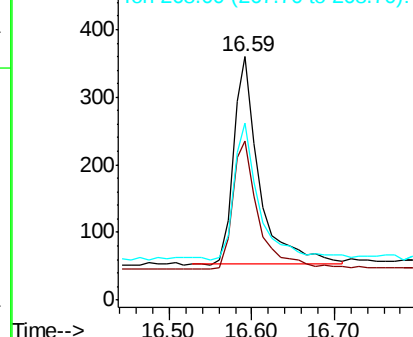


#22  
Pentachlorophenol  
Concen: 0.360 ng  
RT: 16.59 min Scan# 1527  
Delta R.T. 0.01 min  
Lab File: BN010874.D  
Acq: 15 Jun 2020 15:15

Tgt Ion:266 Resp: 670  
Ion Ratio Lower Upper  
266 100  
264 65.6 54.8 82.2  
268 72.5 55.9 83.9



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: 0.410 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

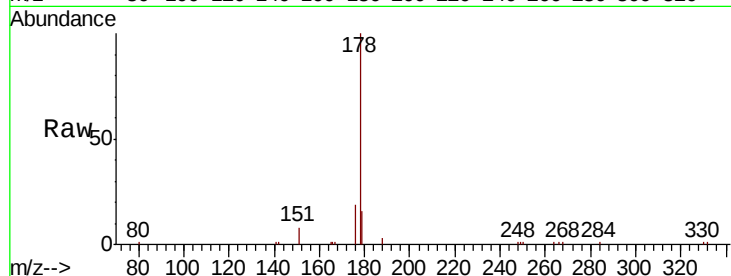
Tot Ion:178 Resp: 9895

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

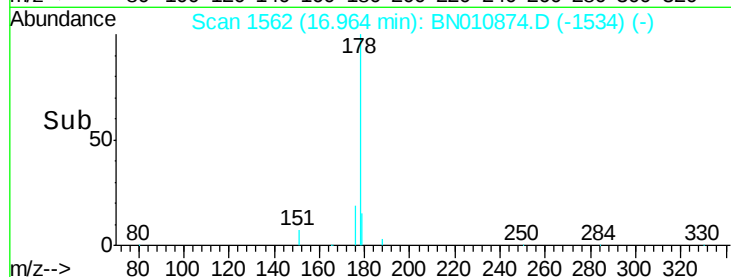
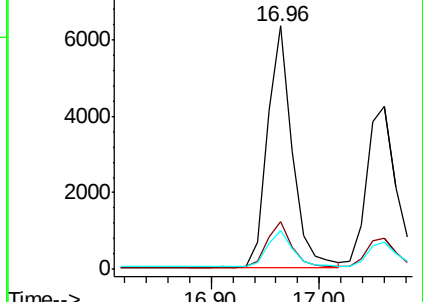
179 15.6 12.6 19.0



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: 17.06 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

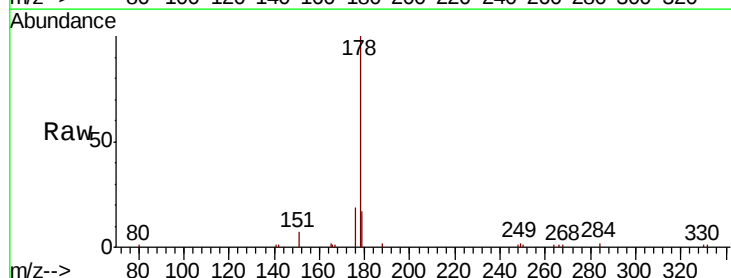
Tgt Ion:178 Resp: 8251

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

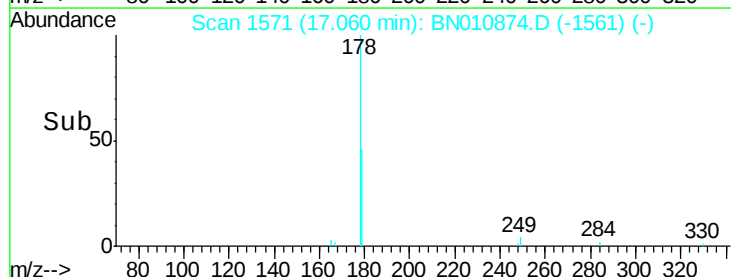
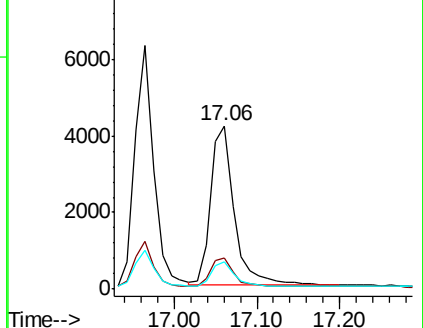
179 15.0 12.3 18.5

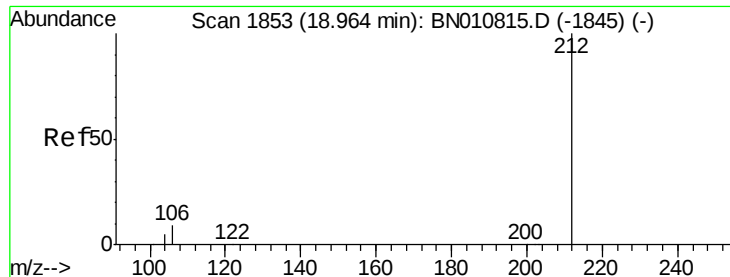


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.401 ng

RT: 18.96 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

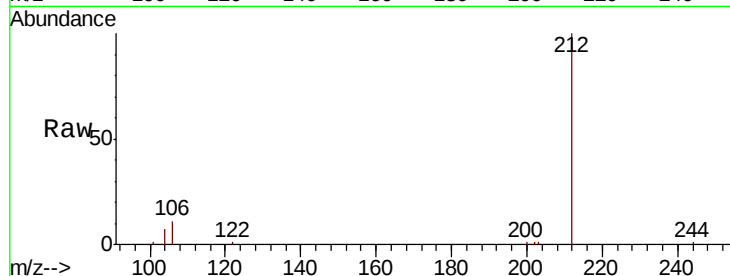
Tot Ion:212 Resp: 9772

Ion Ratio Lower Upper

212 100

106 9.5 6.6 10.0

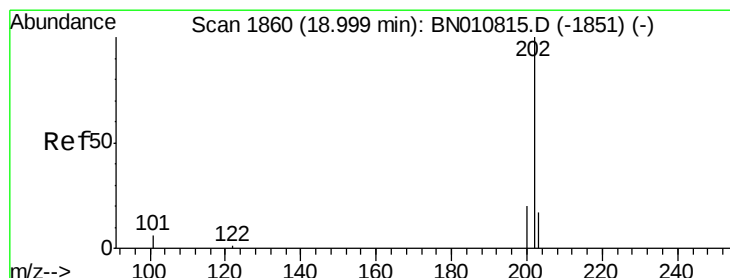
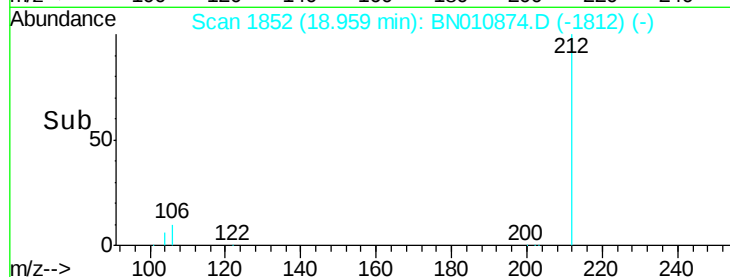
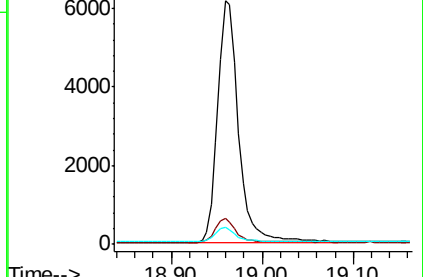
104 5.7 4.0 6.0



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: 0.398 ng

RT: 18.99 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

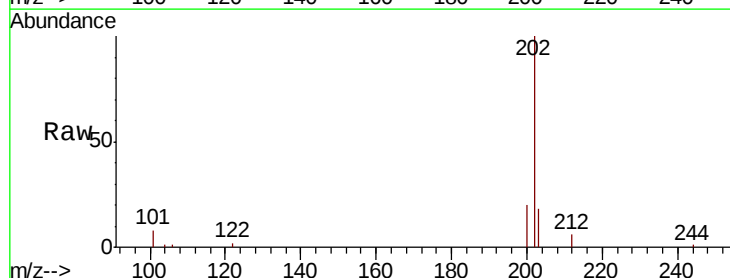
Tgt Ion:202 Resp: 10909

Ion Ratio Lower Upper

202 100

101 8.2 5.8 8.6

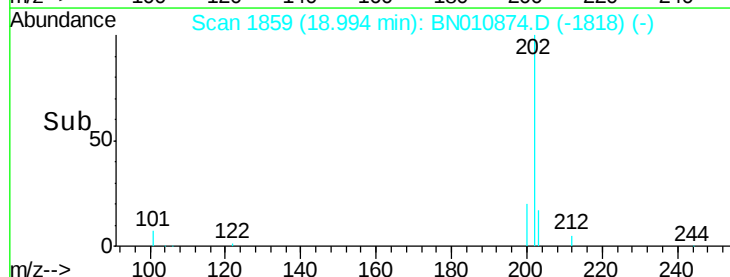
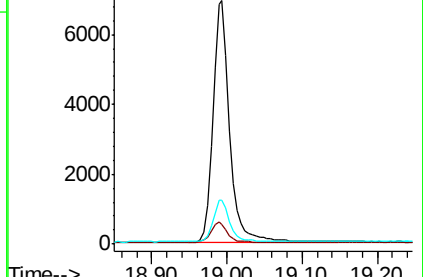
203 17.2 13.7 20.5



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: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

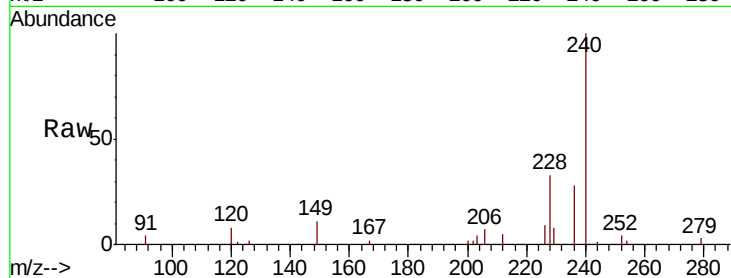
Tot Ion:240 Resp: 7820

Ion Ratio Lower Upper

240 100

120 8.4 7.5 11.3

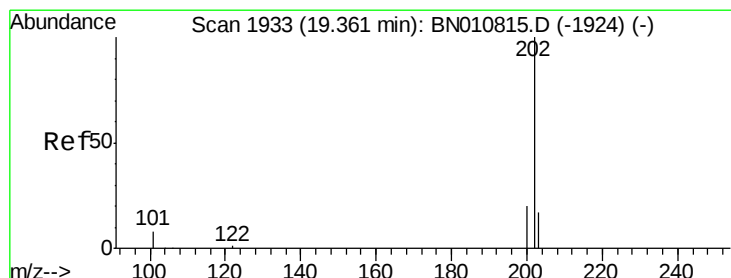
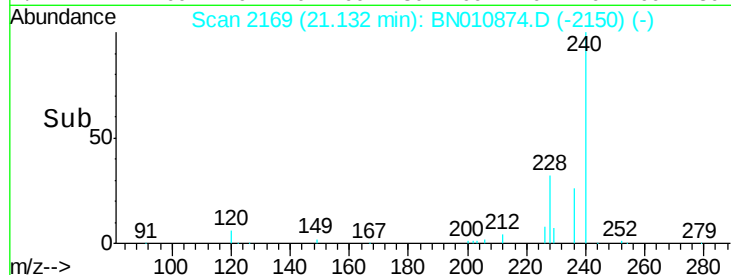
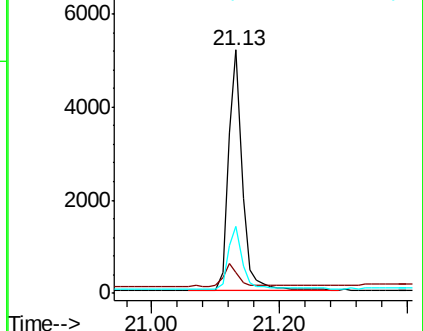
236 27.7 22.3 33.5



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: 0.423 ng

RT: 19.36 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

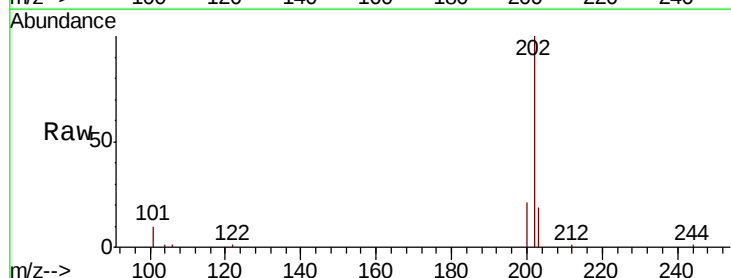
Tgt Ion:202 Resp: 10944

Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

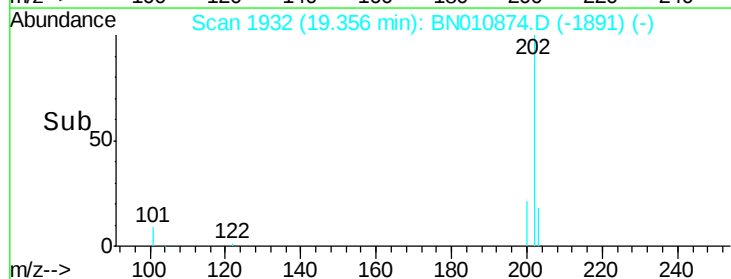
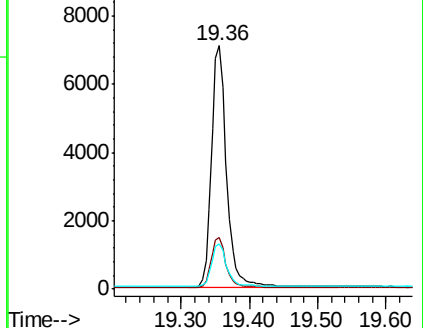
203 17.5 14.2 21.4

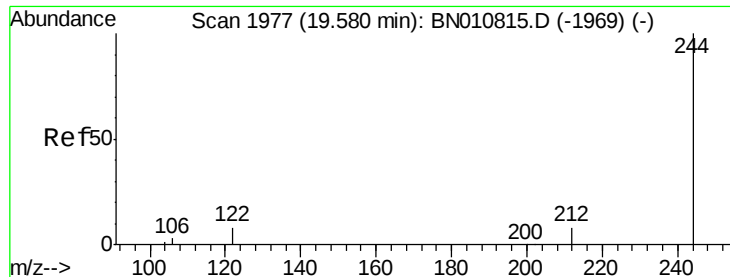


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.417 ng

RT: 19.57 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

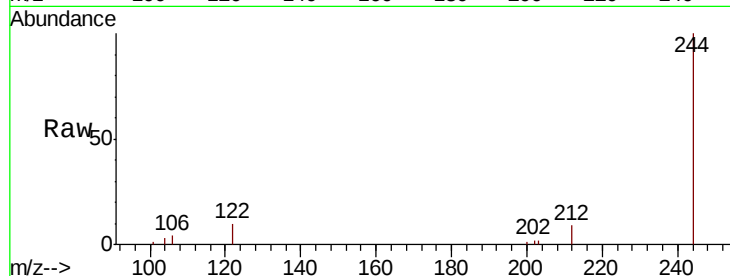
Tot Ion:244 Resp: 7641

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.2

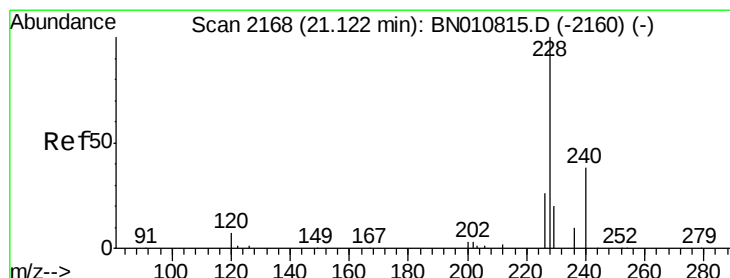
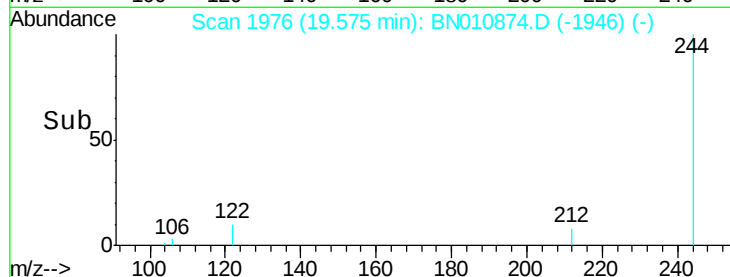
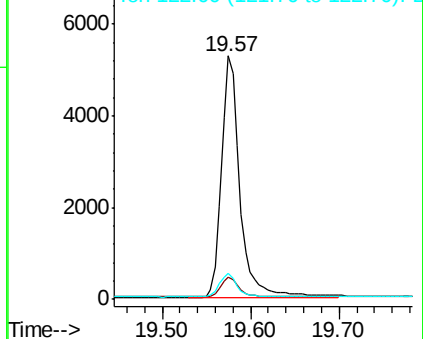
122 10.5 7.5 11.3



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: 0.418 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

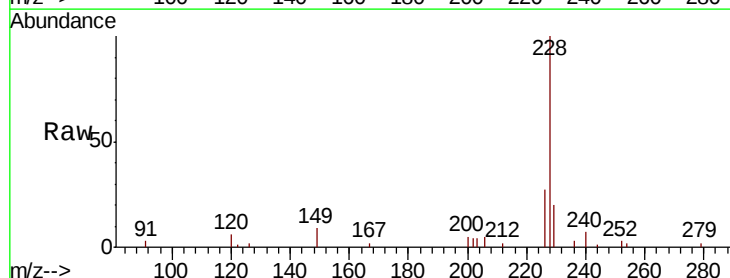
Tgt Ion:228 Resp: 9619

Ion Ratio Lower Upper

228 100

226 27.5 21.3 31.9

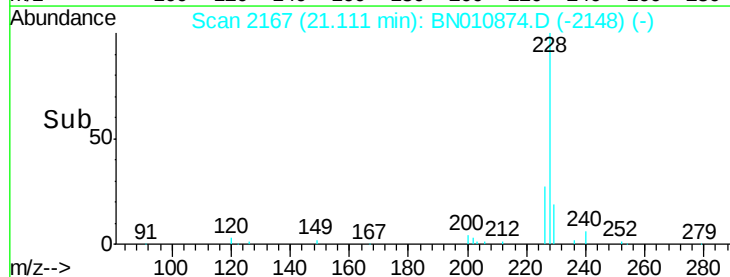
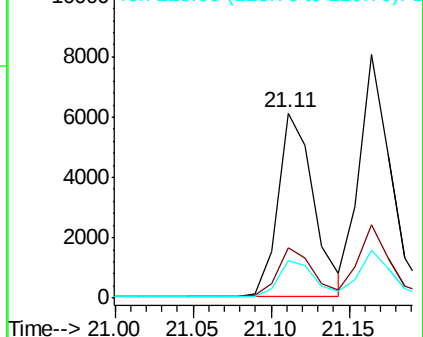
229 19.9 16.6 24.8



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





#31

Chrysene

Concen: 0.419 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

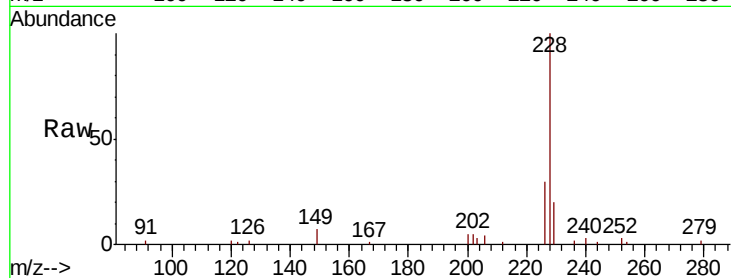
Tot Ion:228 Resp: 11217

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

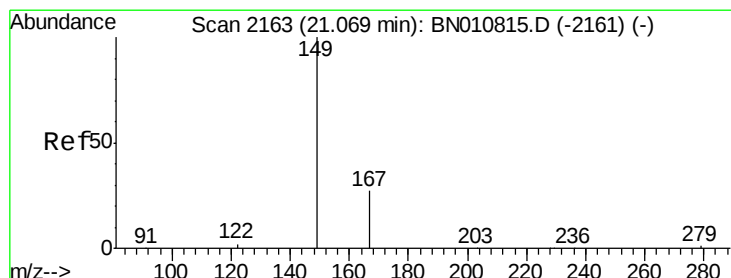
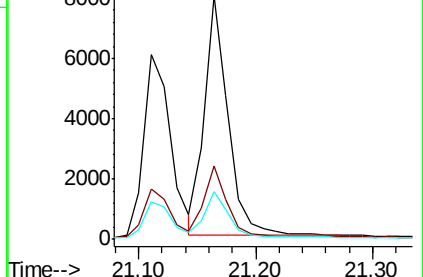
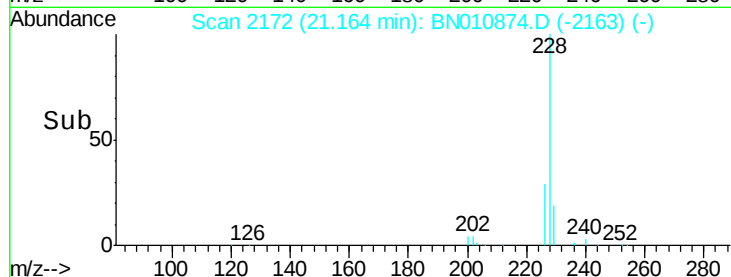
229 19.6 16.1 24.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.469 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

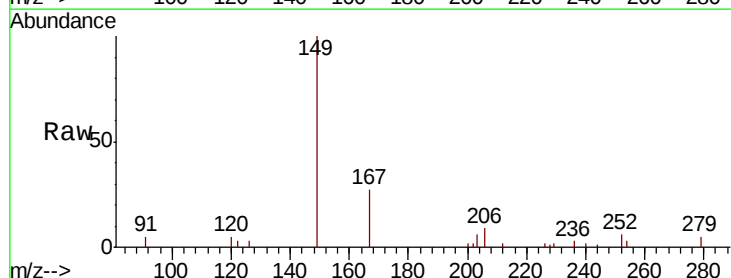
Tgt Ion:149 Resp: 3597

Ion Ratio Lower Upper

149 100

167 27.4 24.1 36.1

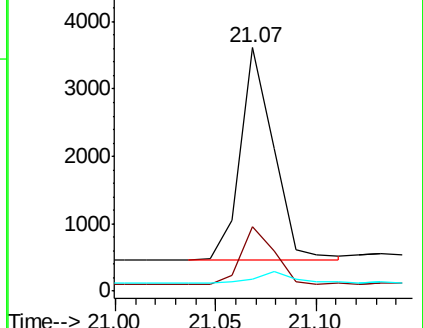
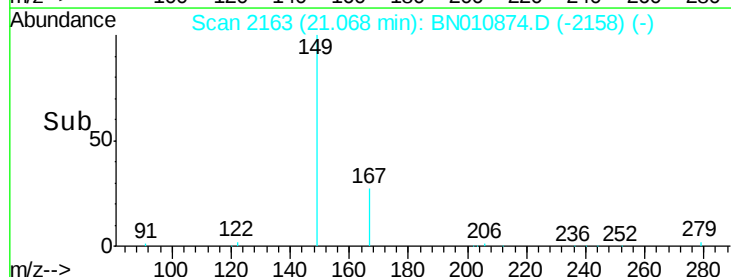
279 5.2 4.6 7.0

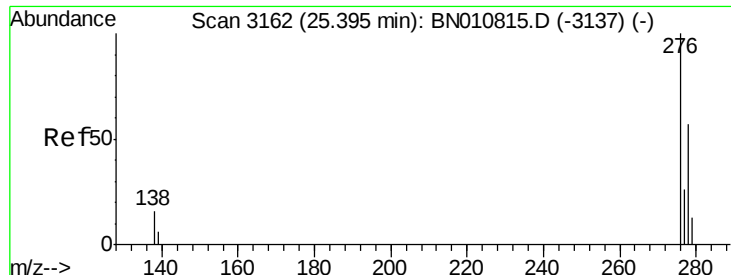


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.442 ng

RT: 25.39 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

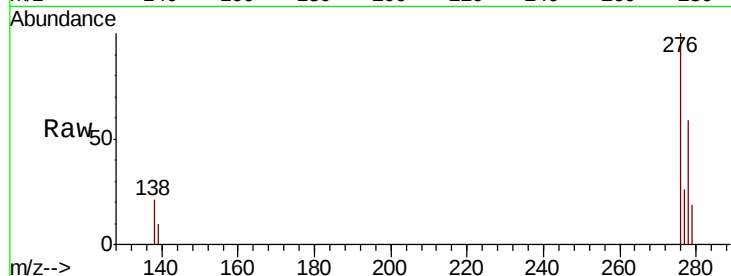
Tot Ion:276 Resp: 13236

Ion Ratio Lower Upper

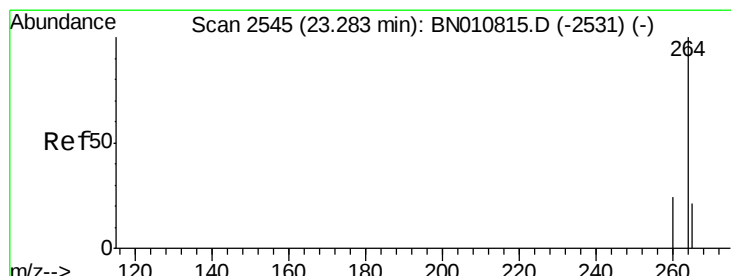
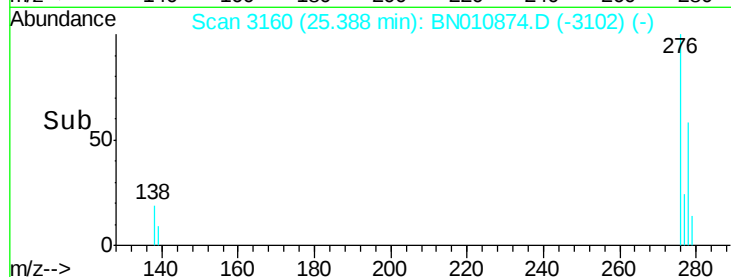
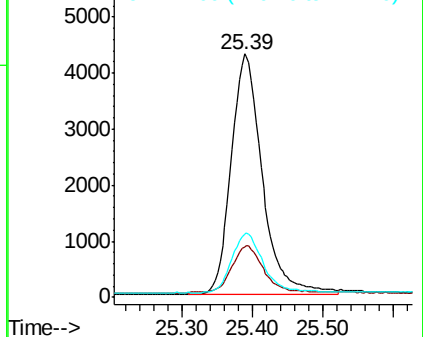
276 100

138 21.3 13.0 19.6#

277 25.4 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: 23.28 min Scan# 2544

Delta R.T. 0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

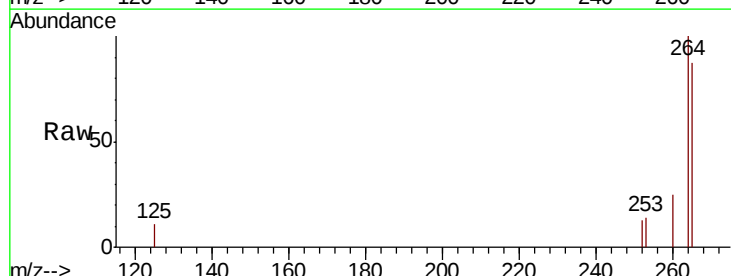
Tgt Ion:264 Resp: 8294

Ion Ratio Lower Upper

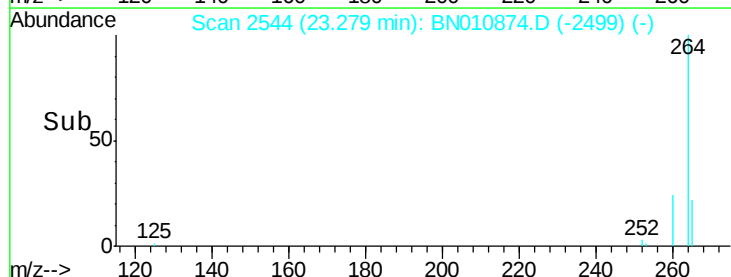
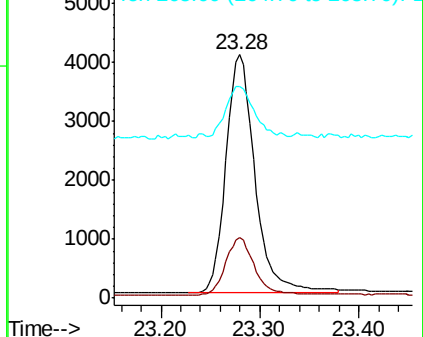
264 100

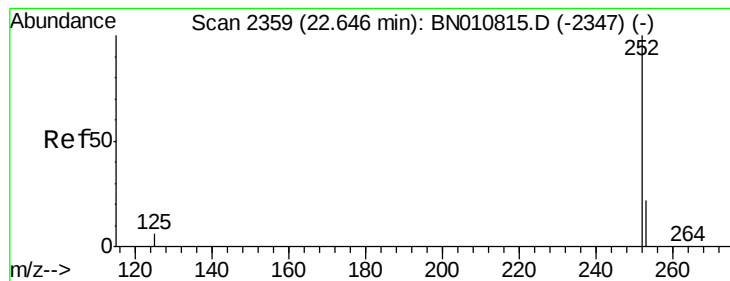
260 25.0 20.4 30.6

265 87.1 75.0 112.4



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





#35

Benzo(b)fluoranthene

Concen: 0.397 ng

RT: 22.65 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

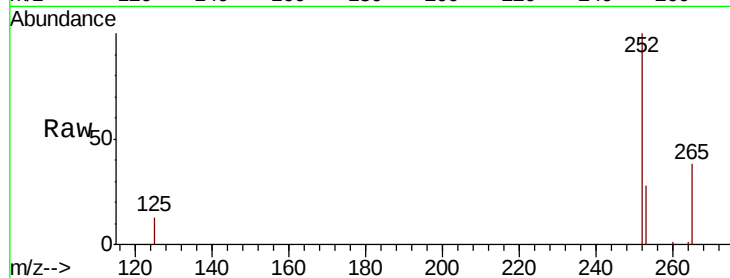
Tot Ion:252 Resp: 11183

Ion Ratio Lower Upper

252 100

253 28.2 22.4 33.6

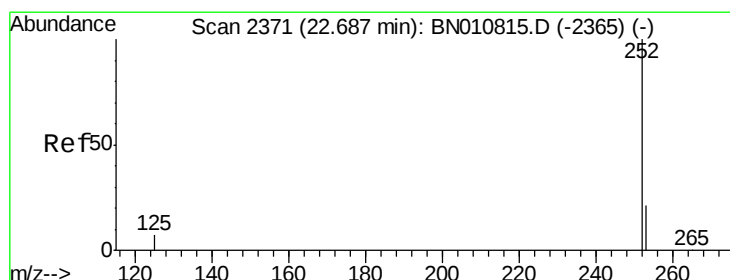
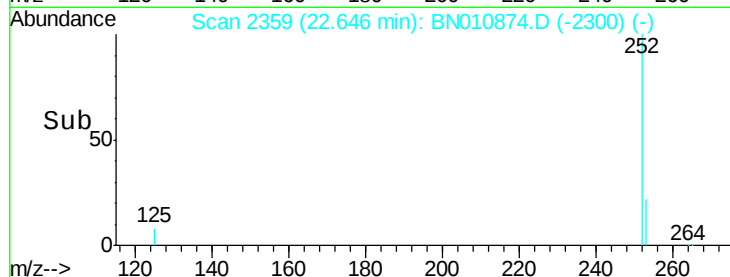
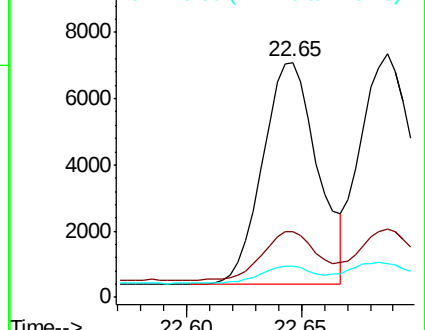
125 13.3 9.4 14.0



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



#36

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 22.69 min Scan# 2371

Delta R.T. 0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

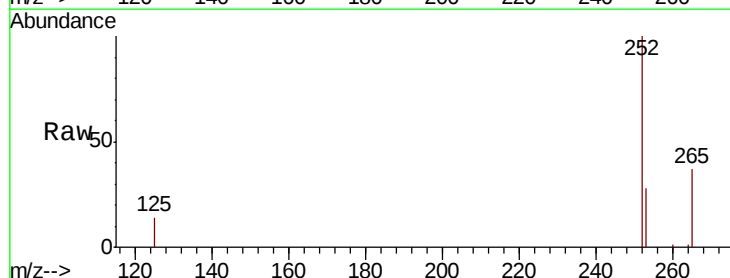
Tgt Ion:252 Resp: 11661

Ion Ratio Lower Upper

252 100

253 28.1 22.2 33.4

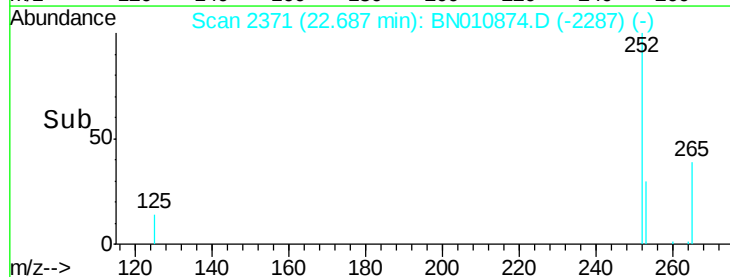
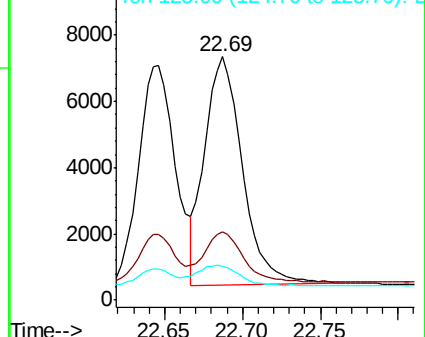
125 13.6 9.8 14.8



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: 0.396 ng

RT: 23.19 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS

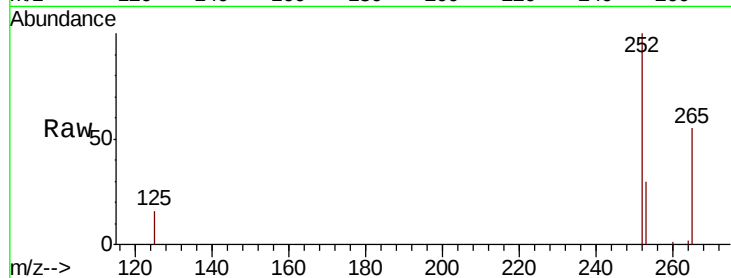
Tot Ion:252 Resp: 9583

Ion Ratio Lower Upper

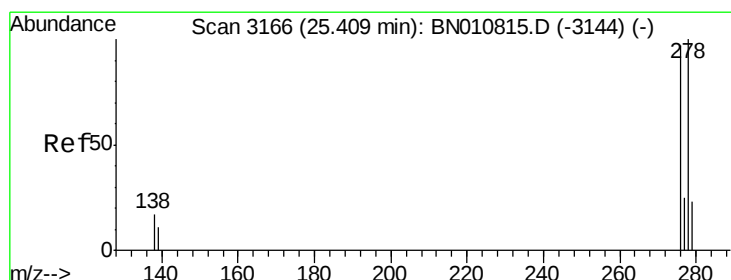
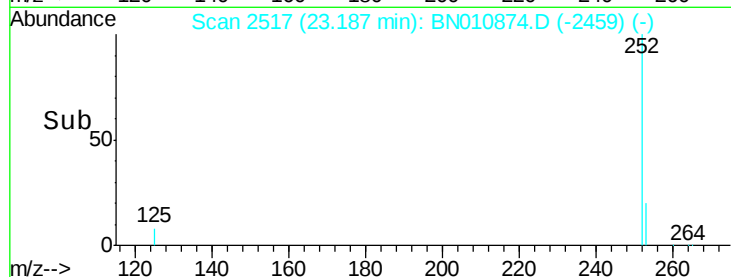
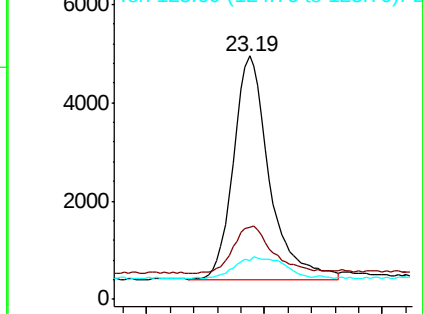
252 100

253 29.6 25.8 38.8

125 16.2 12.4 18.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.393 ng

RT: 25.40 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BN010874.D

Acq: 15 Jun 2020 15:15

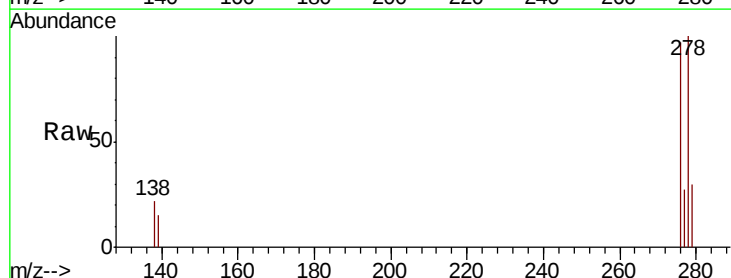
Tgt Ion:278 Resp: 10848

Ion Ratio Lower Upper

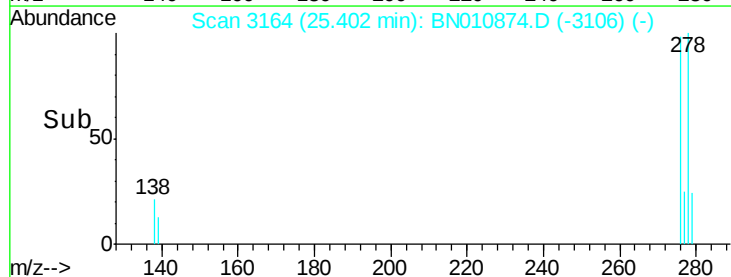
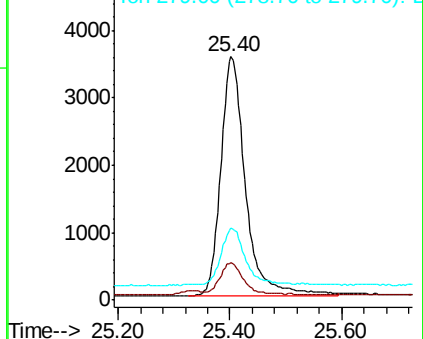
278 100

139 15.2 10.6 15.8

279 29.6 23.6 35.4



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(a,h,i)perylene

Concen: 0.397 ng

RT: 26.02 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BN010874.D

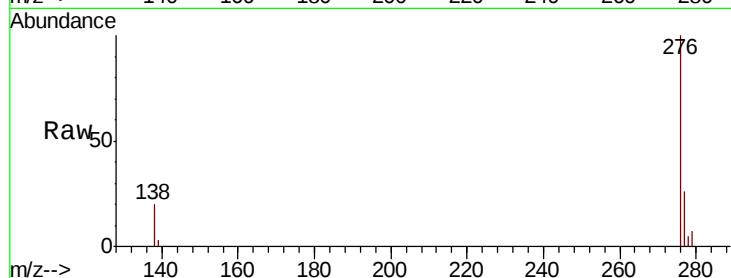
Acq: 15 Jun 2020 15:15

Instrument :

BNA\_N

ClientSampleId :

PB129538BS



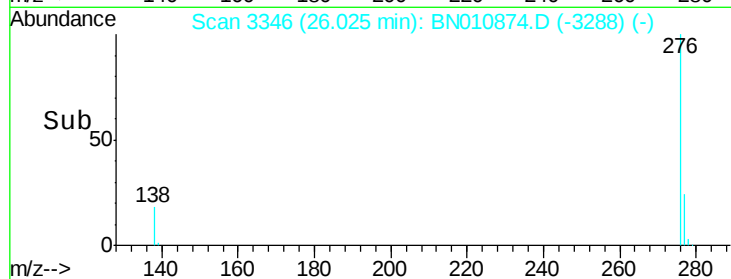
Tot Ion: 276 Resp: 11440

Ion Ratio Lower Upper

276 100

277 25.6 20.5 30.7

138 19.6 13.7 20.5



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

