

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061720\  
 Data File : BN010944.D  
 Acq On : 17 Jun 2020 17:11  
 Operator : CG/JU  
 Sample : PB129592BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129592BS

Quant Time: Jun 17 17:42:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 17 13:14:12 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.54  | 152  | 2469     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.29 | 136  | 7528     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.16 | 164  | 4070     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.91 | 188  | 8607     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.12 | 240  | 7917     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.27 | 264  | 8396     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.19  | 112 | 1996 | 0.42 | ng | 0.00 |
| 5) Phenol-d6                | 6.74  | 99  | 2187 | 0.39 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.68  | 82  | 2379 | 0.43 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.89 | 152 | 4899 | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.67 | 330 | 627  | 0.43 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.79 | 172 | 6867 | 0.43 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.95 | 212 | 9743 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.57 | 244 | 7784 | 0.42 | ng | 0.00 |

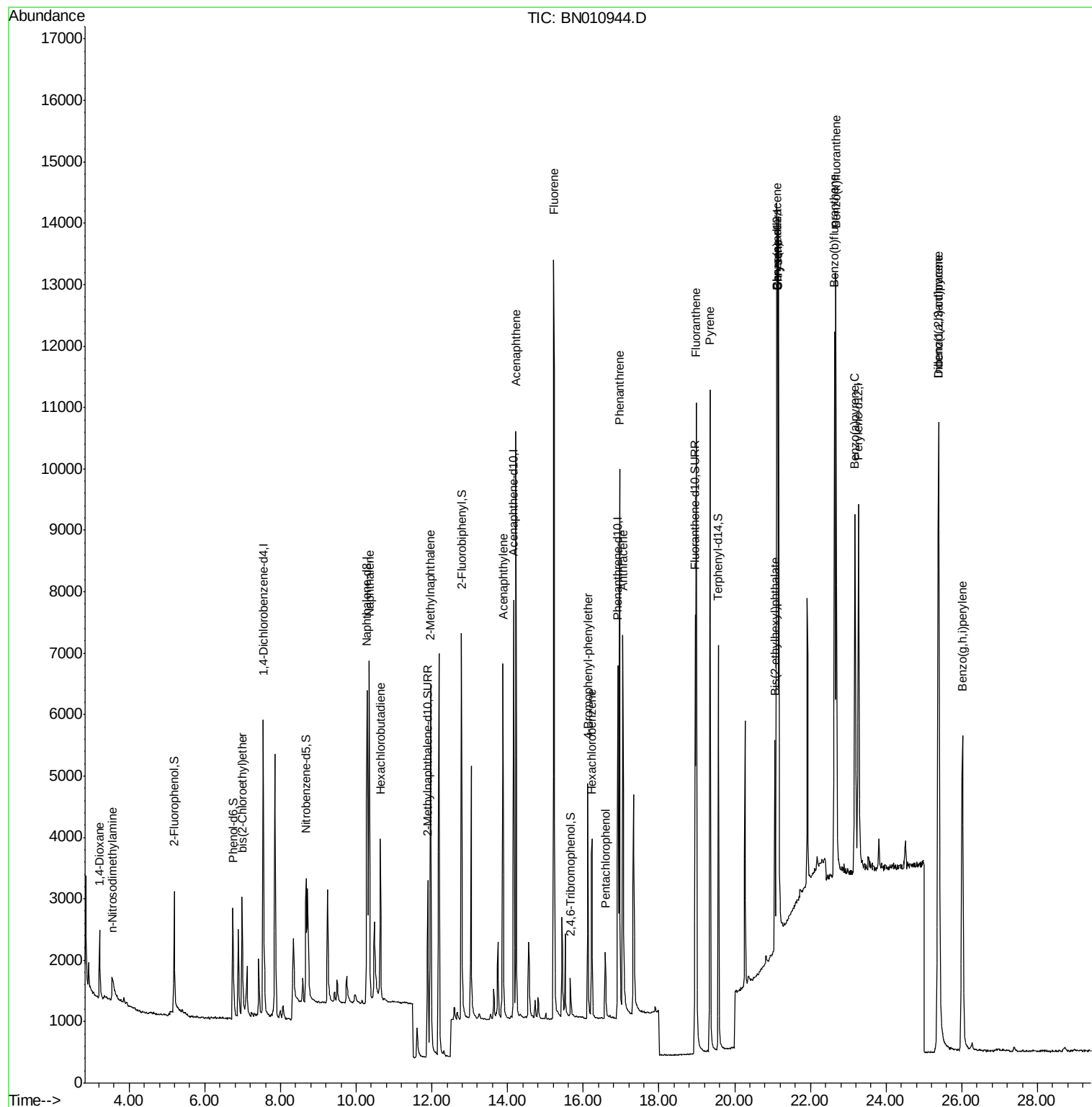
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 977   | 0.404  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 555   | 0.395  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 6.99  | 93  | 2008  | 0.367  | ng | 95   |
| 9) Naphthalene                 | 10.34 | 128 | 7989  | 0.422  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.63 | 225 | 2085  | 0.446  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.96 | 142 | 5309  | 0.419  | ng | 99   |
| 16) Acenaphthylene             | 13.88 | 152 | 6999  | 0.420  | ng | 99   |
| 17) Acenaphthene               | 14.22 | 154 | 4815  | 0.424  | ng | 98   |
| 18) Fluorene                   | 15.22 | 166 | 6110  | 0.417  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.11 | 248 | 2221  | 0.429  | ng | # 82 |
| 21) Hexachlorobenzene          | 16.23 | 284 | 2339  | 0.434  | ng | 99   |
| 22) Pentachlorophenol          | 16.58 | 266 | 721   | 0.398  | ng | 96   |
| 23) Phenanthrene               | 16.95 | 178 | 9628  | 0.410  | ng | 99   |
| 24) Anthracene                 | 17.05 | 178 | 7930  | 0.404  | ng | 99   |
| 26) Fluoranthene               | 18.98 | 202 | 10846 | 0.406  | ng | 99   |
| 28) Pyrene                     | 19.35 | 202 | 10888 | 0.416  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.11 | 228 | 9364  | 0.402  | ng | 99   |
| 31) Chrysene                   | 21.15 | 228 | 11652 | 0.430  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 3342  | 0.431  | ng | 97   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.38 | 276 | 13531 | 0.446  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.64 | 252 | 11275 | 0.395  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.68 | 252 | 12809 | 0.421  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.18 | 252 | 9961  | 0.407  | ng | 96   |
| 38) Dibenzo(a,h)anthracene     | 25.39 | 278 | 10962 | 0.393  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 26.01 | 276 | 11414 | 0.391  | ng | 98   |

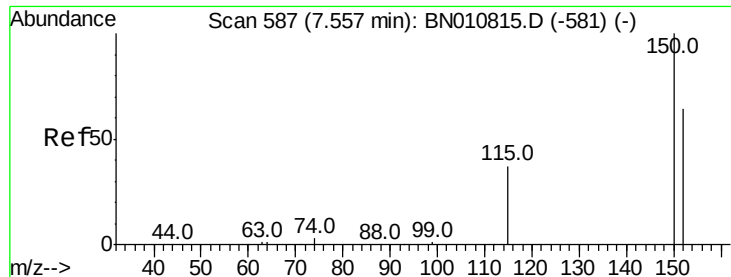
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 17 13:14:12 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.54 min Scan# 585

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

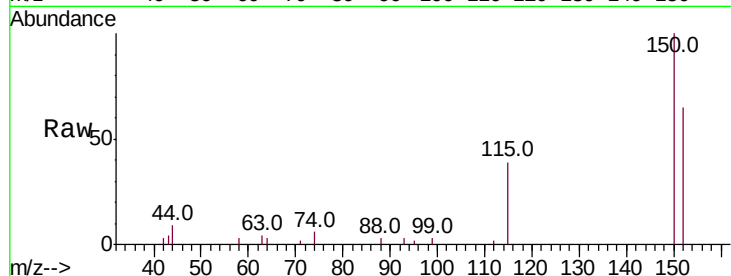
Tot Ion:152 Resp: 2469

Ion Ratio Lower Upper

152 100

150 153.3 123.8 185.6

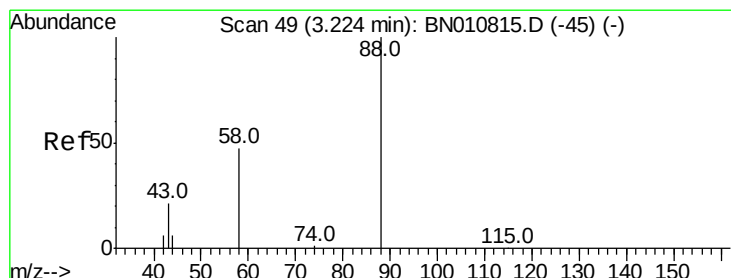
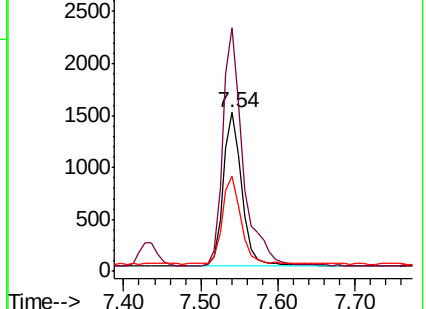
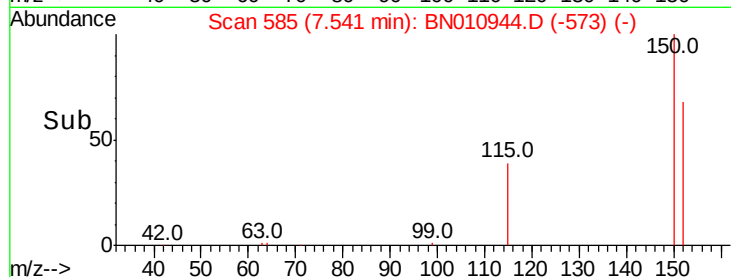
115 59.7 49.2 73.8



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: 0.404 ng

RT: 3.22 min Scan# 48

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

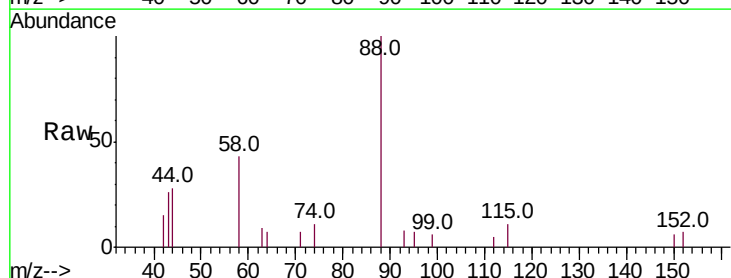
Tgt Ion: 88 Resp: 977

Ion Ratio Lower Upper

88 100

58 49.5 38.2 57.4

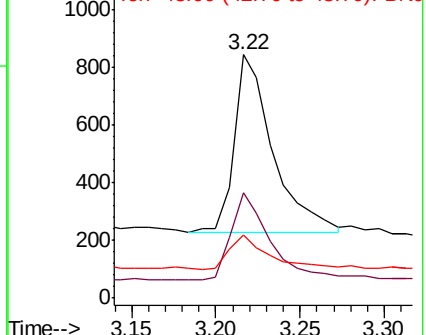
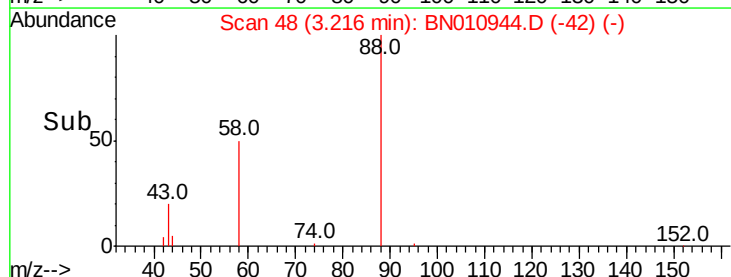
43 19.7 15.1 22.7

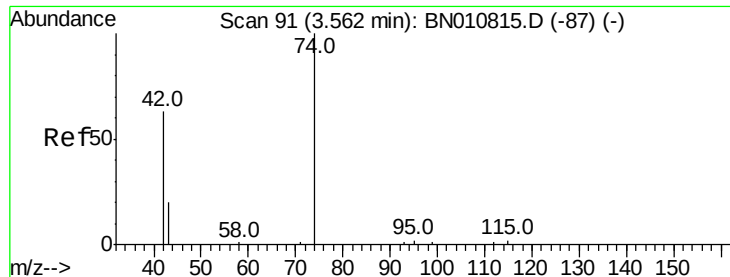


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.395 ng

RT: 3.55 min Scan# 90

Delta R.T. -0.01 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

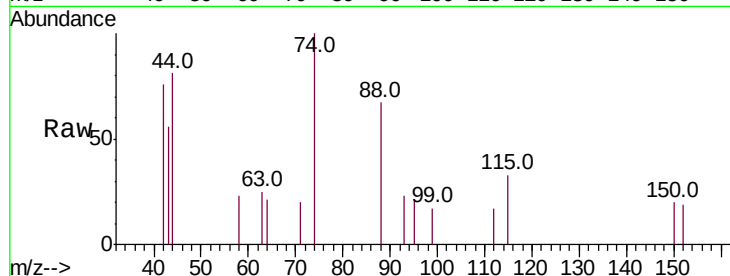
Tot Ion: 42 Resp: 555

Ion Ratio Lower Upper

42 100

74 169.0 140.7 211.1

44 7.9 1.4 2.2#

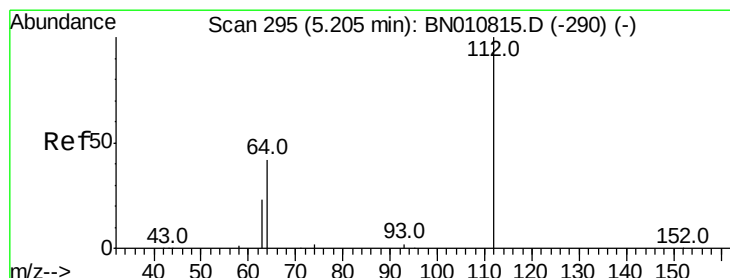
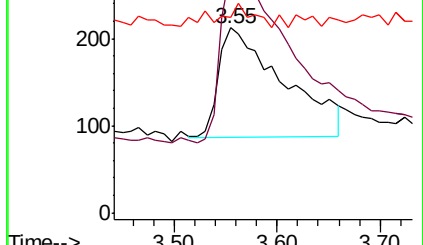
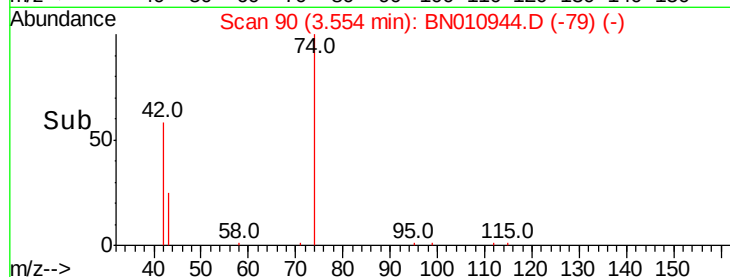


Abundance Ion 42.00 (41.70 to 42.70): BN010815.D (-87) (-)

Ion 74.00 (73.70 to 74.70): BN010815.D (-87) (-)

Ion 44.00 (43.70 to 44.70): BN010815.D (-87) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.419 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

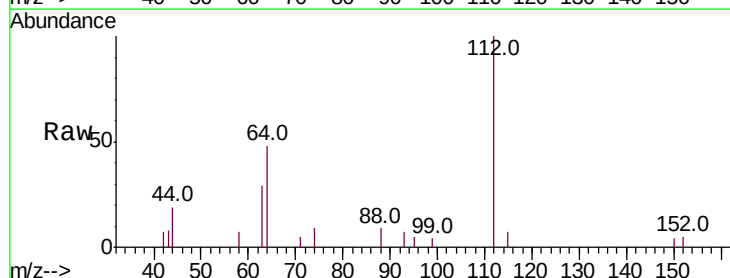
Tgt Ion: 112 Resp: 1996

Ion Ratio Lower Upper

112 100

64 46.2 37.4 56.0

63 25.3 22.2 33.4

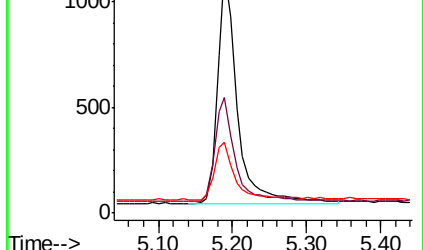
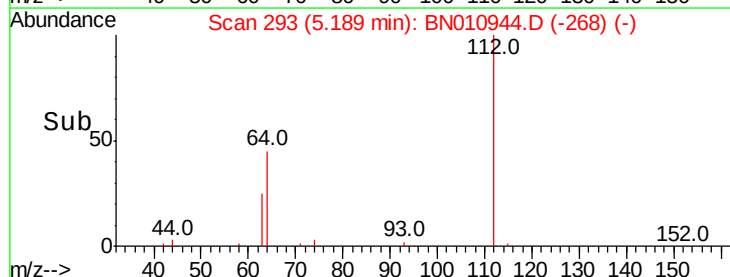


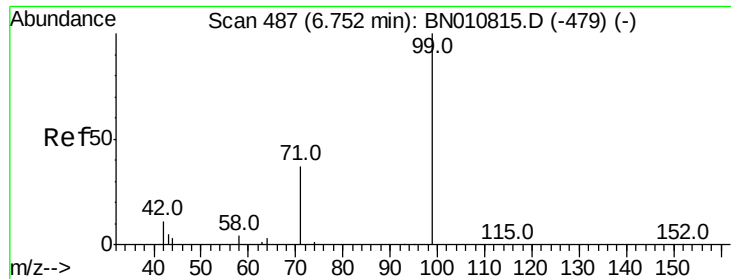
Abundance Ion 112.00 (111.70 to 112.70): BN010815.D (-290) (-)

Ion 64.00 (63.70 to 64.70): BN010815.D (-290) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-290) (-)

Time-->





#5

Phenol-d6

Concen: 0.390 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

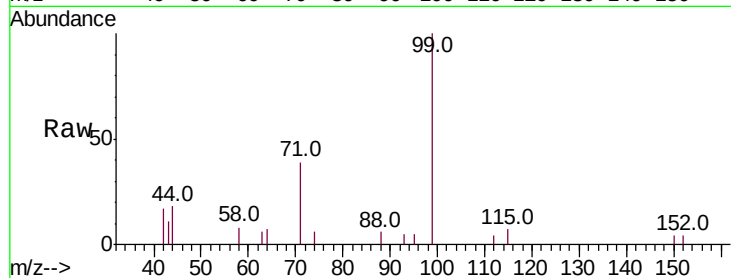
Tot Ion: 99 Resp: 2187

Ion Ratio Lower Upper

99 100

42 13.6 11.1 16.7

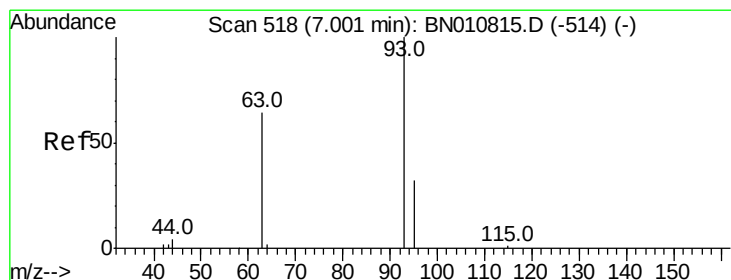
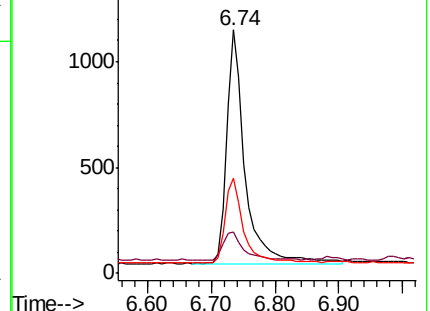
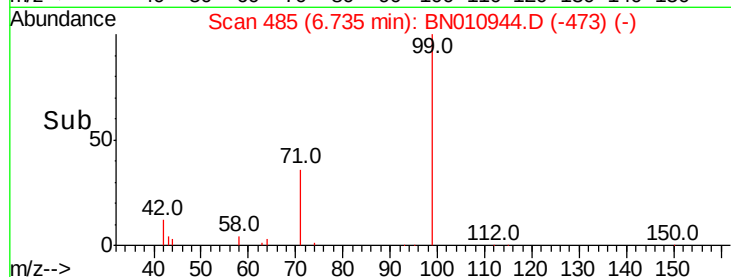
71 37.2 31.4 47.2



Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010815.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010815.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.367 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

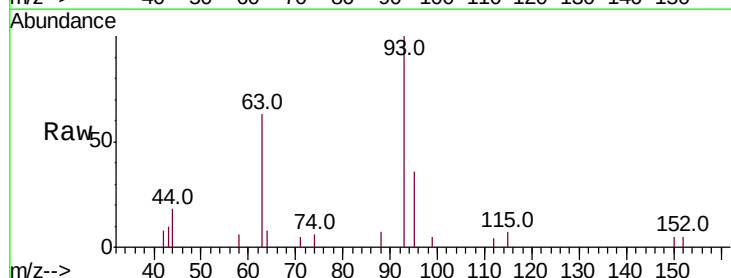
Tgt Ion: 93 Resp: 2008

Ion Ratio Lower Upper

93 100

63 59.1 49.4 74.2

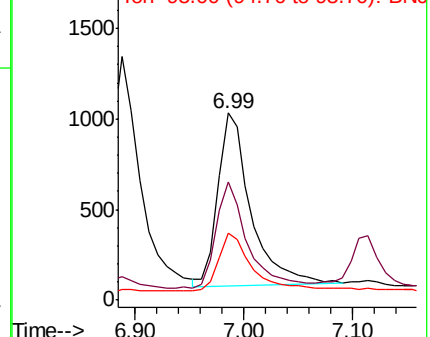
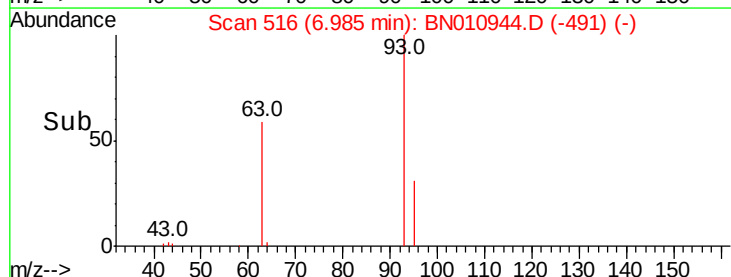
95 37.1 26.7 40.1

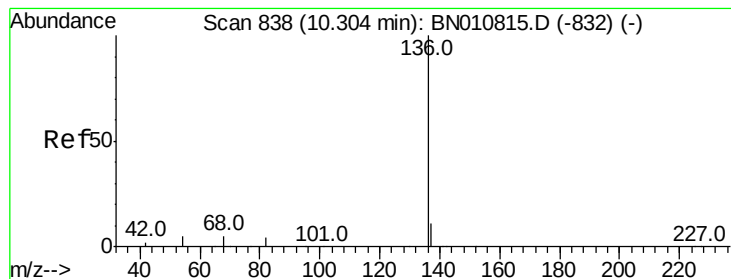


Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN010815.D (-514) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

Tot Ion:136 Resp: 7528

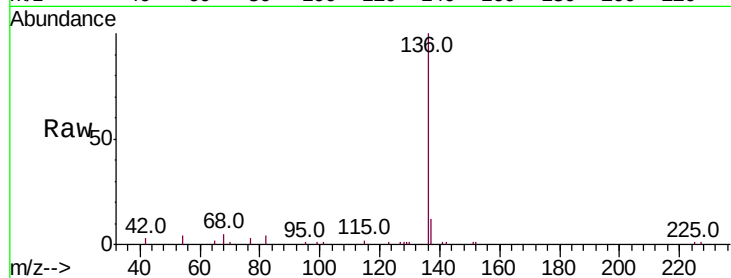
Ion Ratio Lower Upper

136 100

137 11.6 9.7 14.5

54 4.4 4.9 7.3#

68 4.8 4.7 7.1

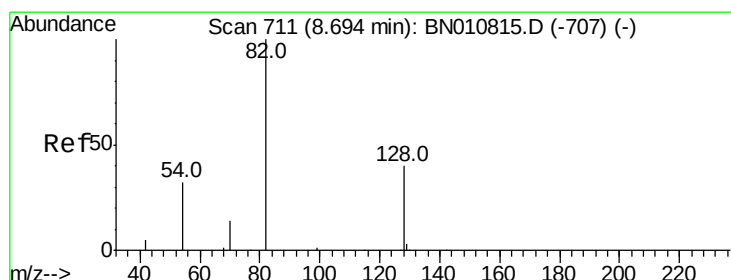
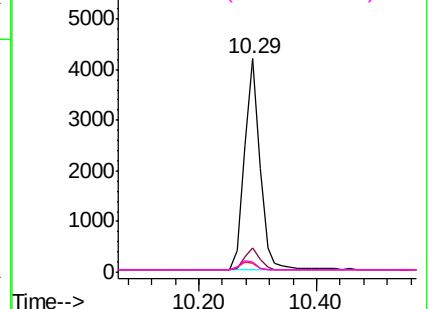
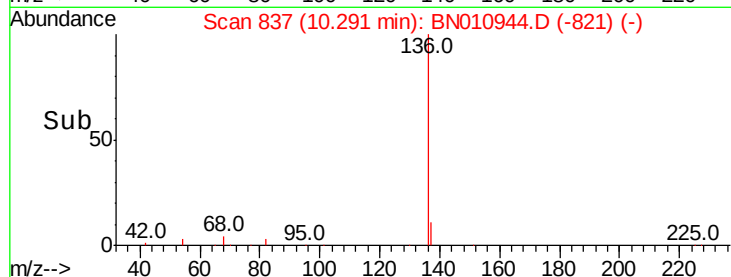


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

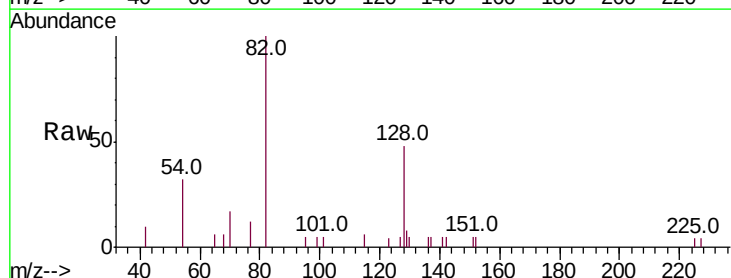
Tgt Ion: 82 Resp: 2379

Ion Ratio Lower Upper

82 100

128 47.5 35.4 53.0

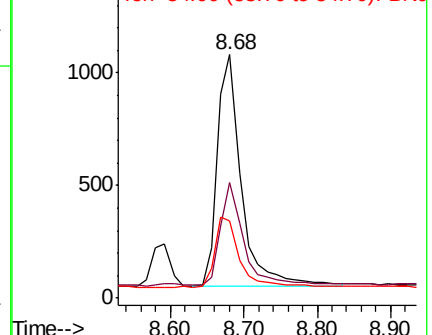
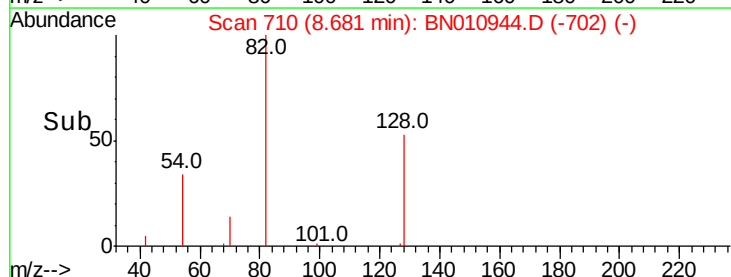
54 31.7 28.2 42.4

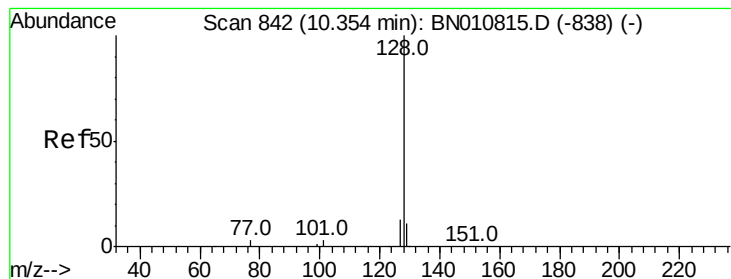


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.422 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

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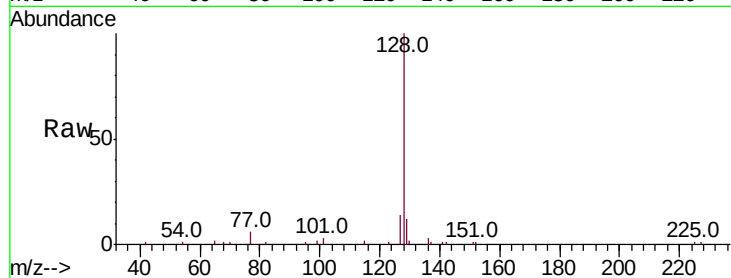
Tot Ion:128 Resp: 7989

Ion Ratio Lower Upper

128 100

129 11.8 9.6 14.4

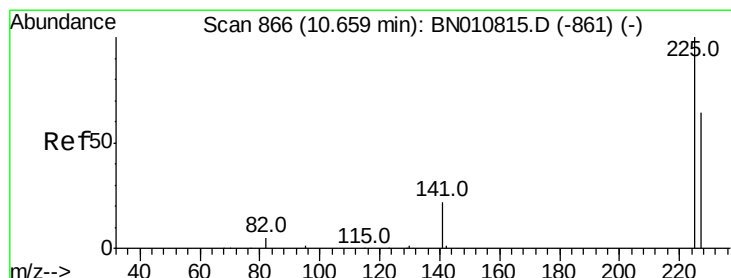
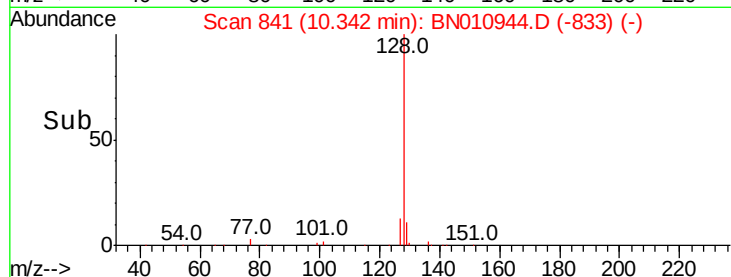
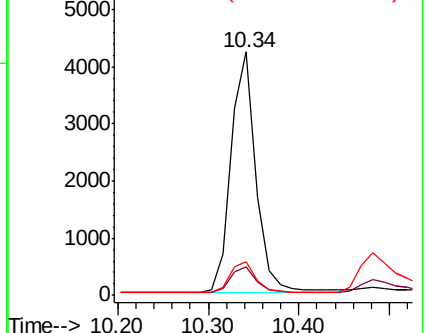
127 13.7 11.4 17.2



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: 0.446 ng

RT: 10.63 min Scan# 864

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

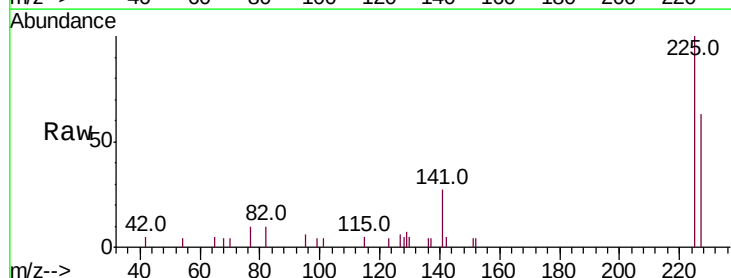
Tgt Ion:225 Resp: 2085

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

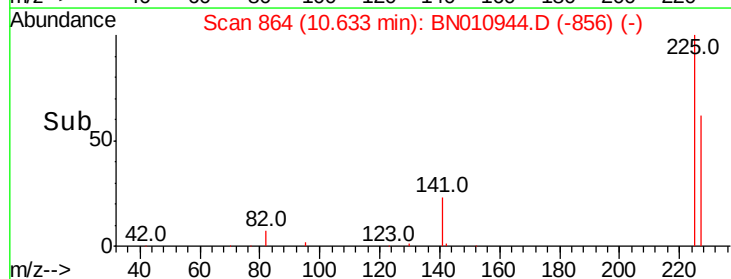
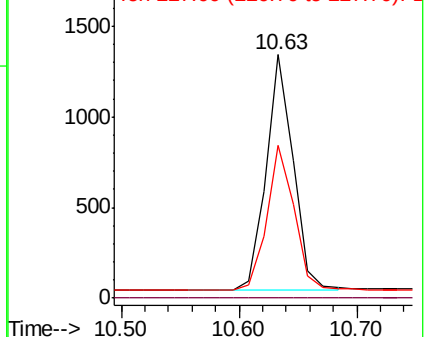
227 62.0 50.5 75.7

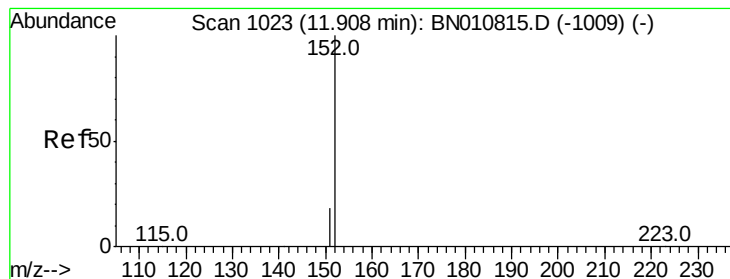


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.420 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

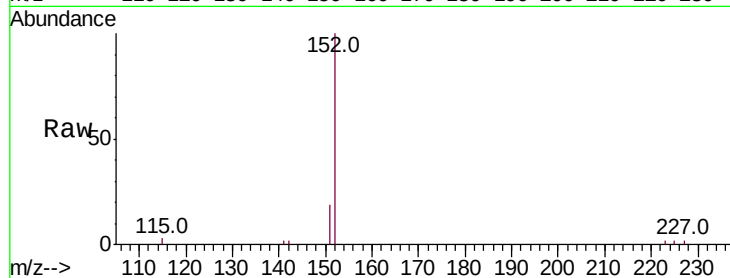
PB129592BS

Tot Ion:152 Resp: 4899

Ion Ratio Lower Upper

152 100

151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

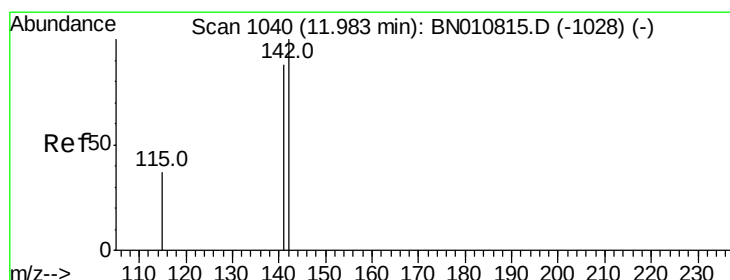
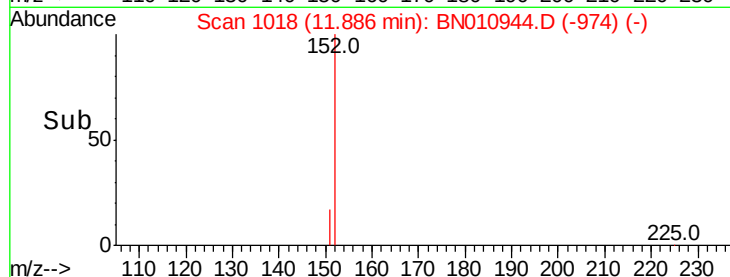
1500

1000

500

0

Time--> 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.419 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

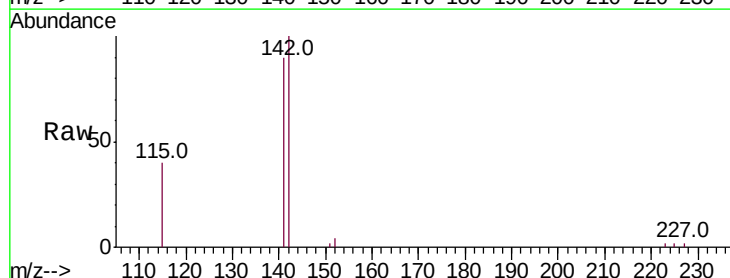
Tgt Ion:142 Resp: 5309

Ion Ratio Lower Upper

142 100

141 90.3 70.8 106.2

115 39.7 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

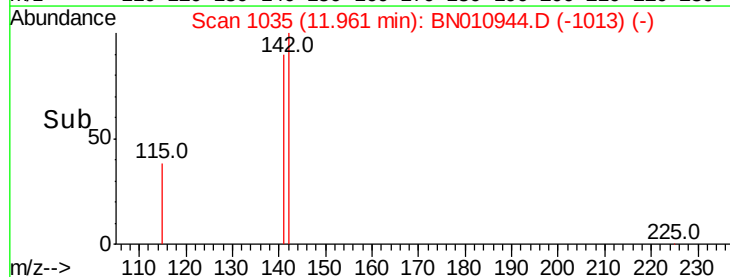
3000

2000

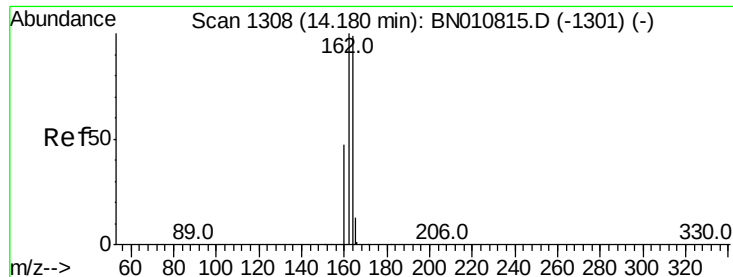
1000

0

Time--> 12.00 12.20







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

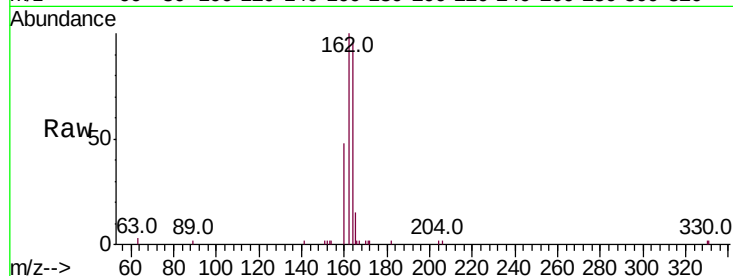
Tot Ion:164 Resp: 4070

Ion Ratio Lower Upper

164 100

162 104.4 81.0 121.6

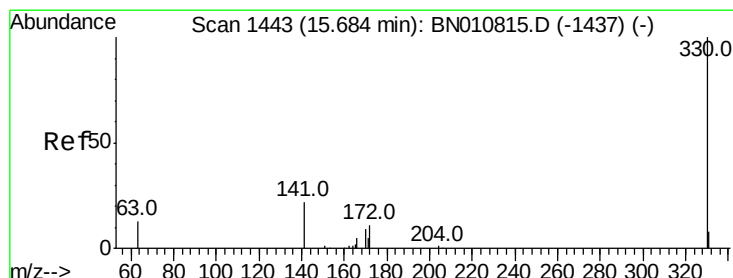
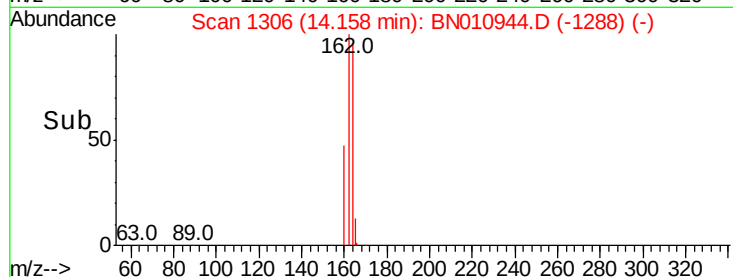
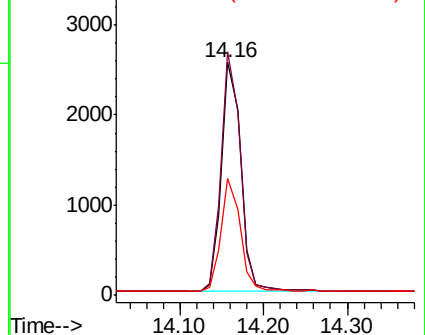
160 49.9 38.9 58.3



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: 0.431 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

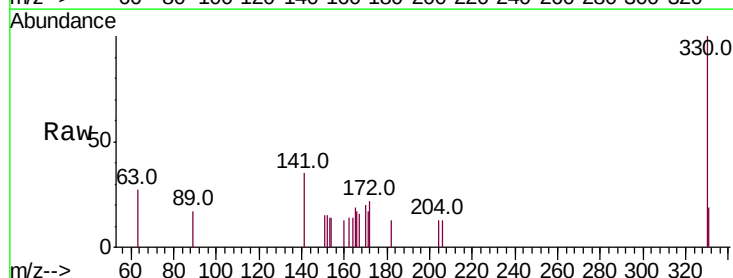
Tgt Ion:330 Resp: 627

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

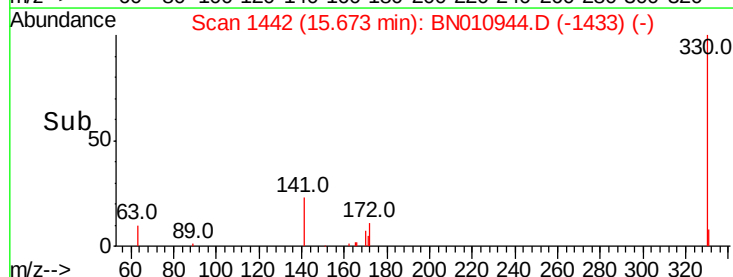
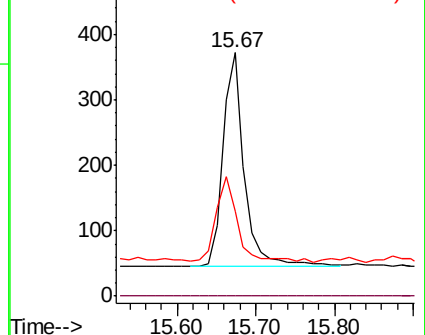
141 40.0 33.2 49.8

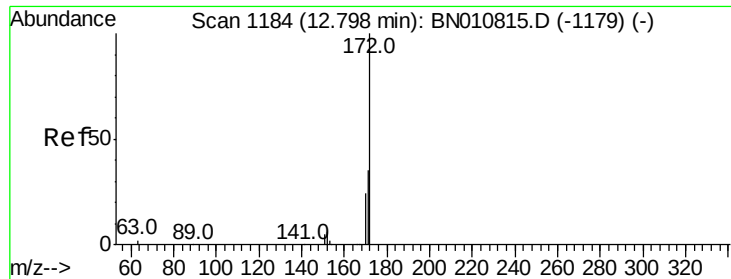


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

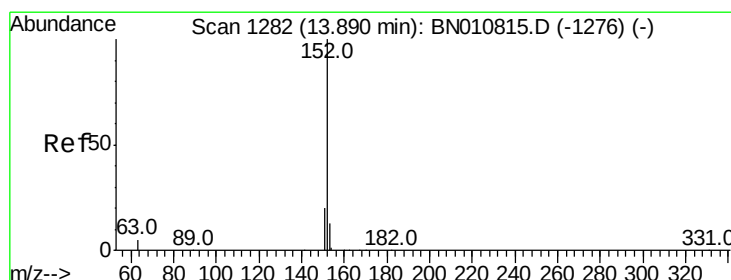
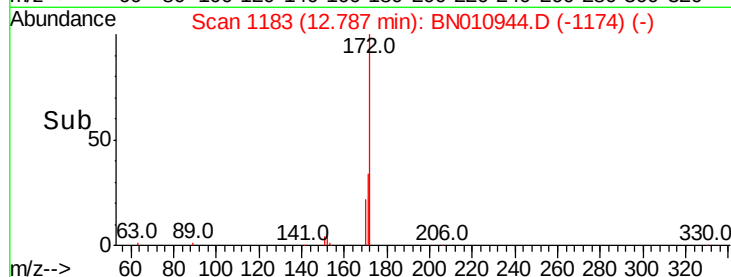
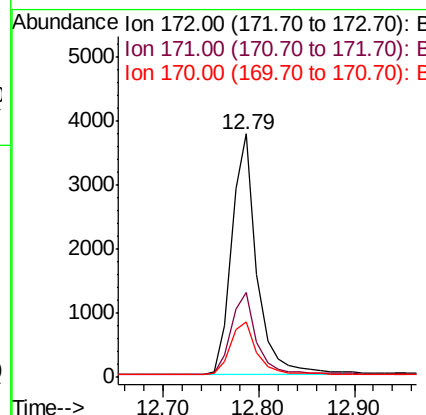
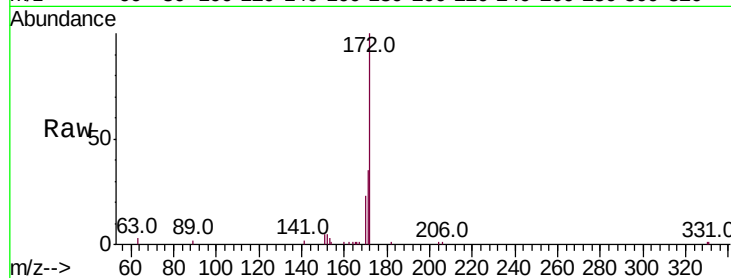




#15  
2-Fluorobiphenyl  
Concen: 0.428 ng  
RT: 12.79 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: BN010944.D  
Acq: 17 Jun 2020 17:11

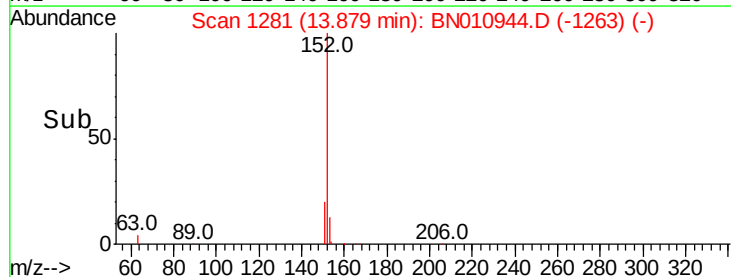
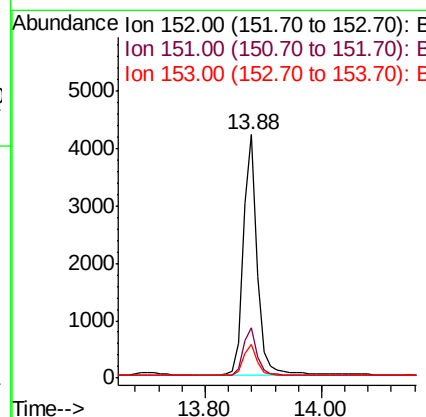
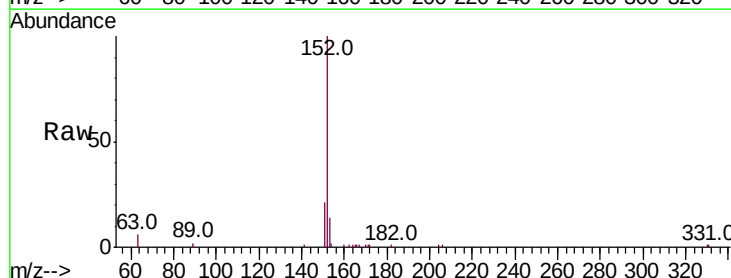
Instrument :  
BNA\_N  
ClientSampleId :  
PB129592BS

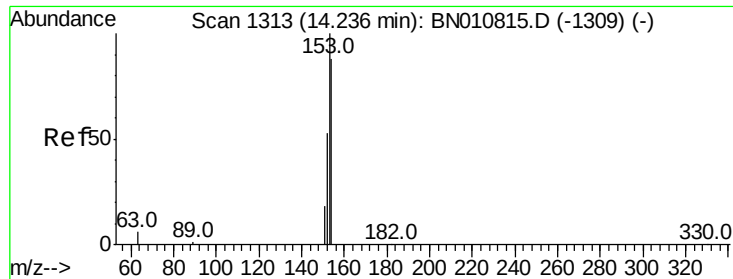
Tot Ion:172 Resp: 6867  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.5 42.7  
170 23.0 19.7 29.5



#16  
Acenaphthylene  
Concen: 0.420 ng  
RT: 13.88 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: BN010944.D  
Acq: 17 Jun 2020 17:11

Tgt Ion:152 Resp: 6999  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.6 23.4  
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.424 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

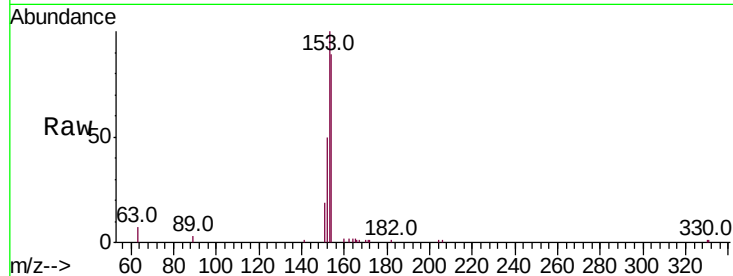
Tot Ion:154 Resp: 4815

Ion Ratio Lower Upper

154 100

153 113.7 91.8 137.6

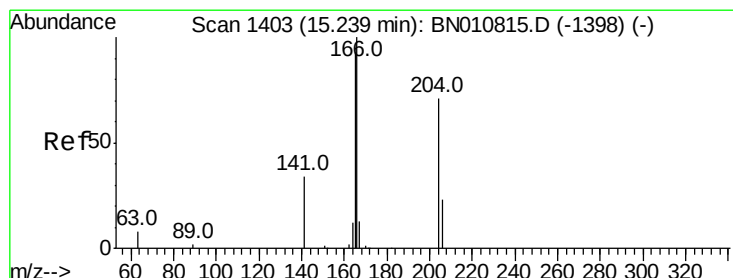
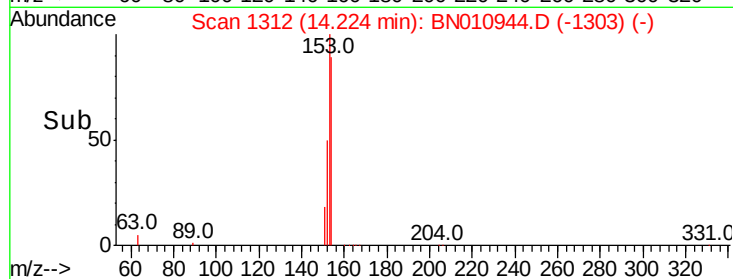
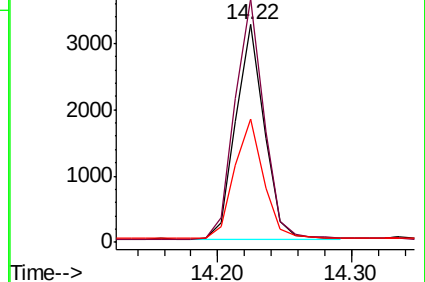
152 57.3 47.6 71.4



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: 0.417 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

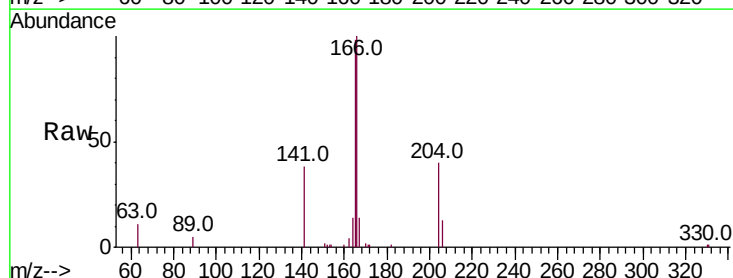
Tgt Ion:166 Resp: 6110

Ion Ratio Lower Upper

166 100

165 98.5 77.2 115.8

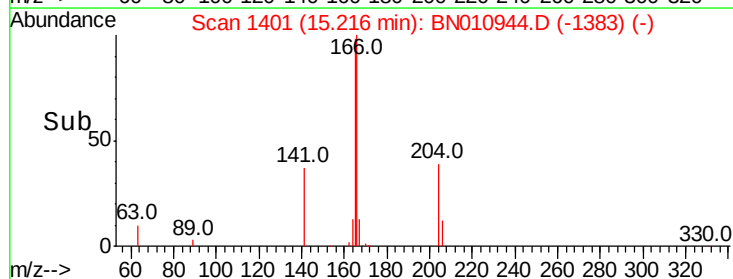
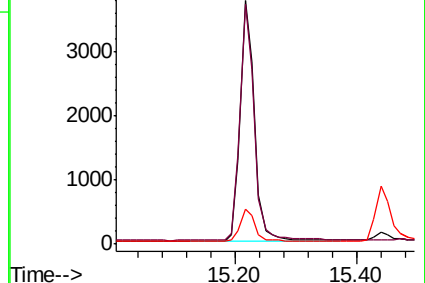
167 13.6 10.7 16.1

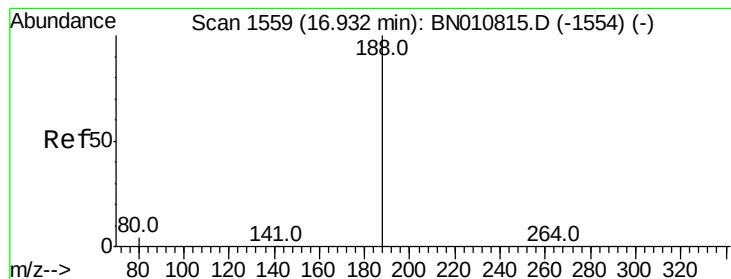


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.91 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

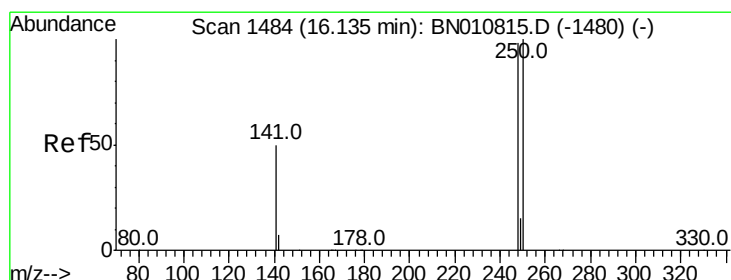
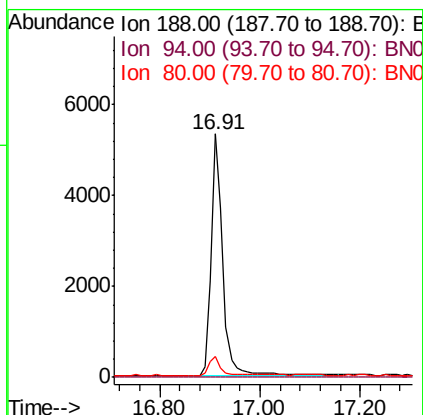
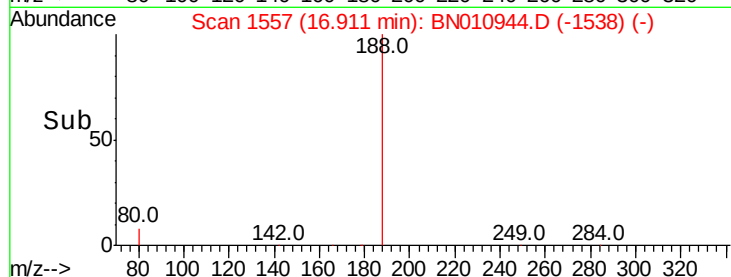
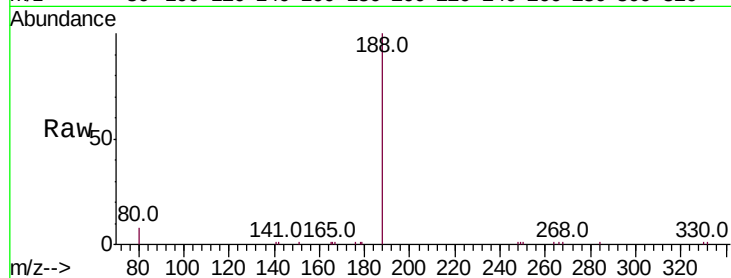
Tot Ion:188 Resp: 8607

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.4 4.5 6.7#



#20

4-Bromophenyl-phenylether

Concen: 0.429 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

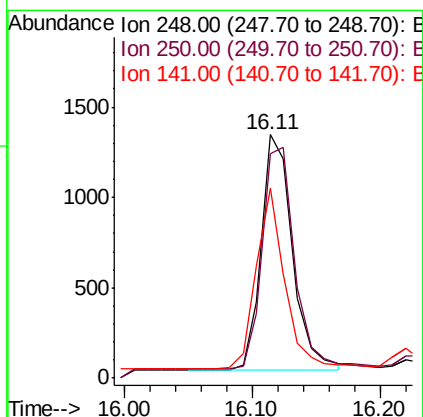
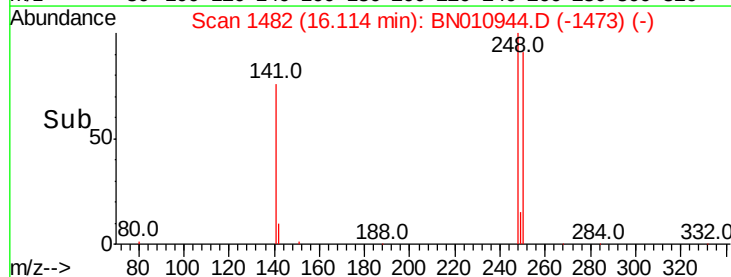
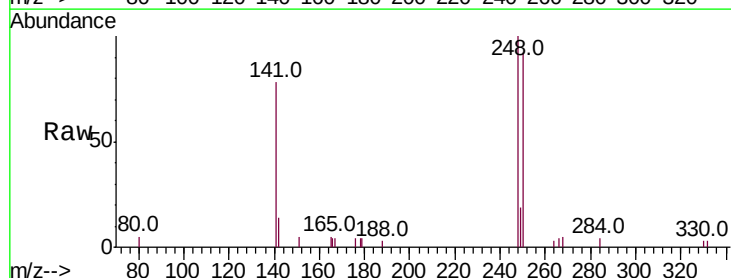
Tgt Ion:248 Resp: 2221

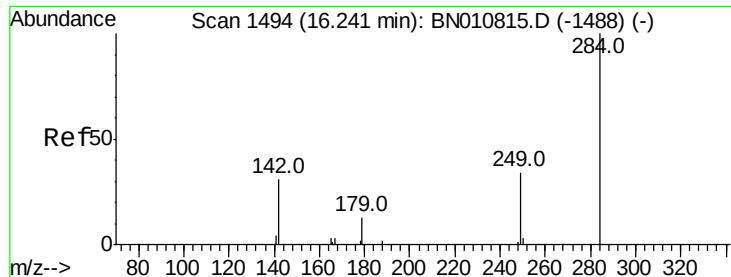
Ion Ratio Lower Upper

248 100

250 92.0 81.8 122.8

141 77.8 42.6 64.0#

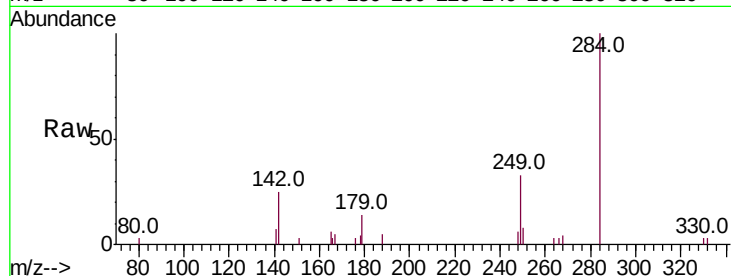




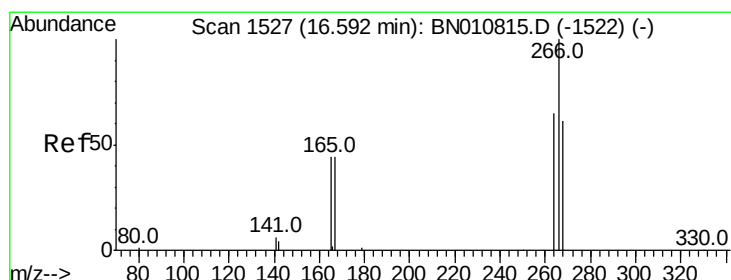
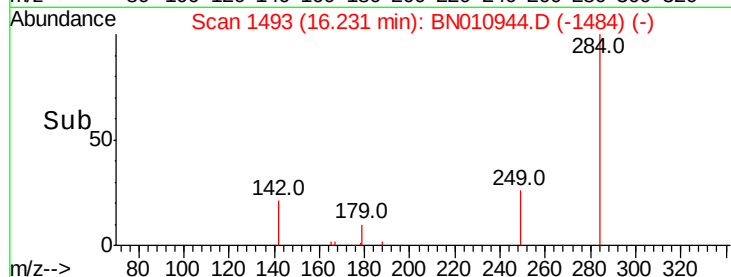
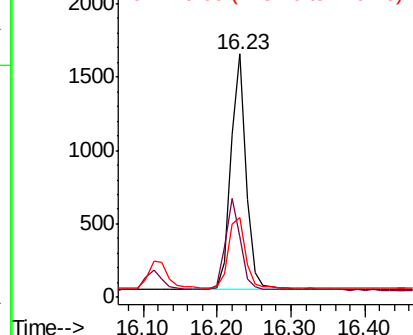
#21  
Hexachlorobenzene  
Concen: 0.434 ng  
RT: 16.23 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: BN010944.D  
Acq: 17 Jun 2020 17:11

Instrument :  
BNA\_N  
ClientSampleId :  
PB129592BS

Tot Ion:284 Resp: 2339  
Ion Ratio Lower Upper  
284 100  
142 40.0 31.0 46.4  
249 34.0 27.1 40.7

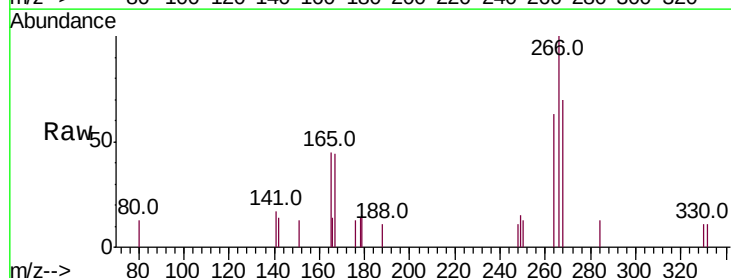


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

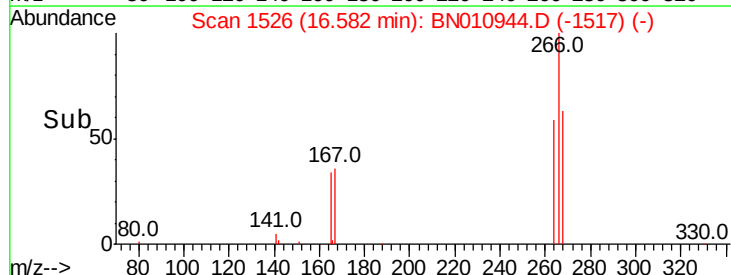
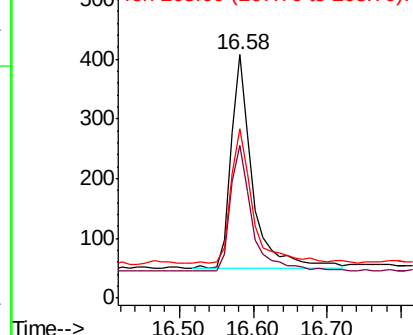


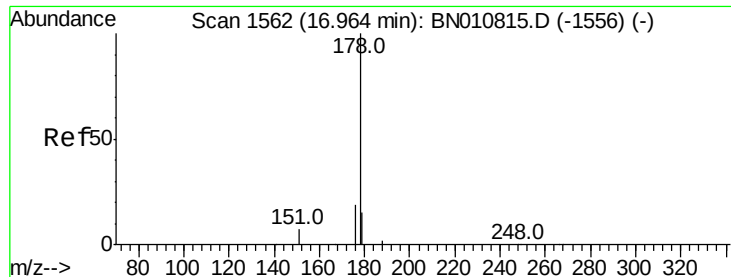
#22  
Pentachlorophenol  
Concen: 0.398 ng  
RT: 16.58 min Scan# 1526  
Delta R.T. -0.00 min  
Lab File: BN010944.D  
Acq: 17 Jun 2020 17:11

Tgt Ion:266 Resp: 721  
Ion Ratio Lower Upper  
266 100  
264 62.7 54.8 82.2  
268 69.6 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: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

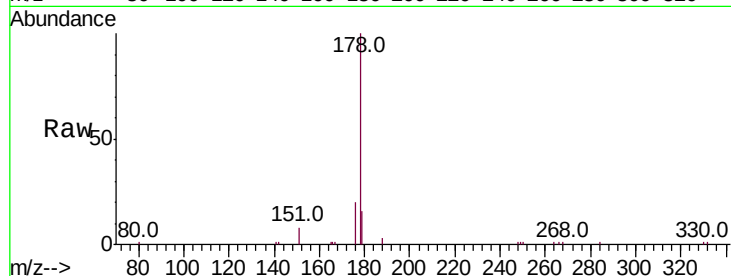
Tot Ion:178 Resp: 9628

Ion Ratio Lower Upper

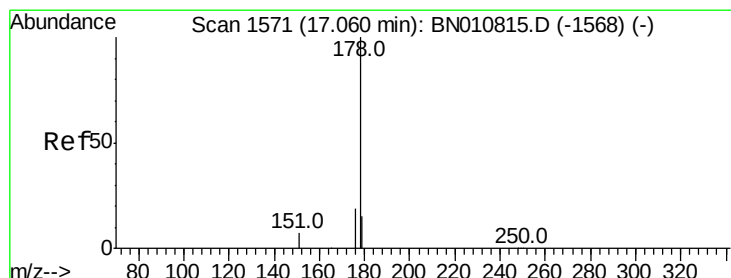
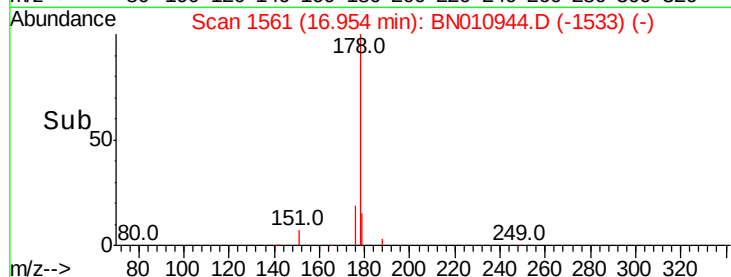
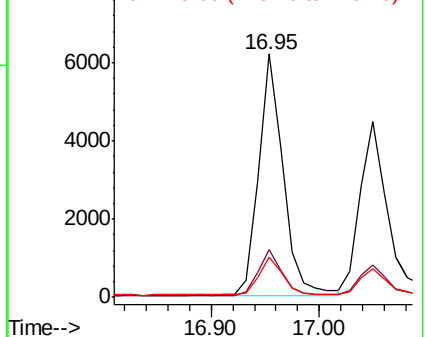
178 100

176 18.4 15.3 22.9

179 15.8 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: 0.404 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

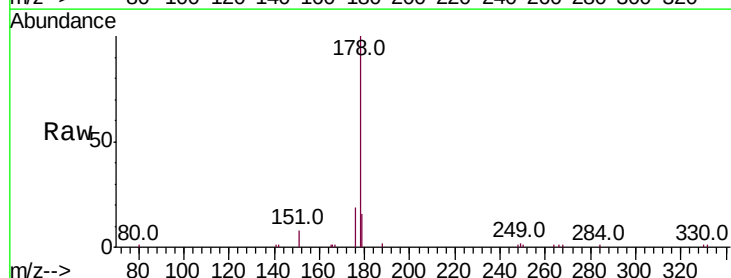
Tgt Ion:178 Resp: 7930

Ion Ratio Lower Upper

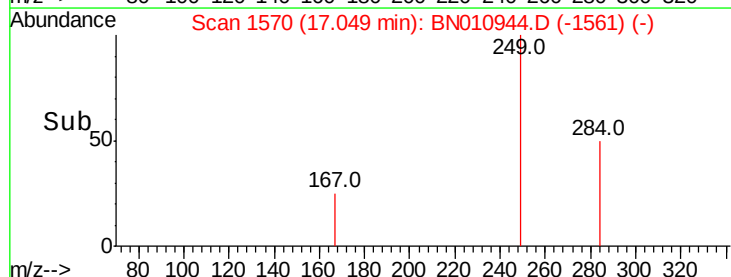
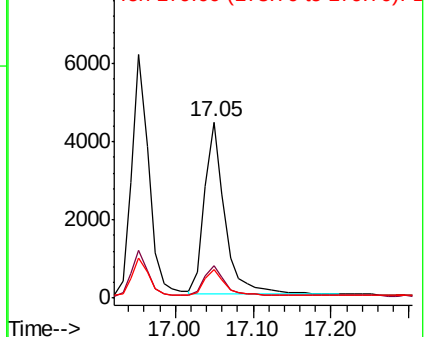
178 100

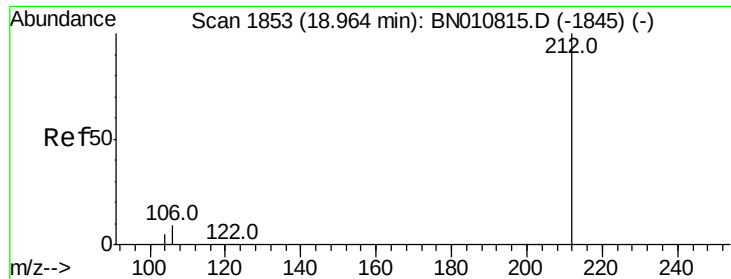
176 17.9 14.6 22.0

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: 0.410 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

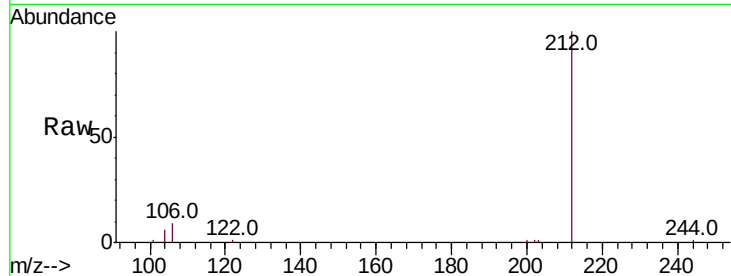
Tot Ion:212 Resp: 9743

Ion Ratio Lower Upper

212 100

106 8.8 6.6 10.0

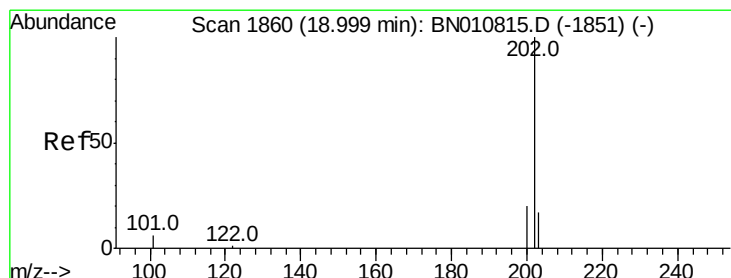
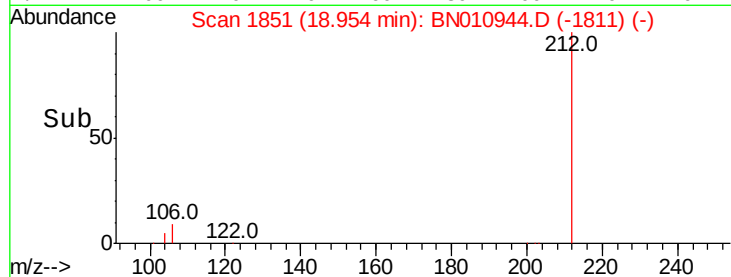
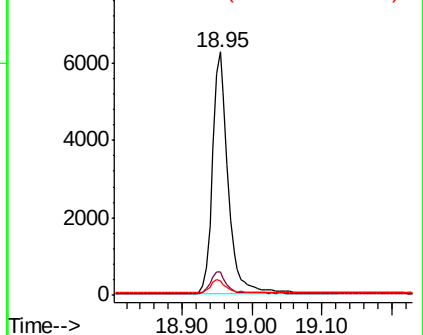
104 5.5 4.0 6.0



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: 0.406 ng

RT: 18.98 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

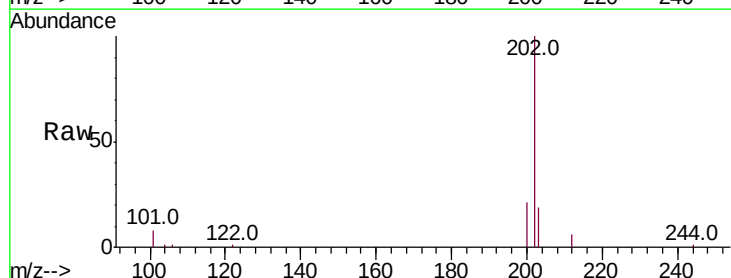
Tgt Ion:202 Resp: 10846

Ion Ratio Lower Upper

202 100

101 7.8 5.8 8.6

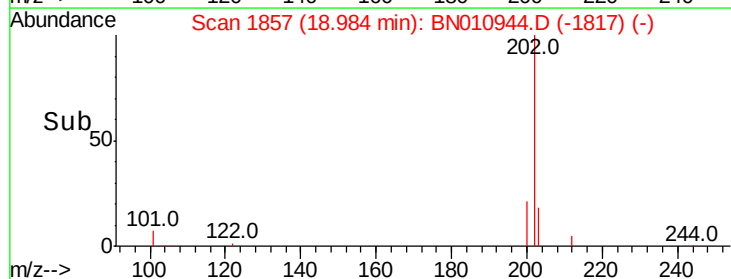
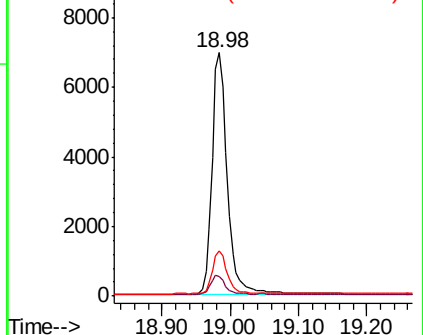
203 17.3 13.7 20.5

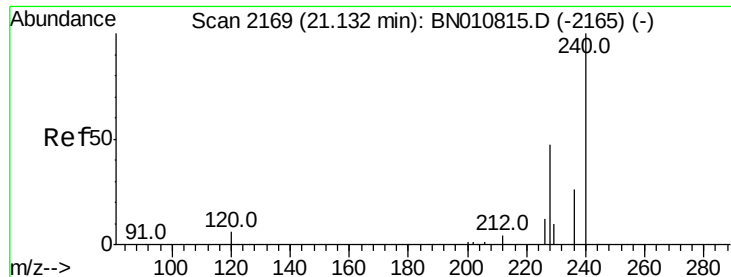


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

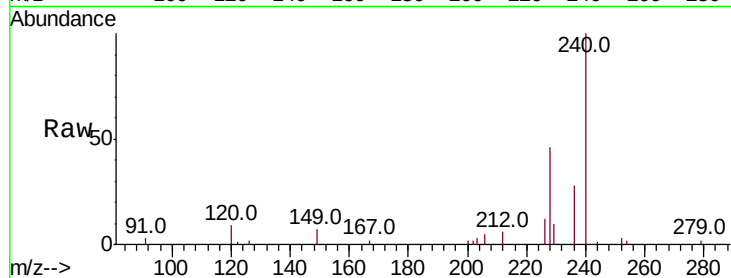
Tot Ion:240 Resp: 7917

Ion Ratio Lower Upper

240 100

120 9.0 7.5 11.3

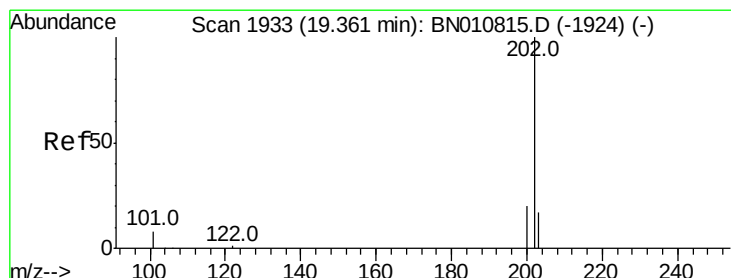
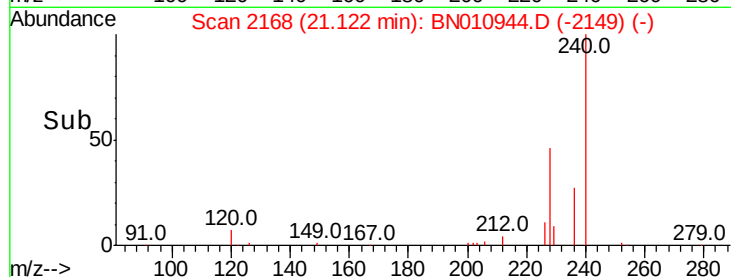
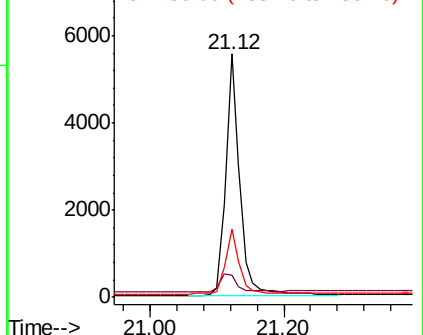
236 27.8 22.3 33.5



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: 0.416 ng

RT: 19.35 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

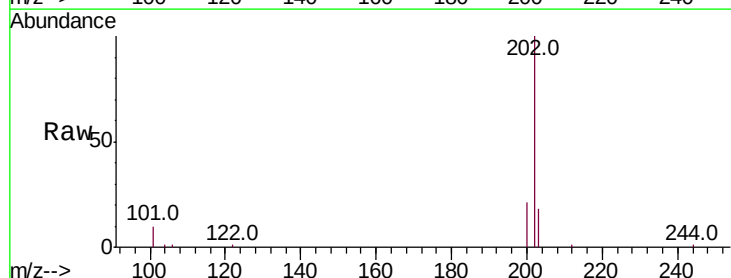
Tgt Ion:202 Resp: 10888

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

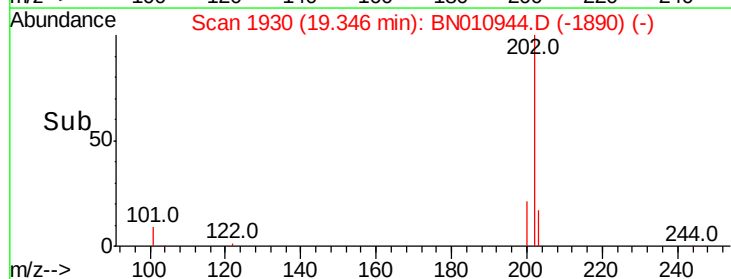
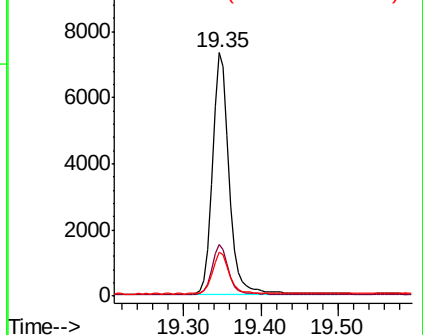
203 17.6 14.2 21.4



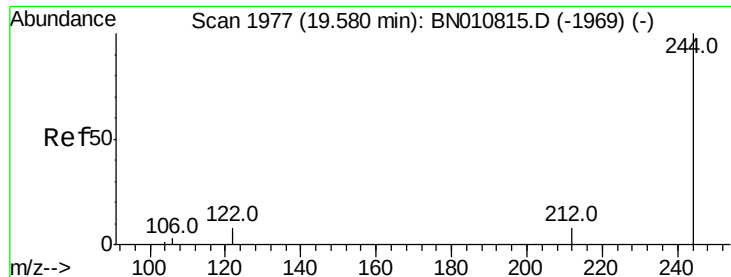
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

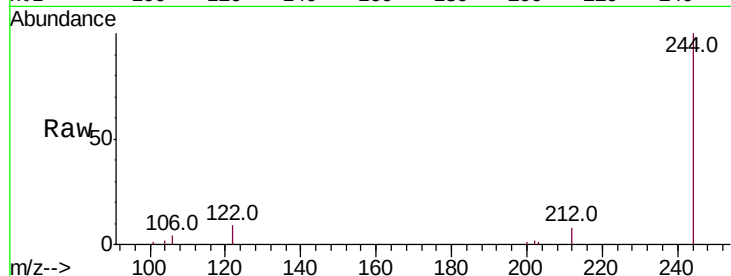
Tot Ion:244 Resp: 7784

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

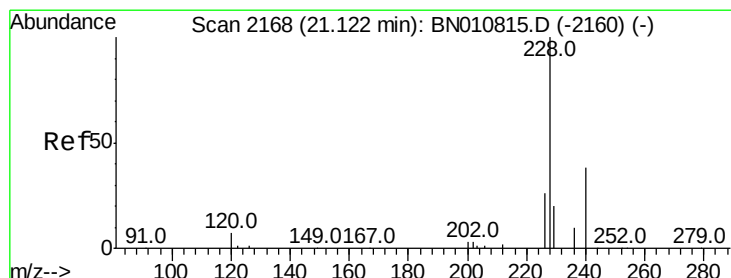
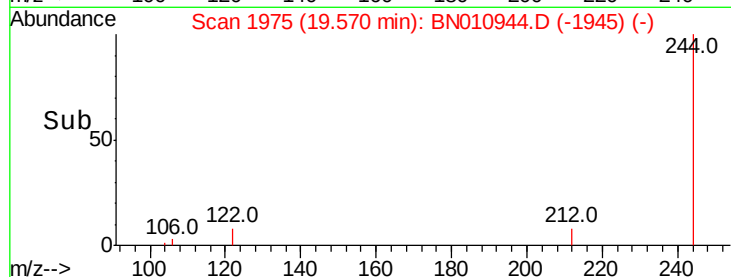
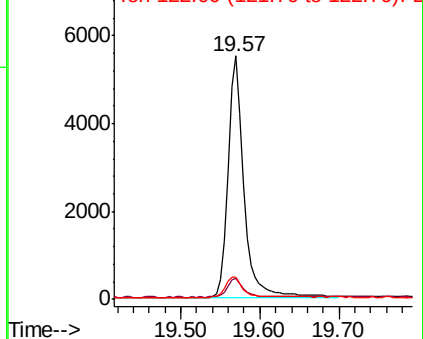
122 9.1 7.5 11.3



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: 0.402 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

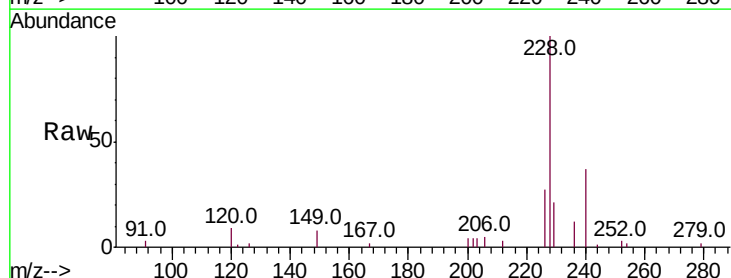
Tgt Ion:228 Resp: 9364

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

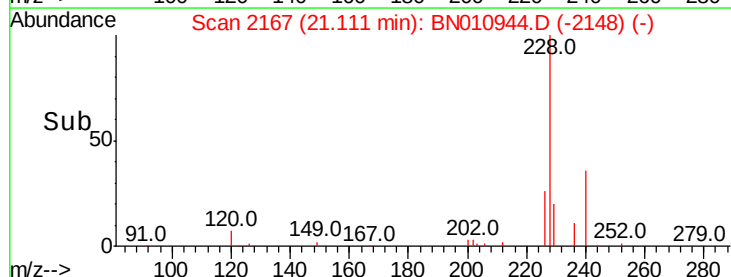
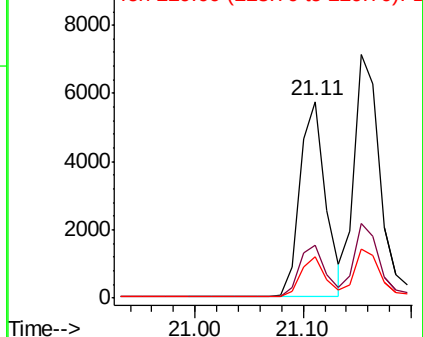
229 20.9 16.6 24.8

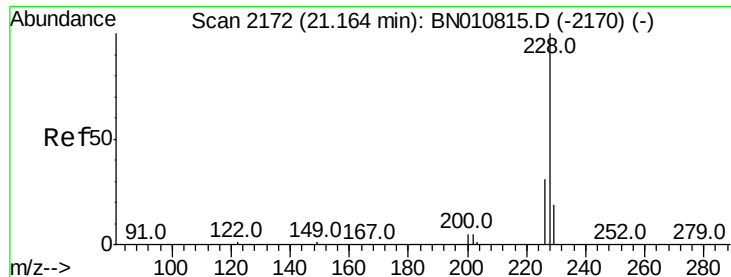


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.430 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

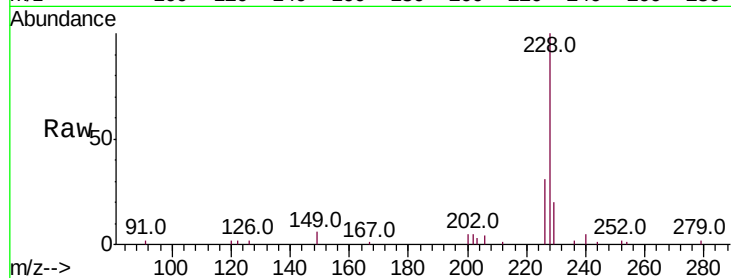
Tot Ion:228 Resp: 11652

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

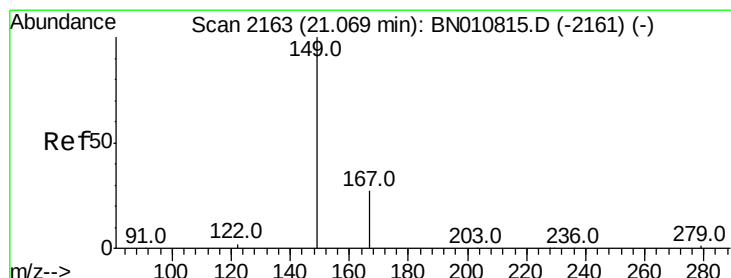
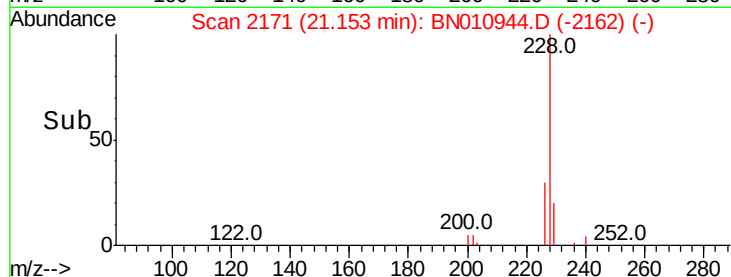
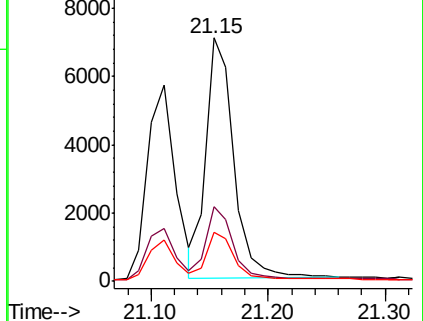
229 20.2 16.1 24.1



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: 0.431 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

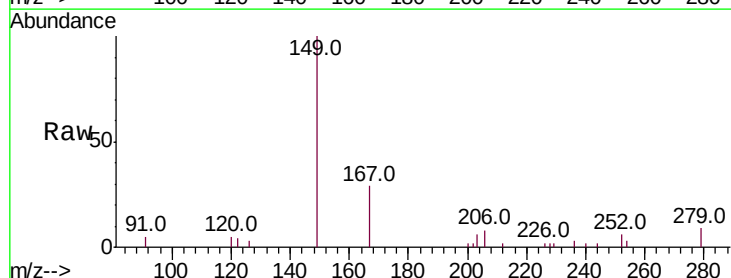
Tgt Ion:149 Resp: 3342

Ion Ratio Lower Upper

149 100

167 28.7 24.1 36.1

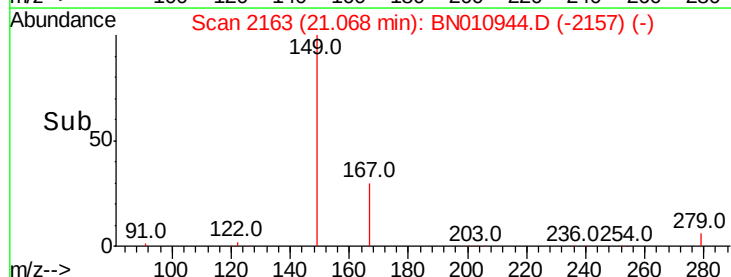
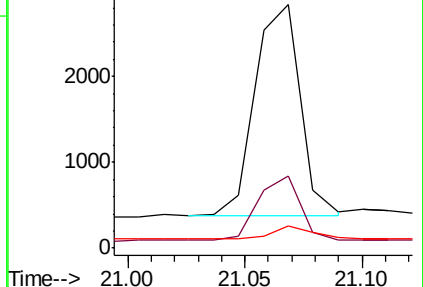
279 4.8 4.6 7.0

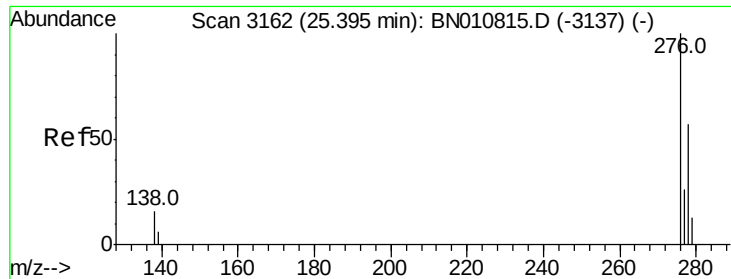


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.446 ng

RT: 25.38 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

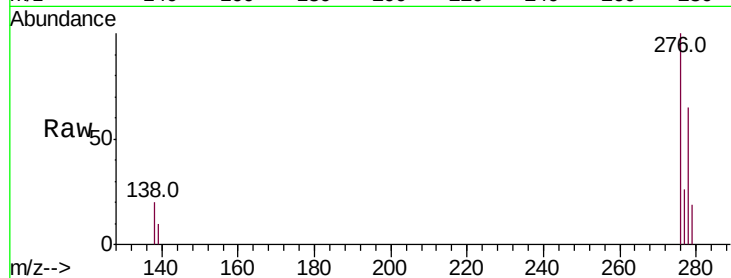
Tot Ion:276 Resp: 13531

Ion Ratio Lower Upper

276 100

138 19.3 13.0 19.6

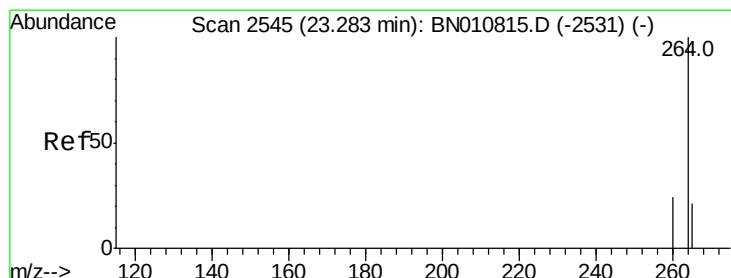
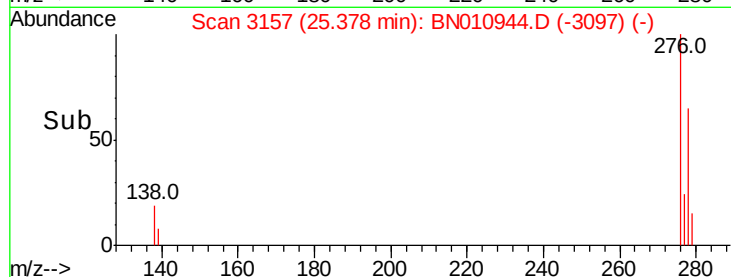
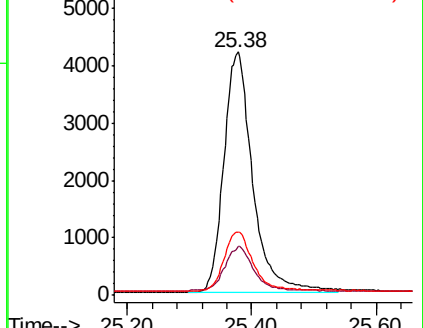
277 25.0 19.7 29.5



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: 23.27 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

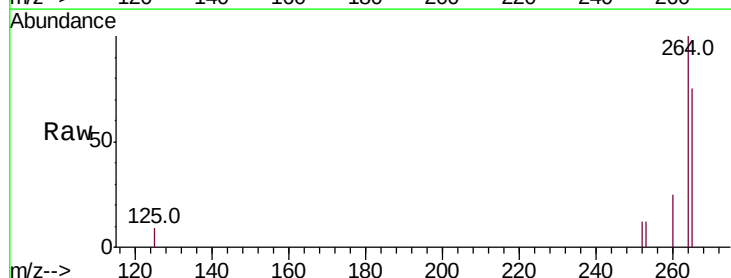
Tgt Ion:264 Resp: 8396

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

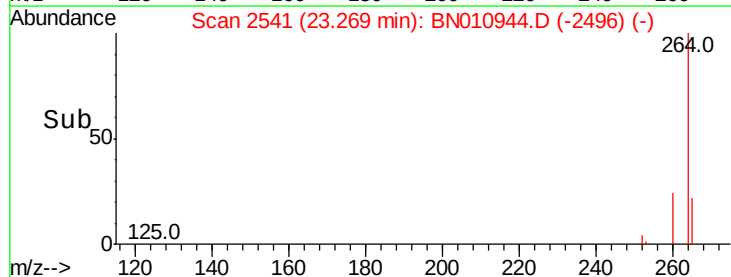
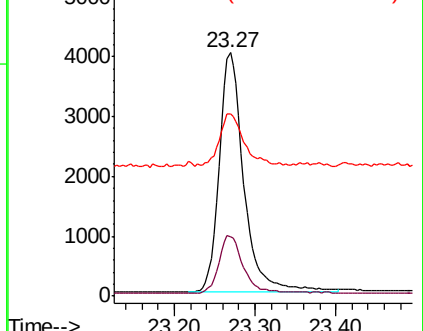
265 74.7 75.0 112.4#

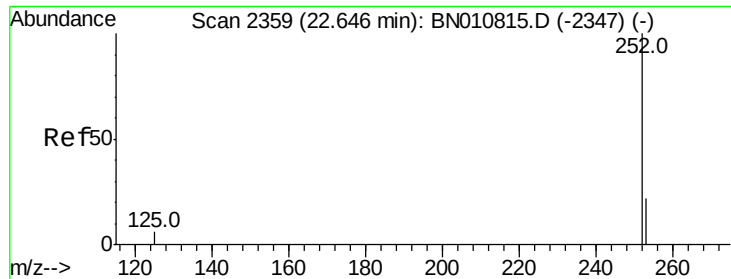


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.395 ng

RT: 22.64 min Scan# 2356

Delta R.T. 0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

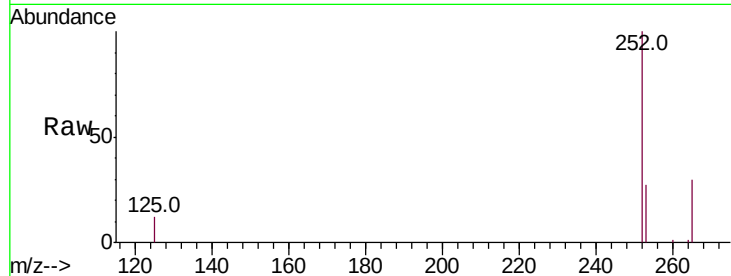
Tot Ion:252 Resp: 11275

Ion Ratio Lower Upper

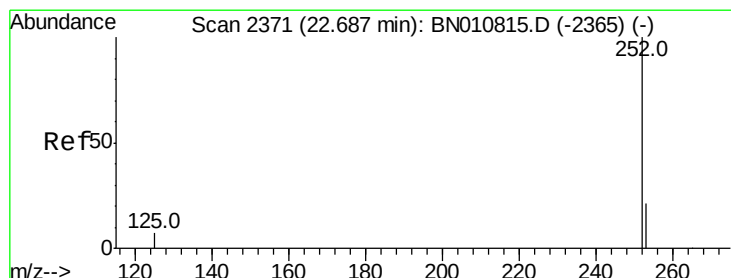
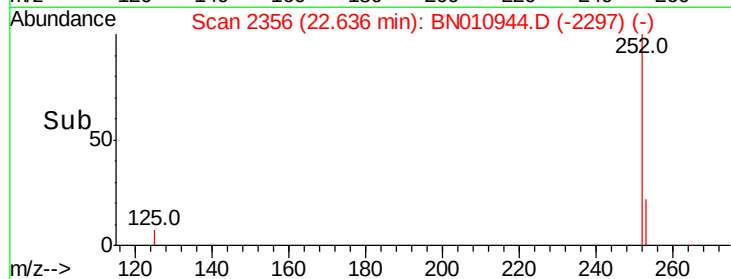
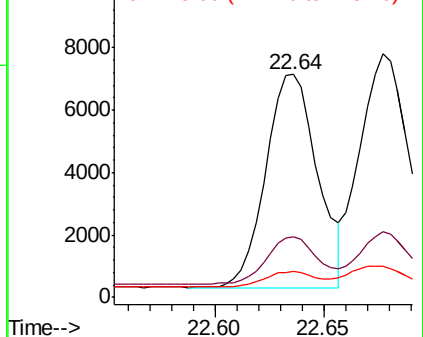
252 100

253 27.4 22.4 33.6

125 11.6 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.421 ng

RT: 22.68 min Scan# 2368

Delta R.T. 0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

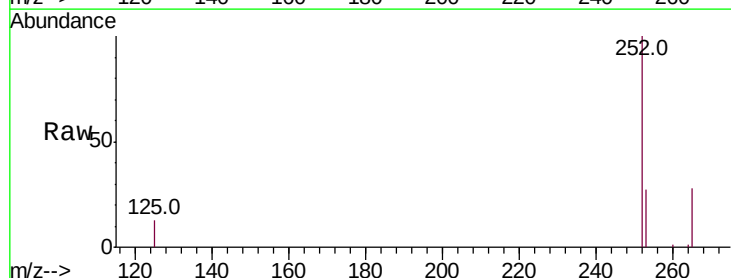
Tgt Ion:252 Resp: 12809

Ion Ratio Lower Upper

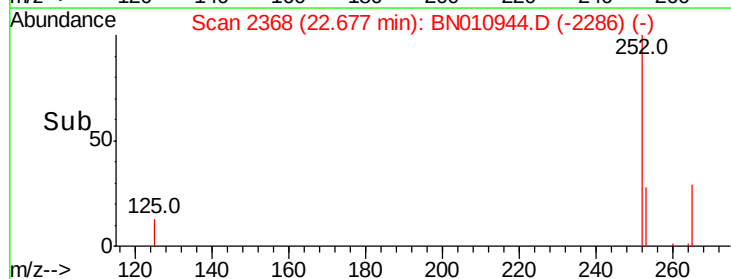
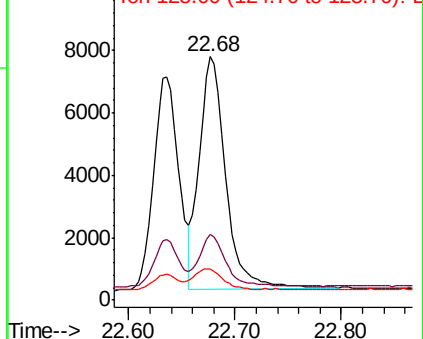
252 100

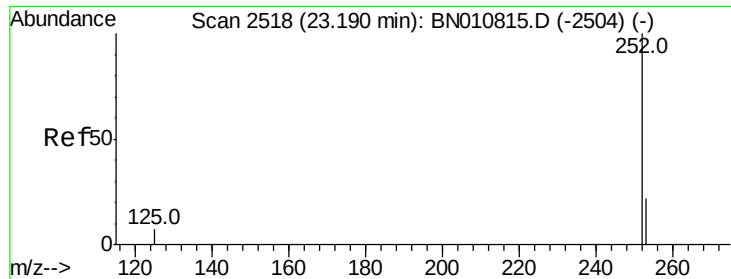
253 26.8 22.2 33.4

125 12.5 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: 0.407 ng

RT: 23.18 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

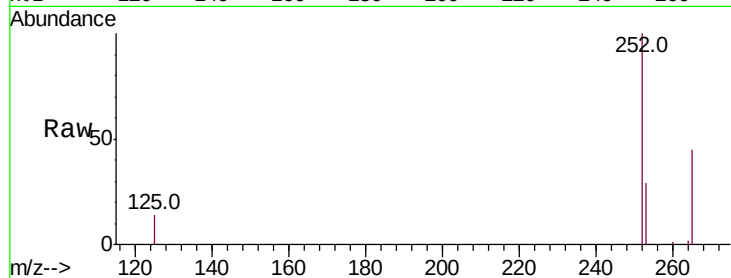
Tot Ion:252 Resp: 9961

Ion Ratio Lower Upper

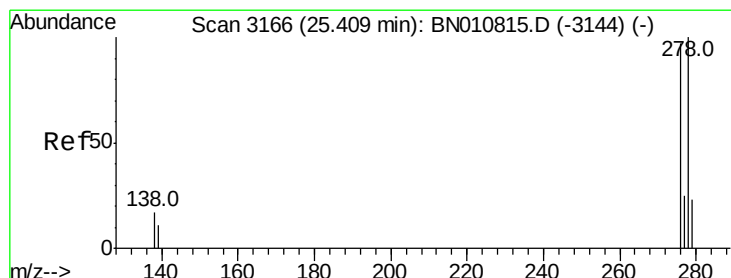
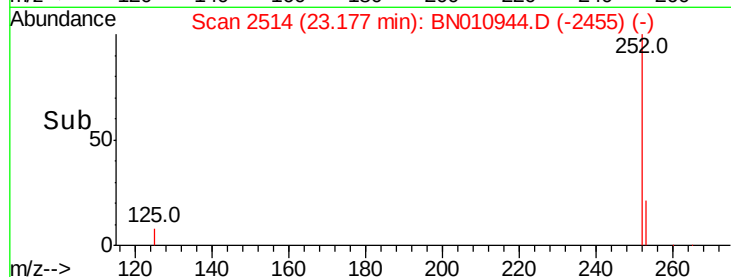
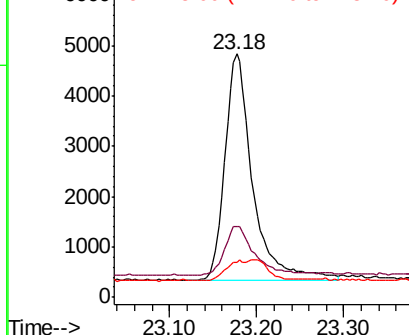
252 100

253 29.3 25.8 38.8

125 14.5 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: 25.39 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

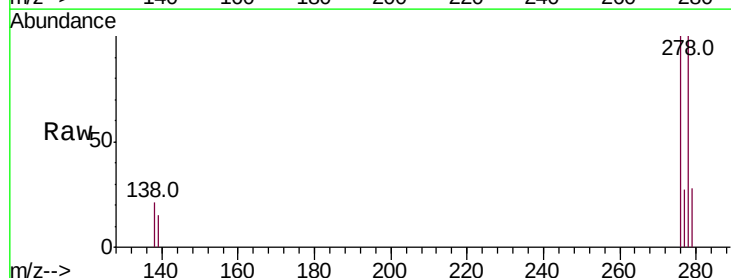
Tgt Ion:278 Resp: 10962

Ion Ratio Lower Upper

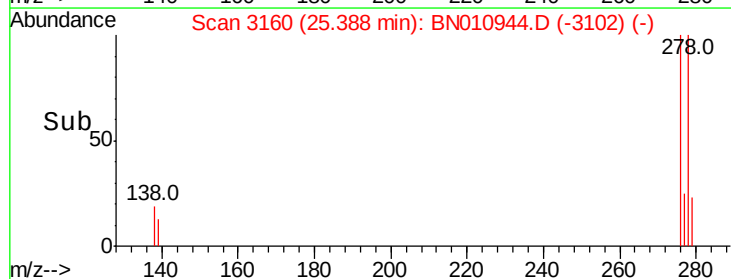
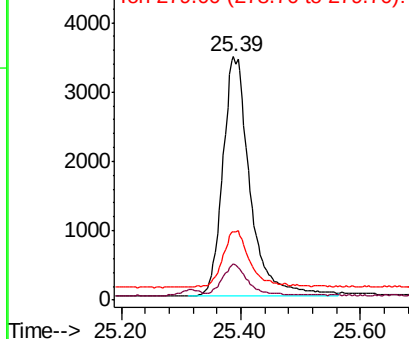
278 100

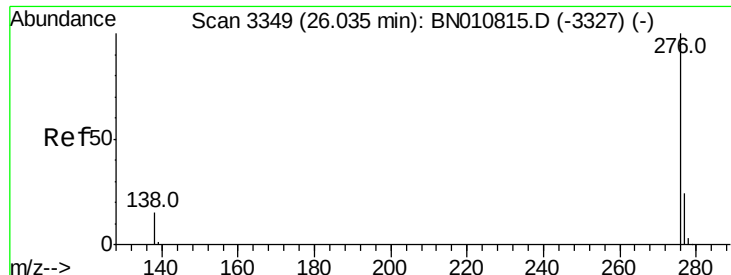
139 14.7 10.6 15.8

279 28.3 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: 0.391 ng

RT: 26.01 min Scan# 3343

Delta R.T. 0.01 min

Lab File: BN010944.D

Acq: 17 Jun 2020 17:11

Instrument :

BNA\_N

ClientSampleId :

PB129592BS

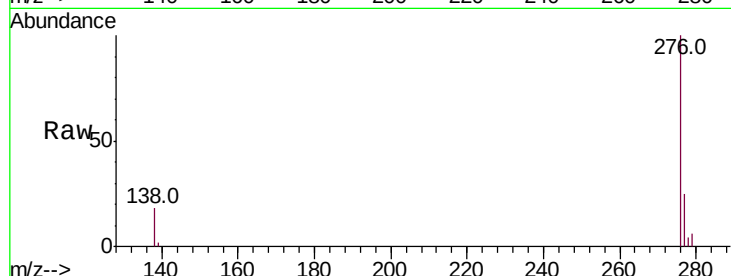
Tot Ion:276 Resp: 11414

Ion Ratio Lower Upper

276 100

277 24.8 20.5 30.7

138 17.8 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

