

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN052120\  
 Data File : BN010734.D  
 Acq On : 21 May 2020 19:22  
 Operator : CG/JU  
 Sample : PB129048BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129048BS

Quant Time: May 21 20:00:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 21 16:54:53 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 2987     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 11217    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.20 | 164  | 6649     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 13652    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.15 | 240  | 10675    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.32 | 264  | 9388     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.22  | 112 | 1944  | 0.33 | ng | 0.00 |
| 5) Phenol-d6                | 6.77  | 99  | 2293  | 0.32 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.71  | 82  | 2515  | 0.32 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.93 | 152 | 7721  | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.71 | 330 | 622   | 0.26 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.82 | 172 | 8141  | 0.33 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.99 | 212 | 10665 | 0.29 | ng | 0.01 |
| 29) Terphenyl-d14           | 19.61 | 244 | 8053  | 0.32 | ng | 0.01 |

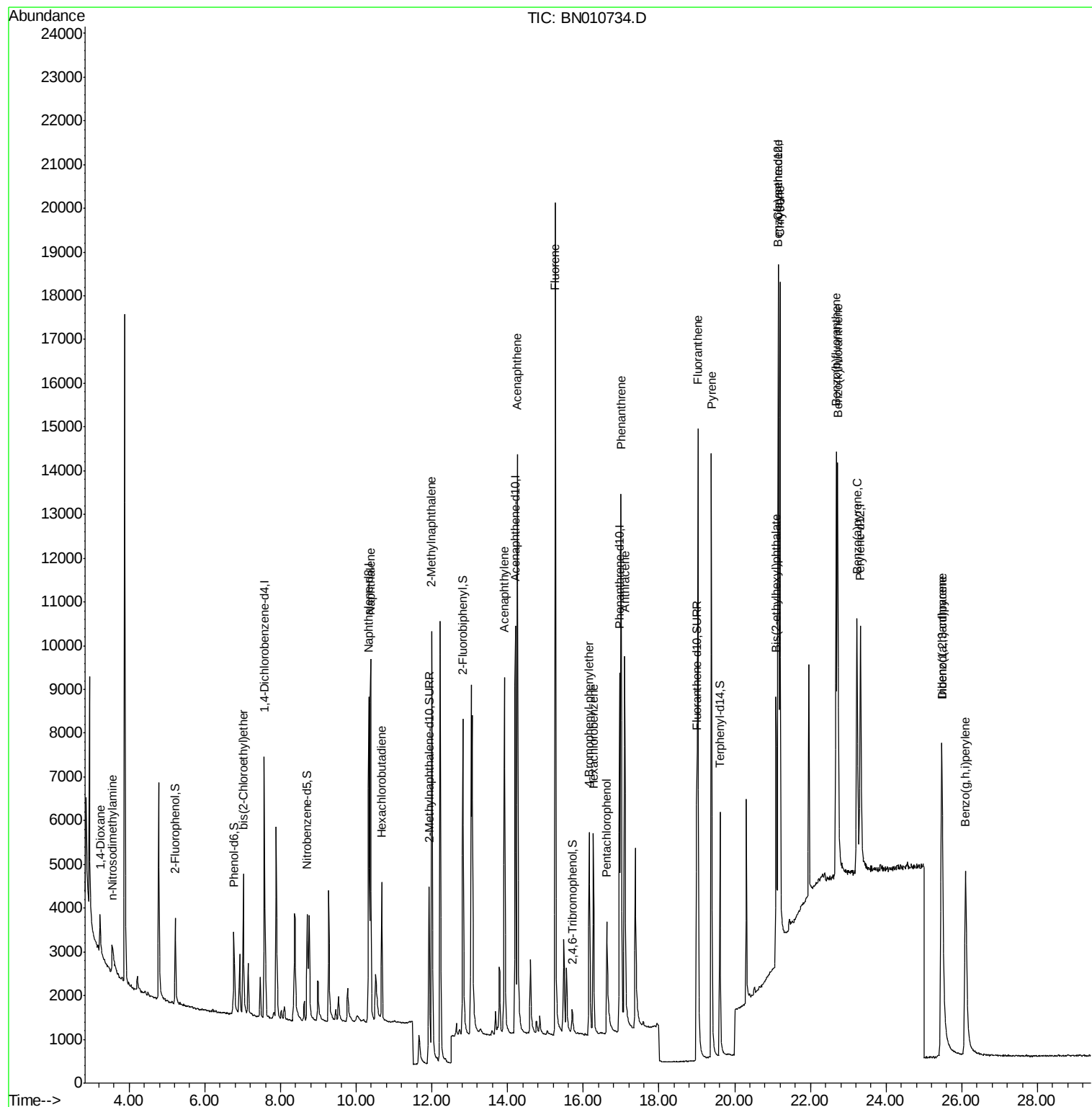
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 814   | 0.316  | ng | # 68 |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 789   | 0.532  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 7.02  | 93  | 3215  | 0.437  | ng | 96   |
| 9) Naphthalene                 | 10.38 | 128 | 12146 | 0.430  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.67 | 225 | 2645  | 0.410  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.00 | 142 | 8571  | 0.431  | ng | 99   |
| 16) Acenaphthylene             | 13.91 | 152 | 11342 | 0.418  | ng | 100  |
| 17) Acenaphthene               | 14.26 | 154 | 7905  | 0.431  | ng | 100  |
| 18) Fluorene                   | 15.26 | 166 | 10086 | 0.419  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.16 | 248 | 3029  | 0.402  | ng | 97   |
| 21) Hexachlorobenzene          | 16.26 | 284 | 3831  | 0.427  | ng | 99   |
| 22) Pentachlorophenol          | 16.62 | 266 | 2418  | 0.870  | ng | 99   |
| 23) Phenanthrene               | 17.00 | 178 | 15217 | 0.416  | ng | 100  |
| 24) Anthracene                 | 17.09 | 178 | 12481 | 0.406  | ng | 99   |
| 26) Fluoranthene               | 19.02 | 202 | 16651 | 0.400  | ng | 99   |
| 28) Pyrene                     | 19.39 | 202 | 16537 | 0.432  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.14 | 228 | 13407 | 0.431  | ng | 99   |
| 31) Chrysene                   | 21.20 | 228 | 14719 | 0.418  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 5167  | 0.379  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.46 | 276 | 12593 | 0.402  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.68 | 252 | 12962 | 0.418  | ng | 100  |
| 36) Benzo(k)fluoranthene       | 22.72 | 252 | 14598 | 0.437  | ng | 100  |
| 37) Benzo(a)pyrene             | 23.23 | 252 | 11727 | 0.437  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.48 | 278 | 10007 | 0.436  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 26.10 | 276 | 12204 | 0.453  | ng | 99   |

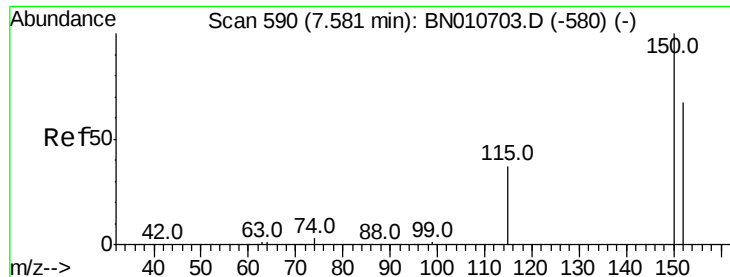
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 21 16:54:53 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

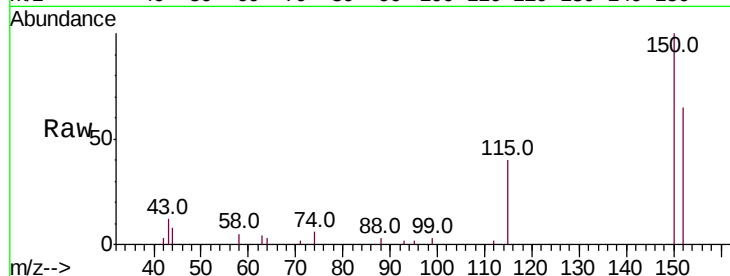
Tot Ion:152 Resp: 2987

Ion Ratio Lower Upper

152 100

150 154.2 119.4 179.0

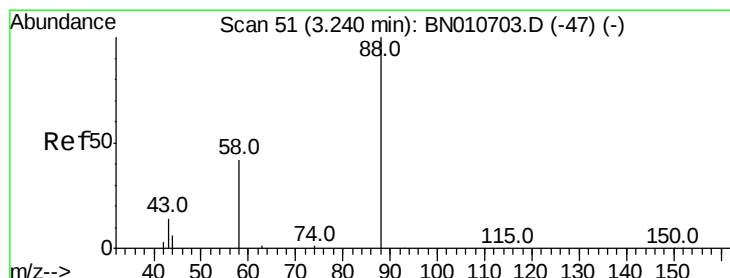
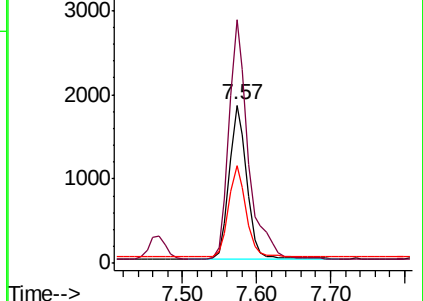
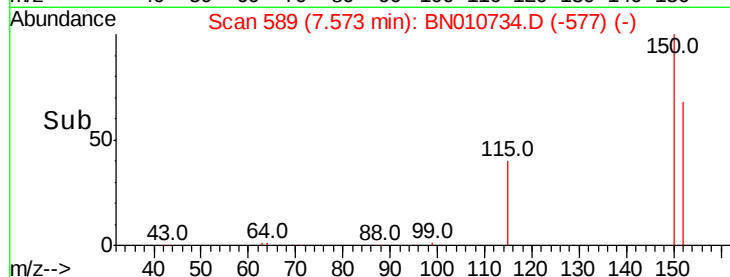
115 61.9 45.9 68.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.316 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

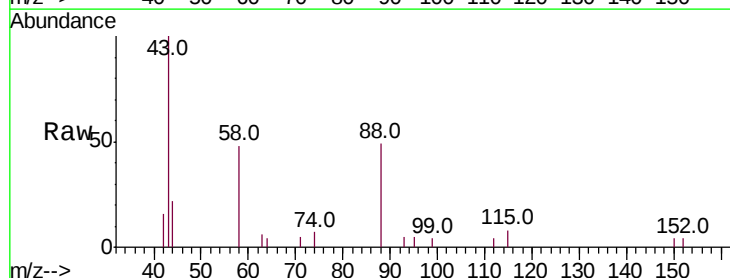
Tgt Ion: 88 Resp: 814

Ion Ratio Lower Upper

88 100

58 50.4 39.0 58.6

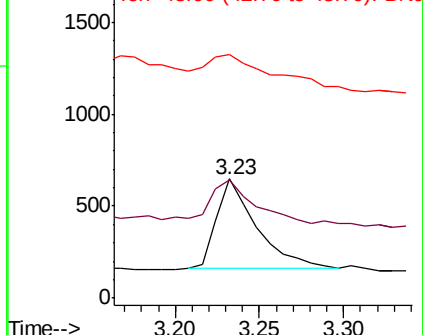
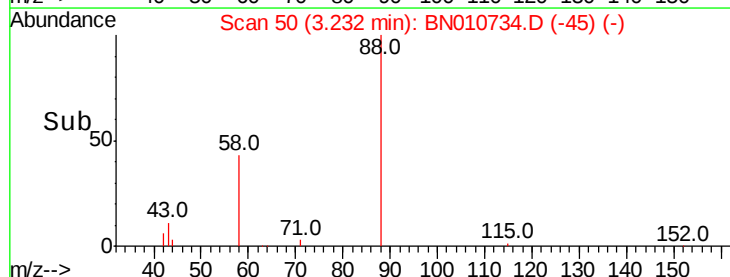
43 67.3 13.1 19.7#

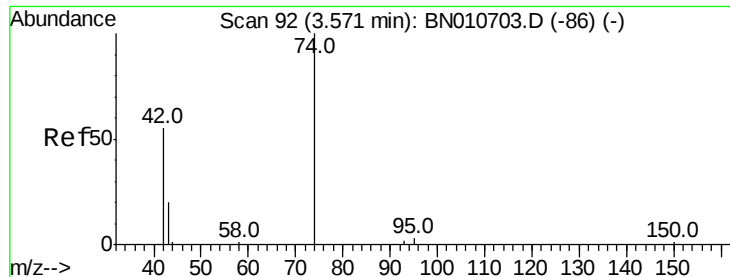


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.532 ng

RT: 3.55 min Scan# 90

Delta R.T. -0.02 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

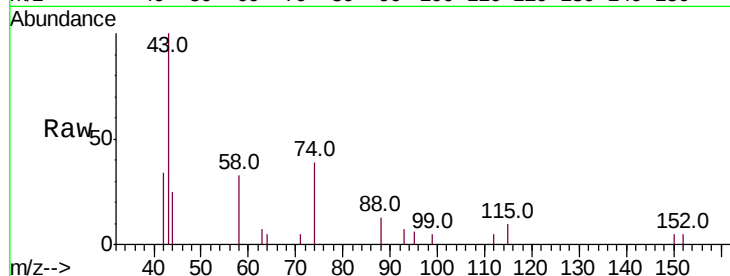
Tot Ion: 42 Resp: 789

Ion Ratio Lower Upper

42 100

74 172.8 146.2 219.2

44 0.0 3.0 4.4#



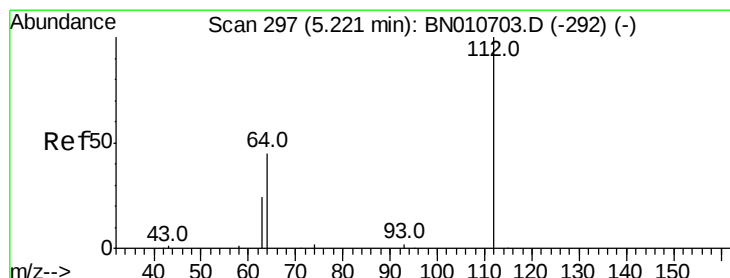
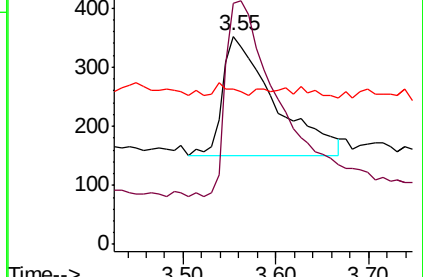
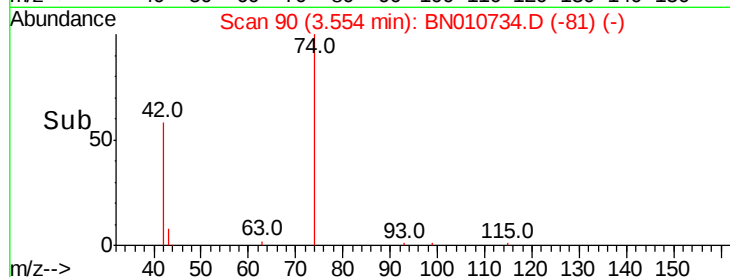
Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0

3.55

Time-->



#4

2-Fluorophenol

Concen: 0.332 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

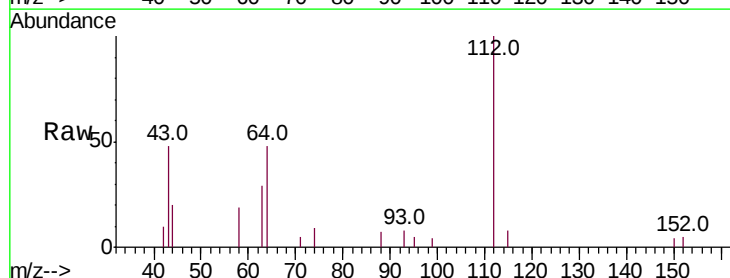
Tgt Ion: 112 Resp: 1944

Ion Ratio Lower Upper

112 100

64 46.0 36.2 54.4

63 26.0 19.8 29.8



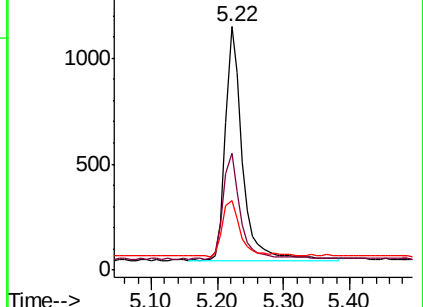
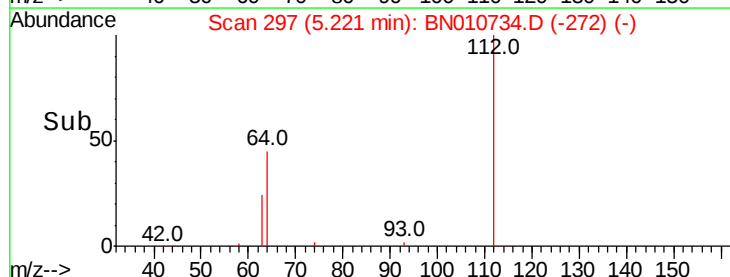
Abundance Ion 112.00 (111.70 to 112.70): E

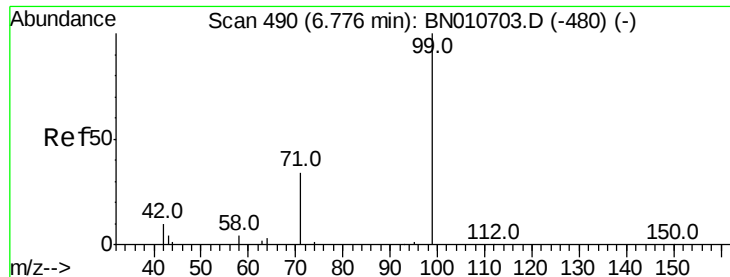
Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

5.22

Time-->





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.77 min Scan# 489

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

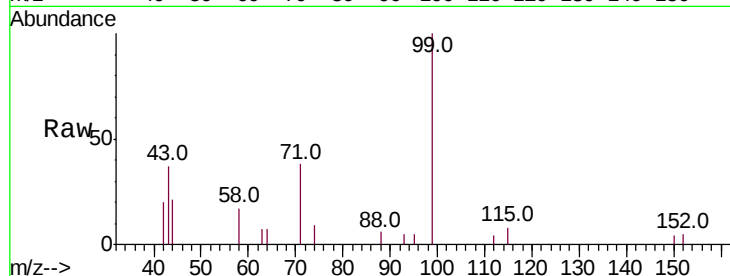
Tot Ion: 99 Resp: 2293

Ion Ratio Lower Upper

99 100

42 13.0 9.8 14.8

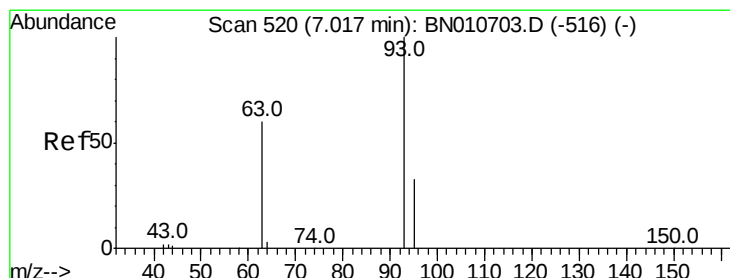
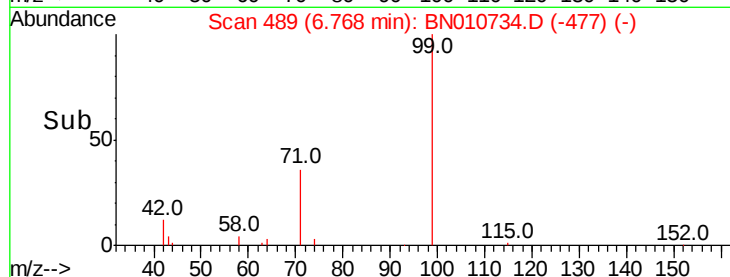
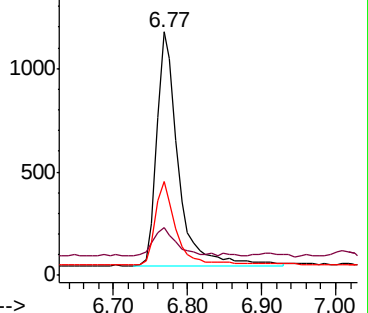
71 35.1 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010734.D (-480) (-)

Ion 42.00 (41.70 to 42.70): BN010734.D (-480) (-)

Ion 71.00 (70.70 to 71.70): BN010734.D (-480) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.437 ng

RT: 7.02 min Scan# 520

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

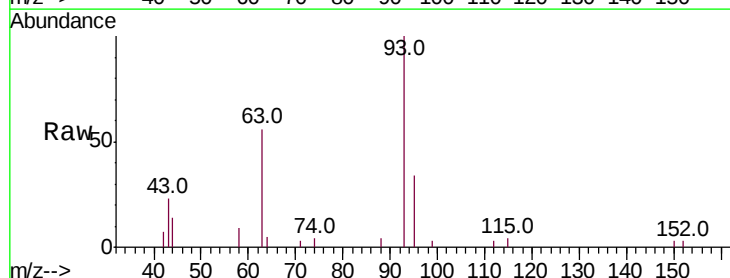
Tgt Ion: 93 Resp: 3215

Ion Ratio Lower Upper

93 100

63 57.2 43.1 64.7

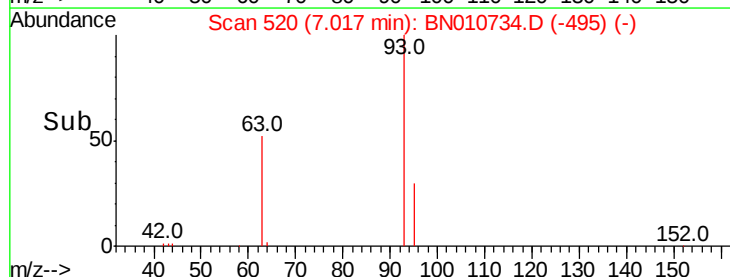
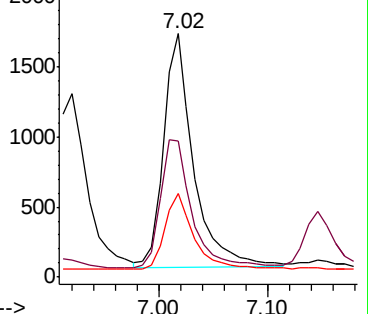
95 31.9 24.6 37.0

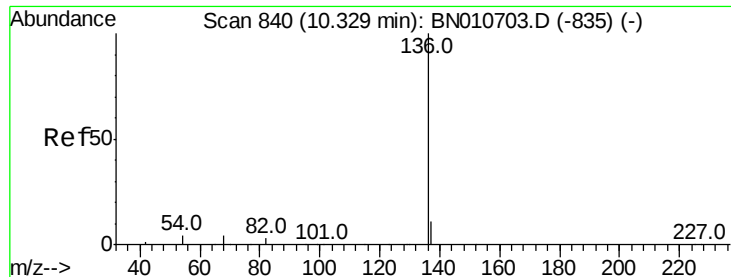


Abundance Ion 93.00 (92.70 to 93.70): BN010734.D (-516) (-)

Ion 63.00 (62.70 to 63.70): BN010734.D (-516) (-)

Ion 95.00 (94.70 to 95.70): BN010734.D (-516) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

Tot Ion:136 Resp: 11217

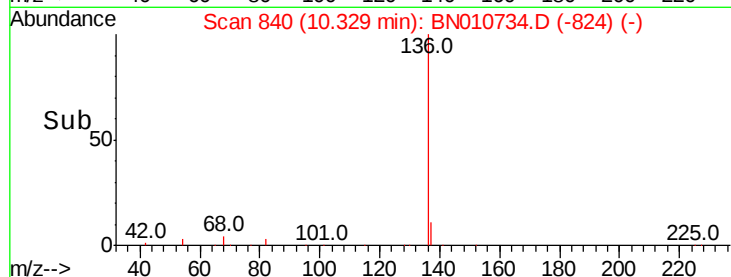
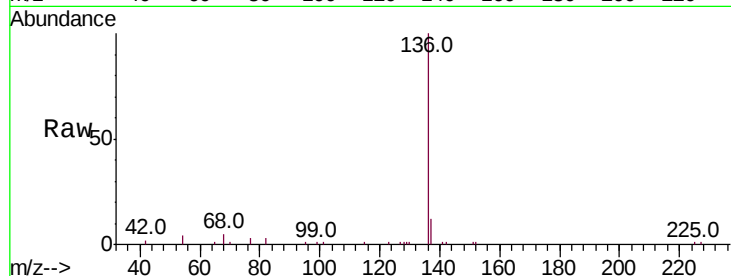
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 4.0 3.6 5.4

68 4.6 4.1 6.1

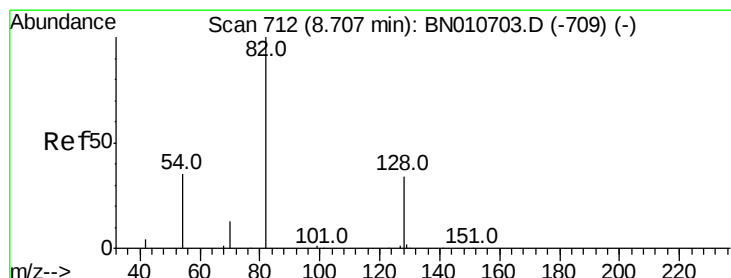
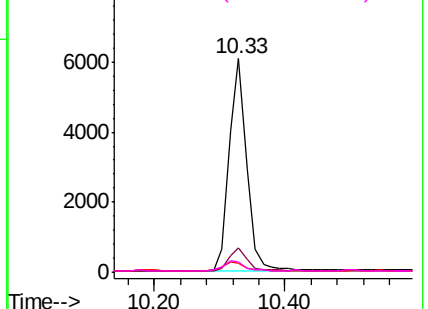


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 8.71 min Scan# 712

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

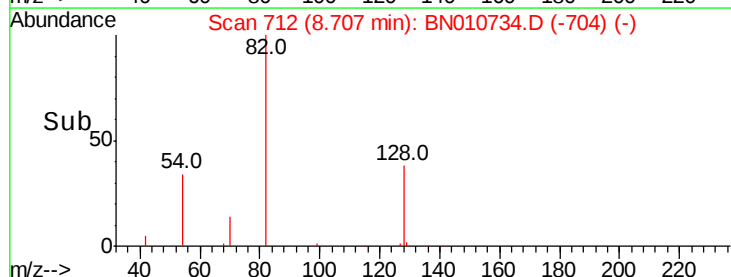
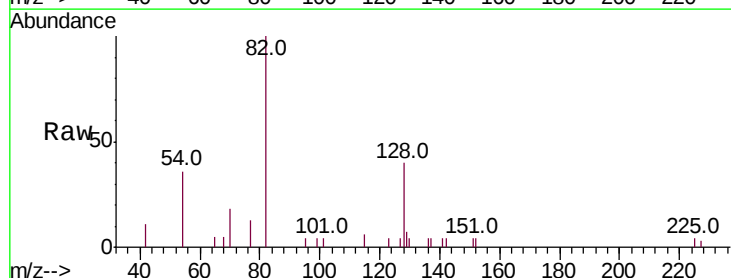
Tgt Ion: 82 Resp: 2515

Ion Ratio Lower Upper

82 100

128 39.9 29.0 43.4

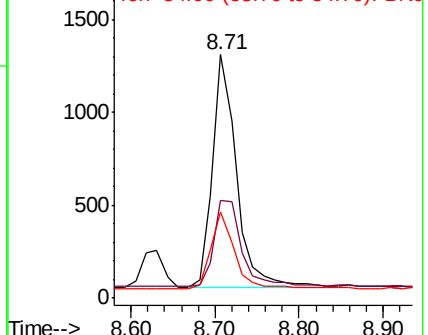
54 35.5 29.3 43.9

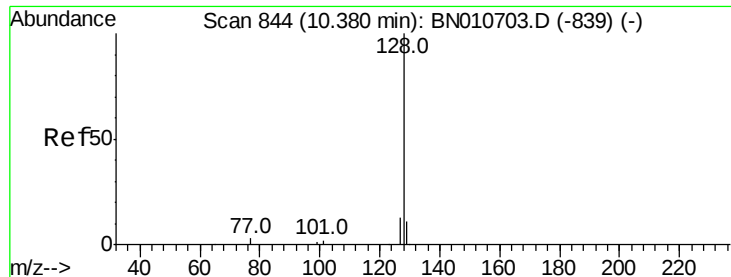


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.430 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

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ClientSampleId :

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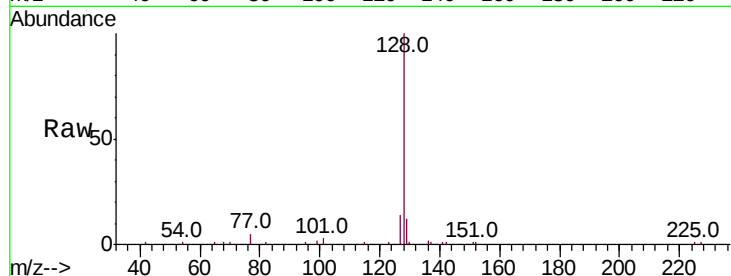
Tot Ion:128 Resp: 12146

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

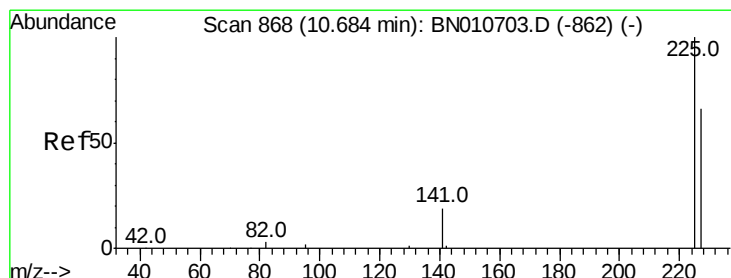
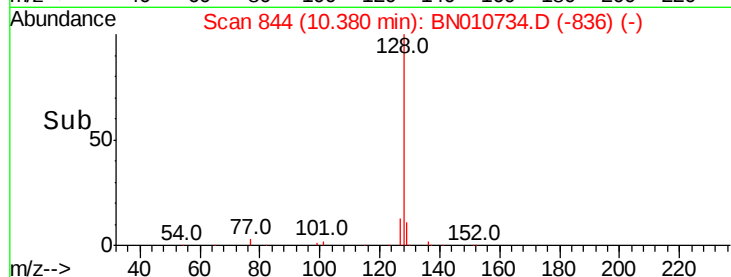
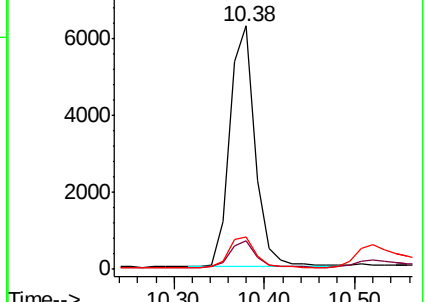
127 13.6 11.0 16.6



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: 0.410 ng

RT: 10.67 min Scan# 867

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

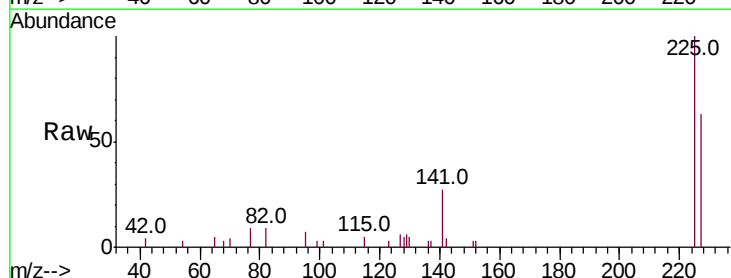
Tgt Ion:225 Resp: 2645

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

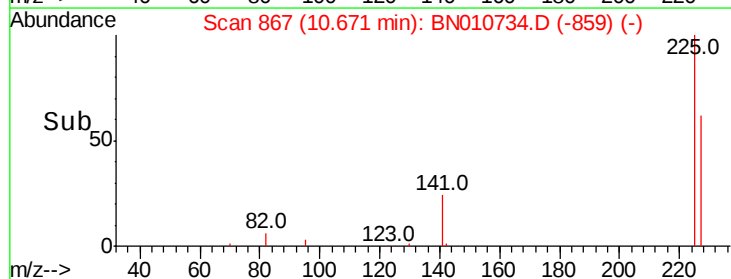
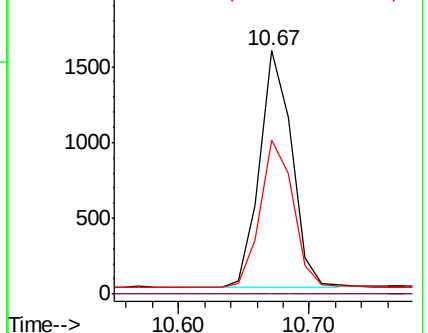
227 64.0 50.7 76.1

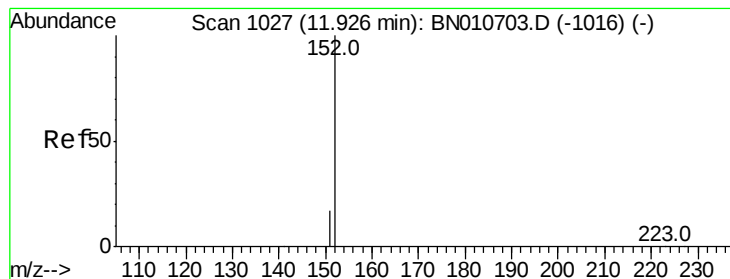


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.422 ng

RT: 11.93 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

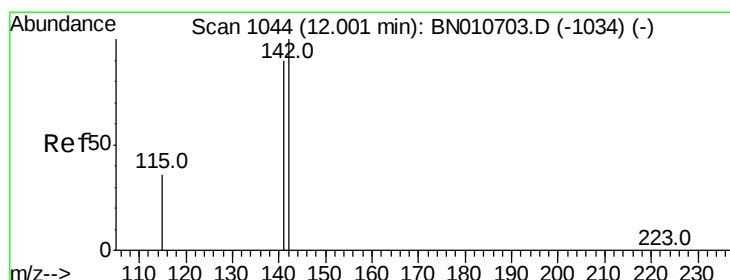
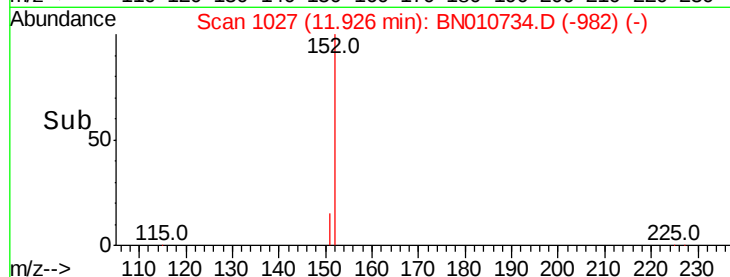
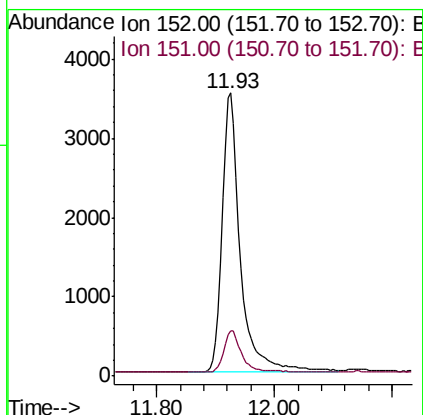
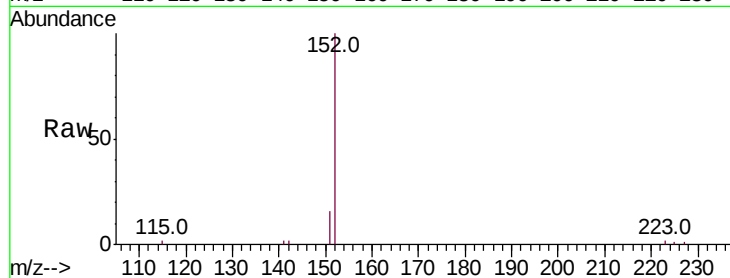
PB129048BS

Tot Ion:152 Resp: 7721

Ion Ratio Lower Upper

152 100

151 13.8 15.0 22.6#



#12

2-Methylnaphthalene

Concen: 0.431 ng

RT: 12.00 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

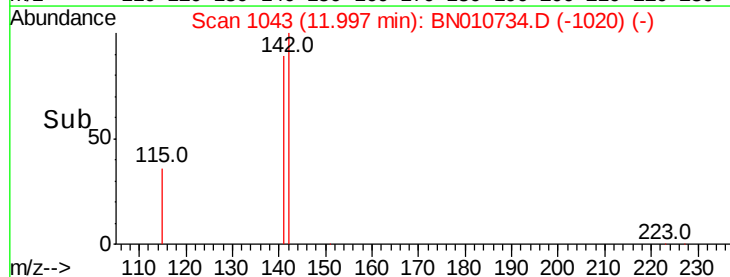
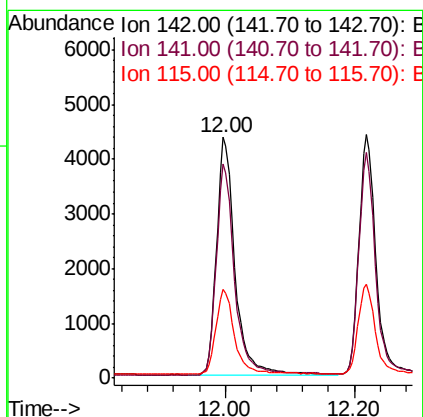
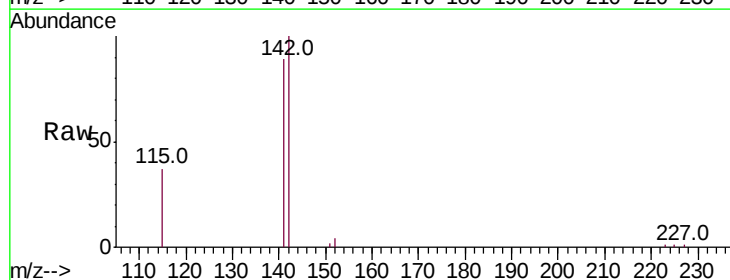
Tgt Ion:142 Resp: 8571

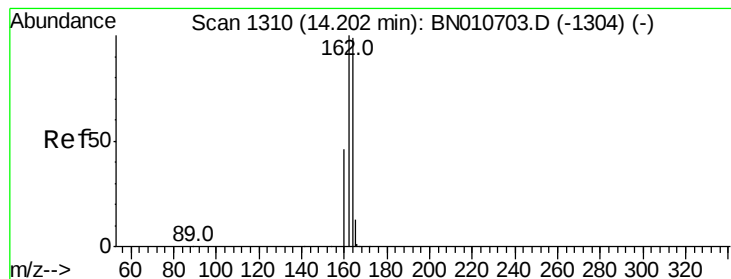
Ion Ratio Lower Upper

142 100

141 88.8 71.7 107.5

115 37.1 29.8 44.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

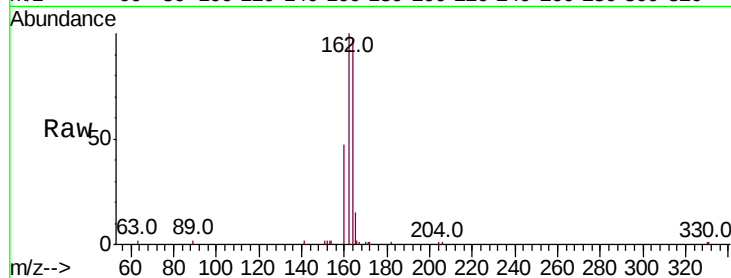
Tot Ion:164 Resp: 6649

Ion Ratio Lower Upper

164 100

162 103.1 81.1 121.7

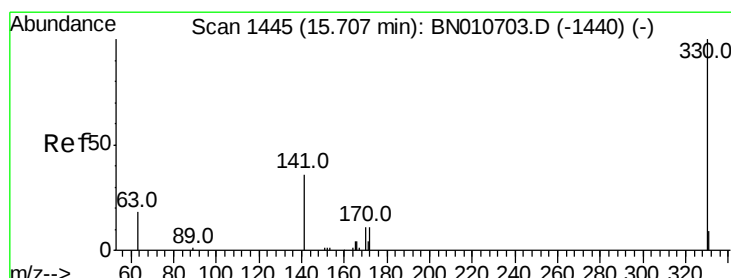
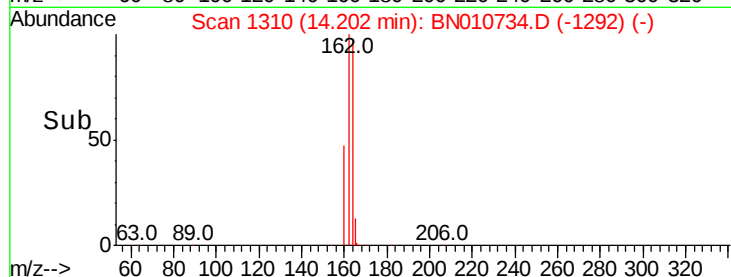
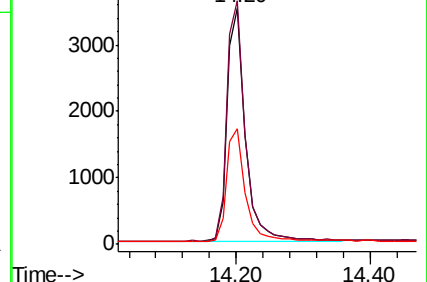
160 48.7 37.9 56.9



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: 0.258 ng

RT: 15.71 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

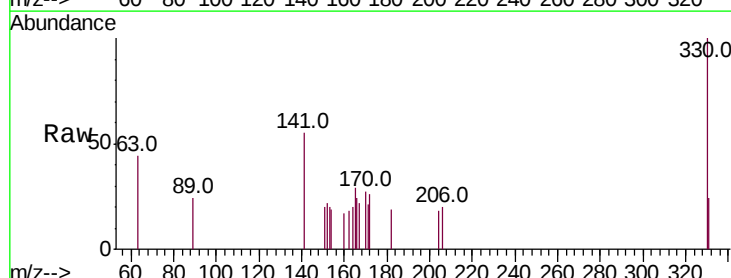
Tgt Ion:330 Resp: 622

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

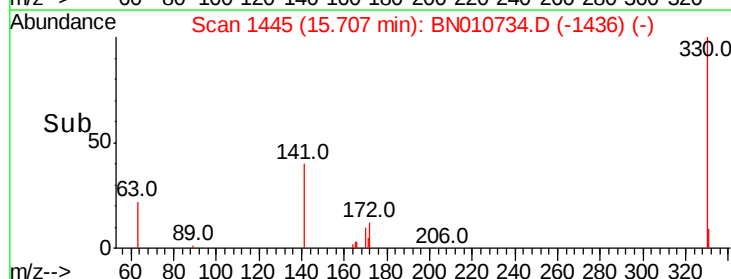
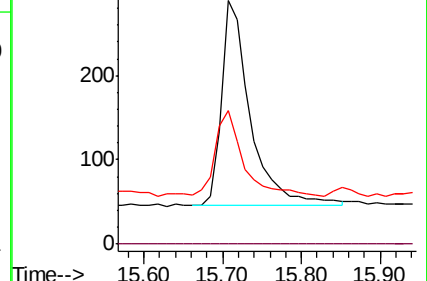
141 42.1 28.8 43.2

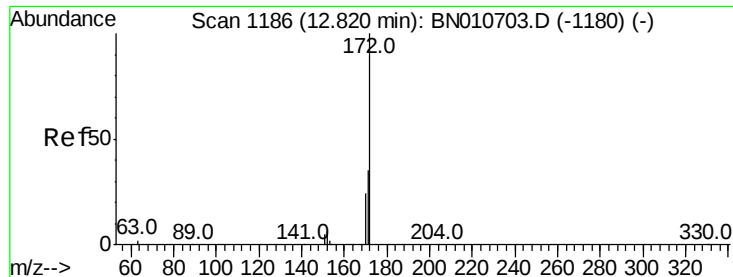


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

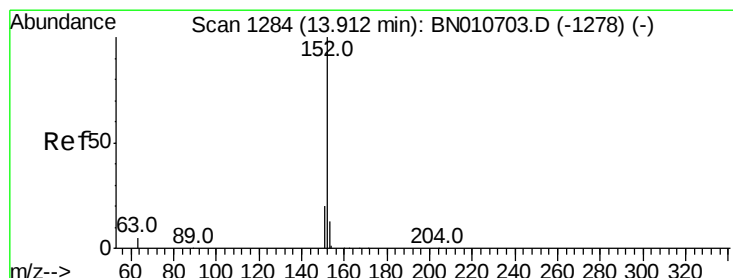
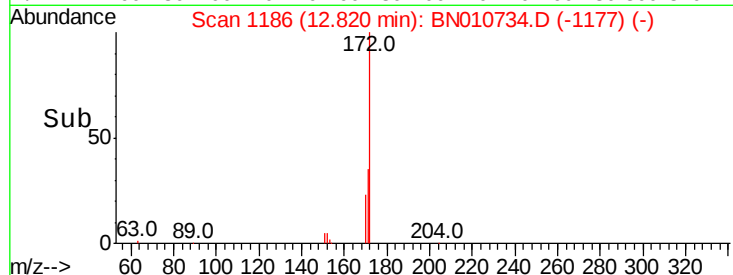
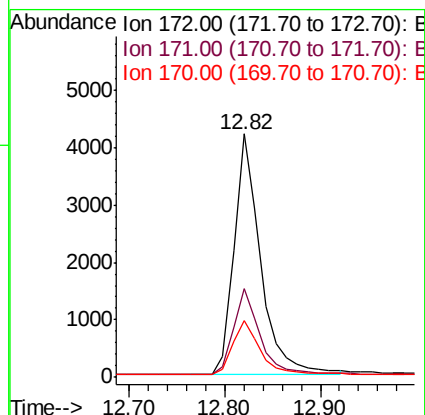
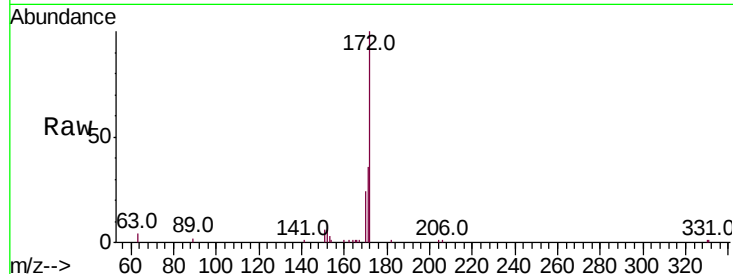




#15  
2-Fluorobiphenyl  
Concen: 0.334 ng  
RT: 12.82 min Scan# 1186  
Delta R.T. 0.00 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

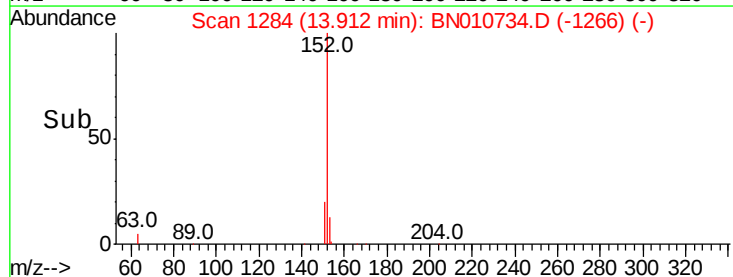
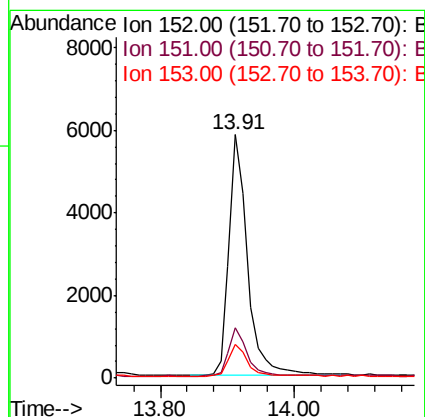
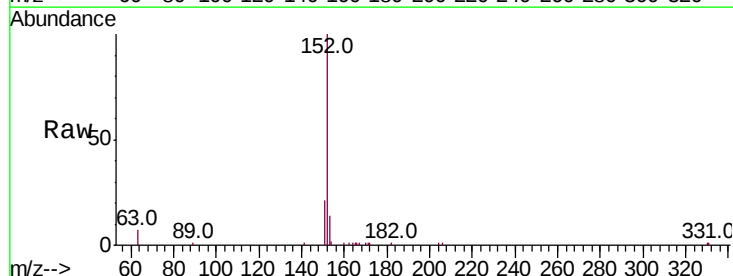
Instrument :  
BNA\_N  
ClientSampled :  
PB129048BS

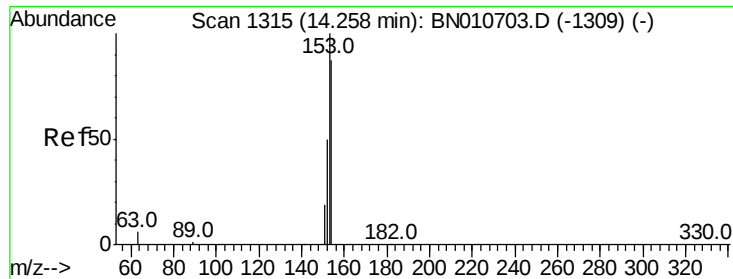
Tot Ion:172 Resp: 8141  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.6 42.8  
170 23.5 19.8 29.8



#16  
Acenaphthylene  
Concen: 0.418 ng  
RT: 13.91 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

Tgt Ion:152 Resp: 11342  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.6 23.4  
153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.431 ng

RT: 14.26 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

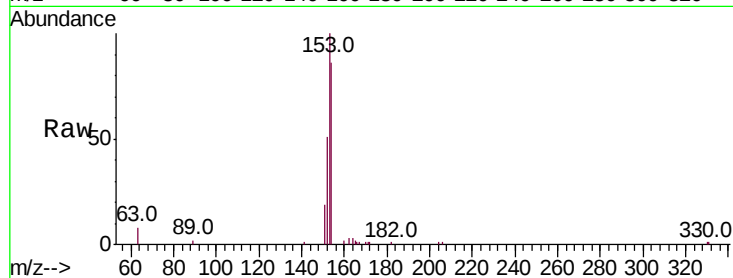
Tot Ion:154 Resp: 7905

Ion Ratio Lower Upper

154 100

153 113.8 91.5 137.3

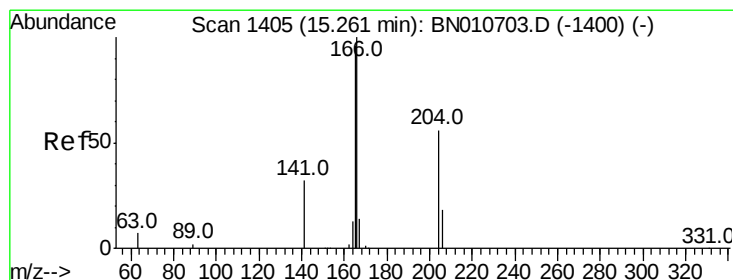
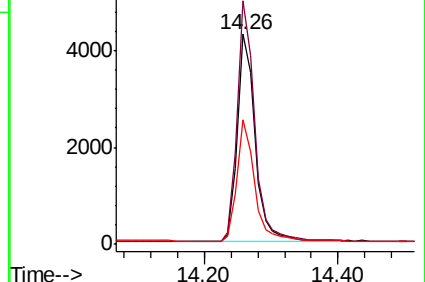
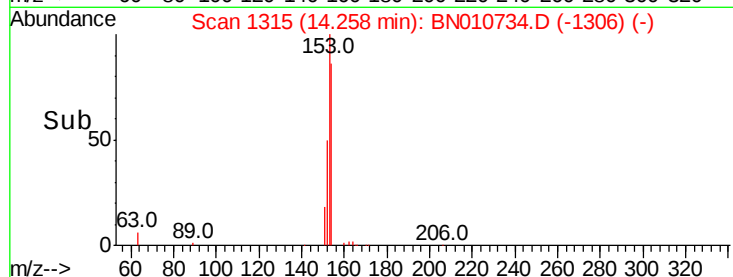
152 56.9 45.6 68.4



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: 0.419 ng

RT: 15.26 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

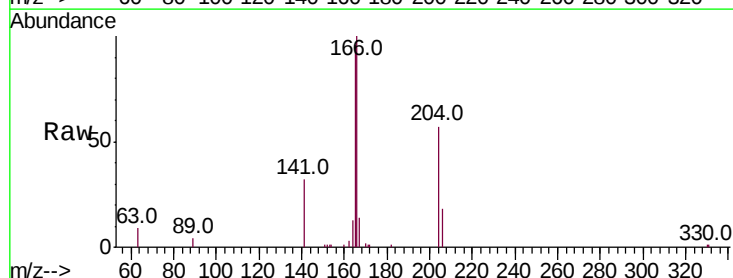
Tgt Ion:166 Resp: 10086

Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

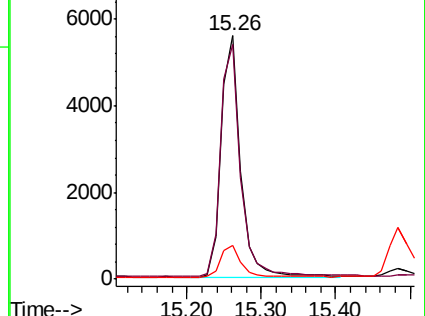
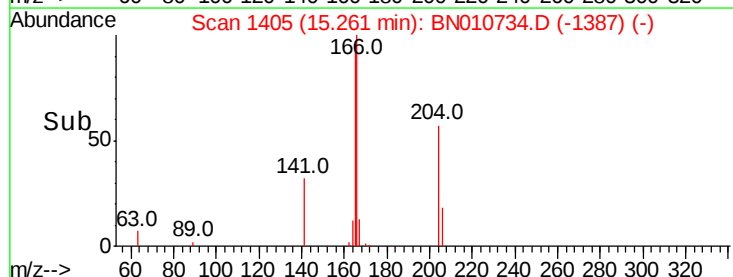
167 13.6 11.0 16.4

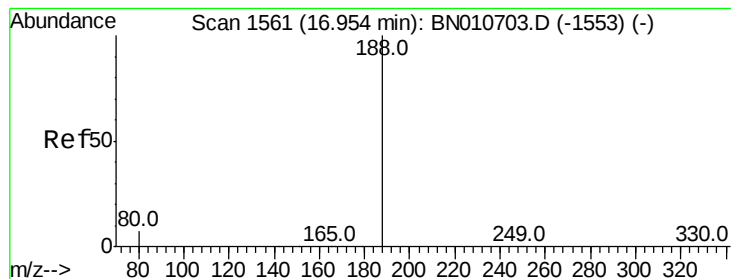


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.95 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

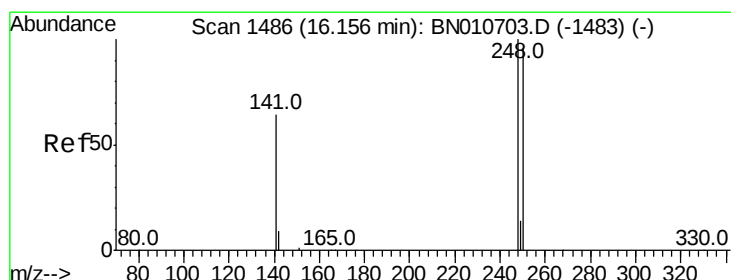
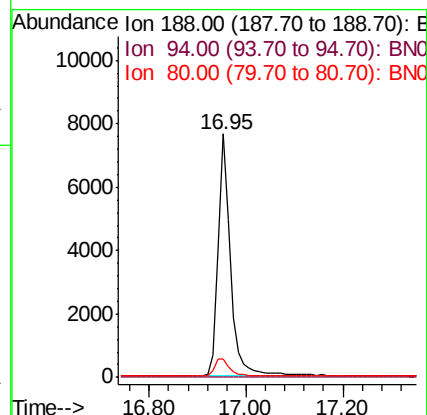
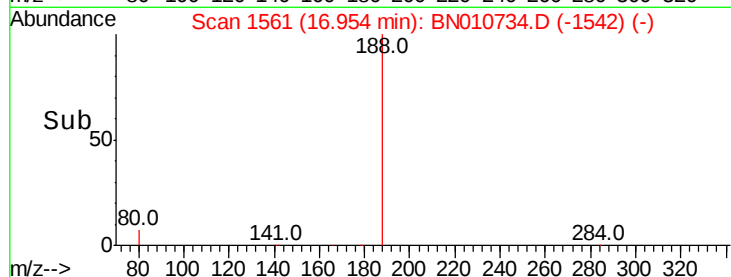
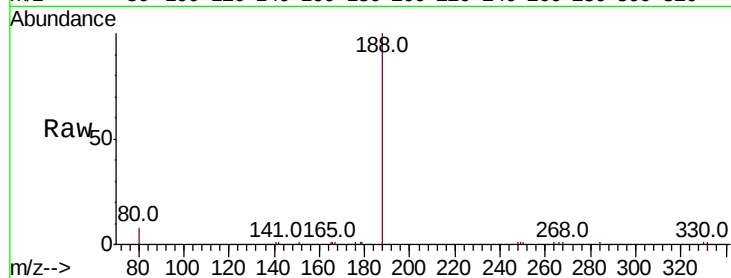
Tot Ion:188 Resp: 13652

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.8 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.402 ng

RT: 16.16 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

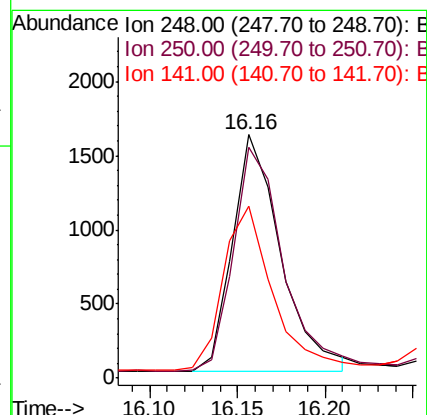
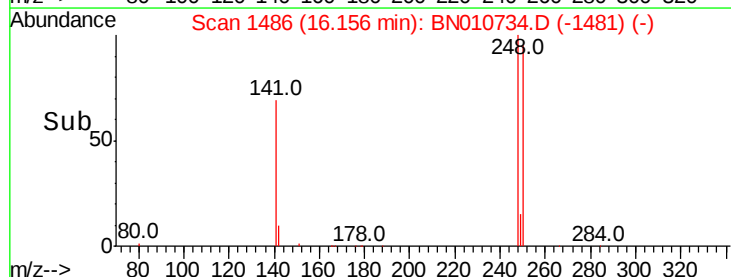
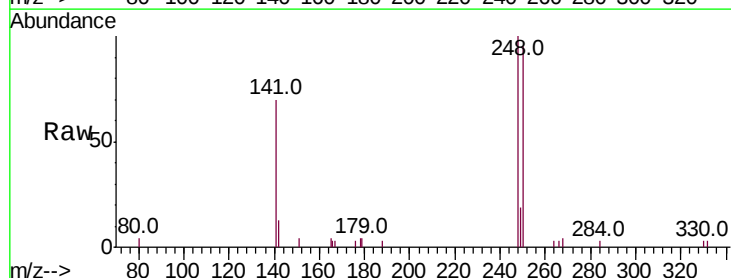
Tgt Ion:248 Resp: 3029

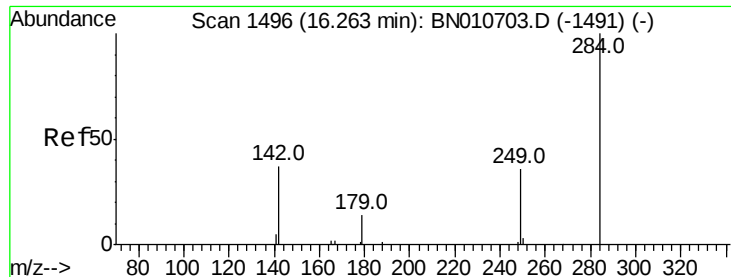
Ion Ratio Lower Upper

248 100

250 94.9 77.4 116.0

141 70.5 53.1 79.7

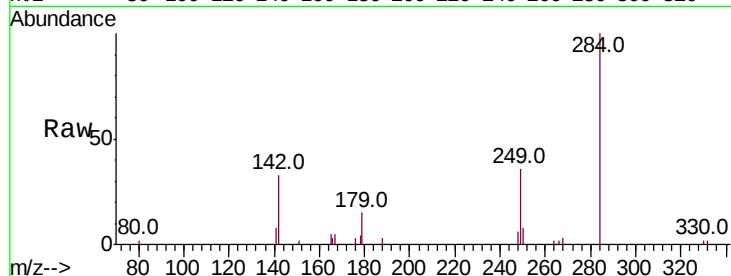




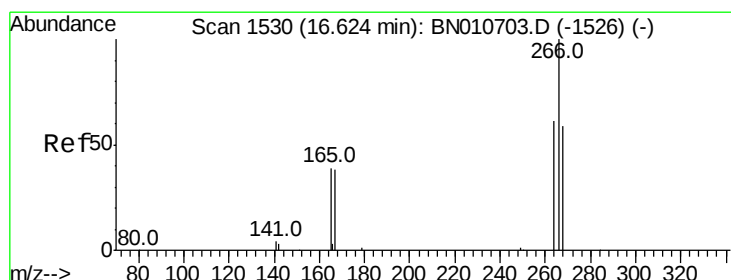
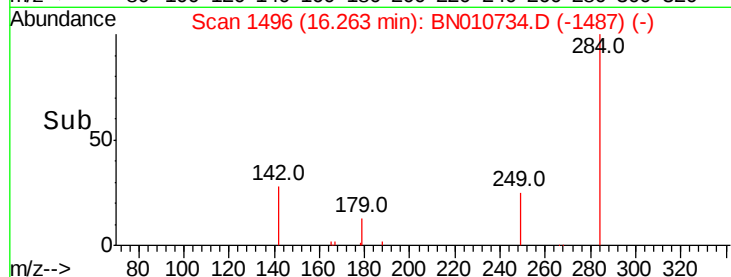
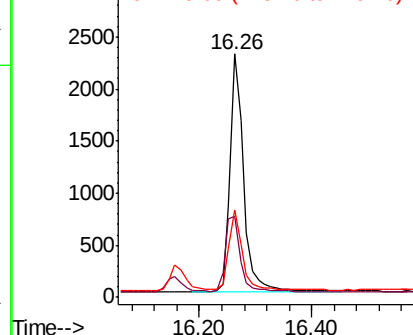
#21  
Hexachlorobenzene  
Concen: 0.427 ng  
RT: 16.26 min Scan# 1496  
Delta R.T. 0.00 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

Instrument :  
BNA\_N  
ClientSampleId :  
PB129048BS

Tot Ion:284 Resp: 3831  
Ion Ratio Lower Upper  
284 100  
142 35.1 28.2 42.2  
249 32.3 26.4 39.6

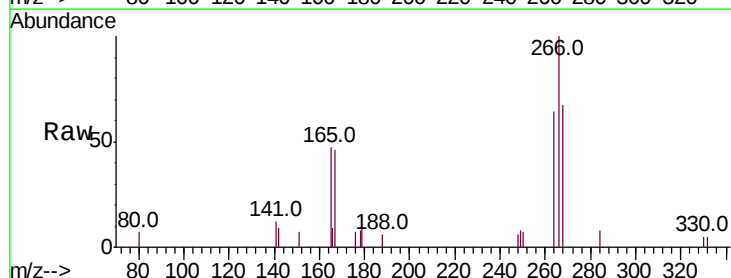


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

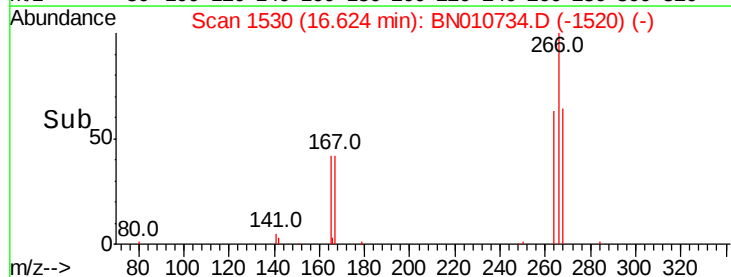
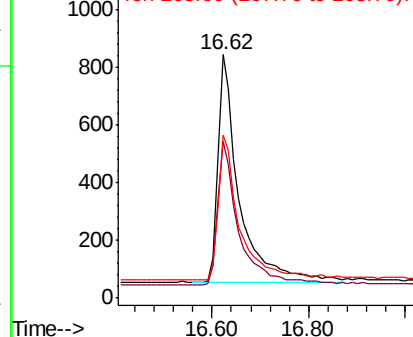


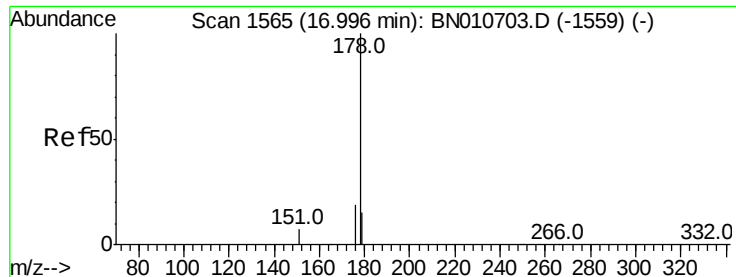
#22  
Pentachlorophenol  
Concen: 0.870 ng  
RT: 16.62 min Scan# 1530  
Delta R.T. 0.01 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

Tgt Ion:266 Resp: 2418  
Ion Ratio Lower Upper  
266 100  
264 64.1 51.1 76.7  
268 67.0 52.1 78.1



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: 0.416 ng

RT: 17.00 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

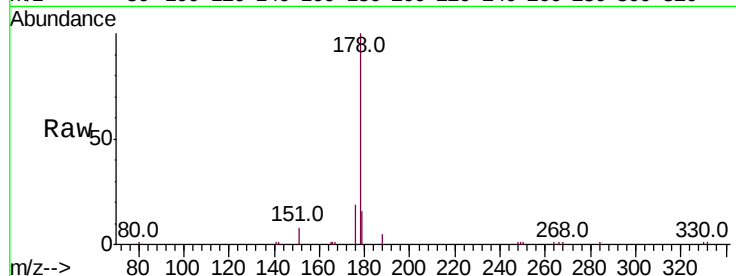
Tot Ion:178 Resp: 15217

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

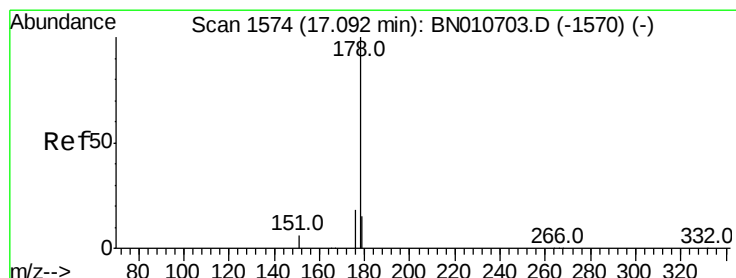
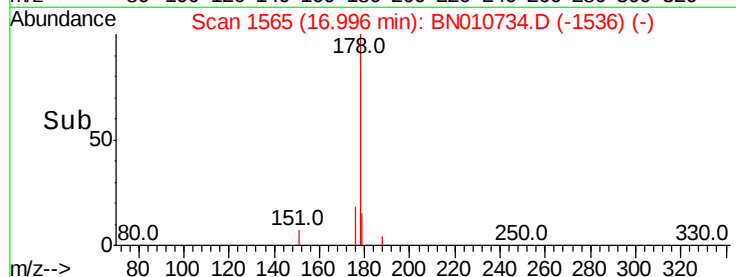
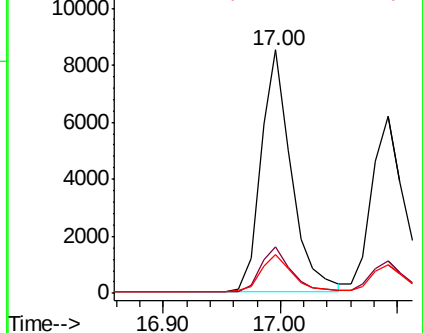
179 15.6 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.406 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

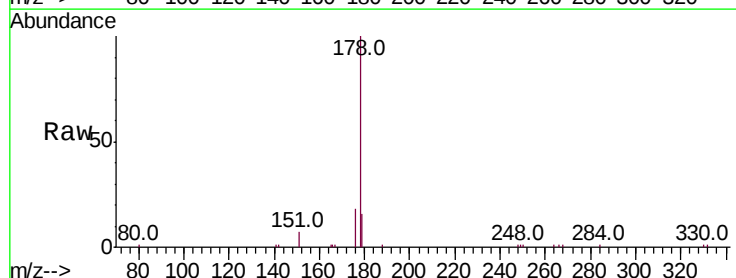
Tgt Ion:178 Resp: 12481

Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

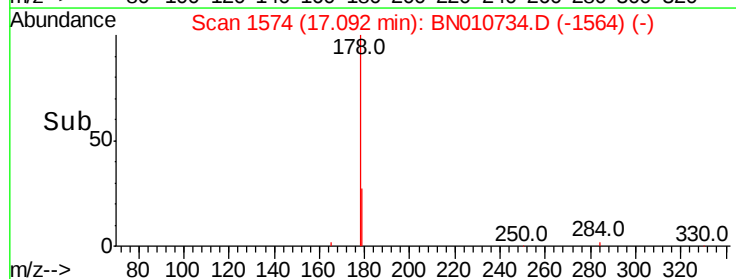
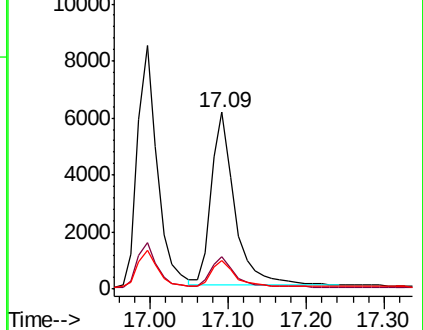
179 15.1 12.3 18.5

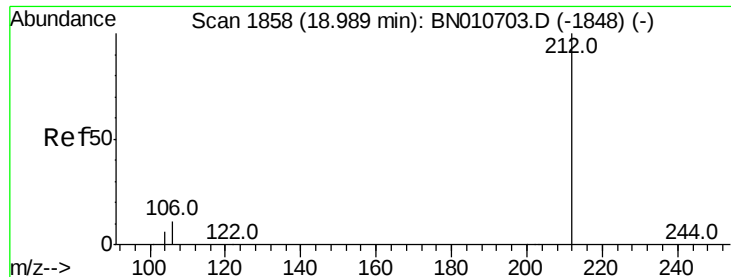


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.288 ng

RT: 18.99 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

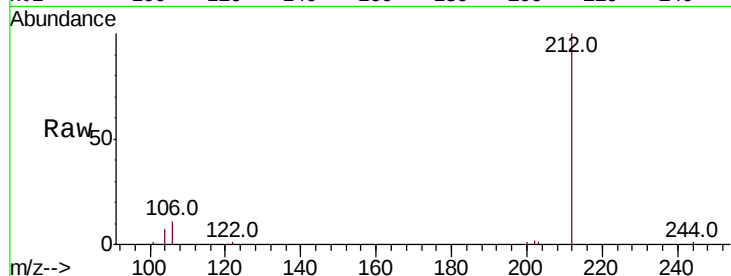
Tot Ion:212 Resp: 10665

Ion Ratio Lower Upper

212 100

106 9.8 8.2 12.2

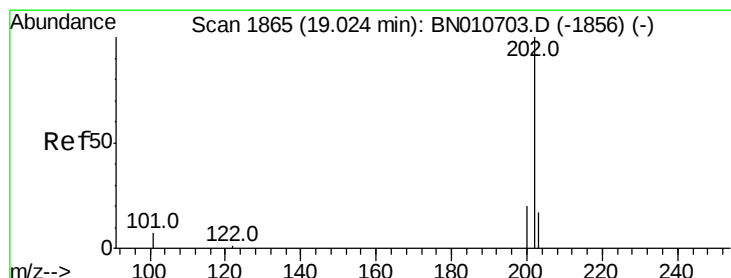
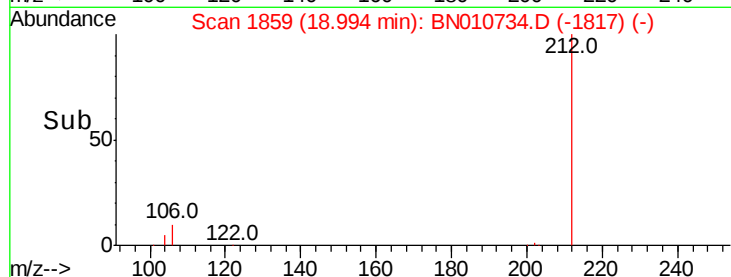
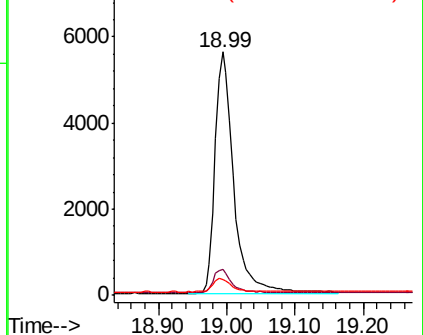
104 5.6 4.7 7.1



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: 0.400 ng

RT: 19.02 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

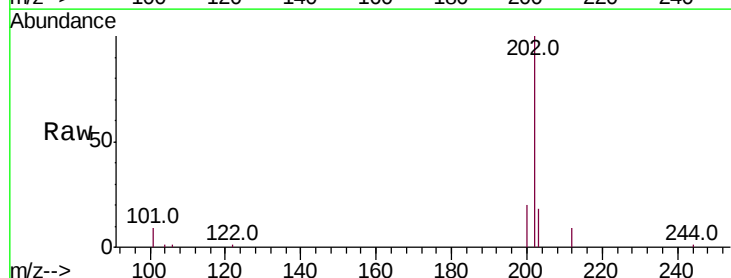
Tgt Ion:202 Resp: 16651

Ion Ratio Lower Upper

202 100

101 8.4 6.7 10.1

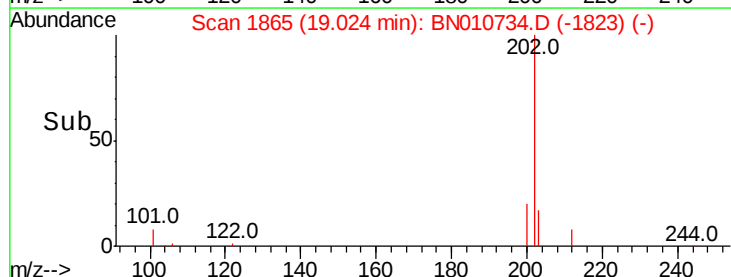
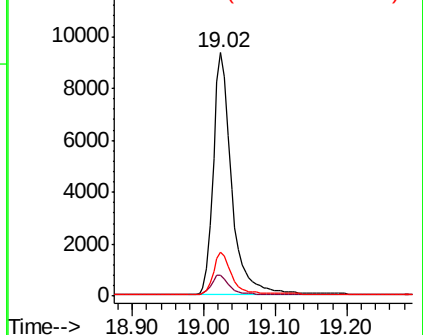
203 17.4 13.4 20.0

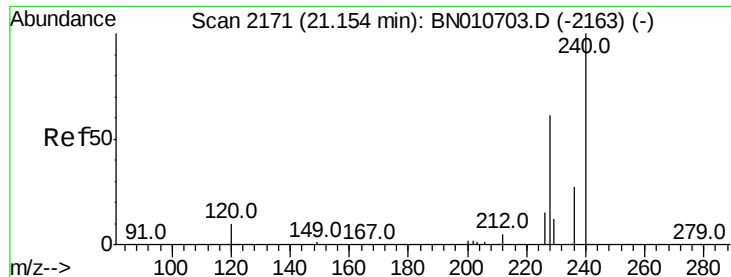


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.15 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

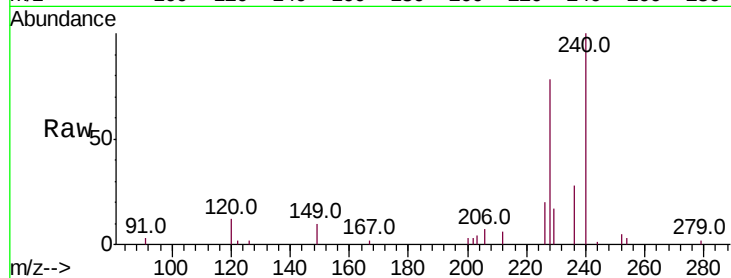
Tot Ion:240 Resp: 10675

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

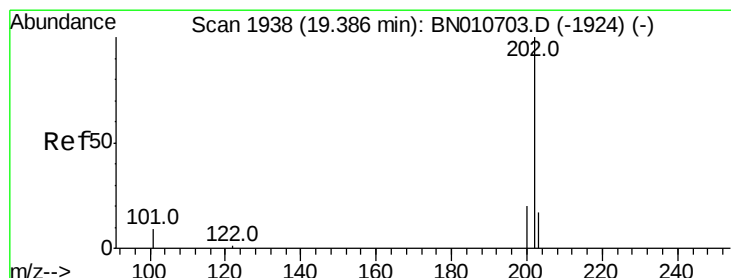
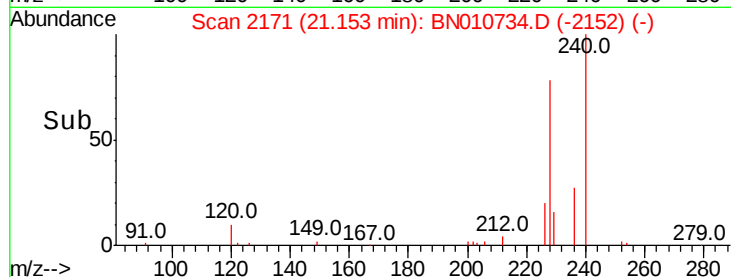
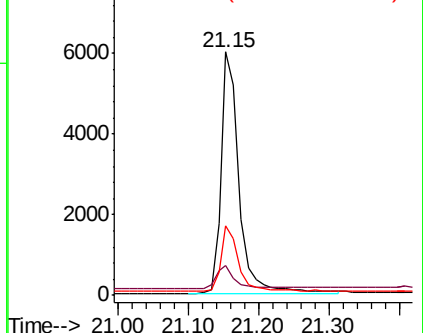
236 28.3 22.5 33.7



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: 0.432 ng

RT: 19.39 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

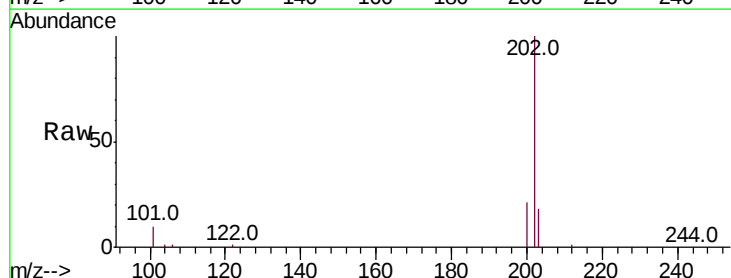
Tgt Ion:202 Resp: 16537

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

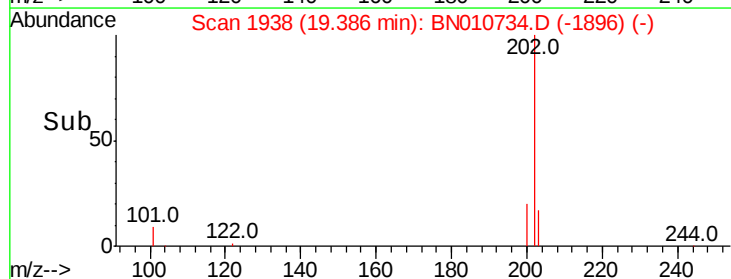
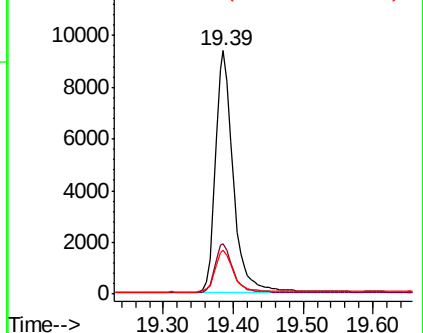
203 18.0 14.1 21.1

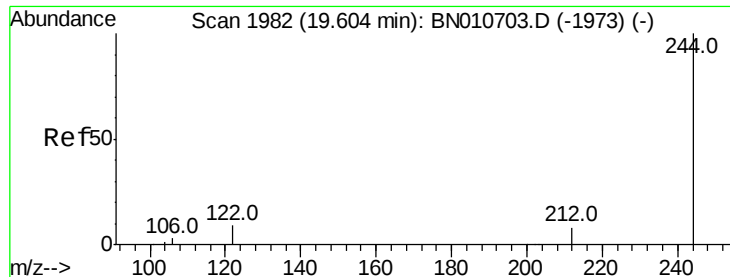


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.318 ng

RT: 19.61 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

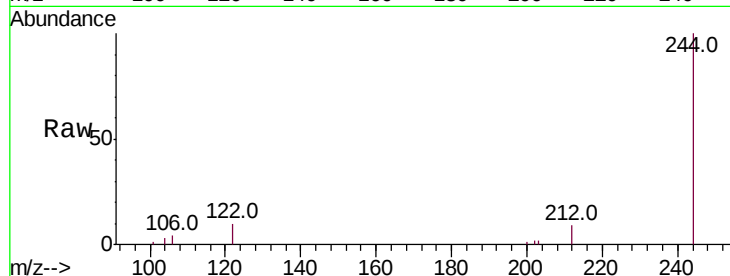
Tot Ion:244 Resp: 8053

Ion Ratio Lower Upper

244 100

212 9.0 6.8 10.2

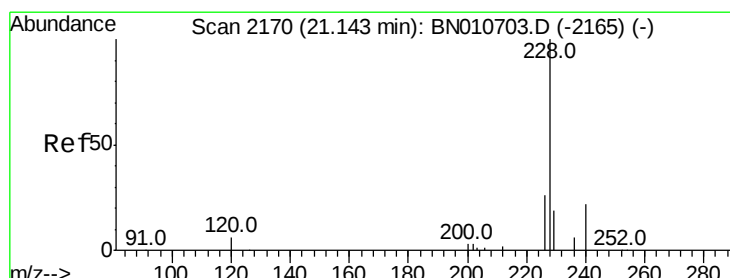
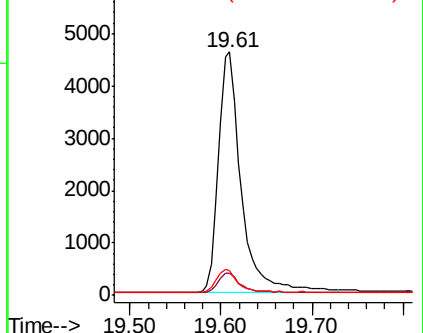
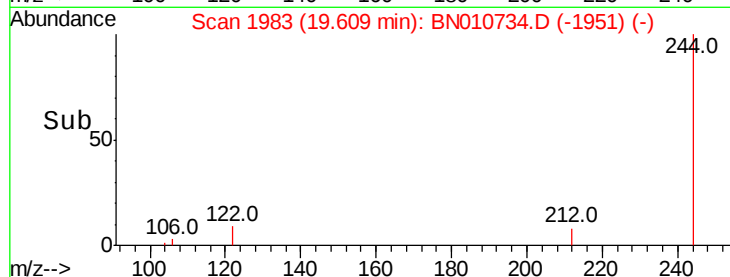
122 10.0 8.1 12.1



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: 0.431 ng

RT: 21.14 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

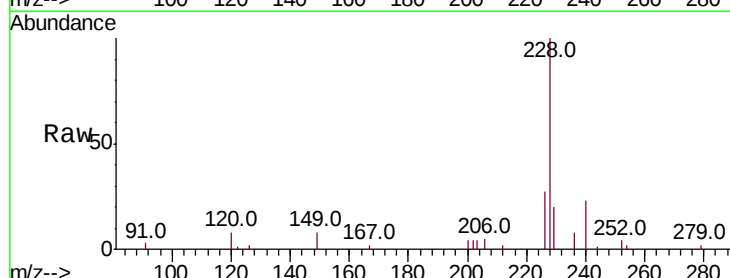
Tgt Ion:228 Resp: 13407

Ion Ratio Lower Upper

228 100

226 27.2 21.3 31.9

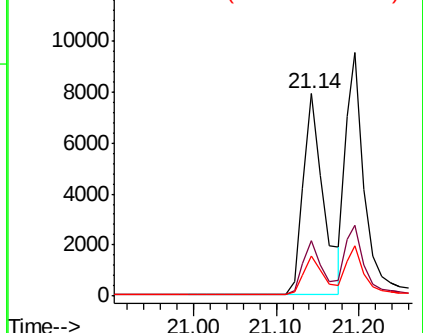
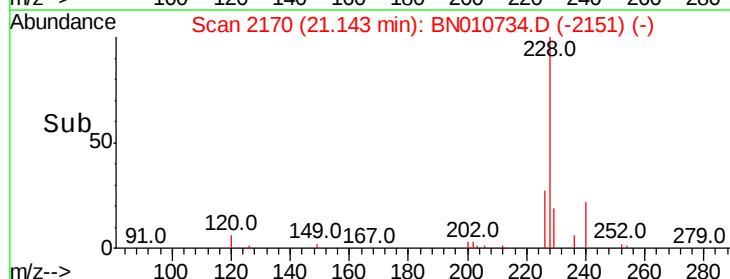
229 19.9 16.0 24.0

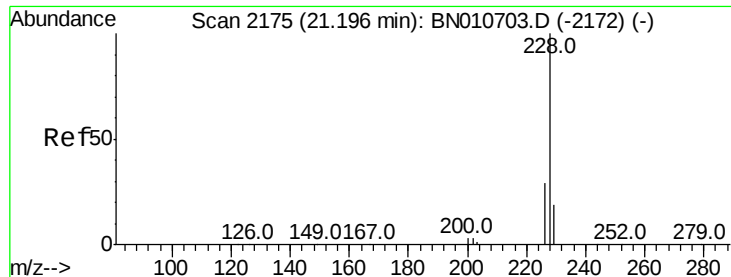


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

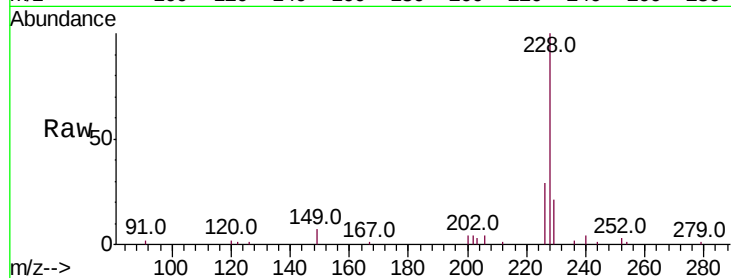
BNA\_N

ClientSampleId :

PB129048BS

Tot Ion:228 Resp: 14719

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.0  | 23.4  | 35.0  |
| 229 | 20.5  | 16.1  | 24.1  |

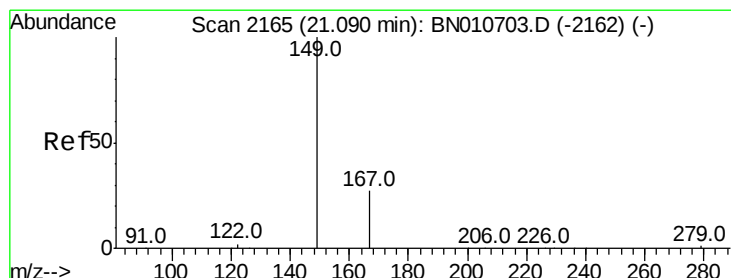
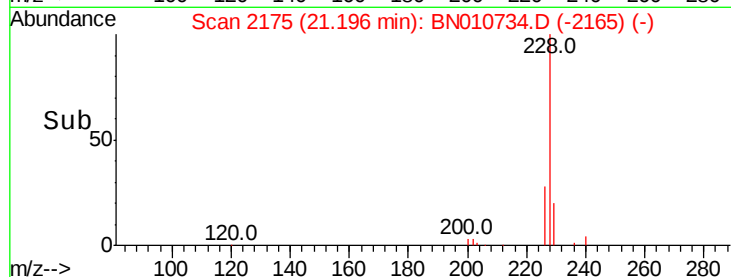
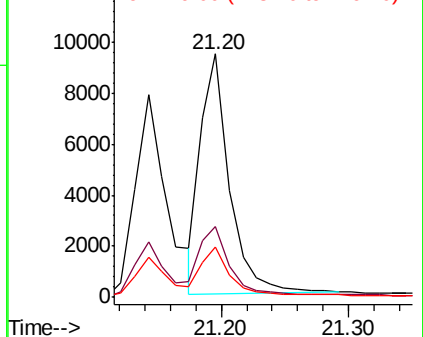


Abundance

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: 0.379 ng

RT: 21.09 min Scan# 2165

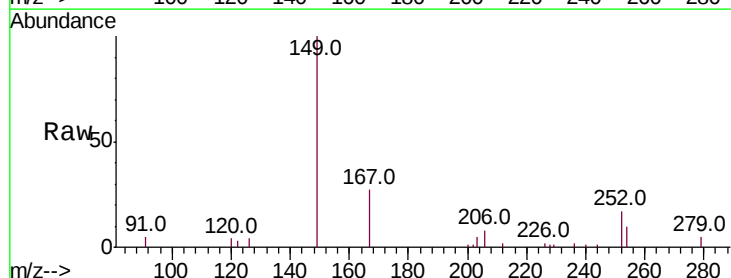
Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Tgt Ion:149 Resp: 5167

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.9  | 22.5  | 33.7  |
| 279 | 5.1   | 4.1   | 6.1   |

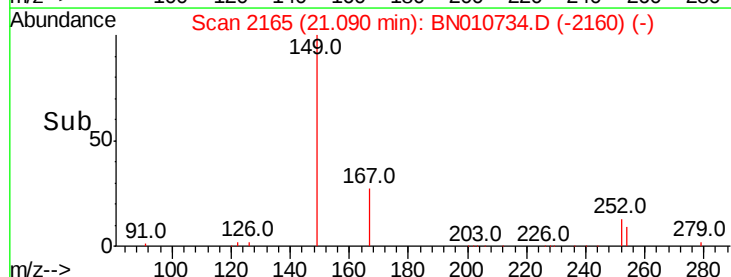
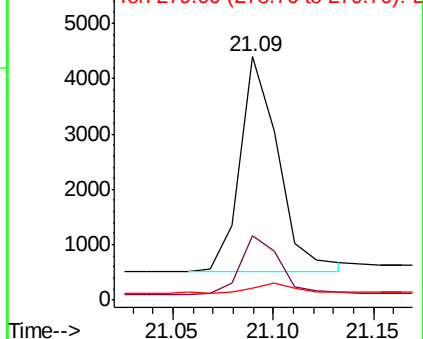


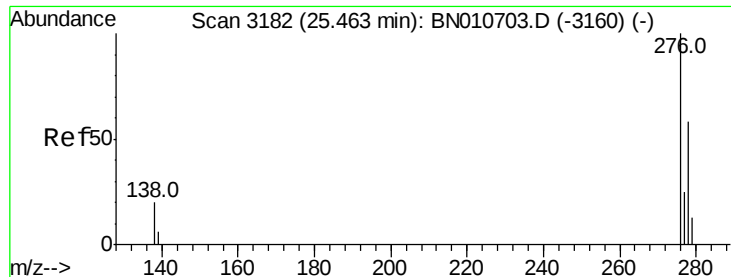
Abundance

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: 0.402 ng

RT: 25.46 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

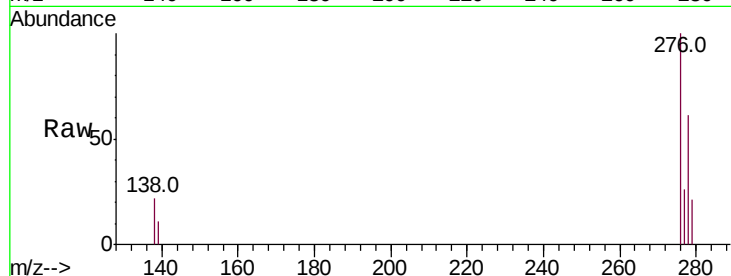
Tot Ion:276 Resp: 12593

Ion Ratio Lower Upper

276 100

138 18.8 15.1 22.7

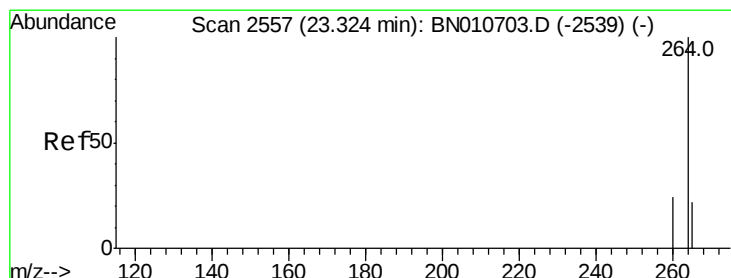
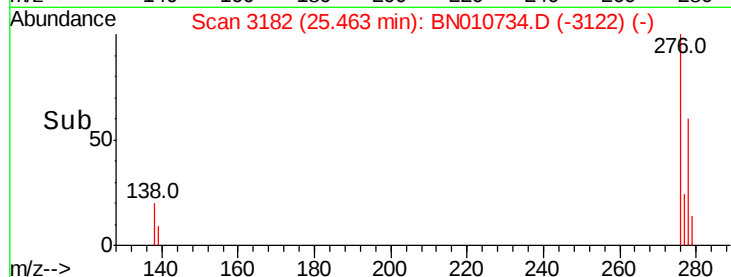
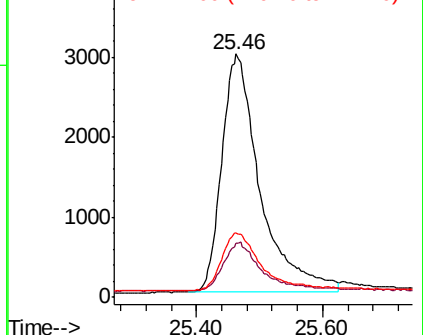
277 24.8 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.32 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

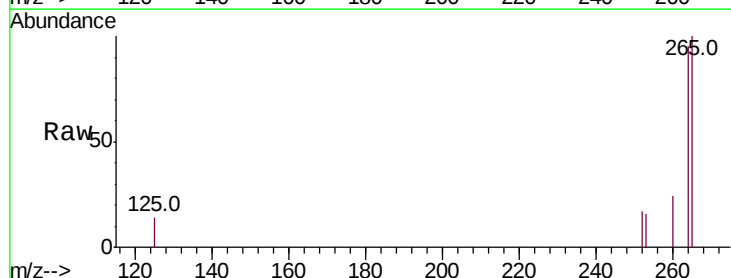
Tgt Ion:264 Resp: 9388

Ion Ratio Lower Upper

264 100

260 25.5 19.6 29.4

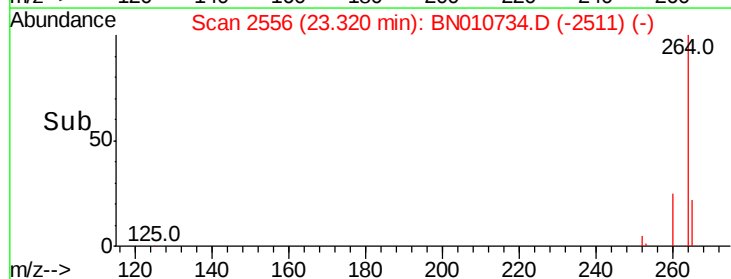
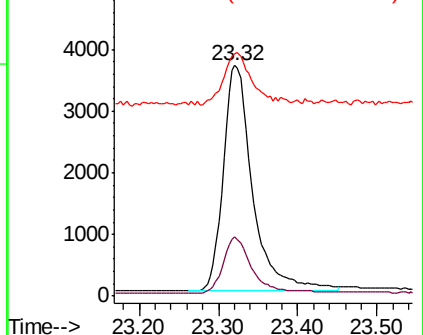
265 104.9 70.1 105.1

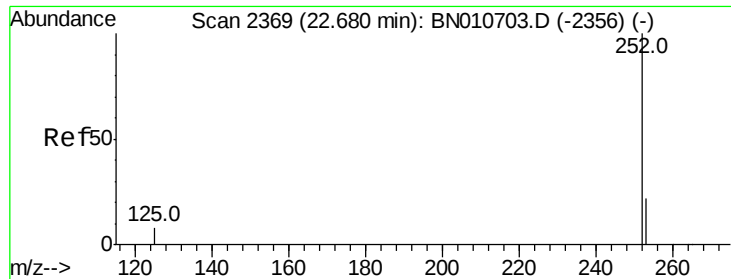


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

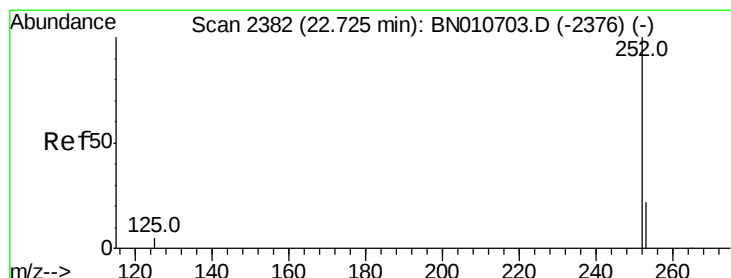
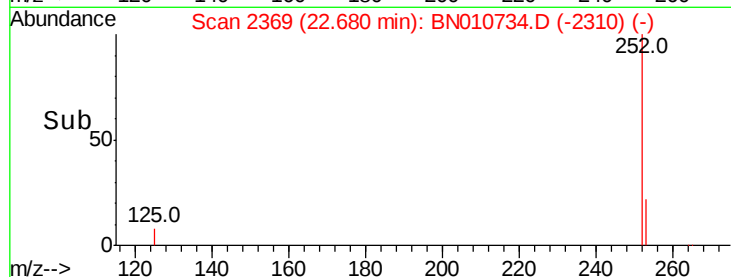
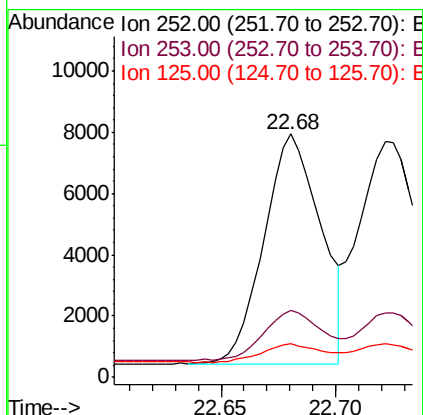
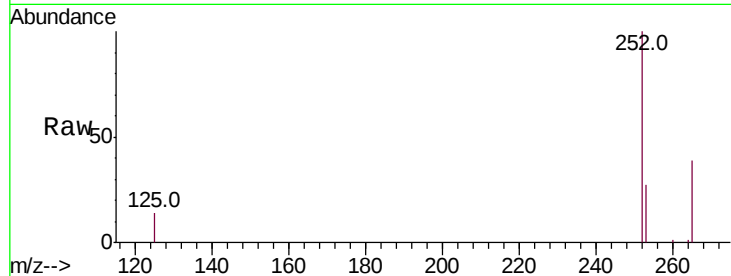




#35  
Benzo(b)fluoranthene  
Concen: 0.418 ng  
RT: 22.68 min Scan# 2369  
Delta R.T. 0.00 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

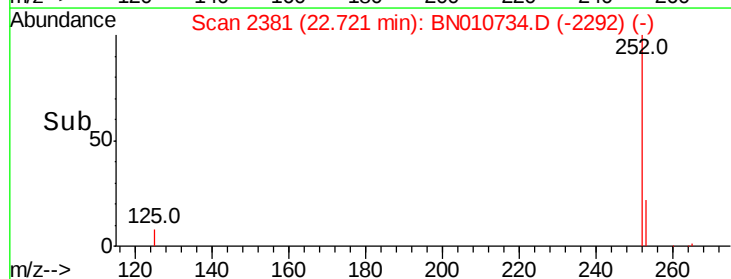
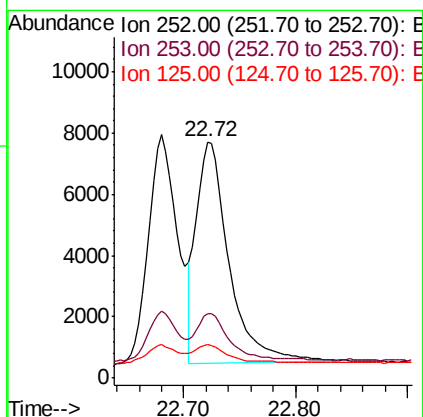
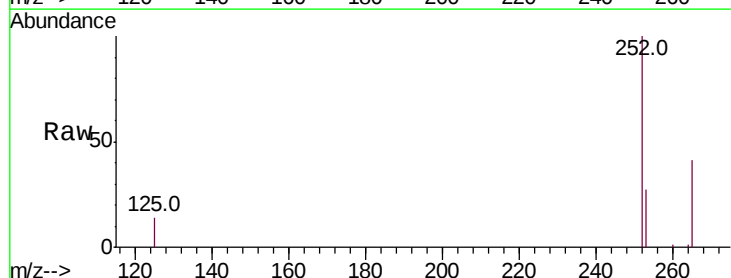
Instrument :  
BNA\_N  
ClientSampleId :  
PB129048BS

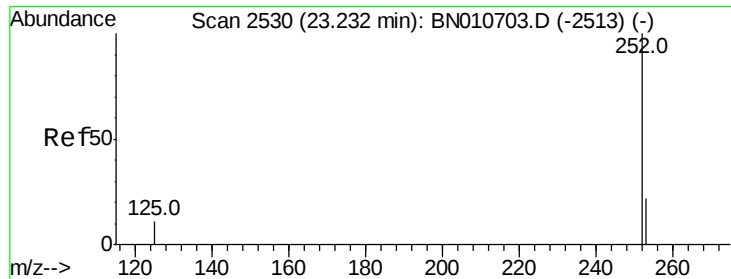
Tot Ion:252 Resp: 12962  
Ion Ratio Lower Upper  
252 100  
253 27.3 22.0 33.0  
125 13.8 10.8 16.2



#36  
Benzo(k)fluoranthene  
Concen: 0.437 ng  
RT: 22.72 min Scan# 2381  
Delta R.T. 0.00 min  
Lab File: BN010734.D  
Acq: 21 May 2020 19:22

Tgt Ion:252 Resp: 14598  
Ion Ratio Lower Upper  
252 100  
253 27.5 21.9 32.9  
125 14.1 11.1 16.7





#37

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.23 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

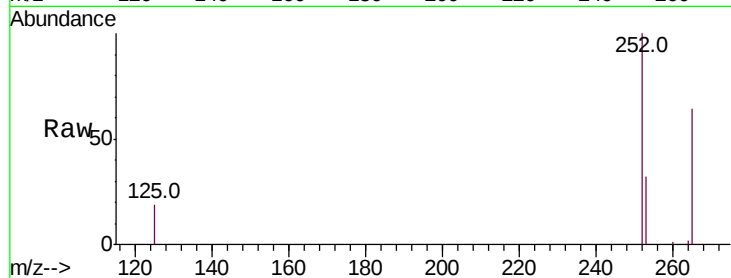
Tot Ion:252 Resp: 11727

Ion Ratio Lower Upper

252 100

253 32.1 24.8 37.2

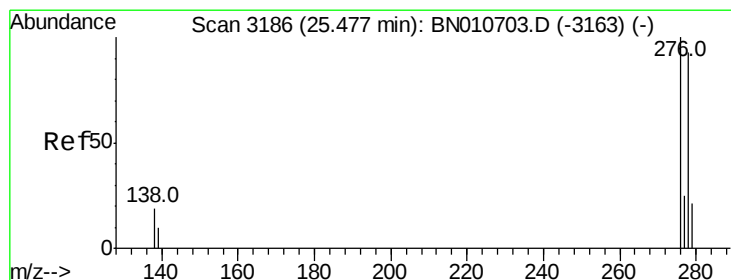
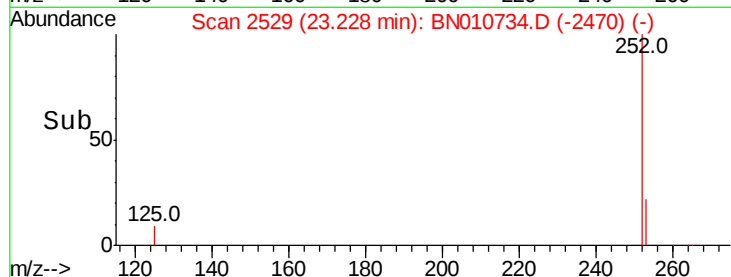
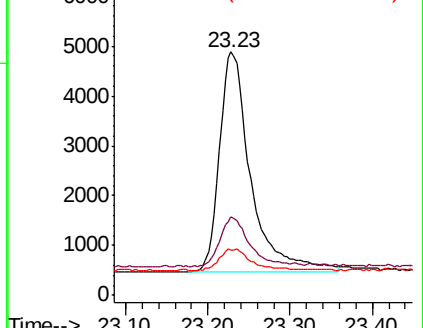
125 18.6 15.8 23.6



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: 0.436 ng

RT: 25.48 min Scan# 3187

Delta R.T. 0.01 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

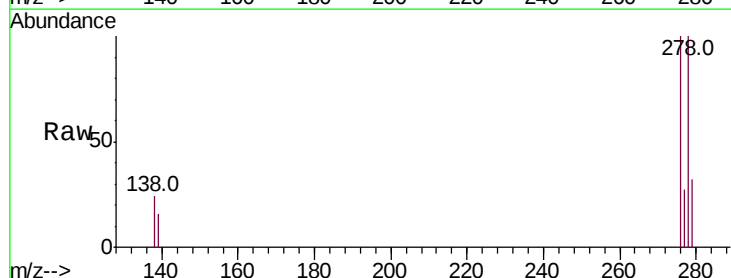
Tgt Ion:278 Resp: 10007

Ion Ratio Lower Upper

278 100

139 16.1 13.0 19.4

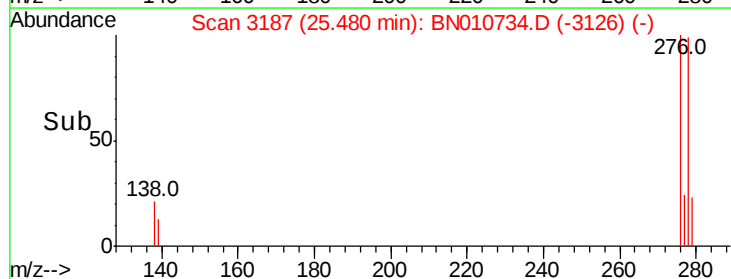
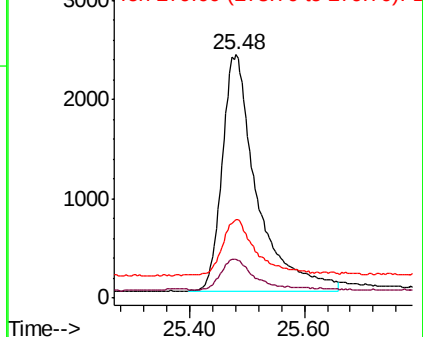
279 32.1 25.1 37.7

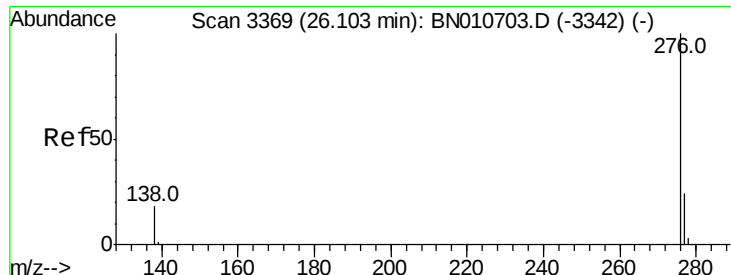


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.453 ng

RT: 26.10 min Scan# 3368

Delta R.T. 0.00 min

Lab File: BN010734.D

Acq: 21 May 2020 19:22

Instrument :

BNA\_N

ClientSampleId :

PB129048BS

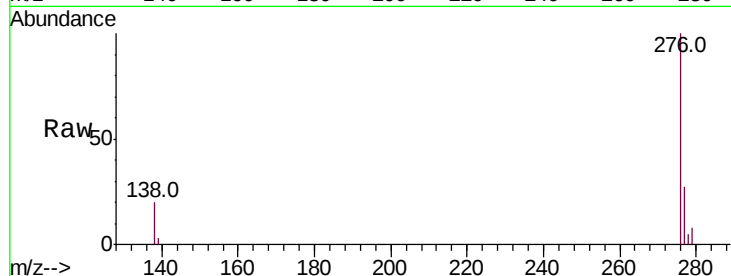
Tot Ion:276 Resp: 12204

Ion Ratio Lower Upper

276 100

277 26.6 20.6 30.8

138 20.1 16.0 24.0



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

