

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060620\  
 Data File : BN010792.D  
 Acq On : 05 Jun 2020 21:42  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN060620

Quant Time: Jun 05 22:51:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN060620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 22:48:49 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 3185     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.32 | 136  | 10818    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.18 | 164  | 5768     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.93 | 188  | 11581    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.14 | 240  | 10617    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.29 | 264  | 11210    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 2524  | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 6.75  | 99  | 2983  | 0.40 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.69  | 82  | 3098  | 0.39 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.91 | 152 | 6346  | 0.39 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.68 | 330 | 707   | 0.35 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.80 | 172 | 8999  | 0.40 | ng | -0.01 |
| 25) Fluoranthene-d10        | 18.97 | 212 | 12230 | 0.38 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.58 | 244 | 9599  | 0.41 | ng | 0.00  |

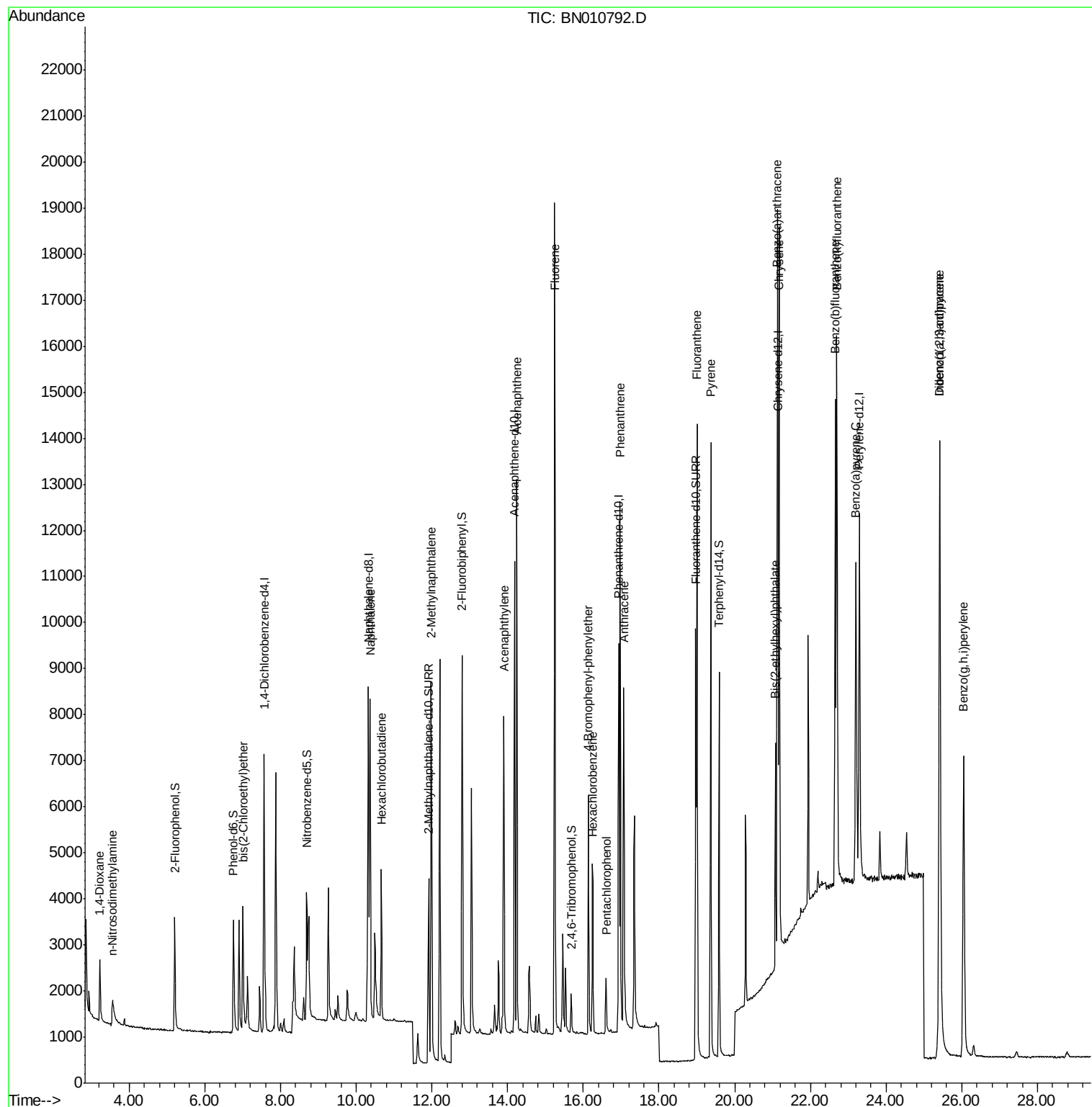
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 1273  | 0.404  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.56  | 42  | 705   | 0.385  | ng | # 54  |
| 6) bis(2-Chloroethyl)ether     | 7.01  | 93  | 2813  | 0.393  | ng | 97    |
| 9) Naphthalene                 | 10.37 | 128 | 10757 | 0.399  | ng | 100   |
| 10) Hexachlorobutadiene        | 10.66 | 225 | 2540  | 0.386  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 11.98 | 142 | 6951  | 0.389  | ng | 98    |
| 16) Acenaphthylene             | 13.90 | 152 | 8903  | 0.381  | ng | 100   |
| 17) Acenaphthene               | 14.25 | 154 | 6272  | 0.396  | ng | 99    |
| 18) Fluorene                   | 15.24 | 166 | 7933  | 0.386  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.14 | 248 | 2661  | 0.394  | ng | 99    |
| 21) Hexachlorobenzene          | 16.25 | 284 | 2903  | 0.407  | ng | 99    |
| 22) Pentachlorophenol          | 16.60 | 266 | 855   | 0.352  | ng | 96    |
| 23) Phenanthrene               | 16.97 | 178 | 12343 | 0.394  | ng | 100   |
| 24) Anthracene                 | 17.07 | 178 | 10033 | 0.378  | ng | 100   |
| 26) Fluoranthene               | 19.00 | 202 | 13733 | 0.379  | ng | 99    |
| 28) Pyrene                     | 19.37 | 202 | 13693 | 0.407  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.12 | 228 | 12168 | 0.390  | ng | 100   |
| 31) Chrysene                   | 21.17 | 228 | 13791 | 0.390  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 3943  | 0.383  | ng | 98    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.41 | 276 | 17659 | 0.415  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 22.66 | 252 | 13643 | 0.374  | ng | 99    |
| 36) Benzo(k)fluoranthene       | 22.70 | 252 | 16232 | 0.404  | ng | 99    |
| 37) Benzo(a)pyrene             | 23.20 | 252 | 12516 | 0.384  | ng | # 85  |
| 38) Dibenzo(a,h)anthracene     | 25.42 | 278 | 14245 | 0.388  | ng | 98    |
| 39) Benzo(g,h,i)perylene       | 26.05 | 276 | 14196 | 0.374  | ng | 99    |

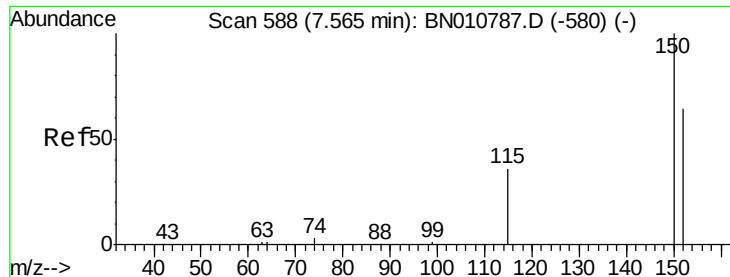
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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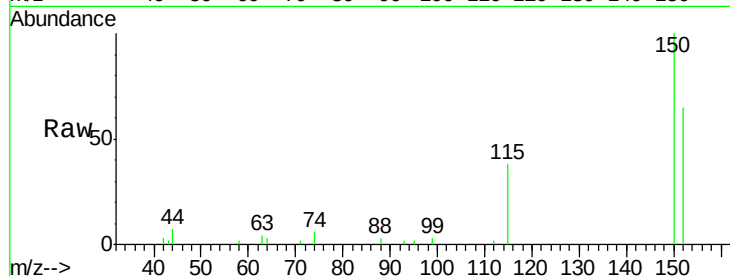


#1

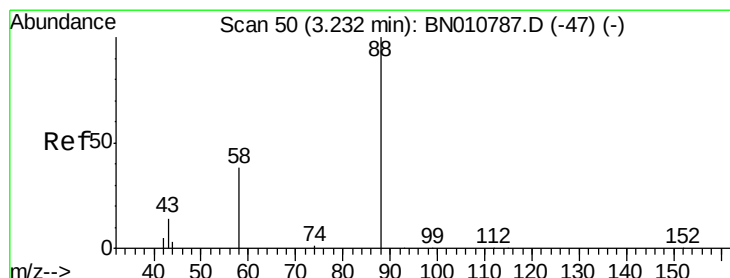
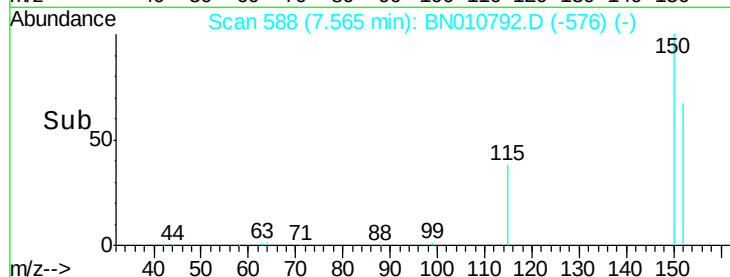
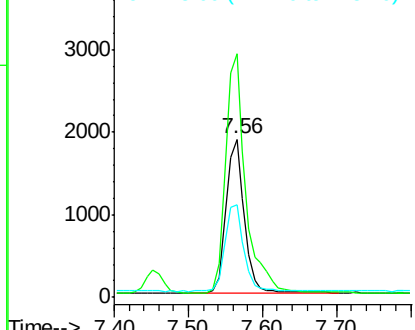
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.56 min Scan# 588  
Delta R.T. -0.00 min  
Lab File: BN010792.D  
Acq: 05 Jun 2020 21:42

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN060620

Tot Ion:152 Resp: 3185  
Ion Ratio Lower Upper  
152 100  
150 153.6 123.6 185.4  
115 58.3 47.6 71.4



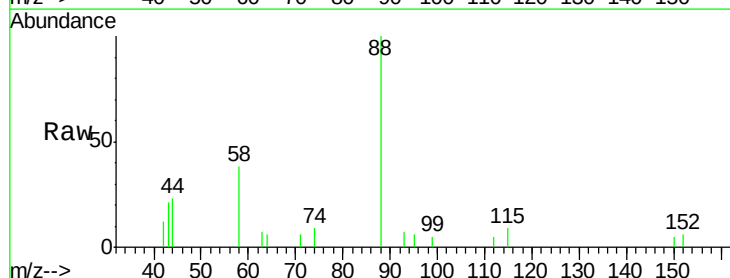
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



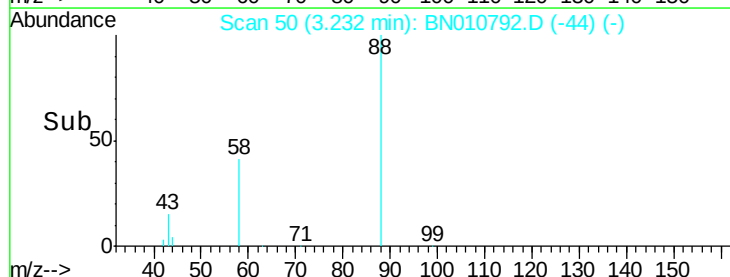
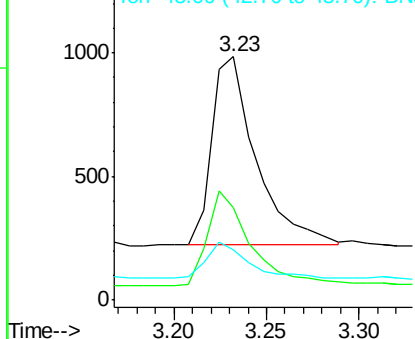
#2

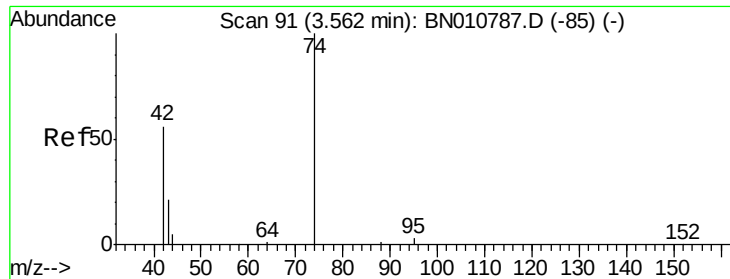
1,4-Dioxane  
Concen: 0.404 ng  
RT: 3.23 min Scan# 50  
Delta R.T. -0.00 min  
Lab File: BN010792.D  
Acq: 05 Jun 2020 21:42

Tgt Ion: 88 Resp: 1273  
Ion Ratio Lower Upper  
88 100  
58 48.3 38.8 58.2  
43 17.1 15.9 23.9



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.385 ng

RT: 3.56 min Scan# 91

Delta R.T. 0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

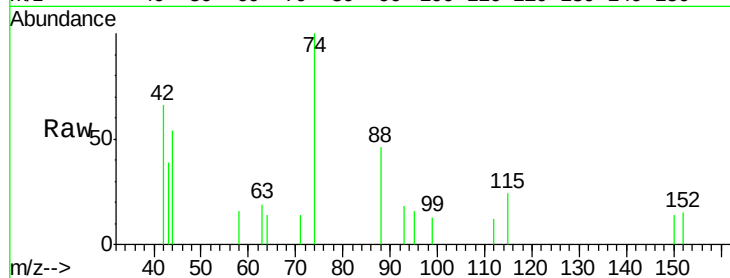
Tot Ion: 42 Resp: 705

Ion Ratio Lower Upper

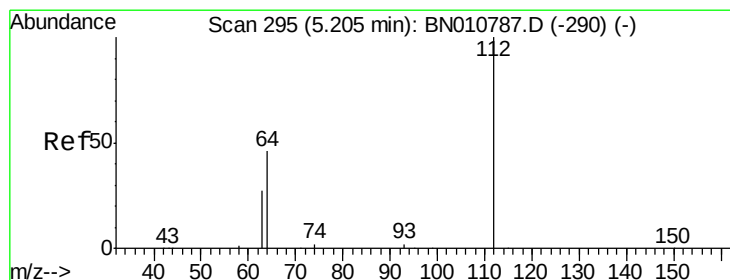
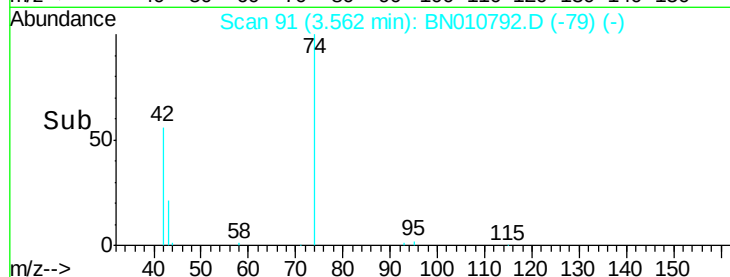
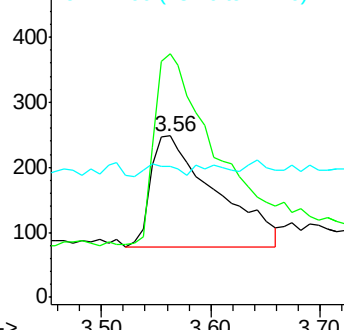
42 100

74 165.2 0.8 1.2#

44 5.0 7.8 11.6#



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: 0.397 ng

RT: 5.21 min Scan# 295

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

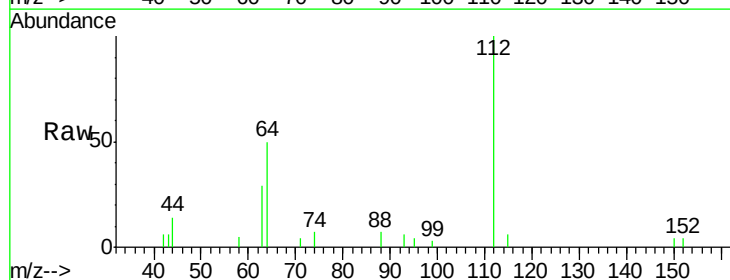
Tgt Ion: 112 Resp: 2524

Ion Ratio Lower Upper

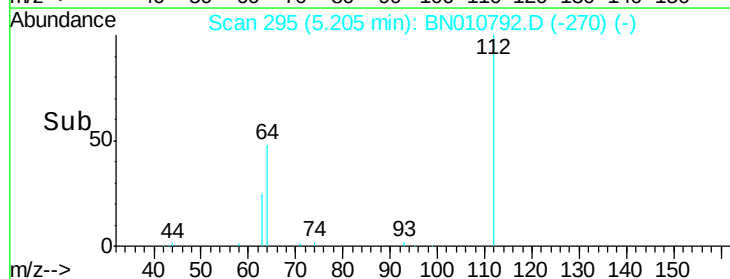
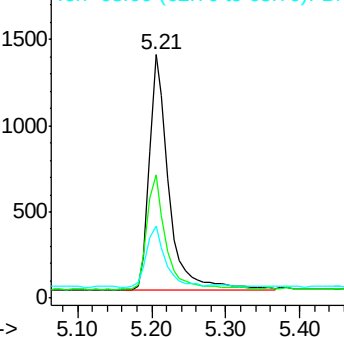
112 100

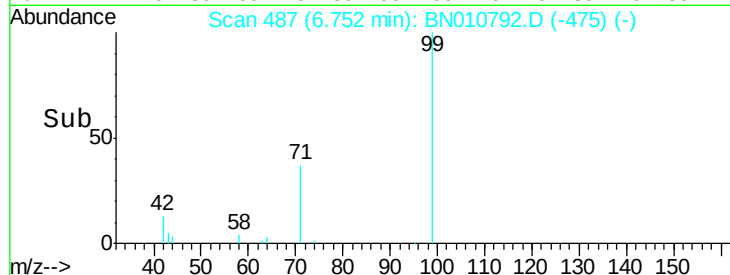
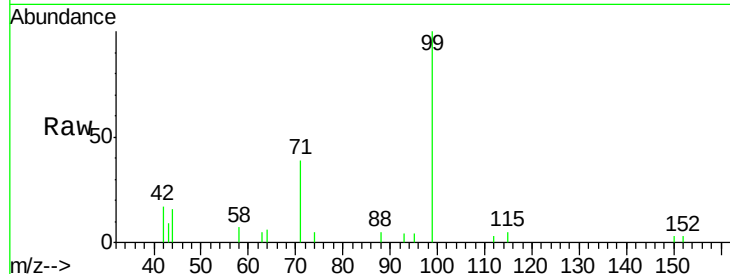
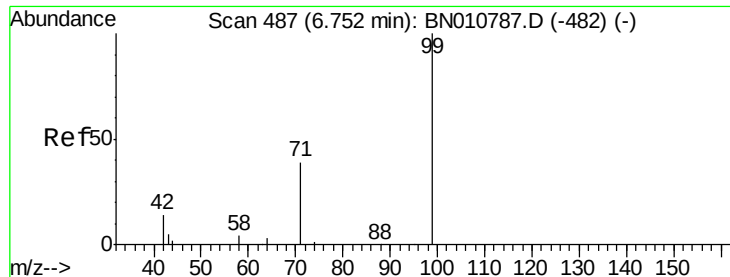
64 47.6 35.8 53.8

63 26.1 20.9 31.3



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: 0.397 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

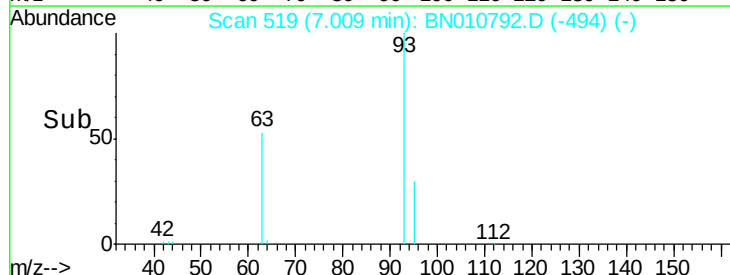
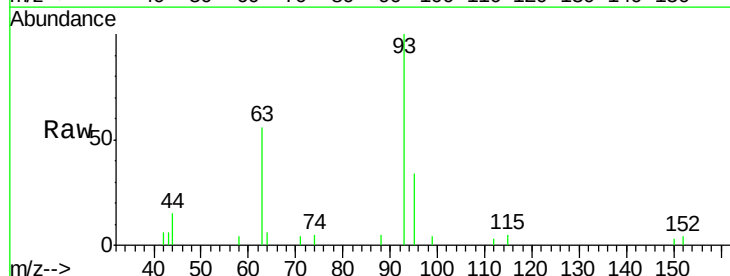
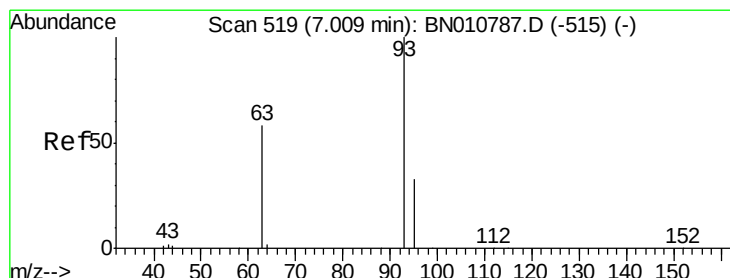
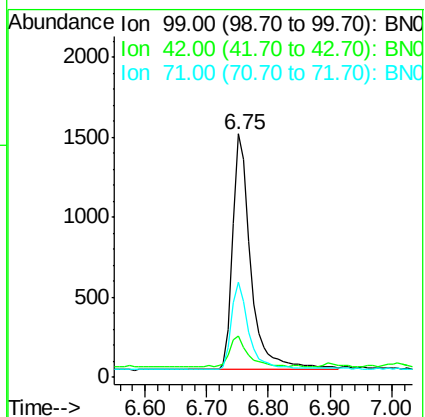
Tot Ion: 99 Resp: 2983

Ion Ratio Lower Upper

99 100

42 13.6 11.1 16.7

71 35.8 30.6 46.0



#6

bis(2-Chloroethyl)ether

Concen: 0.393 ng

RT: 7.01 min Scan# 519

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

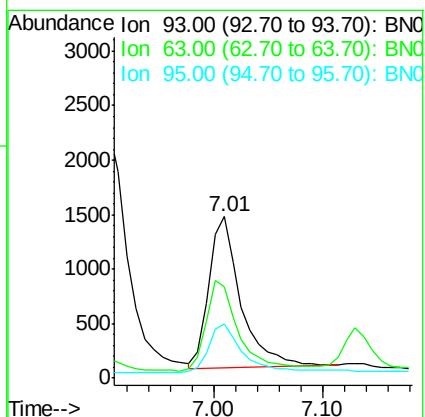
Tgt Ion: 93 Resp: 2813

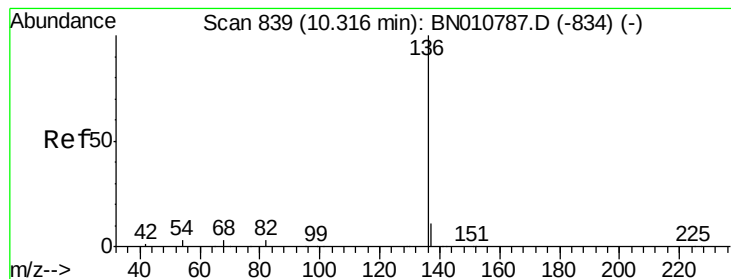
Ion Ratio Lower Upper

93 100

63 60.8 46.2 69.4

95 33.6 27.6 41.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.32 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

Tot Ion:136 Resp: 10818

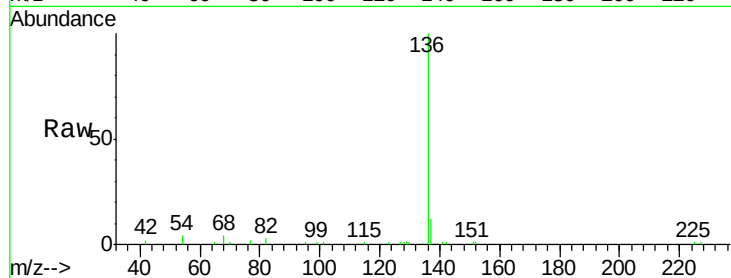
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 3.7 3.3 4.9

68 4.1 3.4 5.2

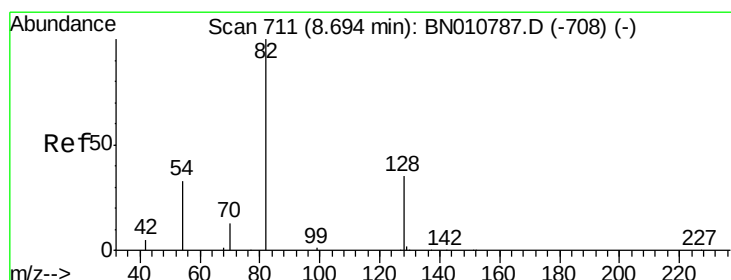
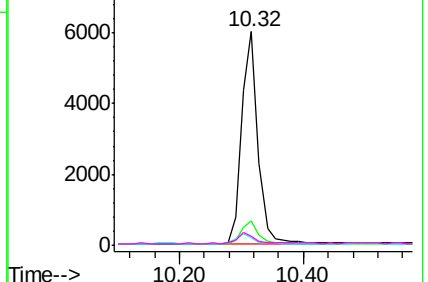
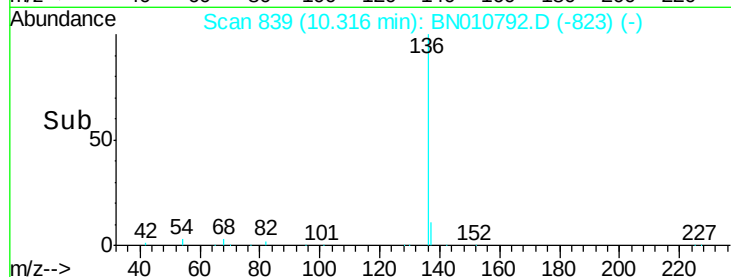


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.390 ng

RT: 8.69 min Scan# 711

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

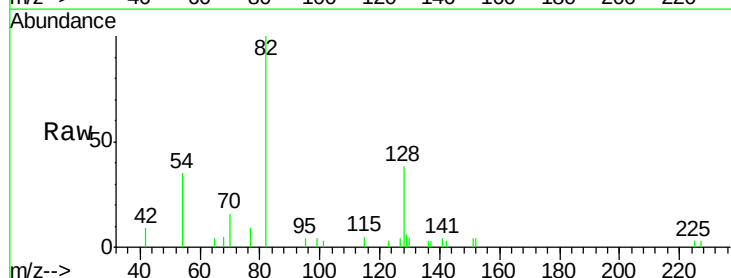
Tgt Ion: 82 Resp: 3098

Ion Ratio Lower Upper

82 100

128 37.7 31.4 47.0

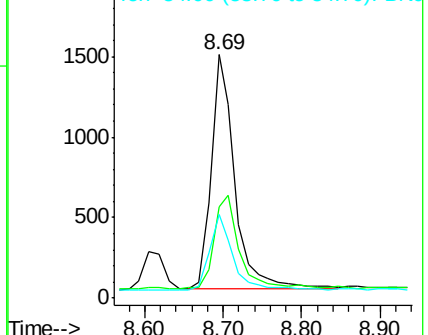
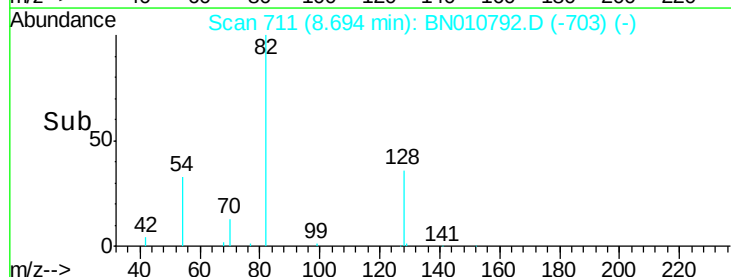
54 34.5 28.9 43.3

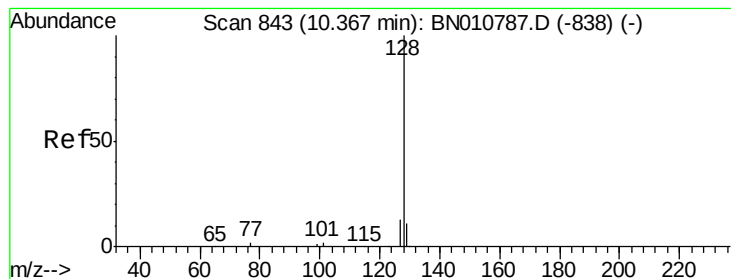


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.399 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

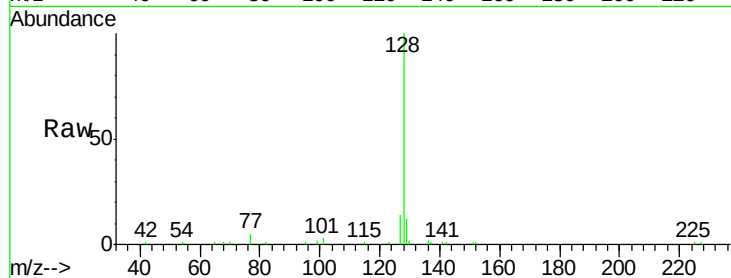
Tot Ion:128 Resp: 10757

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.2

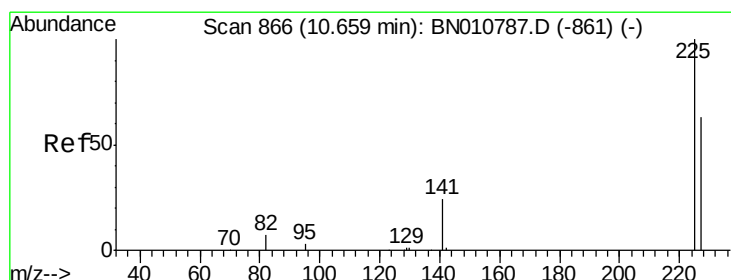
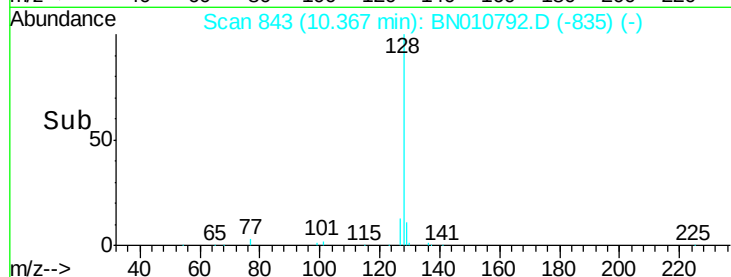
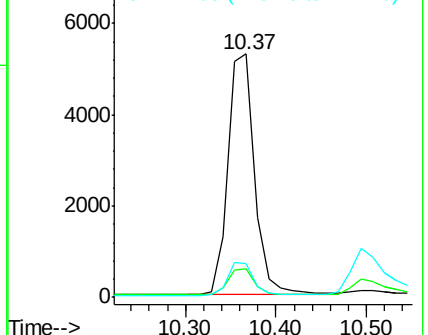
127 13.6 11.0 16.6



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: 0.386 ng

RT: 10.66 min Scan# 866

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

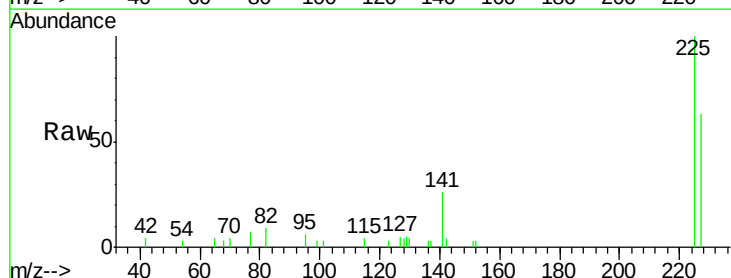
Tgt Ion:225 Resp: 2540

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

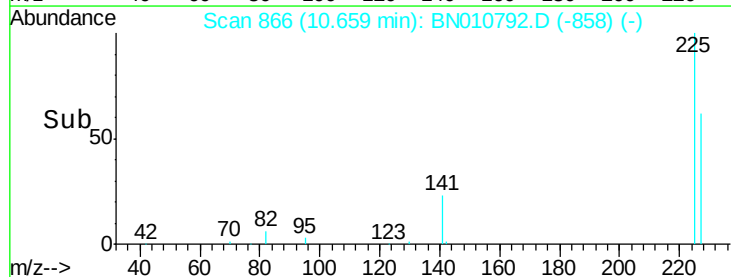
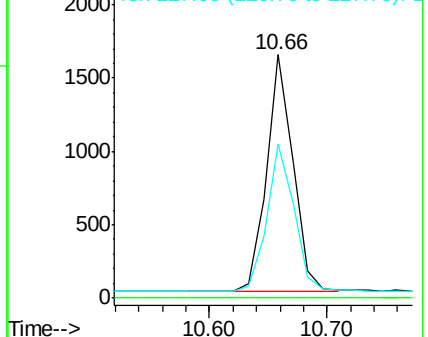
227 63.9 51.0 76.4

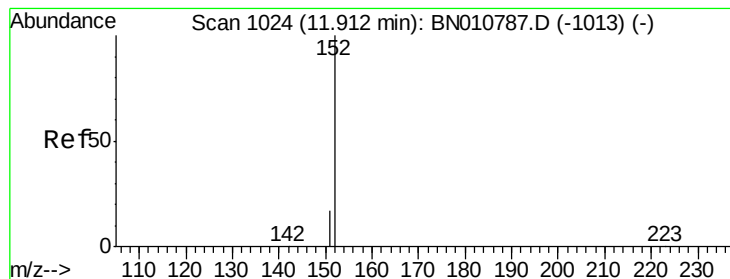


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.387 ng

RT: 11.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

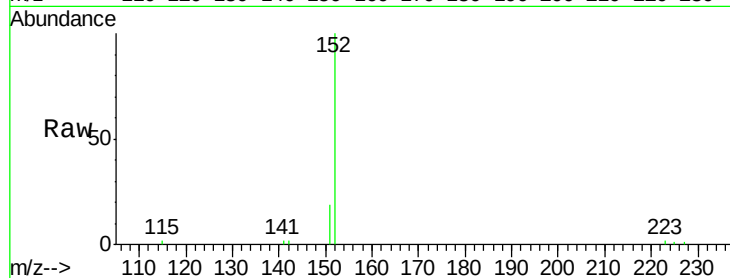
ICVBN060620

Tot Ion:152 Resp: 6346

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.91

4000

3000

2000

1000

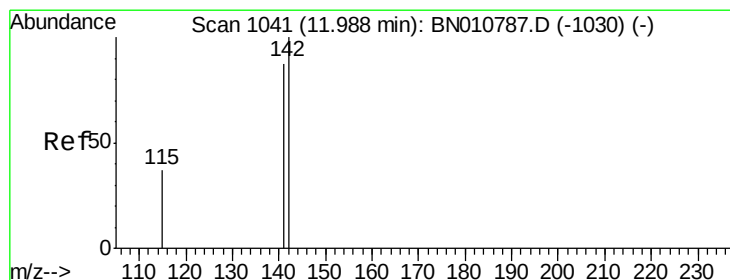
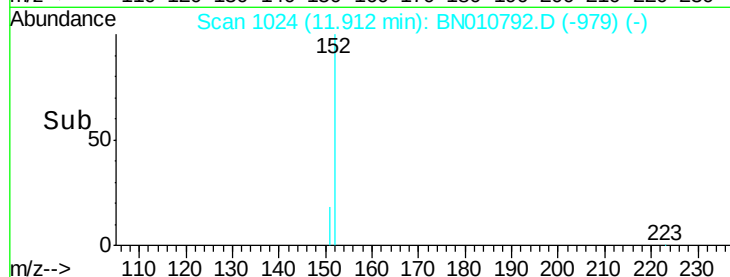
0

Time-->

11.80

11.90

12.00



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 11.98 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

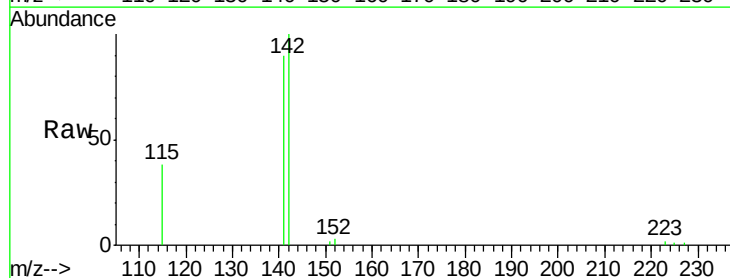
Tgt Ion:142 Resp: 6951

Ion Ratio Lower Upper

142 100

141 89.8 69.8 104.6

115 38.2 31.0 46.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.98

5000

4000

3000

2000

1000

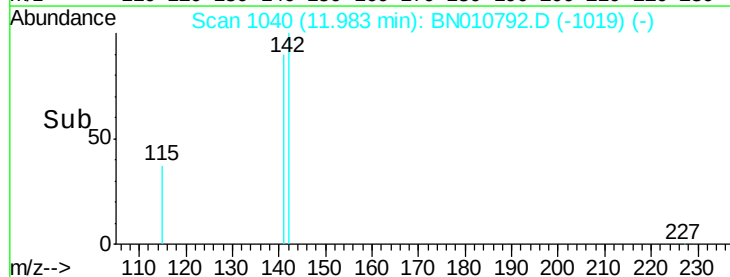
0

Time-->

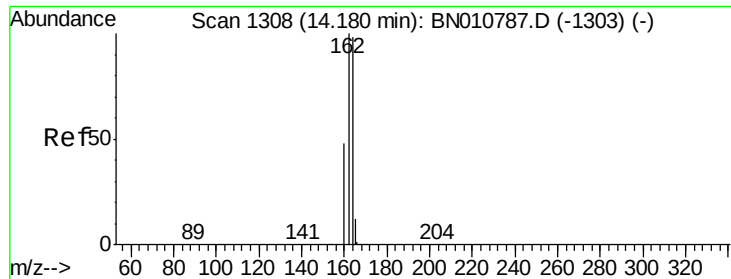
11.90

12.00

12.10







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

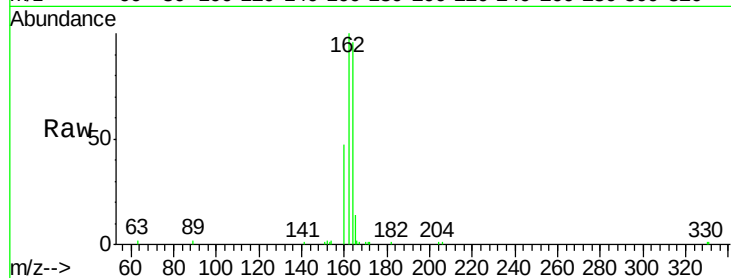
Tot Ion:164 Resp: 5768

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

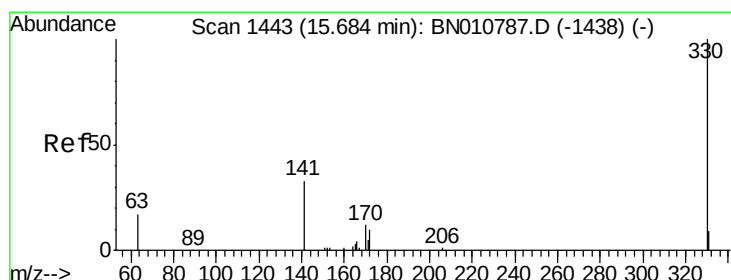
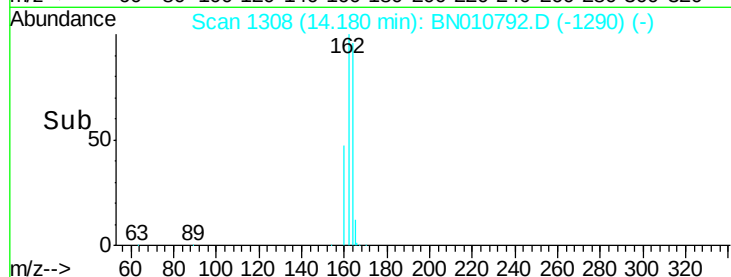
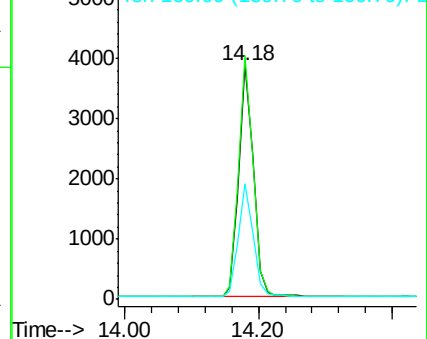
160 49.1 40.2 60.2



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: 0.351 ng

RT: 15.68 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

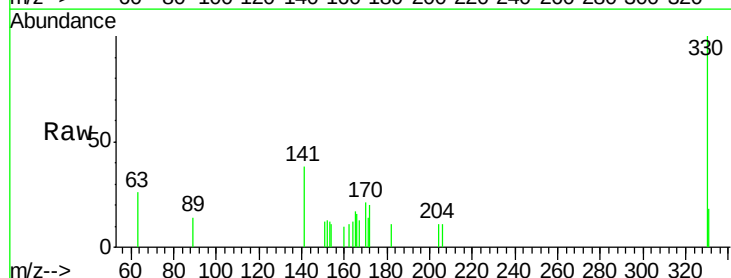
Tgt Ion:330 Resp: 707

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

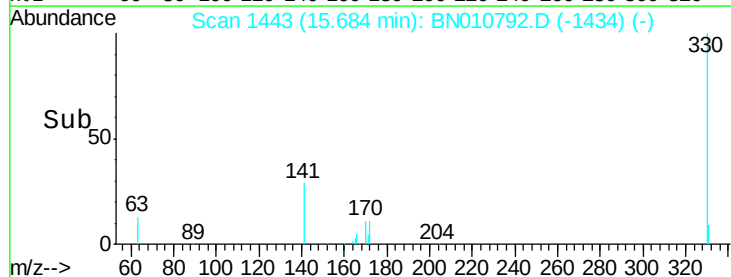
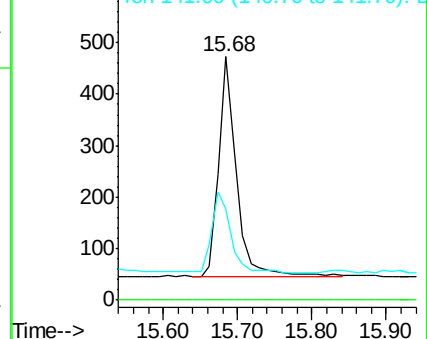
141 39.2 32.1 48.1

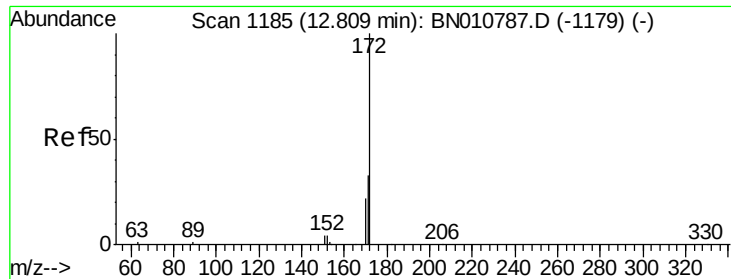


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

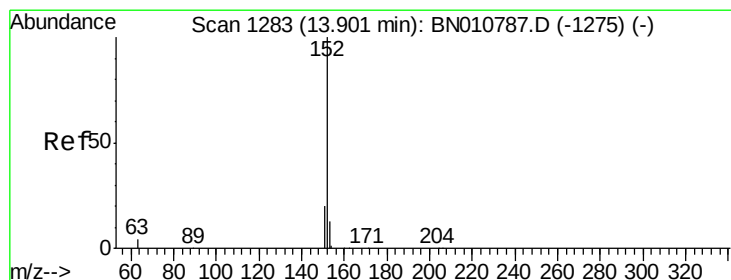
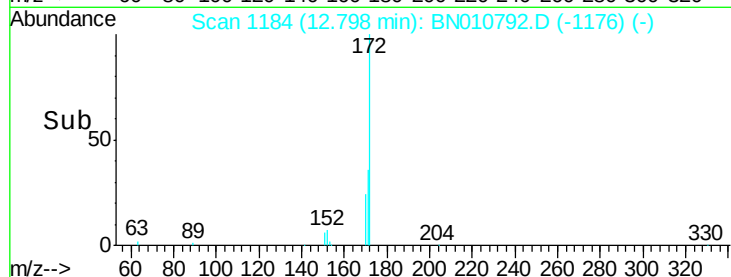
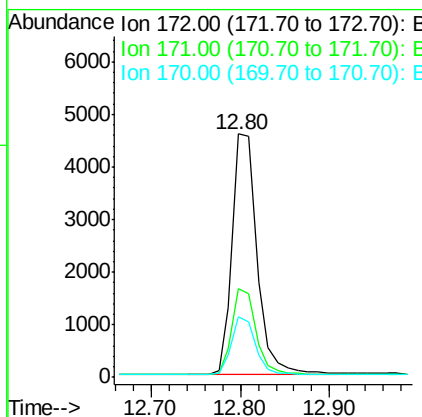
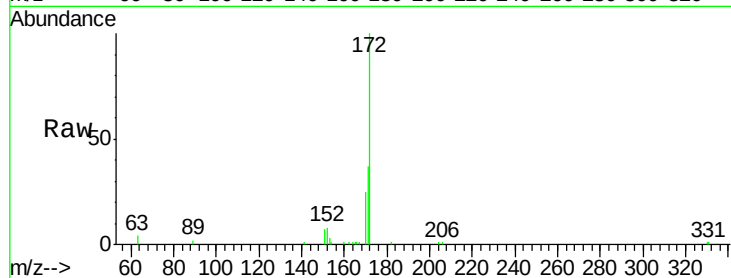




#15  
2-Fluorobiphenyl  
Concen: 0.400 ng  
RT: 12.80 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: BN010792.D  
Acq: 05 Jun 2020 21:42

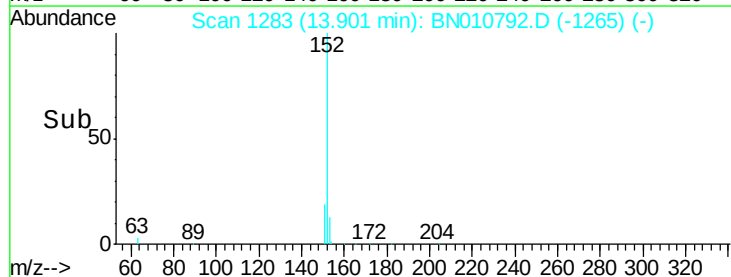
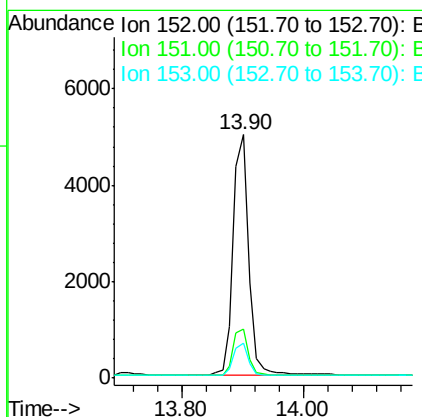
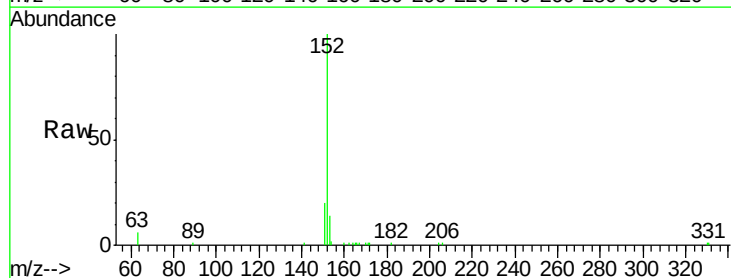
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN060620

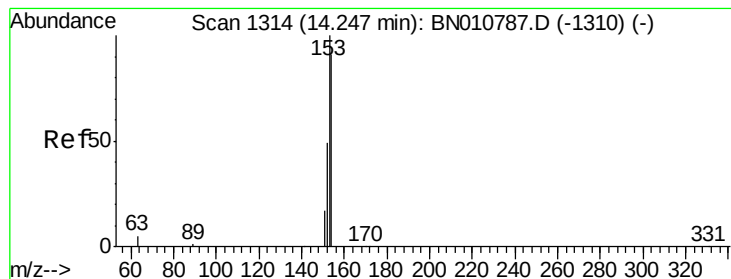
Tot Ion:172 Resp: 8999  
Ion Ratio Lower Upper  
172 100  
171 36.6 27.2 40.8  
170 24.9 18.1 27.1



#16  
Acenaphthylene  
Concen: 0.381 ng  
RT: 13.90 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BN010792.D  
Acq: 05 Jun 2020 21:42

Tgt Ion:152 Resp: 8903  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.2 10.8 16.2





#17

Acenaphthene

Concen: 0.396 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

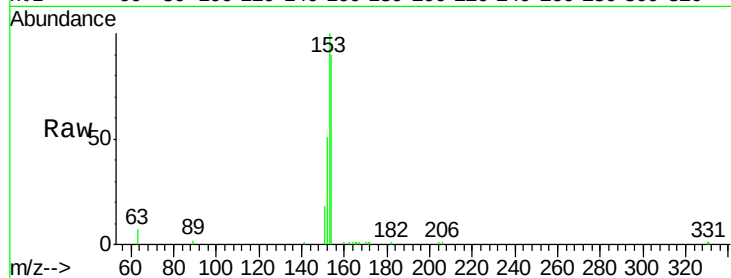
Tot Ion:154 Resp: 6272

Ion Ratio Lower Upper

154 100

153 113.6 90.3 135.5

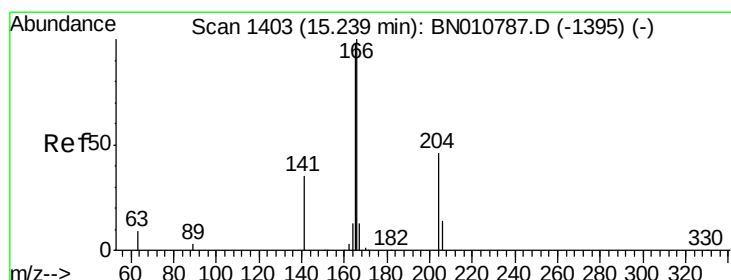
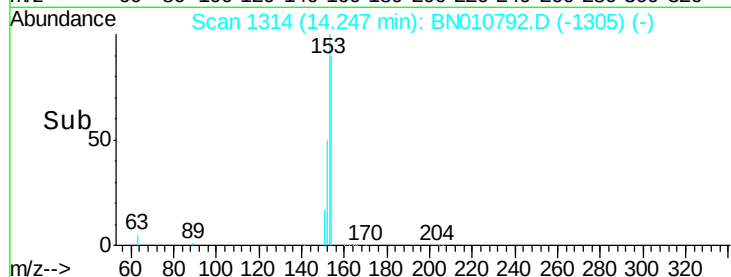
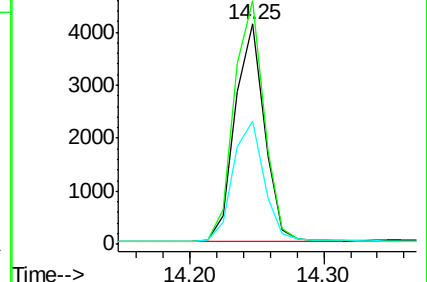
152 58.7 45.9 68.9



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: 0.386 ng

RT: 15.24 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

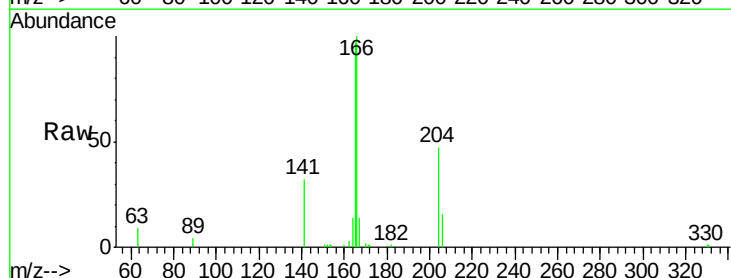
Tgt Ion:166 Resp: 7933

Ion Ratio Lower Upper

166 100

165 97.8 79.0 118.4

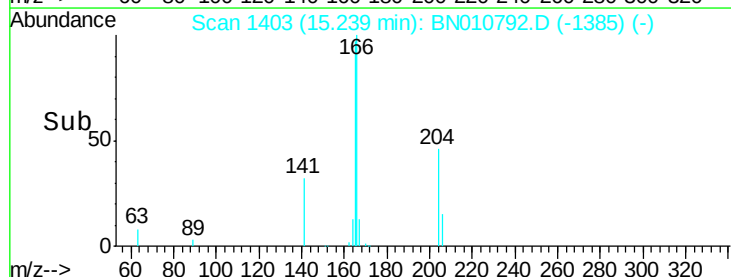
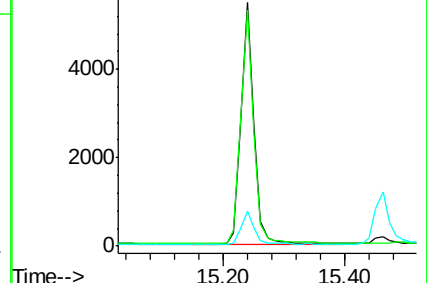
167 13.3 10.9 16.3

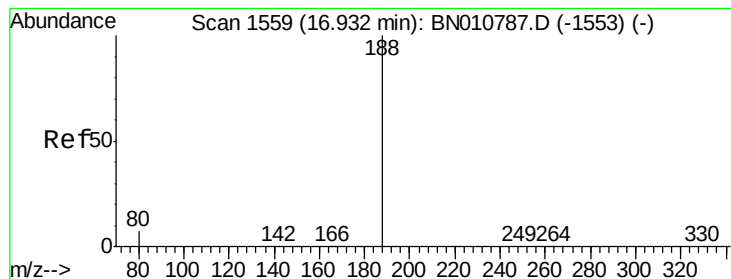


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.93 min Scan# 1559

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

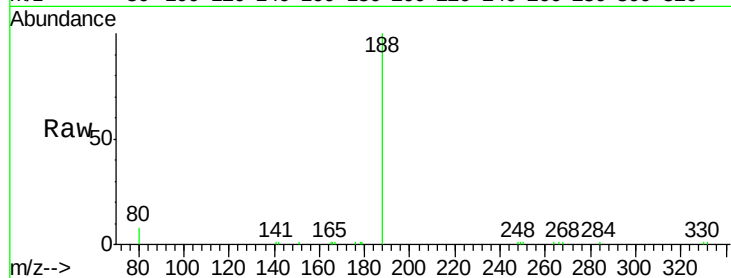
Tot Ion:188 Resp: 11581

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

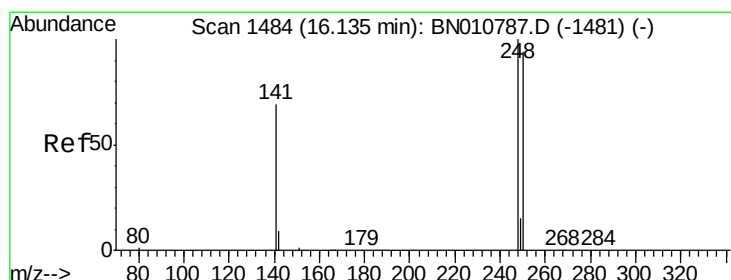
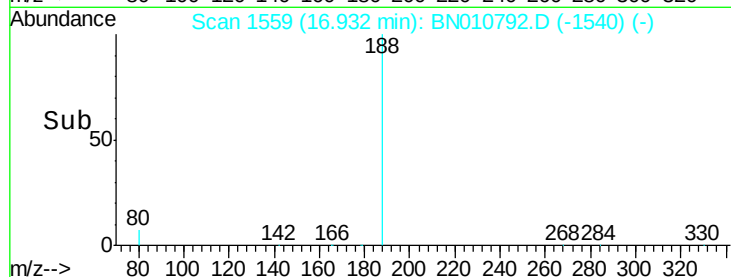
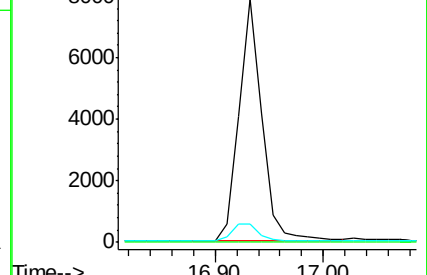
80 7.7 5.9 8.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.14 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

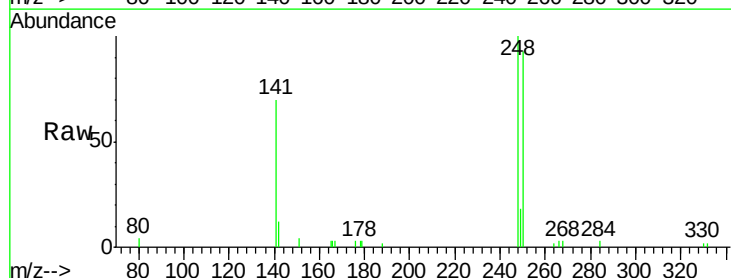
Tgt Ion:248 Resp: 2661

Ion Ratio Lower Upper

248 100

250 93.4 75.2 112.8

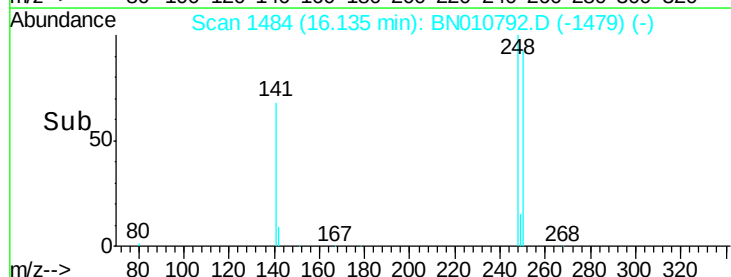
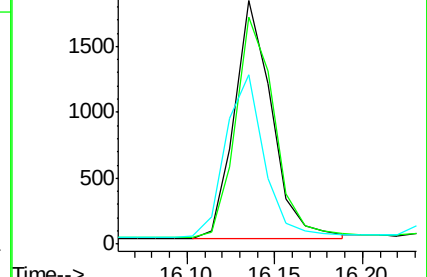
141 69.6 56.4 84.6

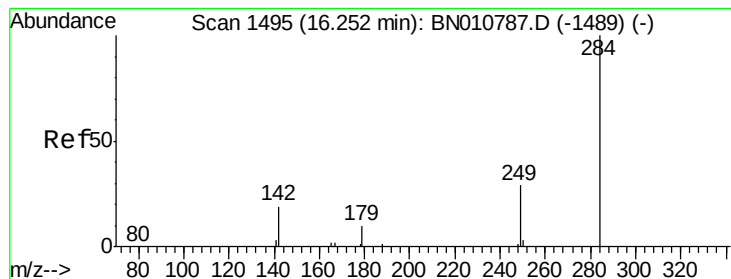


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.407 ng

RT: 16.25 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

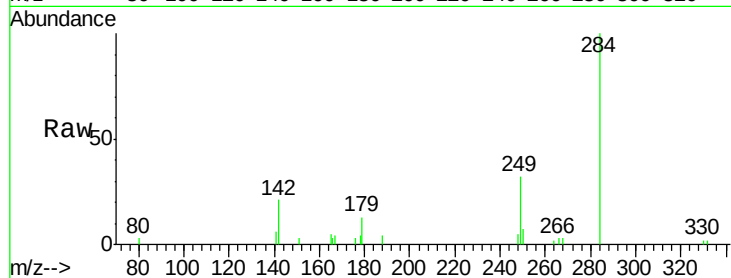
Tot Ion:284 Resp: 2903

Ion Ratio Lower Upper

284 100

142 37.9 31.1 46.7

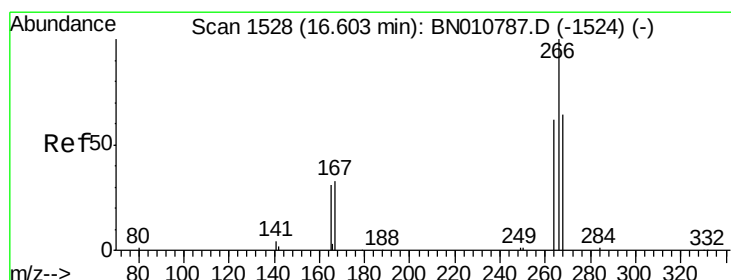
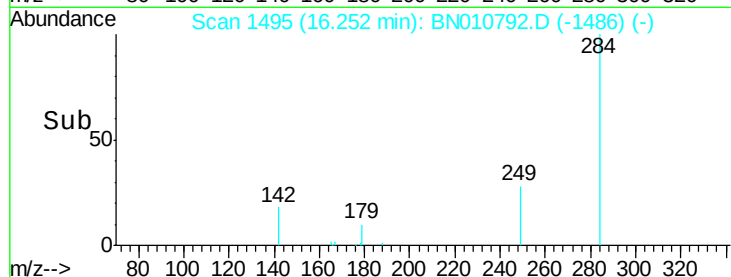
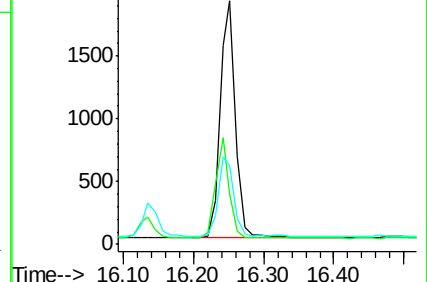
249 33.3 26.6 39.8



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: 0.352 ng

RT: 16.60 min Scan# 1528

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

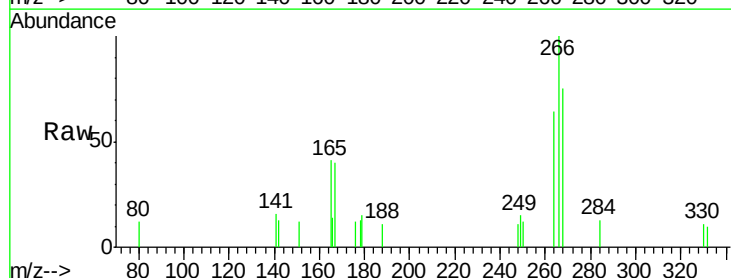
Tgt Ion:266 Resp: 855

Ion Ratio Lower Upper

266 100

264 64.0 52.5 78.7

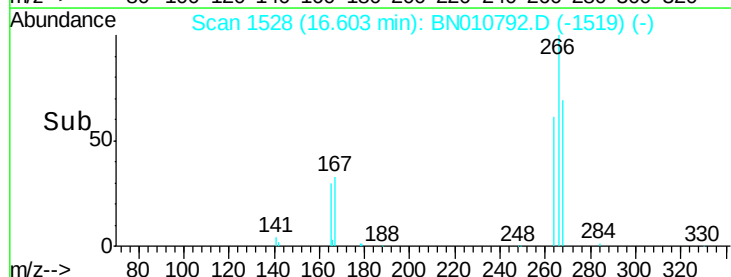
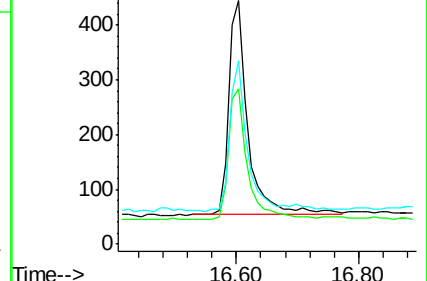
268 75.2 56.1 84.1

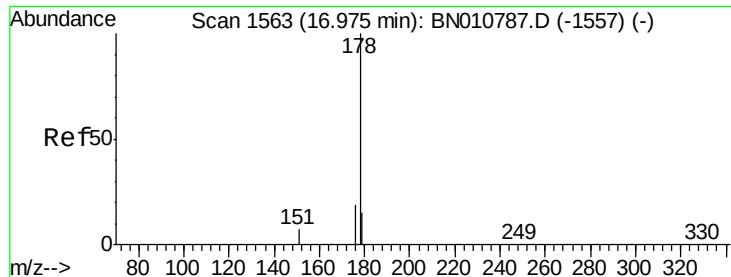


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 16.97 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

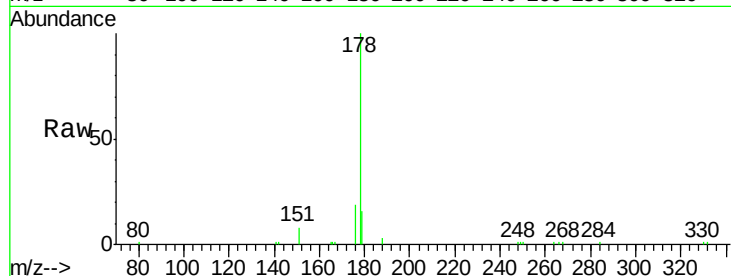
Tot Ion:178 Resp: 12343

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

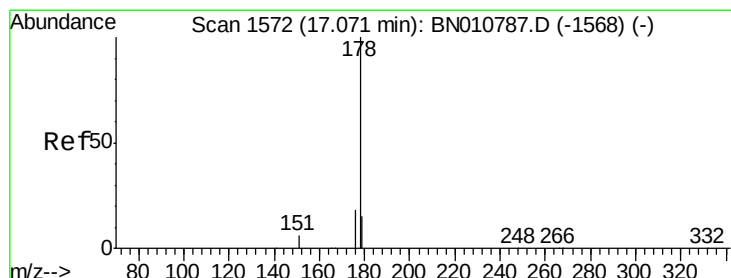
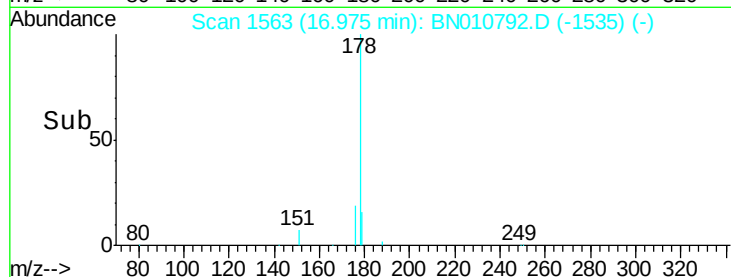
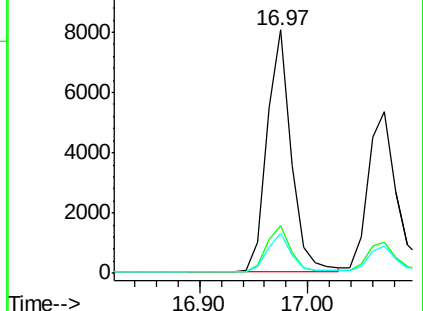
179 15.4 12.2 18.2



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: 0.378 ng

RT: 17.07 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

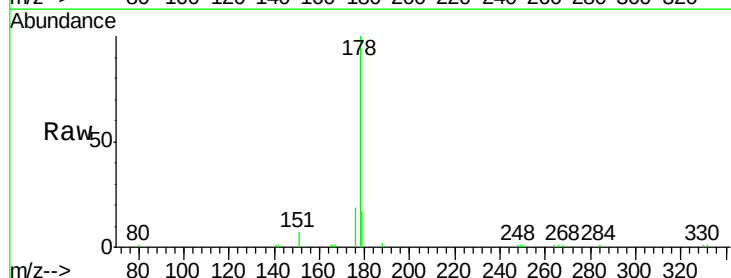
Tgt Ion:178 Resp: 10033

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

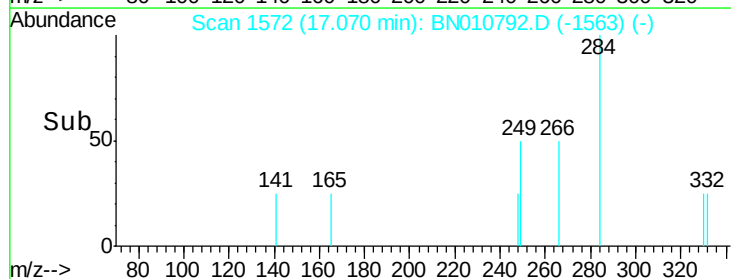
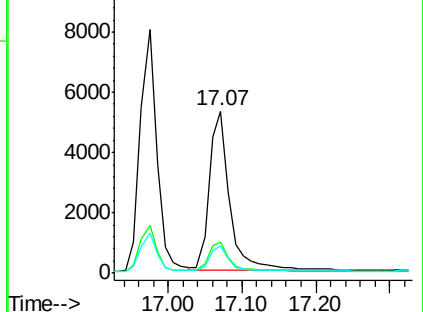
179 15.0 12.0 18.0

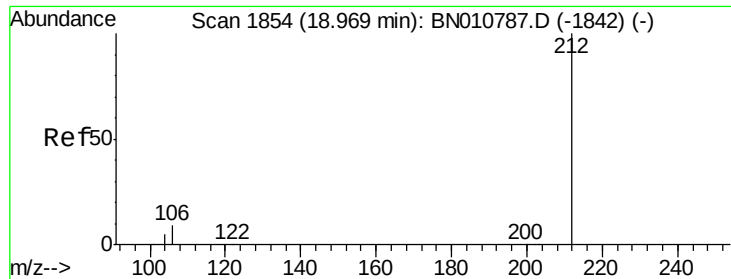


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 18.97 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

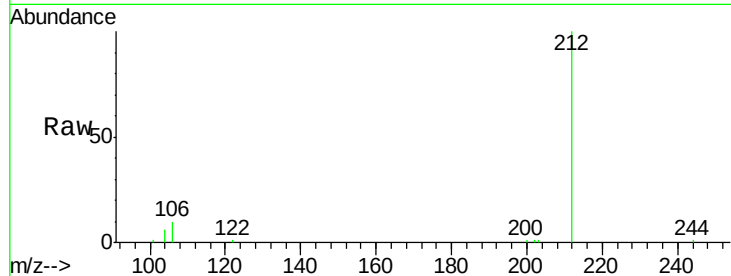
Tot Ion:212 Resp: 12230

Ion Ratio Lower Upper

212 100

106 9.4 7.1 10.7

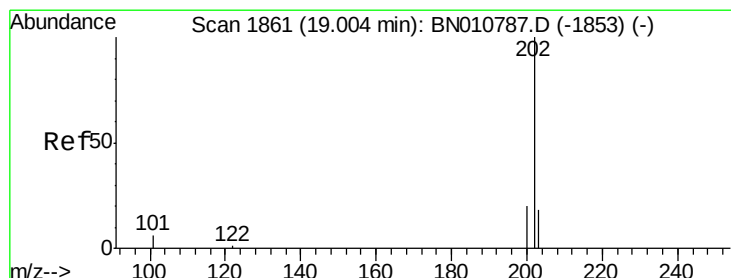
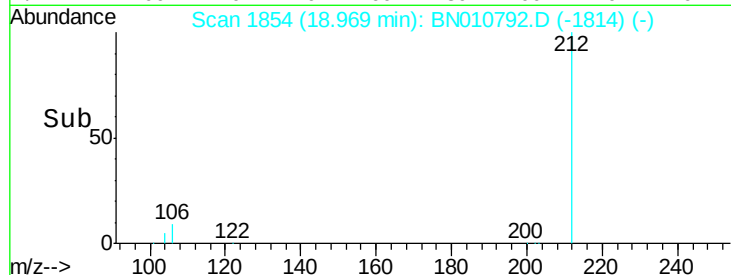
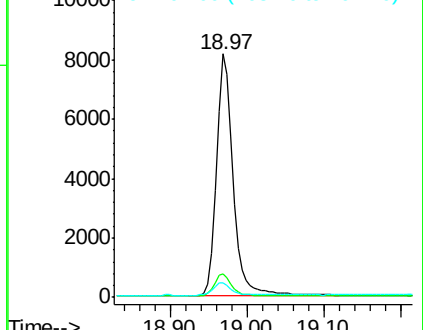
104 5.5 4.1 6.1



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: 0.379 ng

RT: 19.00 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

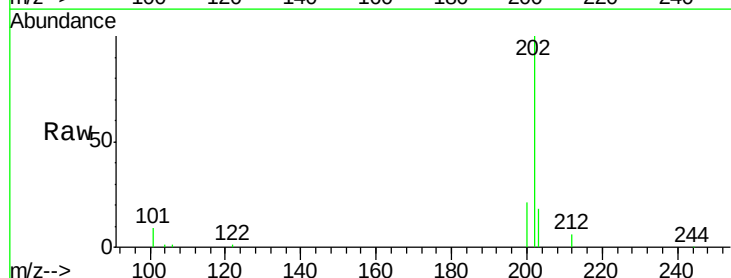
Tgt Ion:202 Resp: 13733

Ion Ratio Lower Upper

202 100

101 8.3 6.2 9.4

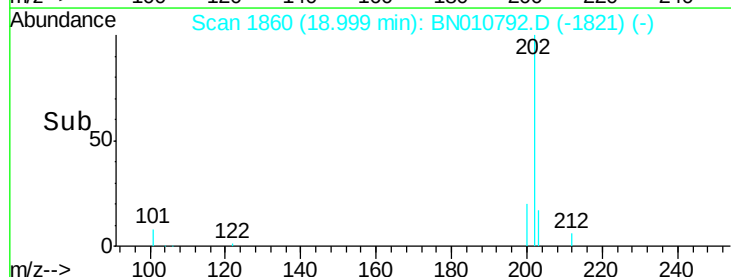
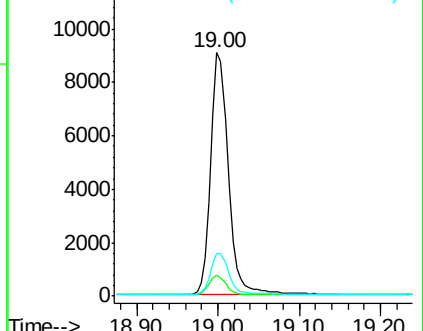
203 17.1 13.6 20.4

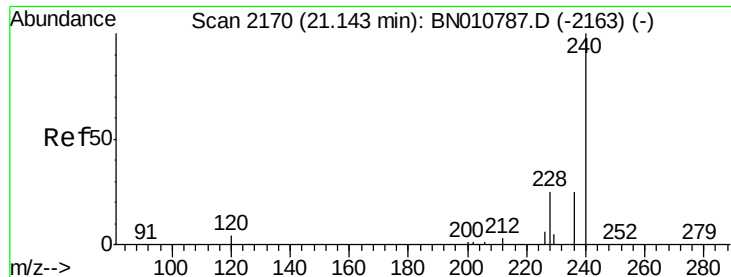


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

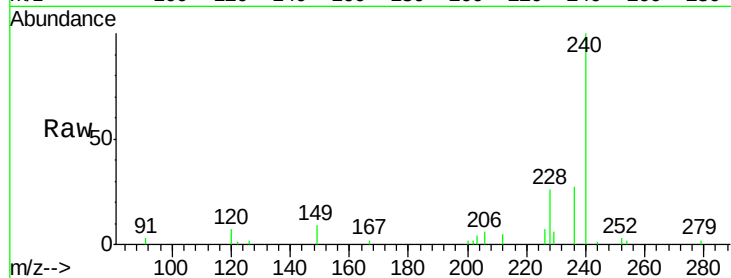
Tot Ion:240 Resp: 10617

Ion Ratio Lower Upper

240 100

120 6.8 5.2 7.8

236 27.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.14

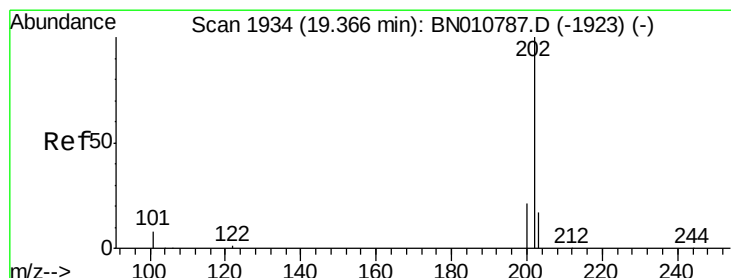
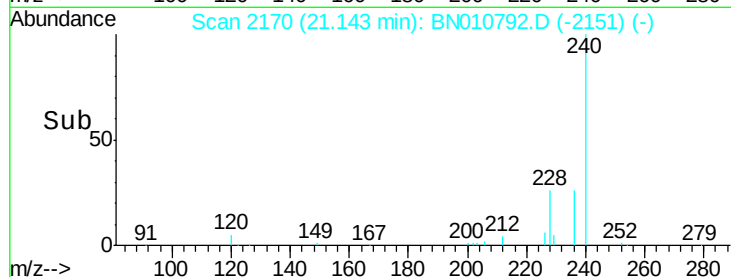
6000

4000

2000

0

Time--> 21.00 21.20



#28

Pyrene

Concen: 0.407 ng

RT: 19.37 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

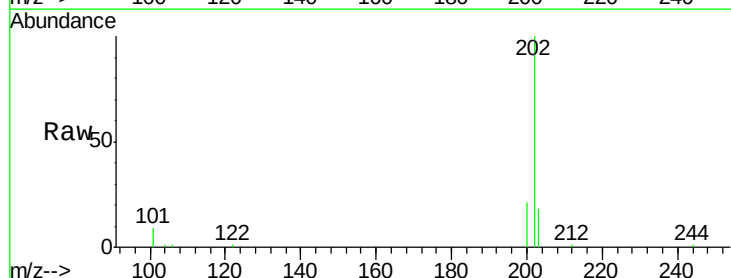
Tgt Ion:202 Resp: 13693

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 17.6 14.0 21.0



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

19.37

12000

10000

8000

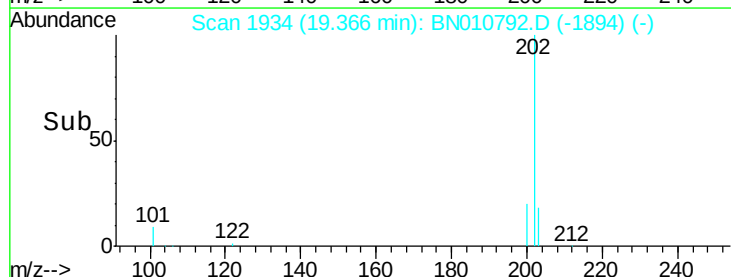
6000

4000

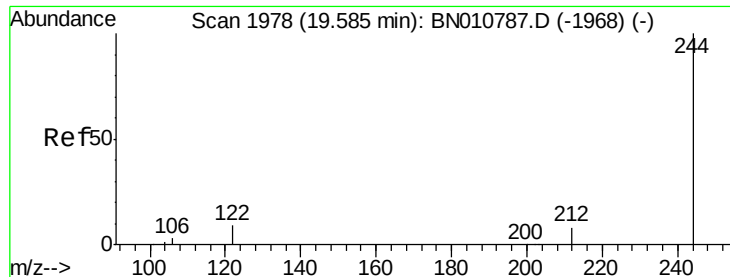
2000

0

Time--> 19.30 19.40 19.50







#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.58 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

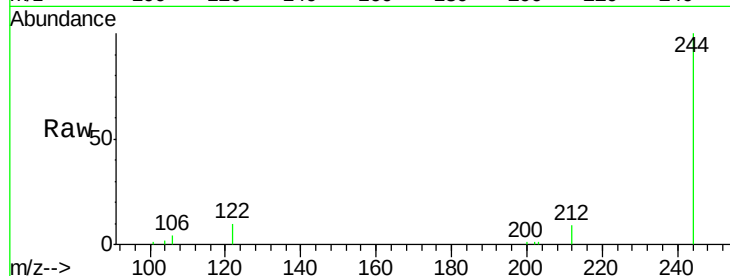
Tot Ion:244 Resp: 9599

Ion Ratio Lower Upper

244 100

212 8.6 7.2 10.8

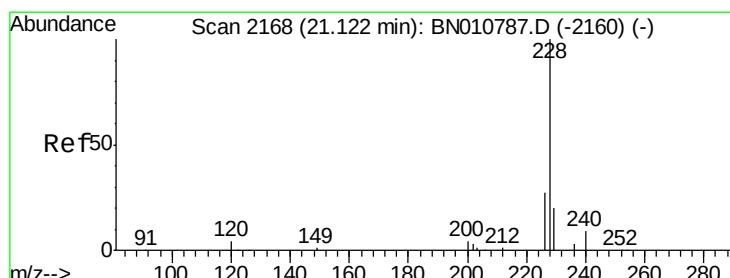
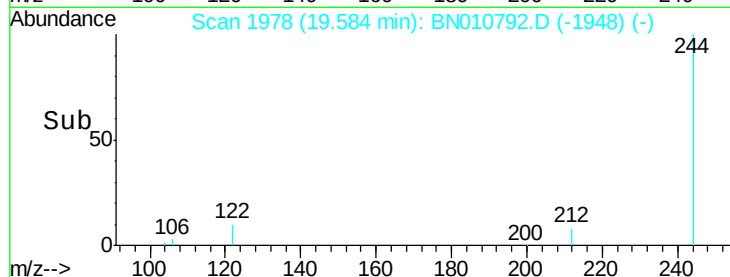
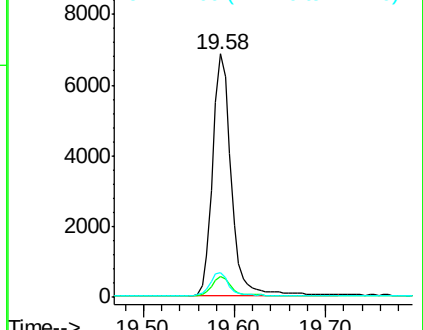
122 10.4 7.8 11.6



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: 0.390 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

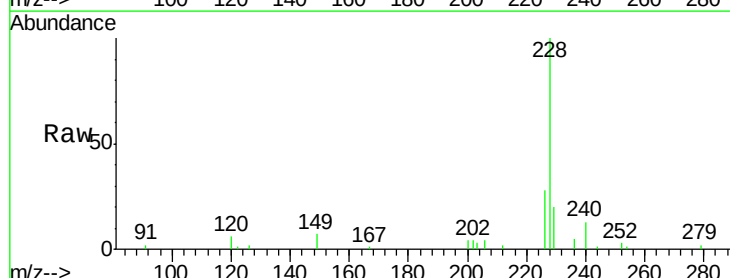
Tgt Ion:228 Resp: 12168

Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

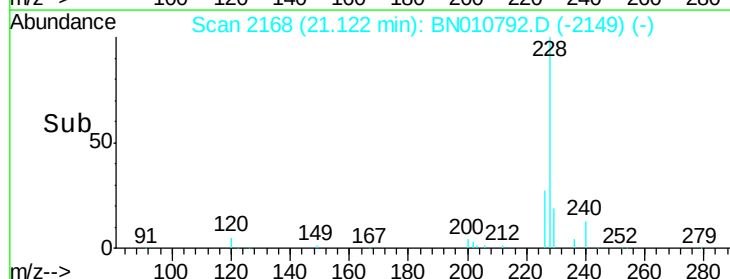
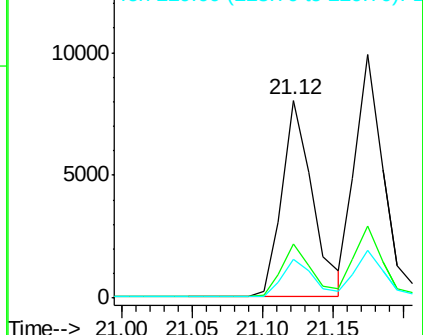
229 19.8 16.2 24.2

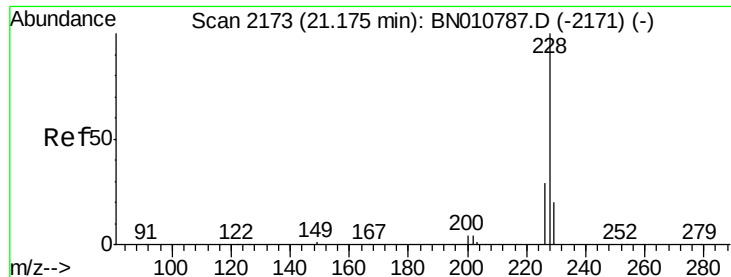


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.390 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

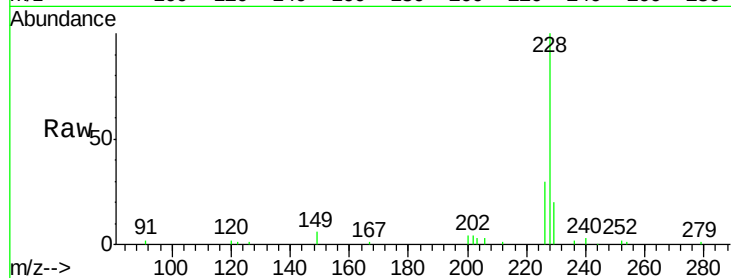
Tot Ion:228 Resp: 13791

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

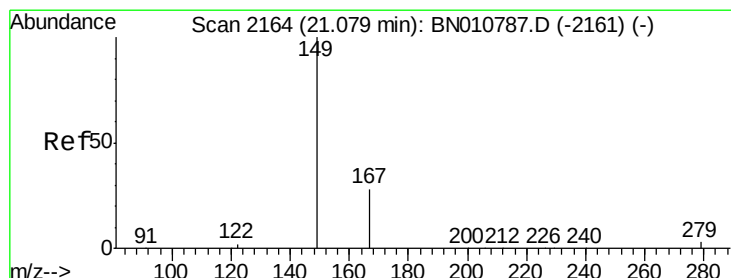
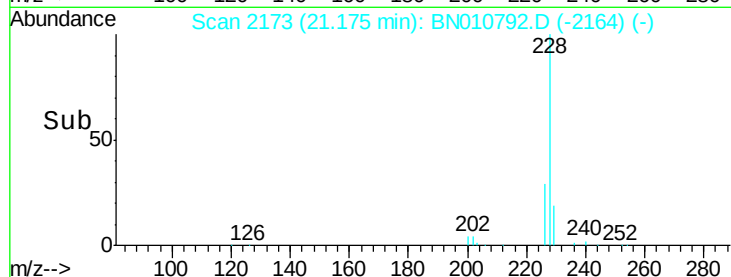
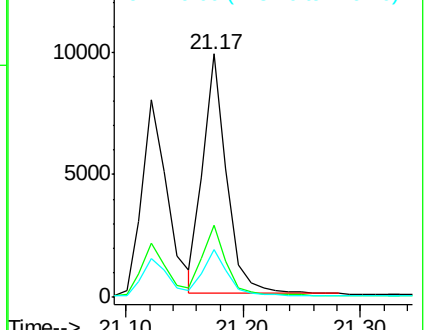
229 19.8 16.3 24.5



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: 0.383 ng

RT: 21.08 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

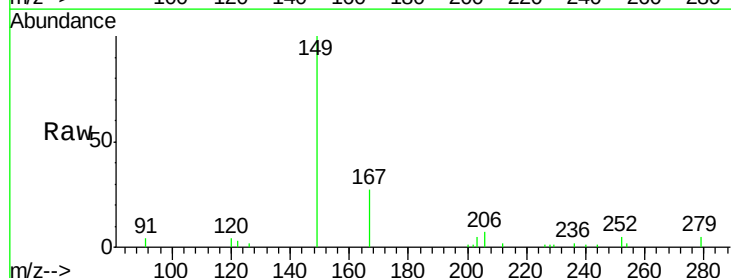
Tgt Ion:149 Resp: 3943

Ion Ratio Lower Upper

149 100

167 27.7 22.9 34.3

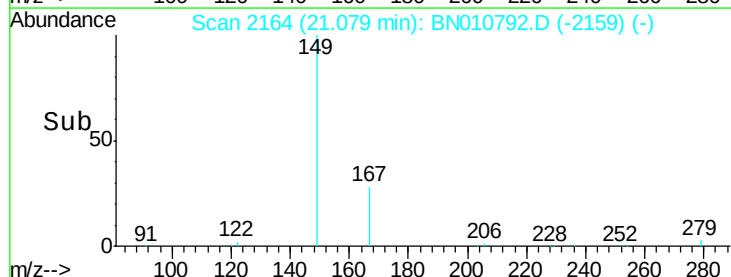
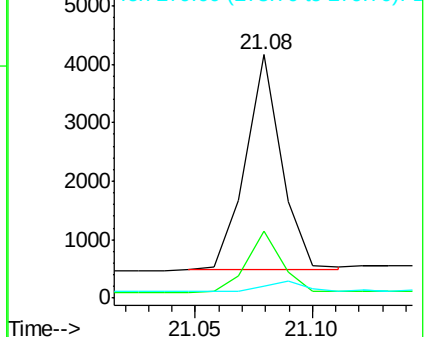
279 4.9 4.2 6.2

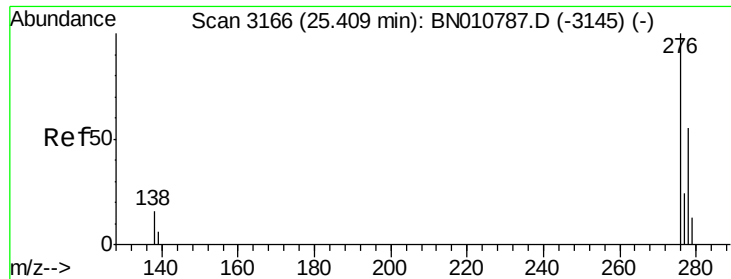


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.415 ng

RT: 25.41 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

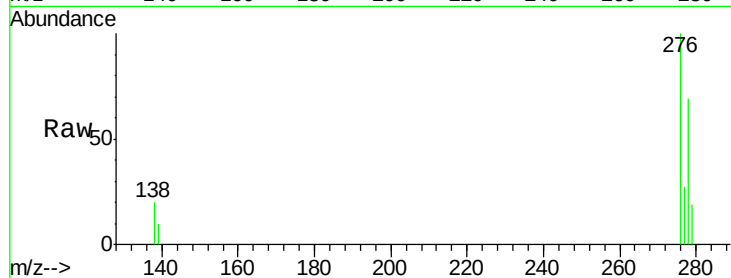
Tot Ion:276 Resp: 17659

Ion Ratio Lower Upper

276 100

138 19.9 15.1 22.7

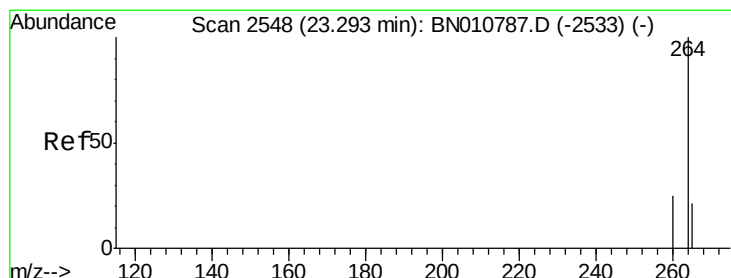
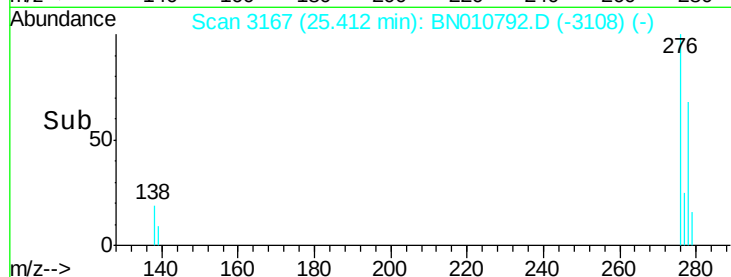
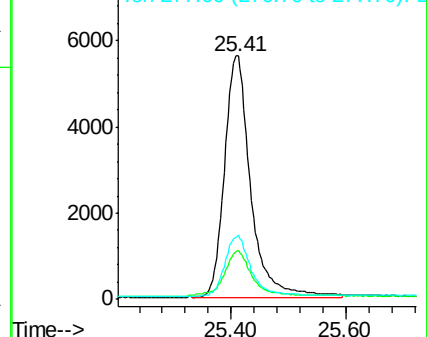
277 24.8 19.9 29.9



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: 23.29 min Scan# 2548

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

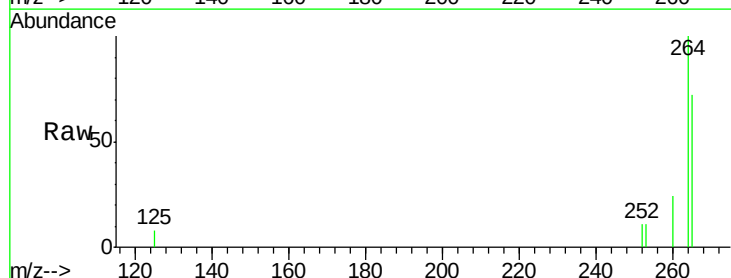
Tgt Ion:264 Resp: 11210

Ion Ratio Lower Upper

264 100

260 24.2 20.3 30.5

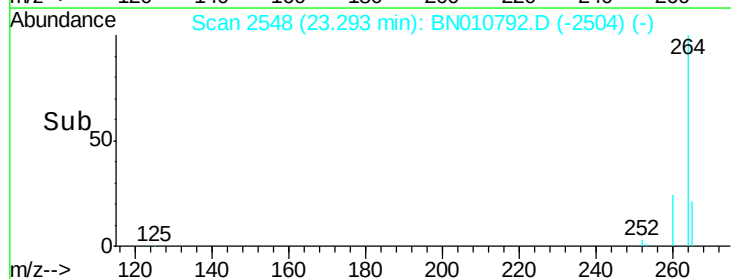
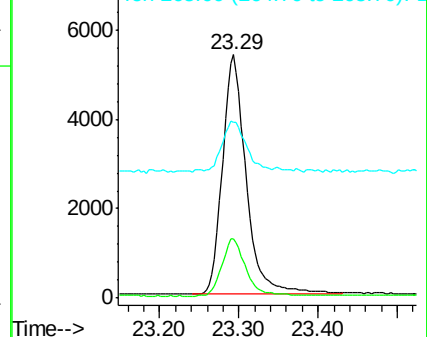
265 72.5 61.7 92.5

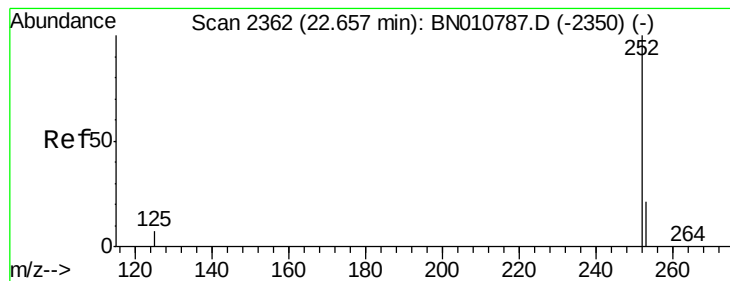


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.374 ng

RT: 22.66 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

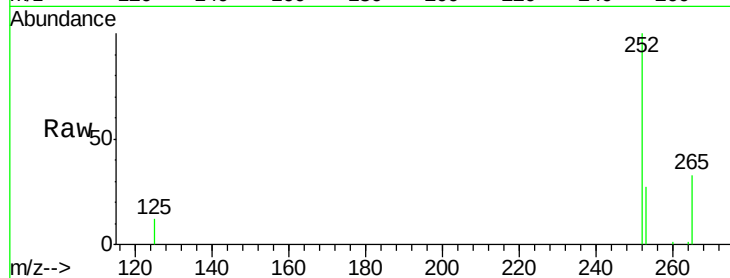
Tot Ion:252 Resp: 13643

Ion Ratio Lower Upper

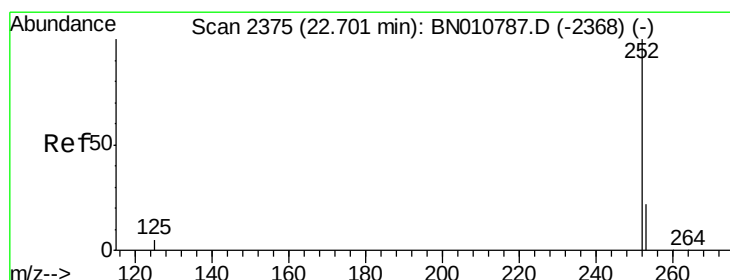
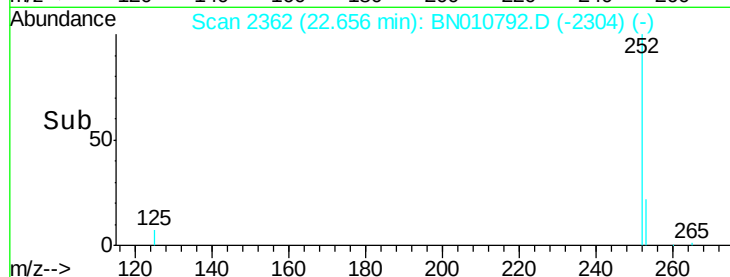
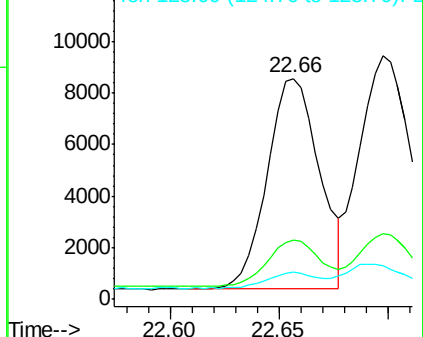
252 100

253 26.8 21.5 32.3

125 12.1 9.2 13.8



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



#36

Benzo(k)fluoranthene

Concen: 0.404 ng

RT: 22.70 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

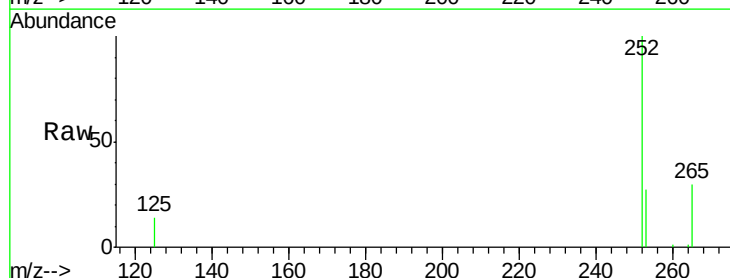
Tgt Ion:252 Resp: 16232

Ion Ratio Lower Upper

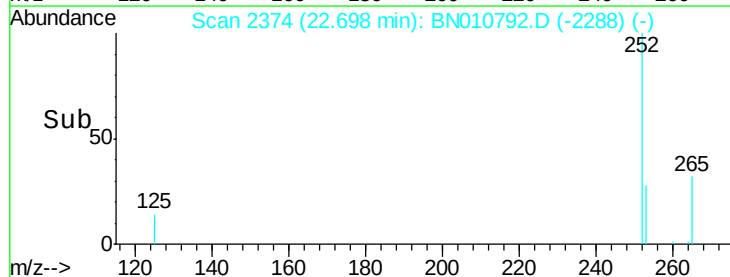
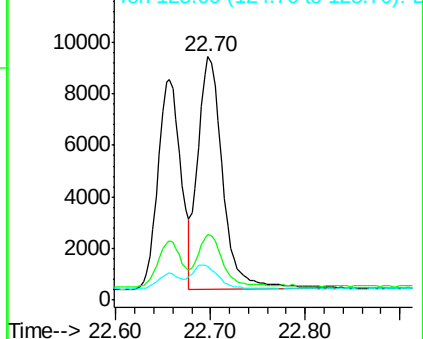
252 100

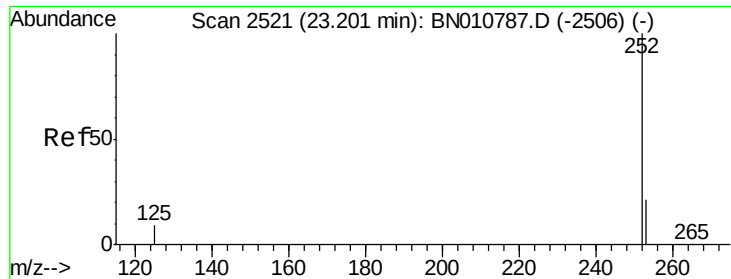
253 26.7 21.8 32.8

125 13.6 10.5 15.7



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





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.20 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620

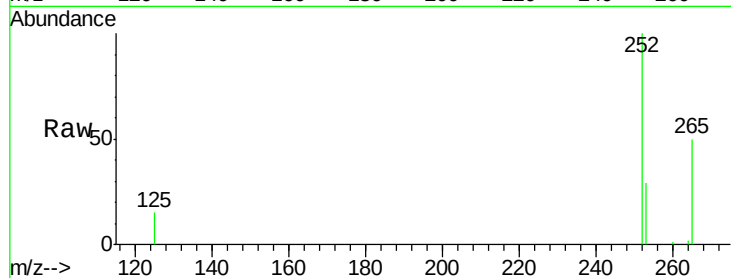
Tot Ion:252 Resp: 12516

Ion Ratio Lower Upper

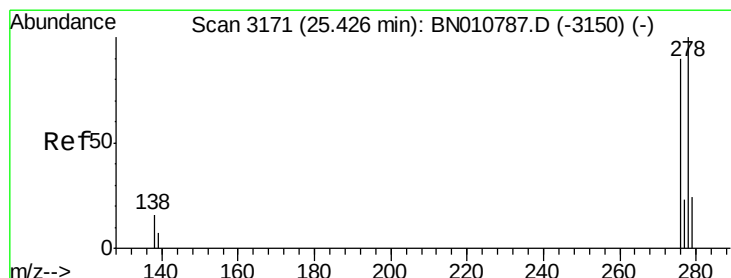
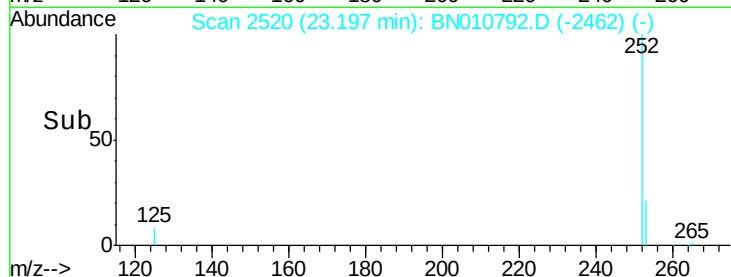
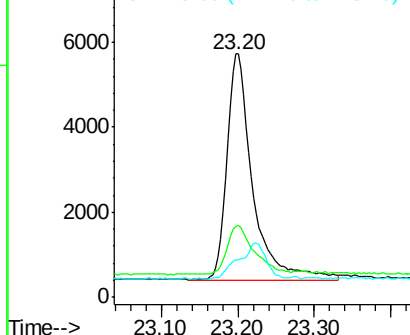
252 100

253 29.0 32.0 48.0#

125 15.3 16.0 24.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.388 ng

RT: 25.42 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BN010792.D

Acq: 05 Jun 2020 21:42

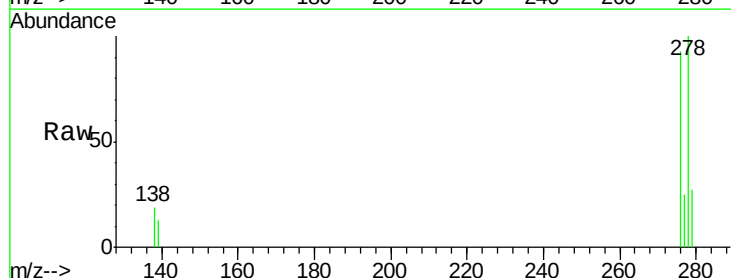
Tgt Ion:278 Resp: 14245

Ion Ratio Lower Upper

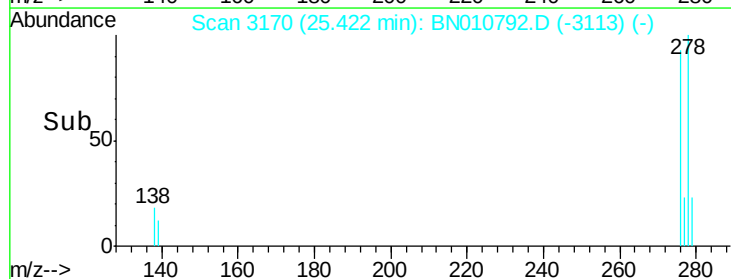
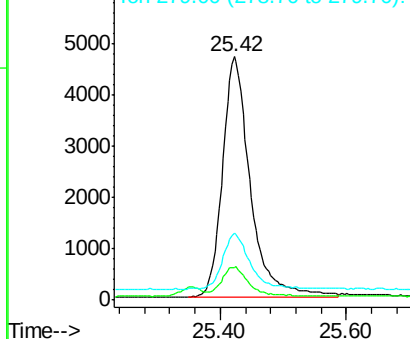
278 100

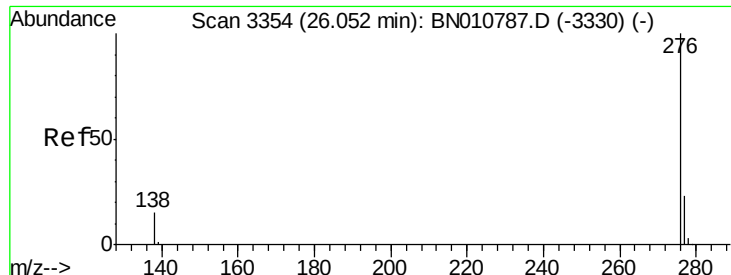
139 13.4 10.7 16.1

279 27.3 22.9 34.3



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: 0.374 ng

RT: 26.05 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BN010792.D

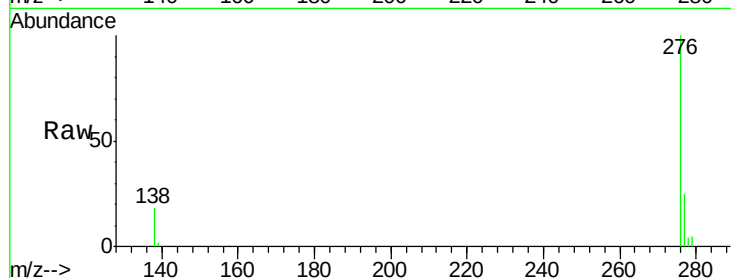
Acq: 05 Jun 2020 21:42

Instrument :

BNA\_N

ClientSampleId :

ICVBN060620



Tot Ion: 276 Resp: 14196

Ion Ratio Lower Upper

276 100

277 25.1 19.9 29.9

138 17.7 13.6 20.4

