

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031120\  
 Data File : BN010204.D  
 Acq On : 11 Mar 2020 22:22  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Mar 12 07:16:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 11 17:37:44 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 597      | 0.40 | ng    | 0.02     |
| 7) Naphthalene-d8         | 10.14 | 136  | 2498     | 0.40 | ng    | 0.03     |
| 13) Acenaphthene-d10      | 14.01 | 164  | 1268     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 16.79 | 188  | 2838     | 0.40 | ng    | 0.02     |
| 27) Chrysene-d12          | 21.00 | 240  | 2599     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.10 | 264  | 2898     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.07  | 112 | 492  | 0.37 | ng | 0.03 |
| 5) Phenol-d6                | 6.67  | 99  | 742  | 0.46 | ng | 0.06 |
| 8) Nitrobenzene-d5          | 8.62  | 82  | 714  | 0.34 | ng | 0.06 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 1552 | 0.32 | ng | 0.03 |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330 | 215  | 0.44 | ng | 0.02 |
| 15) 2-Fluorobiphenyl        | 12.65 | 172 | 1943 | 0.41 | ng | 0.02 |
| 25) Fluoranthene-d10        | 18.83 | 212 | 3875 | 0.39 | ng | 0.01 |
| 29) Terphenyl-d14           | 19.45 | 244 | 2687 | 0.43 | ng | 0.02 |

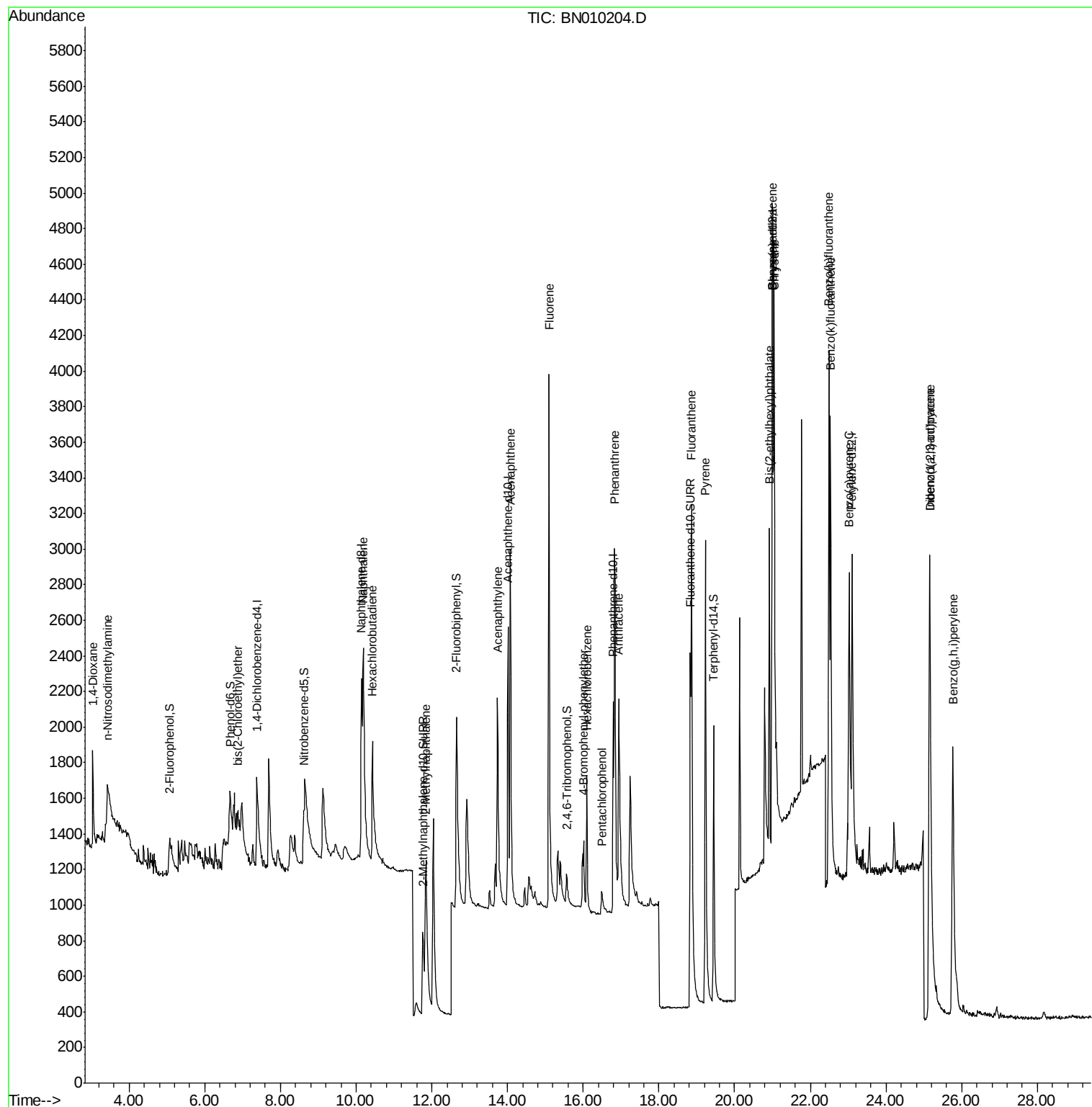
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.04  | 88  | 290  | 0.474  | ng | 90   |
| 3) n-Nitrosodimethylamine      | 3.43  | 42  | 422  | 0.420  | ng | # 67 |
| 6) bis(2-Chloroethyl)ether     | 6.88  | 93  | 462  | 0.294  | ng | # 72 |
| 9) Naphthalene                 | 10.19 | 128 | 2674 | 0.392  | ng | 95   |
| 10) Hexachlorobutadiene        | 10.43 | 225 | 623  | 0.416  | ng | # 95 |
| 12) 2-Methylnaphthalene        | 11.84 | 142 | 1444 | 0.309  | ng | 96   |
| 16) Acenaphthylene             | 13.73 | 152 | 2107 | 0.390  | ng | 98   |
| 17) Acenaphthene               | 14.08 | 154 | 1539 | 0.405  | ng | 100  |
| 18) Fluorene                   | 15.09 | 166 | 1999 | 0.399  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 452  | 0.170  | ng | 92   |
| 21) Hexachlorobenzene          | 16.09 | 284 | 734  | 0.415  | ng | 97   |
| 22) Pentachlorophenol          | 16.49 | 266 | 159  | 0.447  | ng | 93   |
| 23) Phenanthrene               | 16.83 | 178 | 3101 | 0.367  | ng | 99   |
| 24) Anthracene                 | 16.94 | 178 | 2626 | 0.368  | ng | 99   |
| 26) Fluoranthene               | 18.86 | 202 | 3959 | 0.391  | ng | 99   |
| 28) Pyrene                     | 19.23 | 202 | 4029 | 0.408  | ng | 99   |
| 30) Benzo(a)anthracene         | 20.99 | 228 | 2875 | 0.333  | ng | 99   |
| 31) Chrysene                   | 21.04 | 228 | 4435 | 0.444  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149 | 1633 | 0.388  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.15 | 276 | 4509 | 0.434  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.49 | 252 | 3775 | 0.356  | ng | # 95 |
| 36) Benzo(k)fluoranthene       | 22.53 | 252 | 4684 | 0.406  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.02 | 252 | 3897 | 0.403  | ng | # 92 |
| 38) Dibenzo(a,h)anthracene     | 25.16 | 278 | 3508 | 0.369  | ng | 95   |
| 39) Benzo(g,h,i)perylene       | 25.77 | 276 | 4298 | 0.424  | ng | 99   |

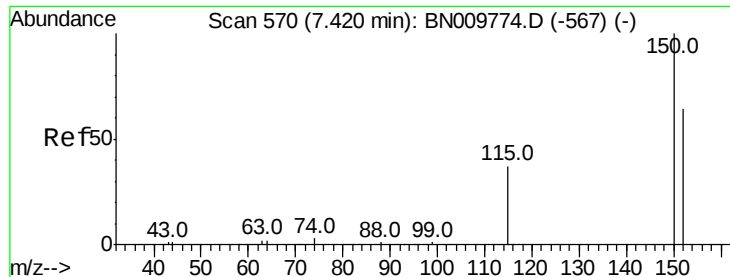
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 11 17:37:44 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 565

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

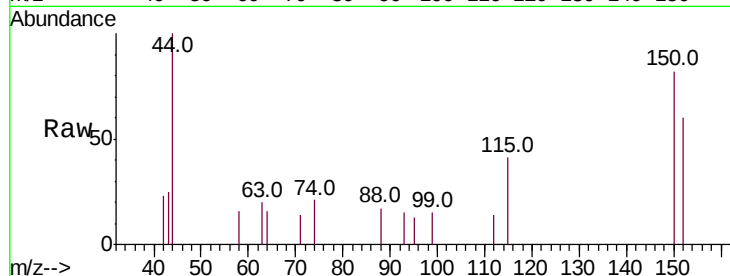
Tot Ion:152 Resp: 597

Ion Ratio Lower Upper

152 100

150 136.7 120.6 181.0

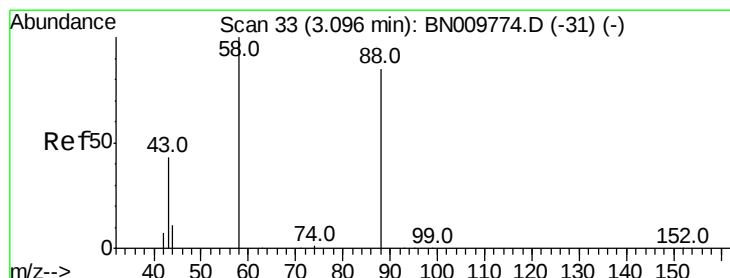
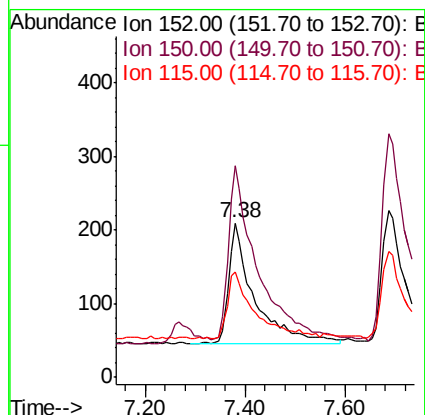
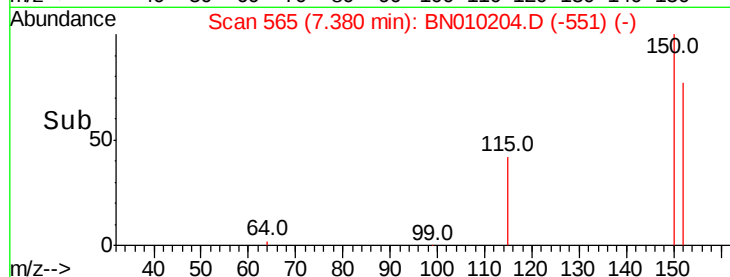
115 68.1 51.2 76.8



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: 0.474 ng

RT: 3.04 min Scan# 26

Delta R.T. 0.00 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

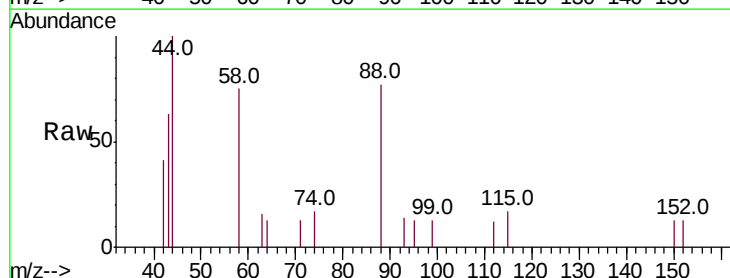
Tgt Ion: 88 Resp: 290

Ion Ratio Lower Upper

88 100

58 136.2 97.8 146.8

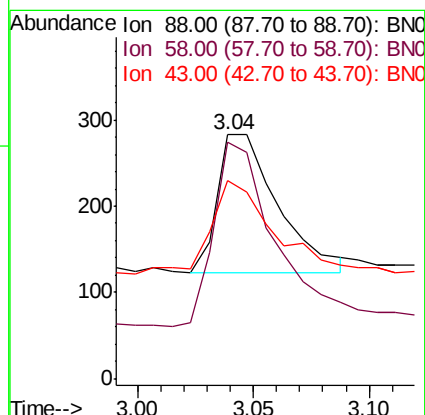
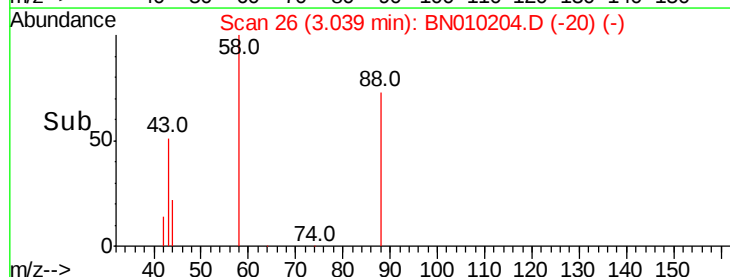
43 59.7 45.1 67.7

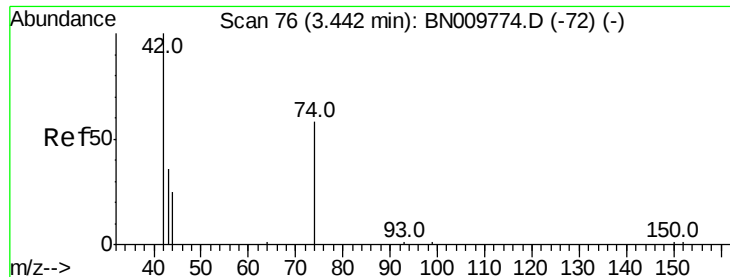


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.420 ng

RT: 3.43 min Scan# 75

Delta R.T. 0.05 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

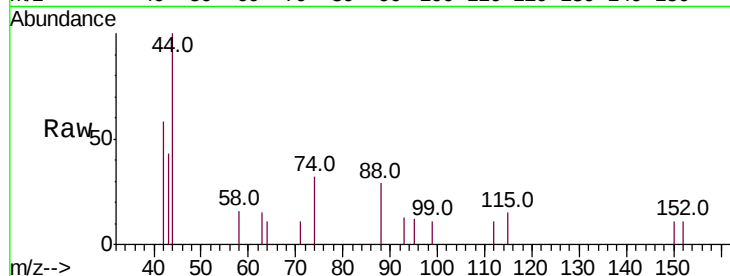
Tot Ion: 42 Resp: 422

Ion Ratio Lower Upper

42 100

74 37.4 51.2 76.8#

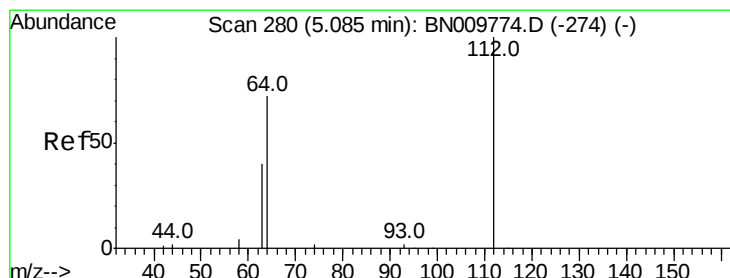
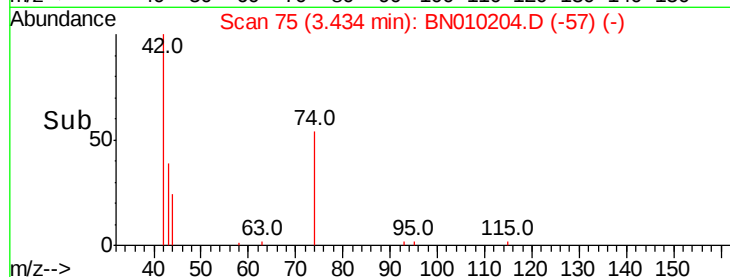
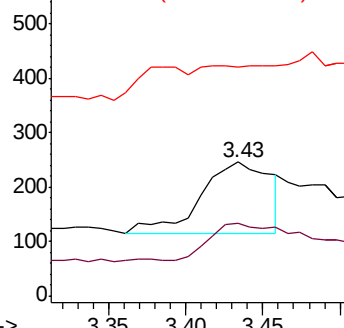
44 0.0 2.6 4.0#



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: 0.371 ng

RT: 5.07 min Scan# 278

Delta R.T. 0.03 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

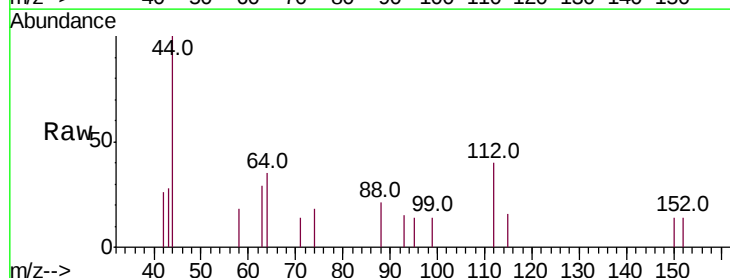
Tgt Ion: 112 Resp: 492

Ion Ratio Lower Upper

112 100

64 84.8 65.8 98.6

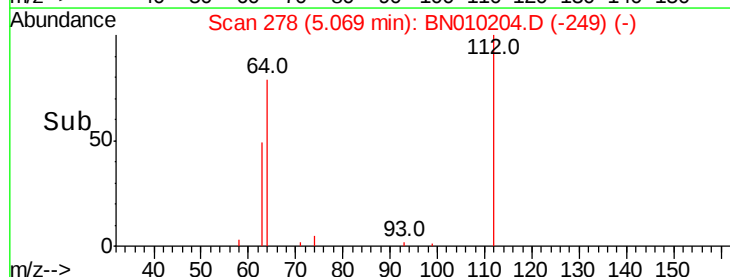
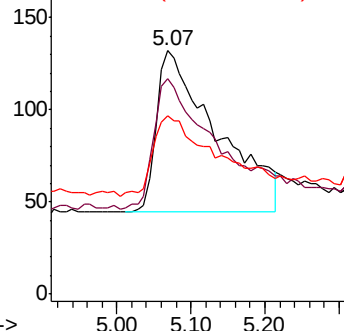
63 54.7 38.7 58.1

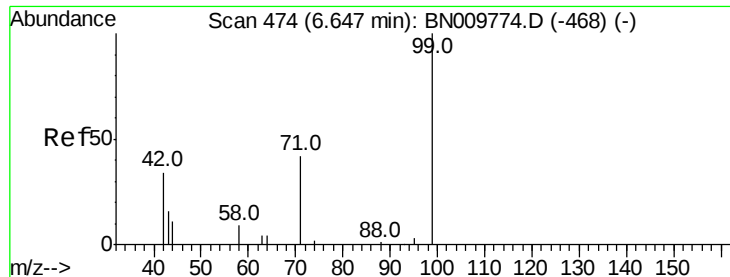


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.459 ng

RT: 6.67 min Scan# 477

Delta R.T. 0.06 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

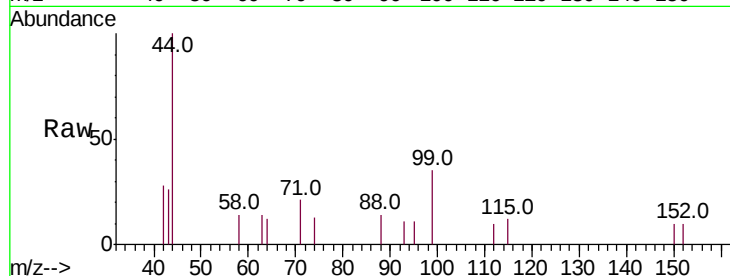
Tot Ion: 99 Resp: 742

Ion Ratio Lower Upper

99 100

42 35.3 30.8 46.2

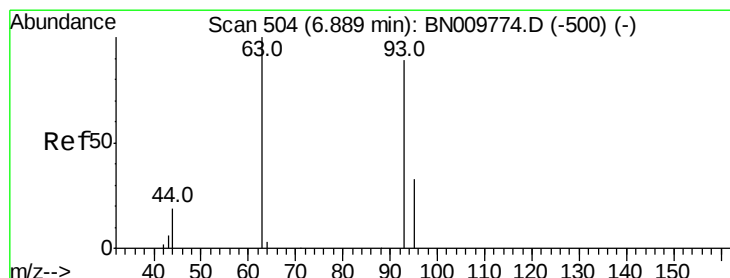
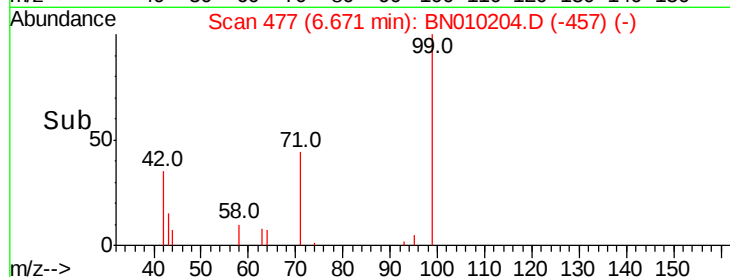
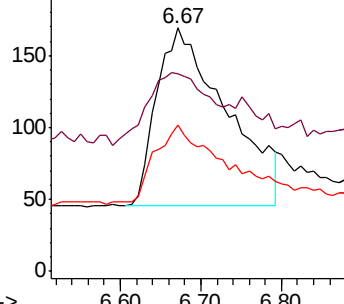
71 44.6 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.294 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.05 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

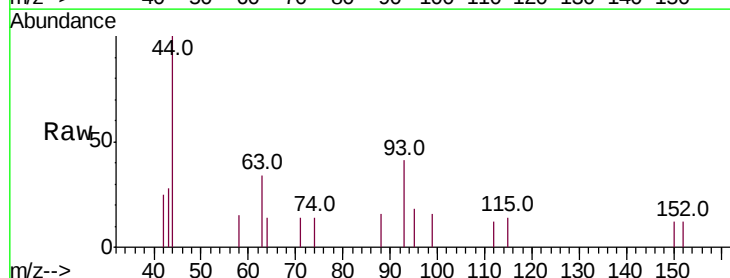
Tgt Ion: 93 Resp: 462

Ion Ratio Lower Upper

93 100

63 67.3 74.0 111.0#

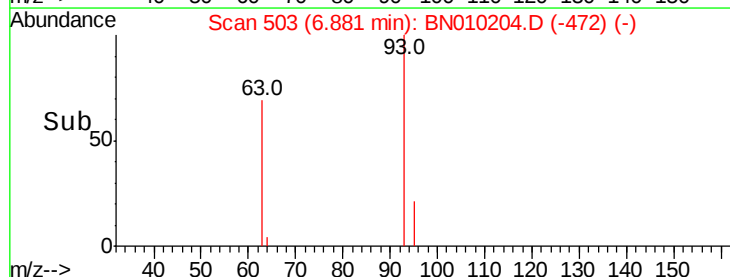
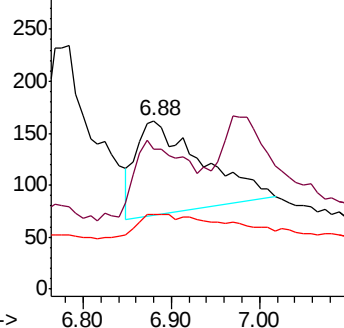
95 14.9 26.7 40.1#

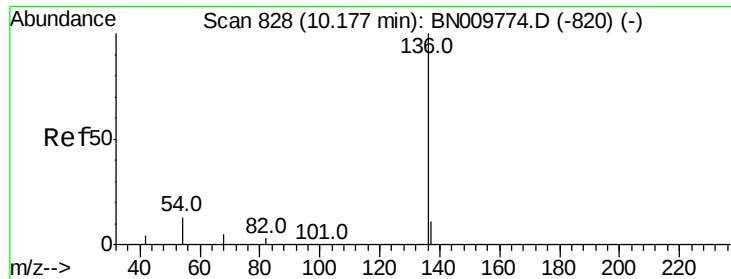


Abundance Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. 0.03 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 2498

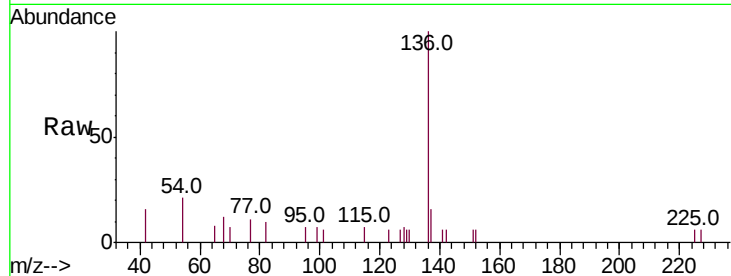
Ion Ratio Lower Upper

136 100

137 15.8 11.3 16.9

54 21.5 13.4 20.2#

68 11.7 7.0 10.4#

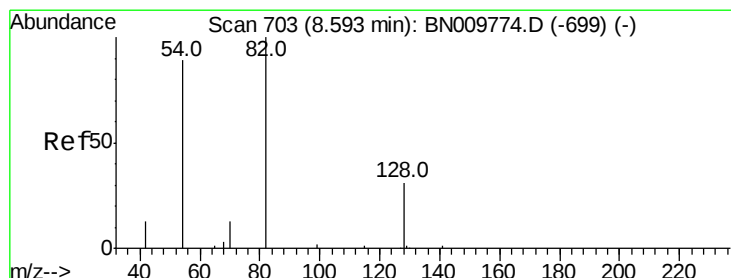
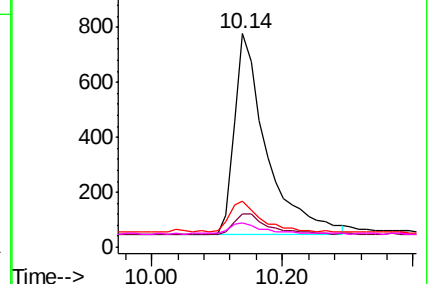
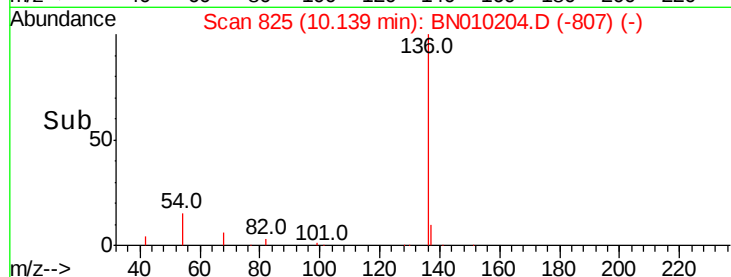


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.343 ng

RT: 8.62 min Scan# 705

Delta R.T. 0.06 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

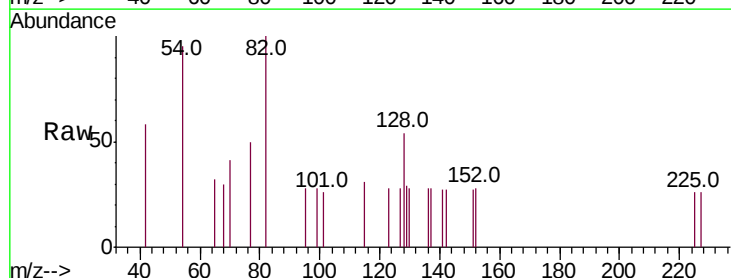
Tgt Ion: 82 Resp: 714

Ion Ratio Lower Upper

82 100

128 54.1 32.5 48.7#

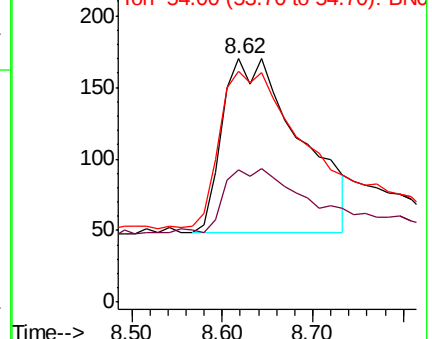
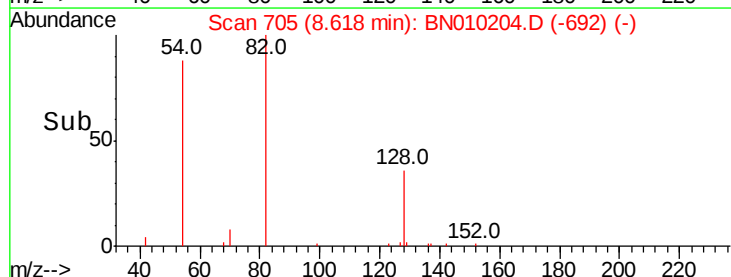
54 94.7 73.5 110.3

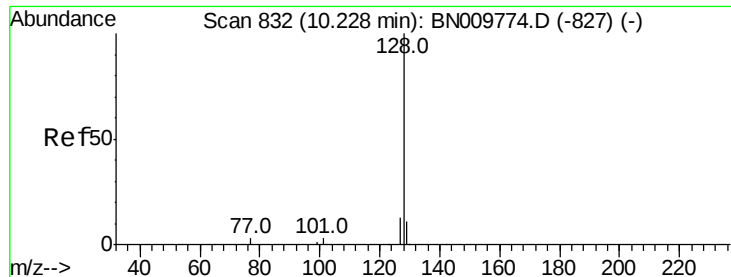


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.392 ng

RT: 10.19 min Scan# 829

Delta R.T. 0.03 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

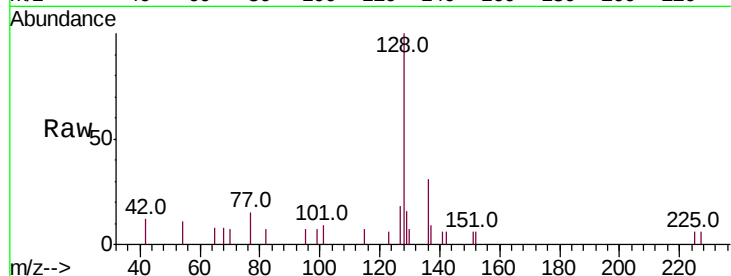
Tot Ion:128 Resp: 2674

Ion Ratio Lower Upper

128 100

129 16.1 11.1 16.7

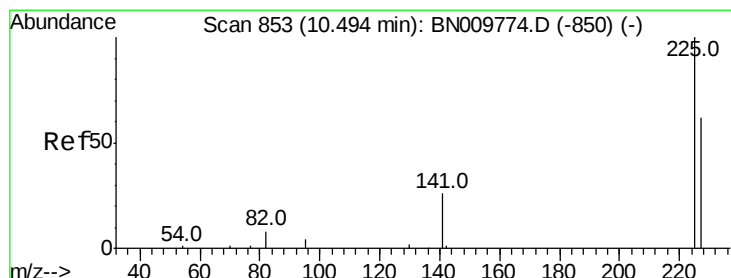
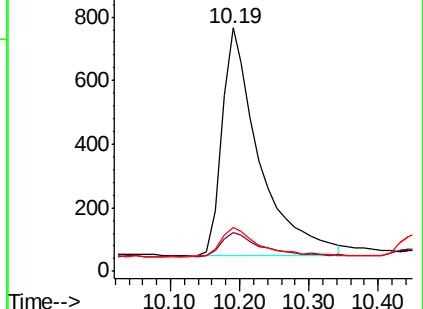
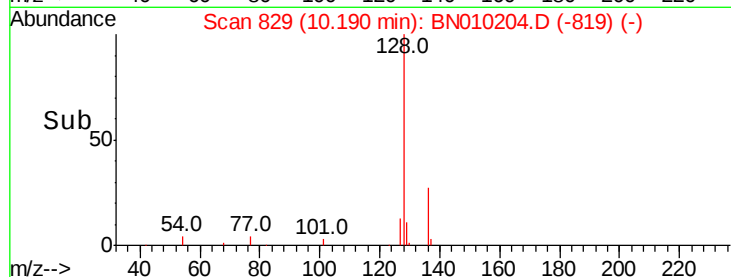
127 18.1 12.6 19.0



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: 0.416 ng

RT: 10.43 min Scan# 848

Delta R.T. 0.00 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

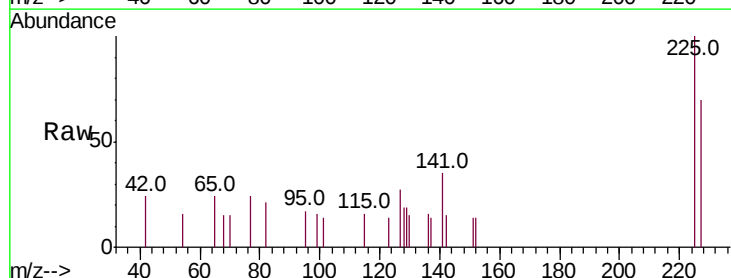
Tgt Ion:225 Resp: 623

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

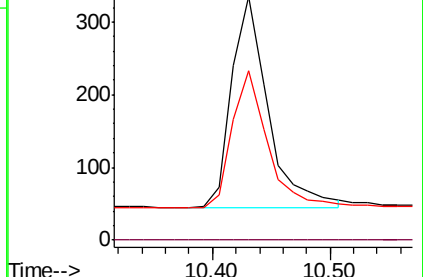
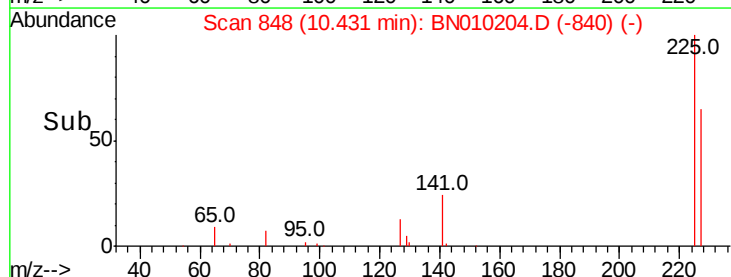
227 62.9 53.4 80.2

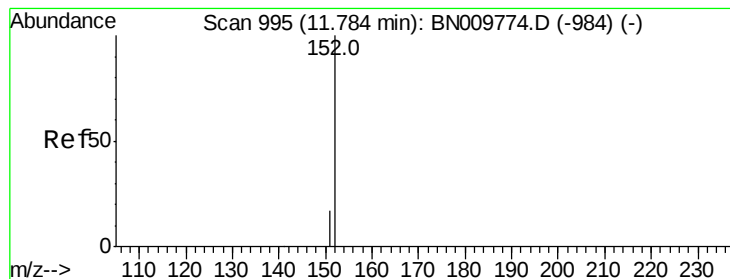


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.321 ng

RT: 11.76 min Scan# 990

Delta R.T. 0.03 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

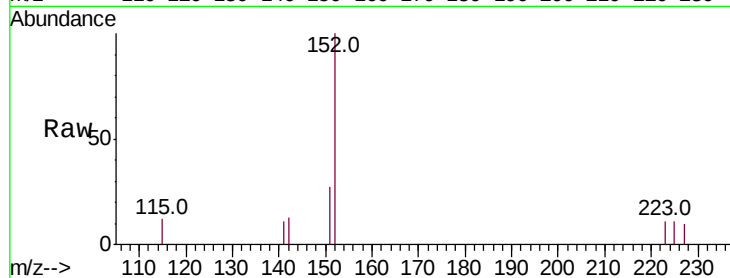
SSTDCCC0.4EC

Tot Ion:152 Resp: 1552

Ion Ratio Lower Upper

152 100

151 19.5 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

400

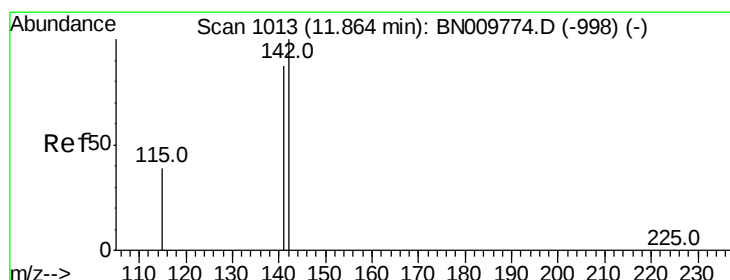
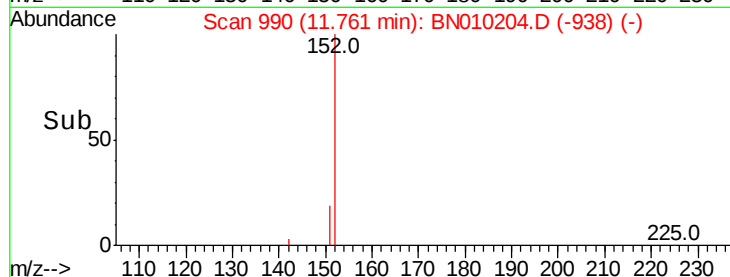
300

200

100

0

Time--> 11.60 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.309 ng

RT: 11.84 min Scan# 1008

Delta R.T. 0.04 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

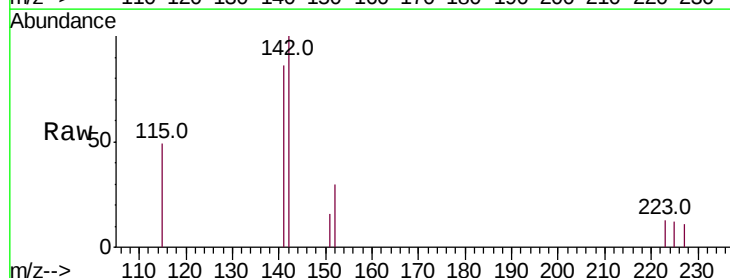
Tgt Ion:142 Resp: 1444

Ion Ratio Lower Upper

142 100

141 86.2 69.8 104.6

115 49.2 34.6 52.0



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

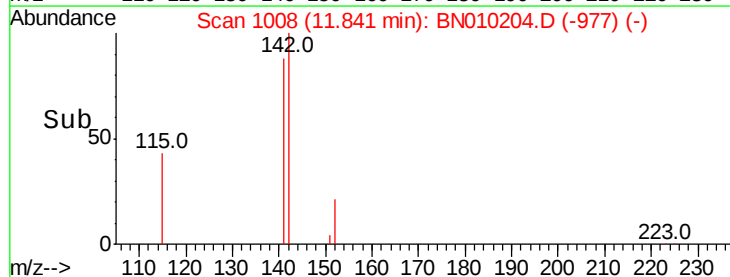
600

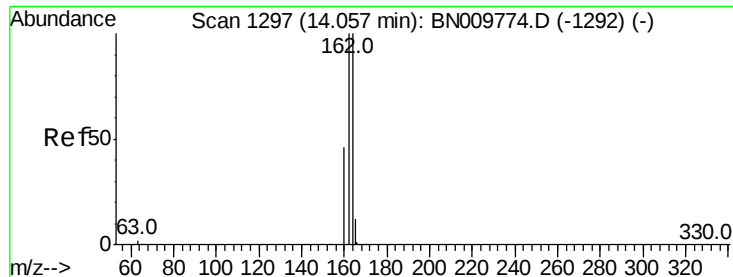
400

200

0

Time--> 11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

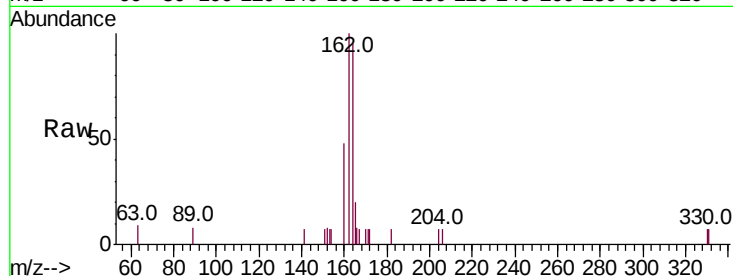
Tot Ion:164 Resp: 1268

Ion Ratio Lower Upper

164 100

162 104.9 79.9 119.9

160 50.9 38.2 57.2



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

14.01

600

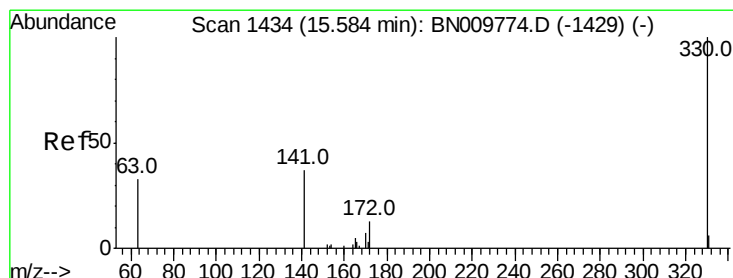
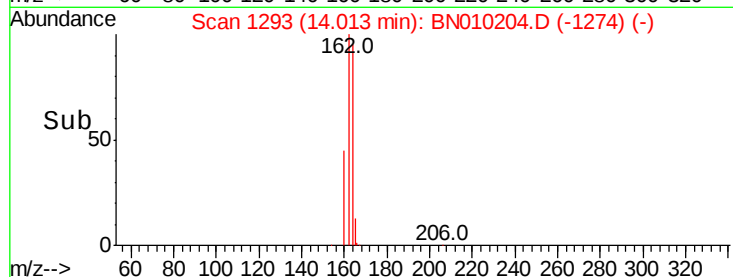
400

200

0

13.80 14.00 14.20

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.440 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

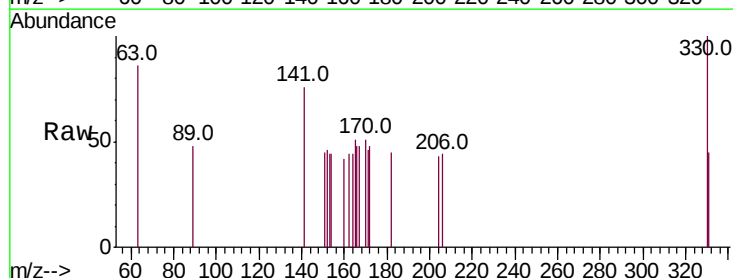
Tgt Ion:330 Resp: 215

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 45.6 36.8 55.2



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

15.56

150

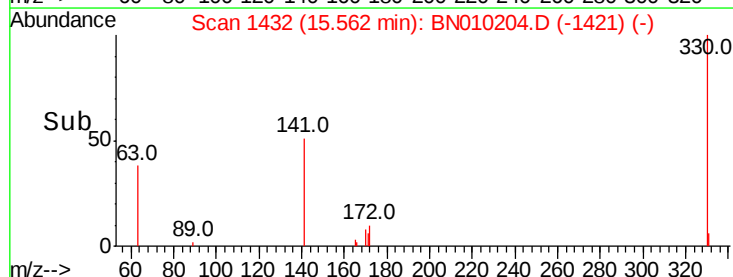
100

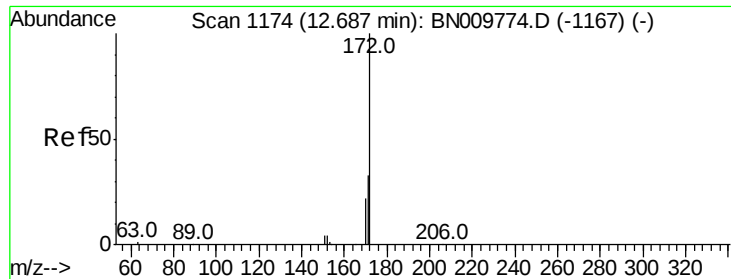
50

0

15.50 15.60 15.70

Time-->

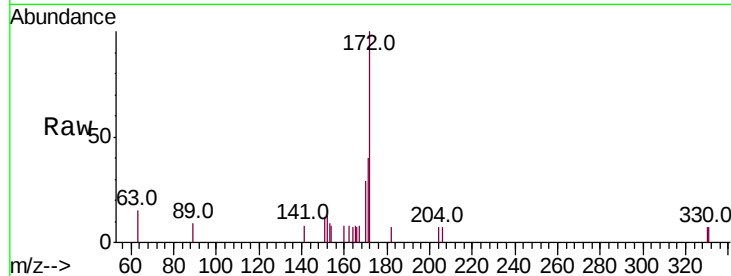




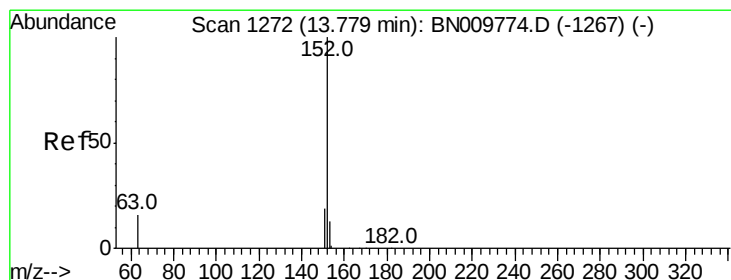
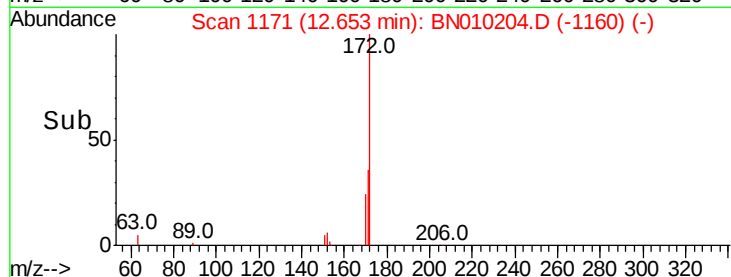
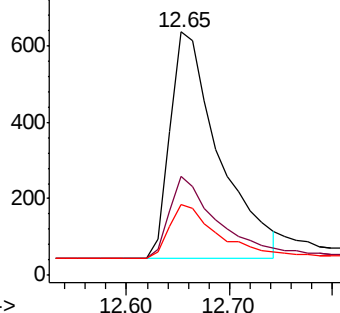
#15  
2-Fluorobiphenyl  
Concen: 0.406 ng  
RT: 12.65 min Scan# 1171  
Delta R.T. 0.02 min  
Lab File: BN010204.D  
Acq: 11 Mar 2020 22:22

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:172 Resp: 1943  
Ion Ratio Lower Upper  
172 100  
171 40.4 28.7 43.1  
170 29.2 20.1 30.1

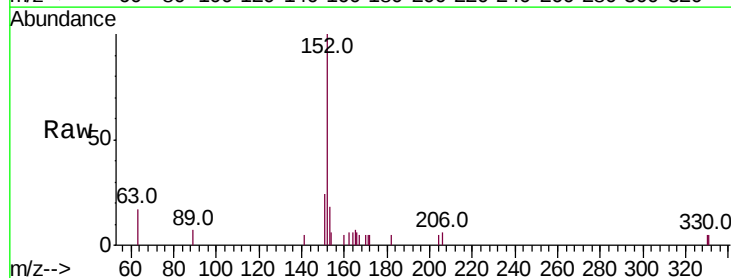


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

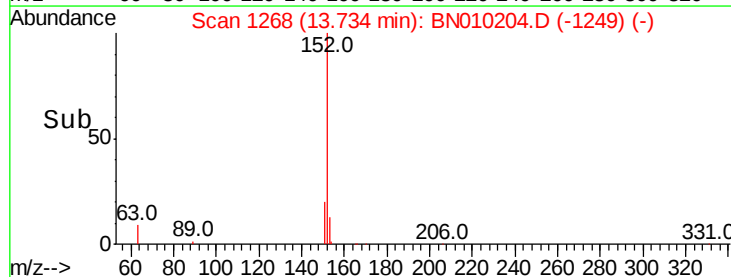
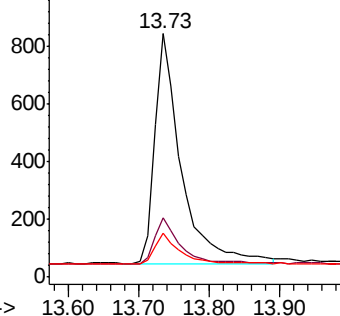


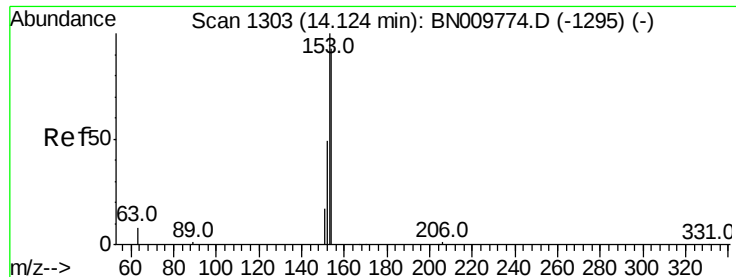
#16  
Acenaphthylene  
Concen: 0.390 ng  
RT: 13.73 min Scan# 1268  
Delta R.T. 0.01 min  
Lab File: BN010204.D  
Acq: 11 Mar 2020 22:22

Tgt Ion:152 Resp: 2107  
Ion Ratio Lower Upper  
152 100  
151 18.6 15.8 23.6  
153 13.1 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.405 ng

RT: 14.08 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

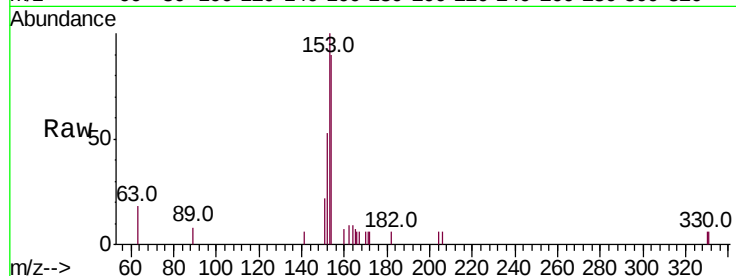
Tot Ion:154 Resp: 1539

Ion Ratio Lower Upper

154 100

153 111.2 88.9 133.3

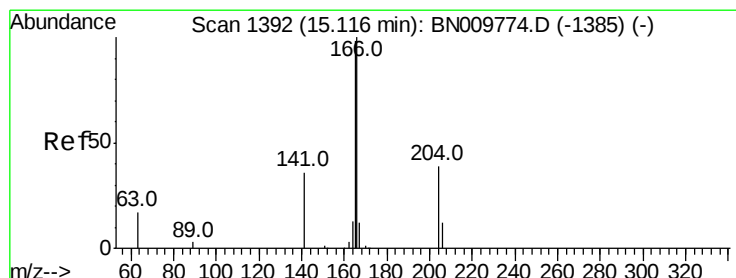
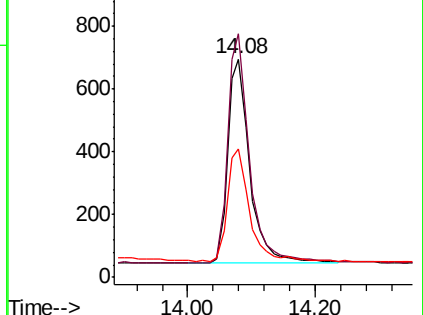
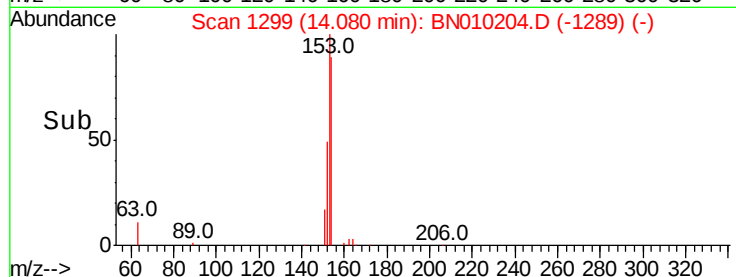
152 55.0 44.2 66.2



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: 0.399 ng

RT: 15.09 min Scan# 1390

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

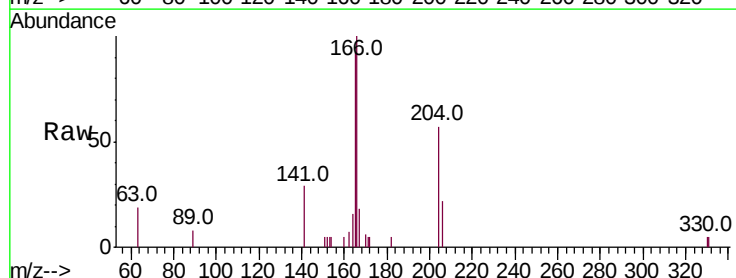
Tgt Ion:166 Resp: 1999

Ion Ratio Lower Upper

166 100

165 94.2 77.2 115.8

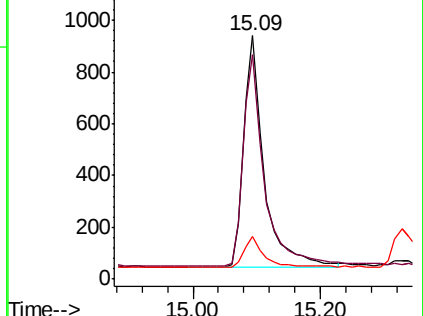
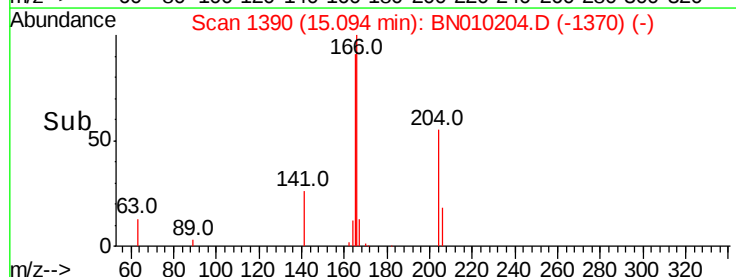
167 13.3 10.5 15.7

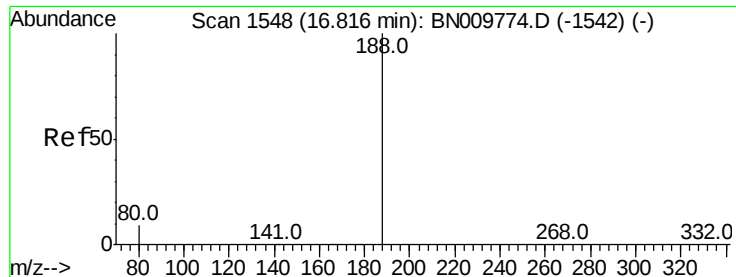


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

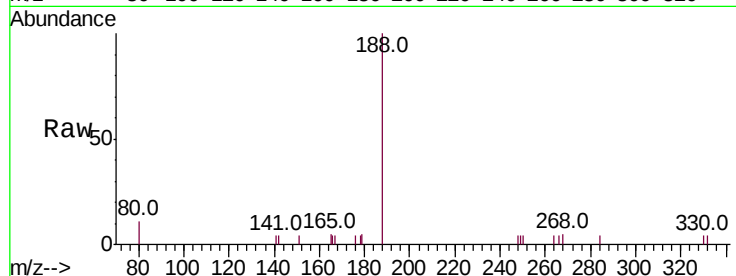
Tot Ion:188 Resp: 2838

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

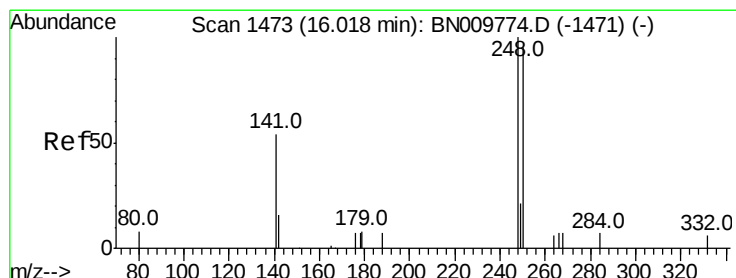
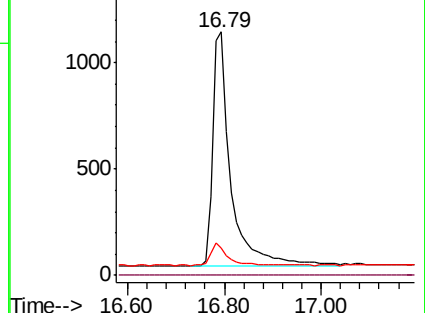
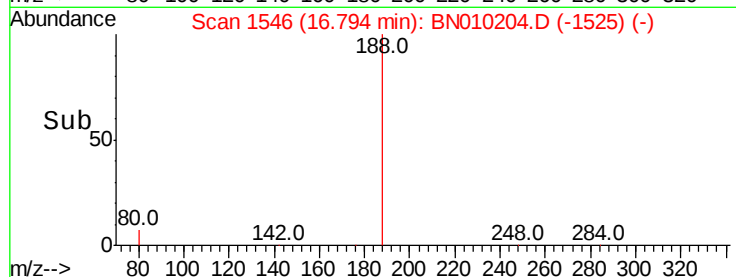
80 11.1 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.170 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

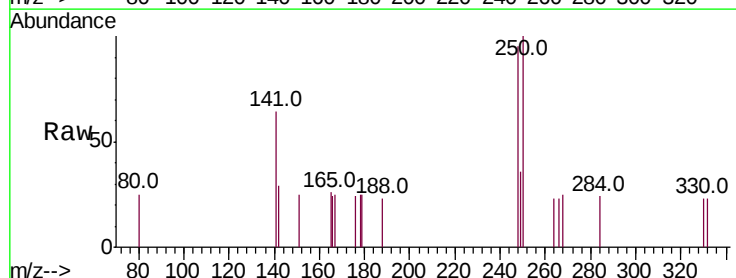
Tgt Ion:248 Resp: 452

Ion Ratio Lower Upper

248 100

250 105.3 76.2 114.4

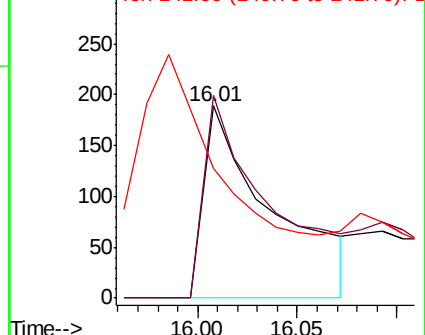
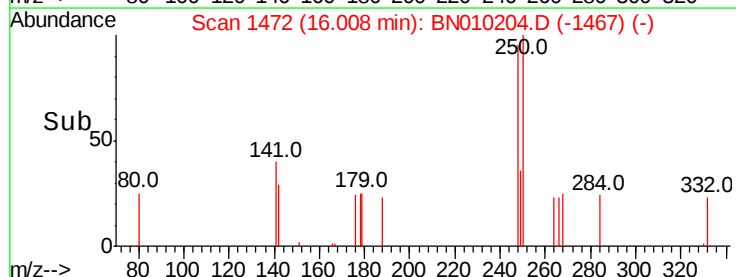
141 67.7 57.8 86.6

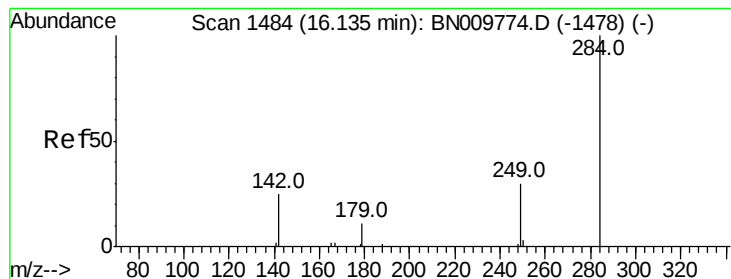


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.09 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

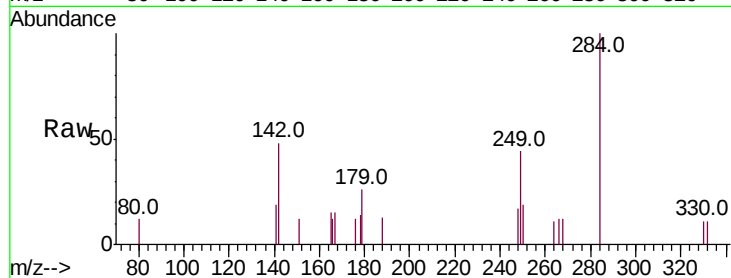
Tot Ion:284 Resp: 734

Ion Ratio Lower Upper

284 100

142 43.6 33.3 49.9

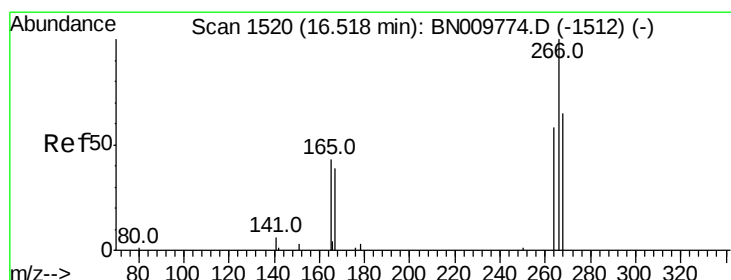
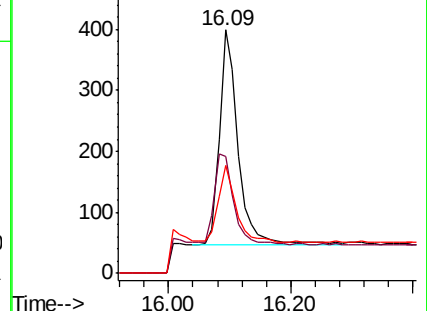
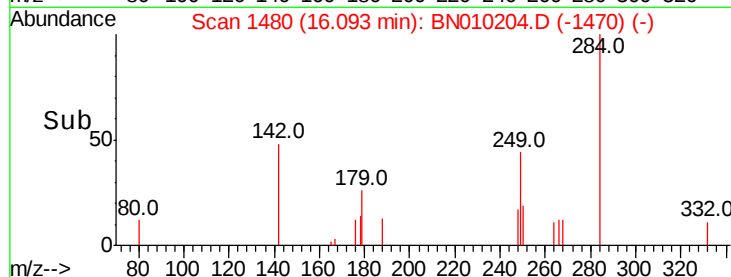
249 33.7 25.7 38.5



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: 0.447 ng

RT: 16.49 min Scan# 1517

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

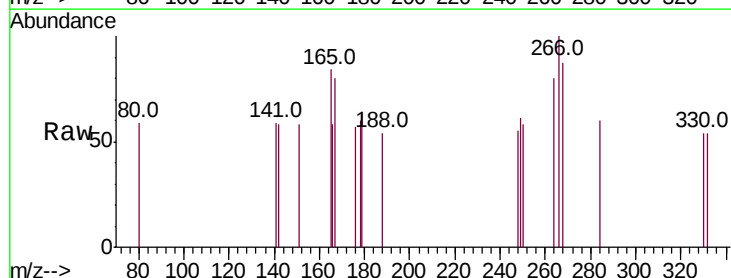
Tgt Ion:266 Resp: 159

Ion Ratio Lower Upper

266 100

264 79.5 58.1 87.1

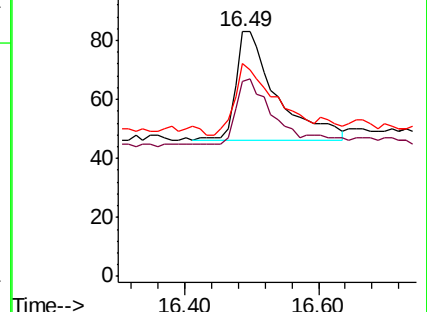
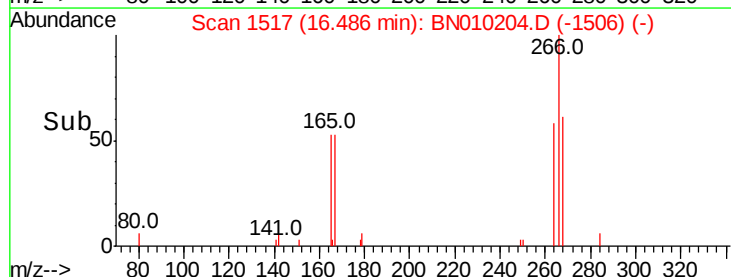
268 86.7 65.7 98.5

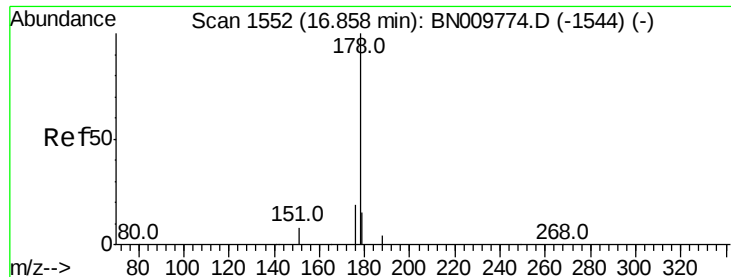


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.367 ng

RT: 16.83 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

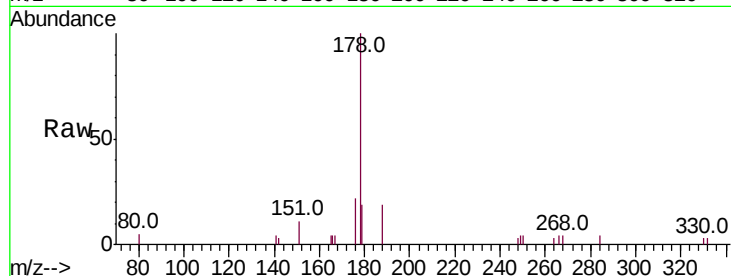
Tot Ion:178 Resp: 3101

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

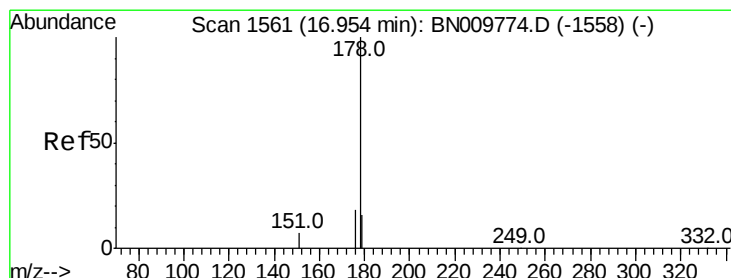
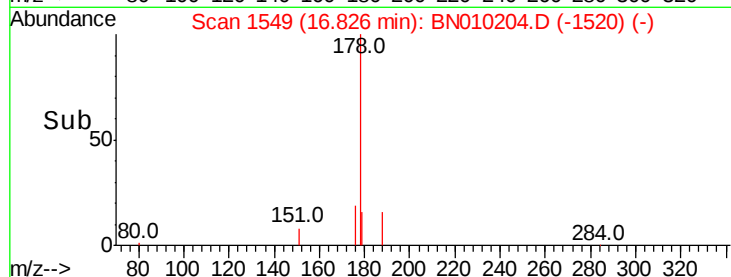
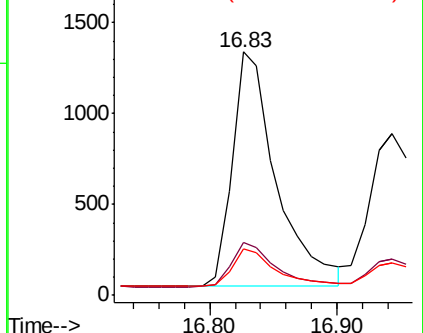
179 16.0 12.4 18.6



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: 0.368 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

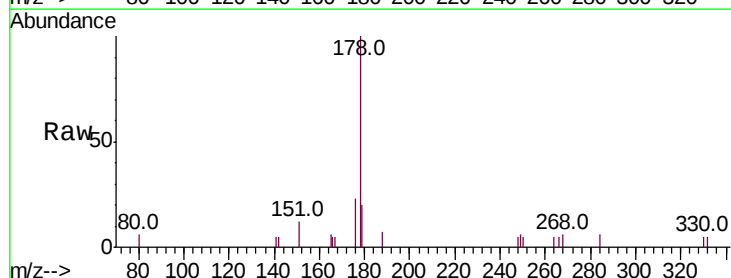
Tgt Ion:178 Resp: 2626

Ion Ratio Lower Upper

178 100

176 17.5 14.3 21.5

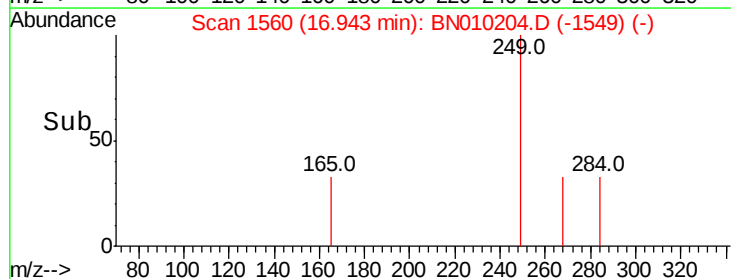
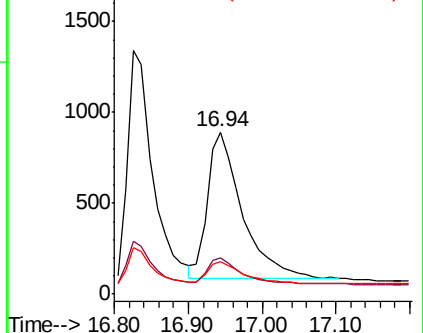
179 15.0 12.4 18.6

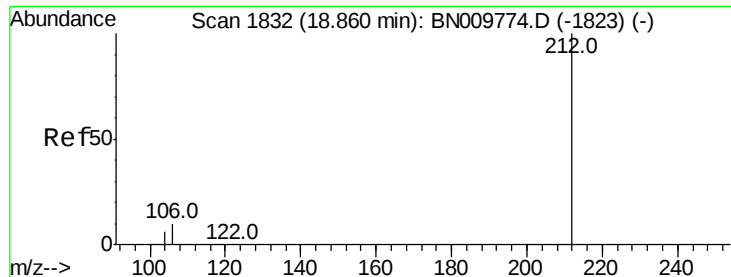


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 18.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

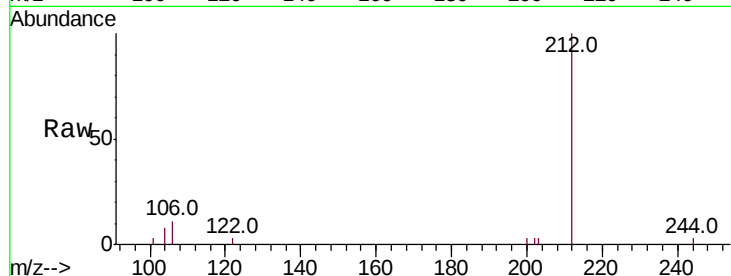
Tot Ion:212 Resp: 3875

Ion Ratio Lower Upper

212 100

106 9.0 8.4 12.6

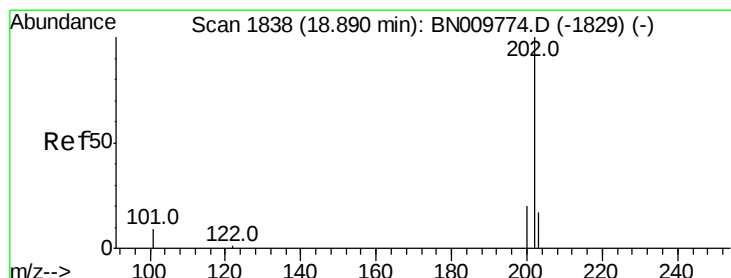
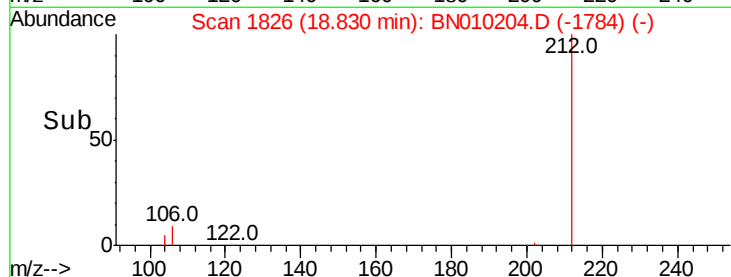
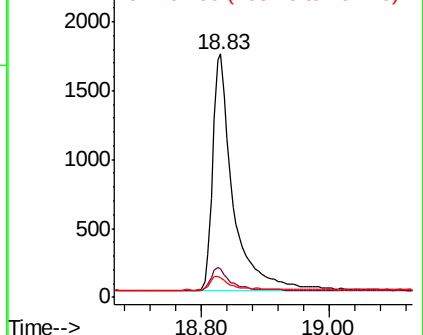
104 5.3 4.8 7.2



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: 0.391 ng

RT: 18.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

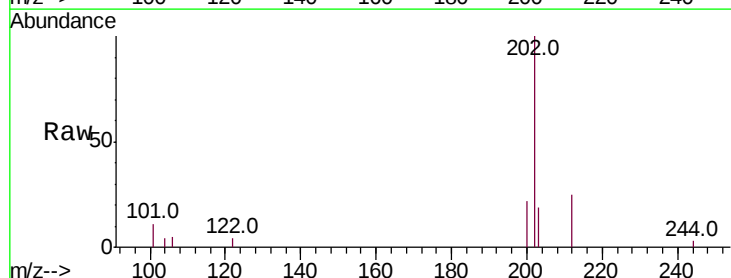
Tgt Ion:202 Resp: 3959

Ion Ratio Lower Upper

202 100

101 8.4 7.1 10.7

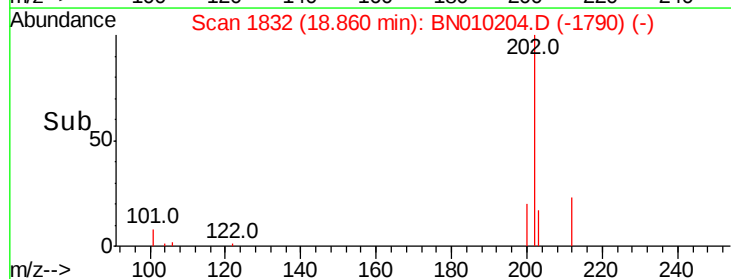
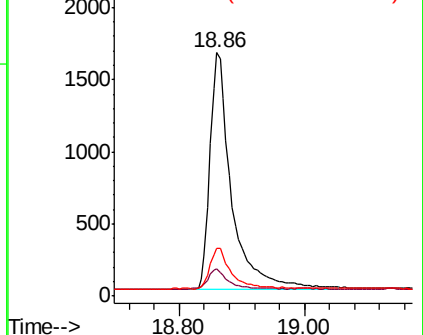
203 16.6 13.8 20.6

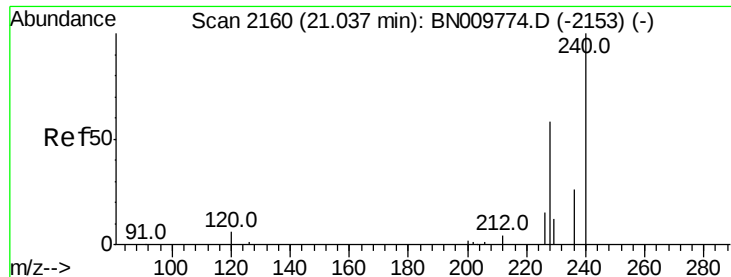


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.00 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

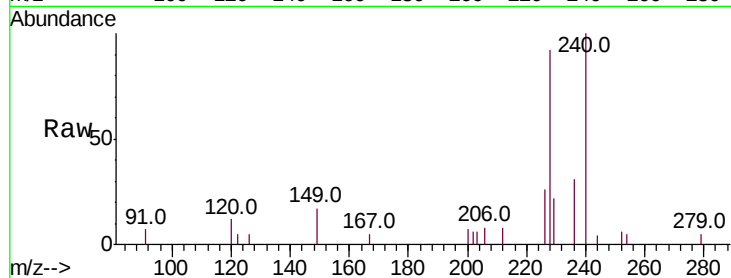
Tot Ion:240 Resp: 2599

Ion Ratio Lower Upper

240 100

120 11.9 7.9 11.9#

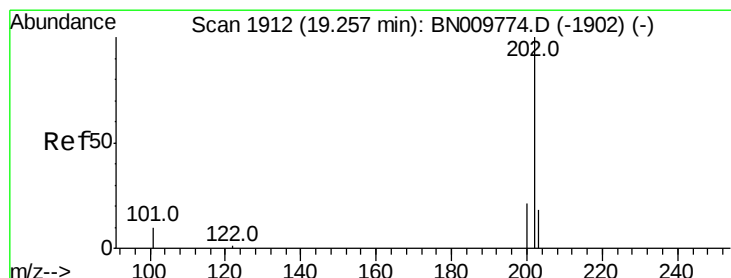
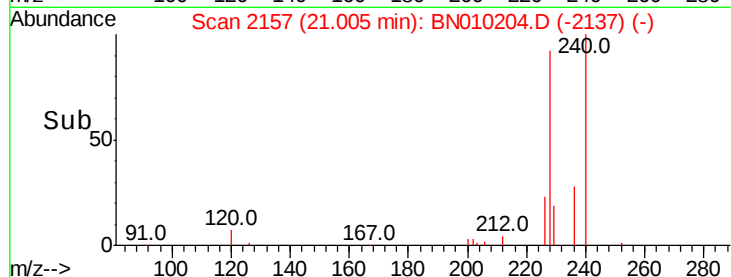
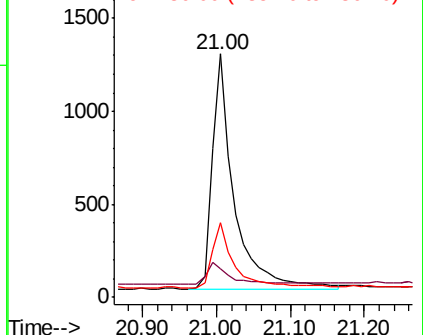
236 30.6 22.0 33.0



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: 0.408 ng

RT: 19.23 min Scan# 1906

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

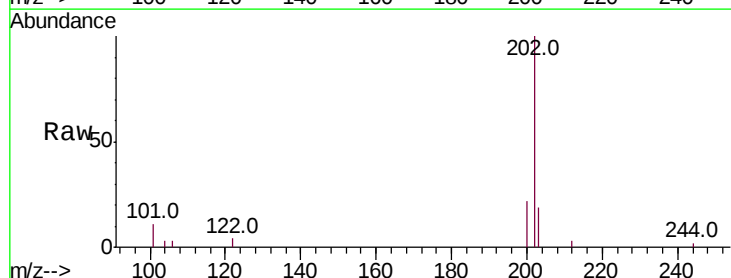
Tgt Ion:202 Resp: 4029

Ion Ratio Lower Upper

202 100

200 20.2 16.4 24.6

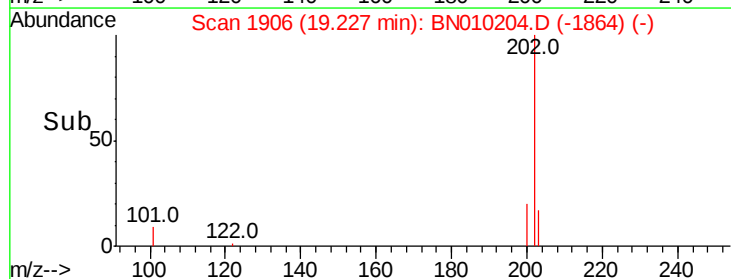
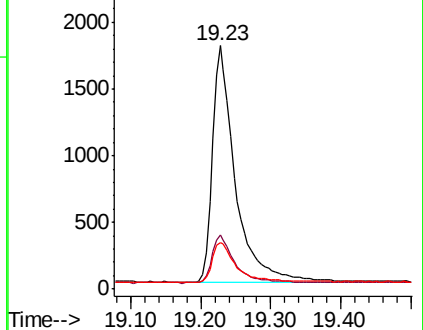
203 17.6 13.9 20.9

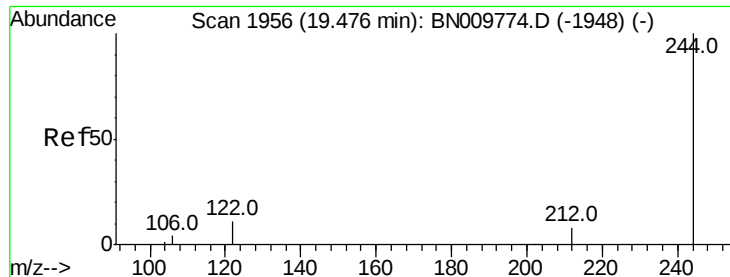


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.45 min Scan# 1950

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

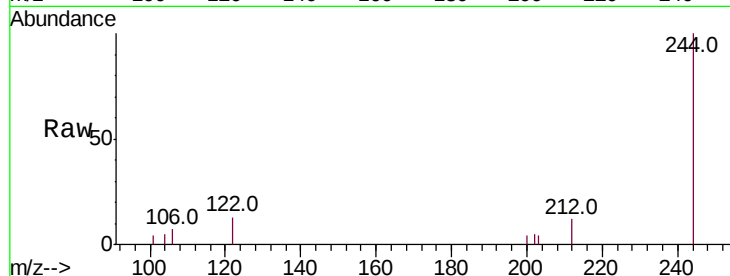
Tot Ion:244 Resp: 2687

Ion Ratio Lower Upper

244 100

212 12.1 8.0 12.0#

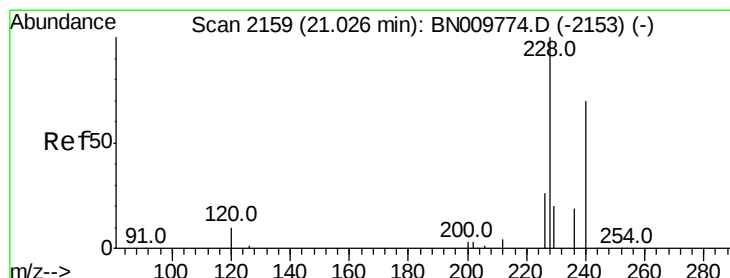
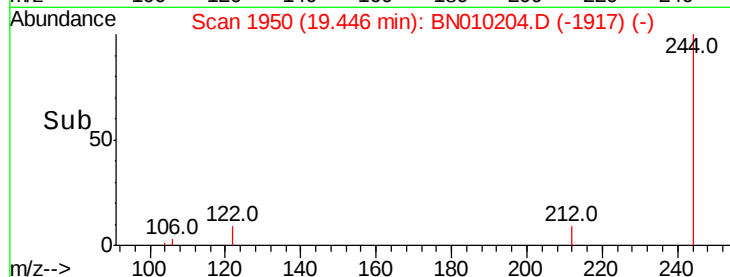
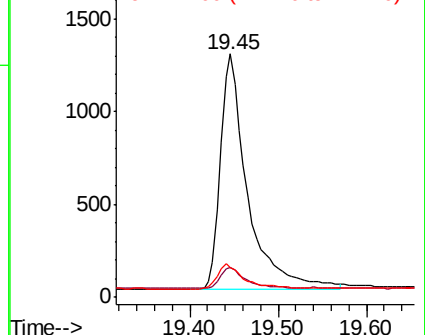
122 12.5 10.0 15.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.333 ng

RT: 20.99 min Scan# 2156

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

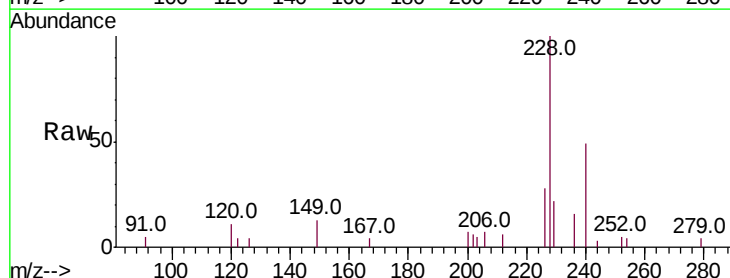
Tgt Ion:228 Resp: 2875

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

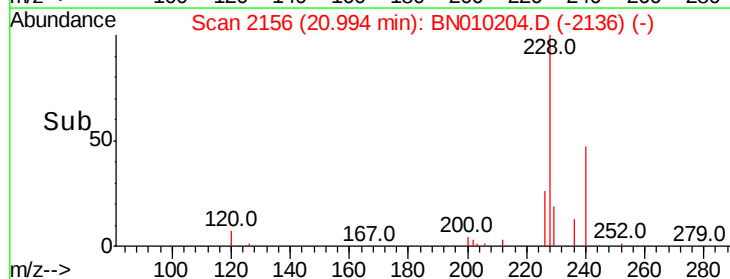
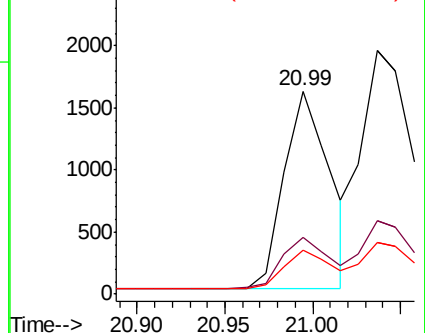
229 21.6 17.1 25.7

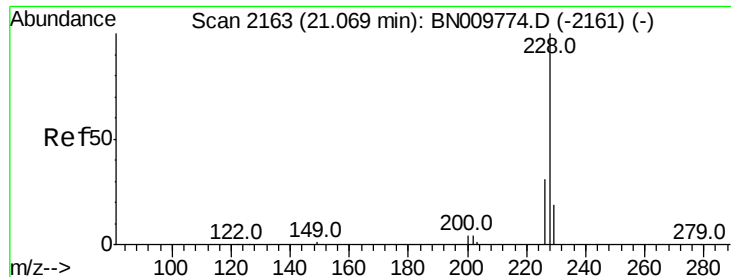


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.444 ng

RT: 21.04 min Scan# 2160

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

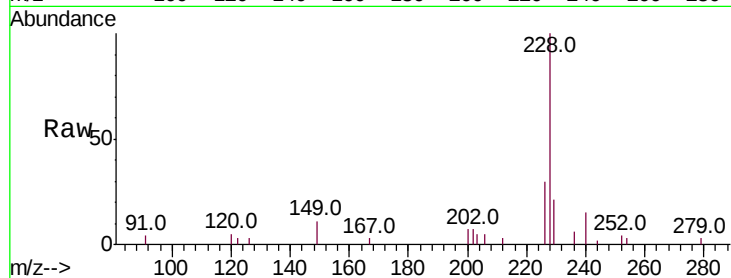
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 4435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.1  | 24.8  | 37.2  |
| 229 | 21.1  | 16.4  | 24.6  |

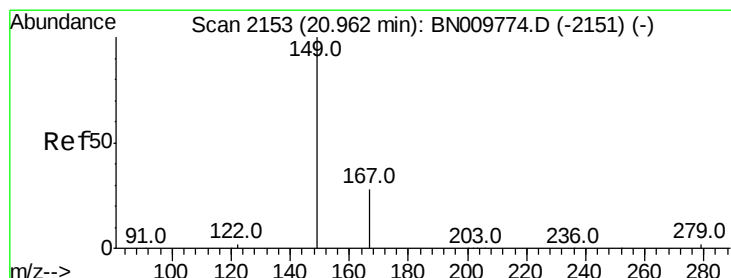
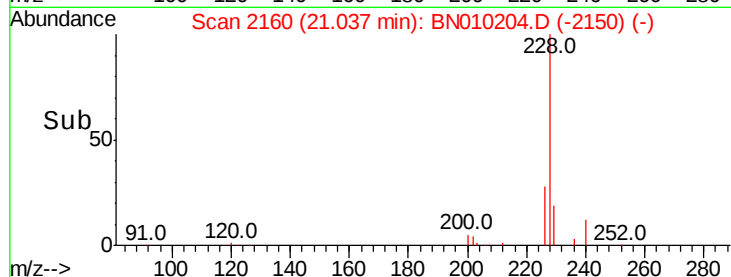
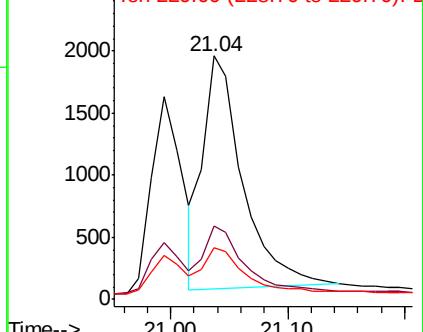


Abundance

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: 0.388 ng

RT: 20.92 min Scan# 2149

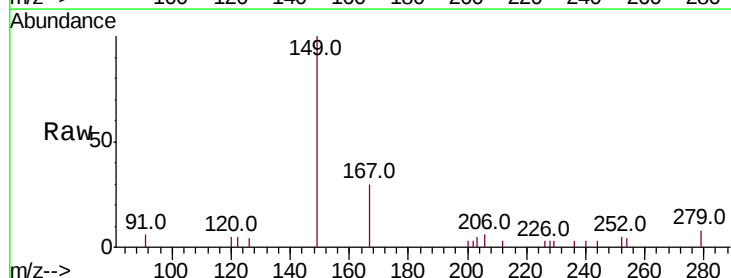
Delta R.T. 0.00 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Tgt Ion:149 Resp: 1633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.8  | 22.7  | 34.1  |
| 279 | 3.9   | 3.1   | 4.7   |

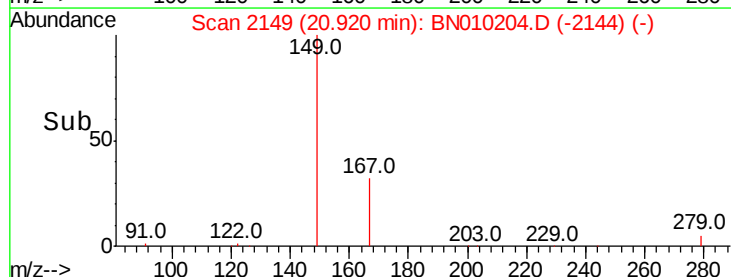
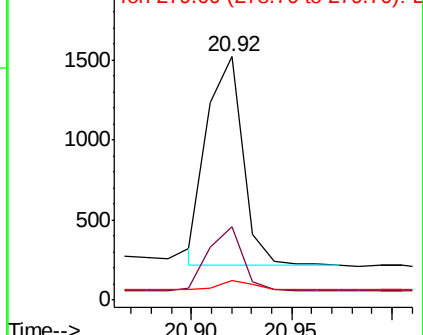


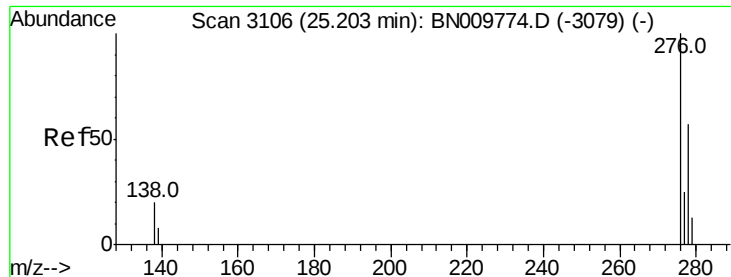
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

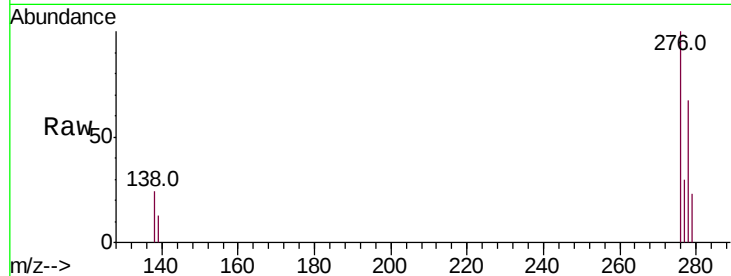




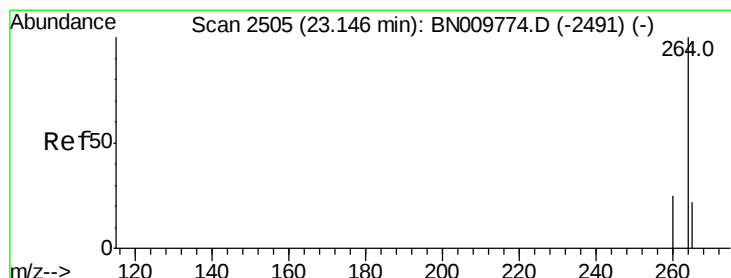
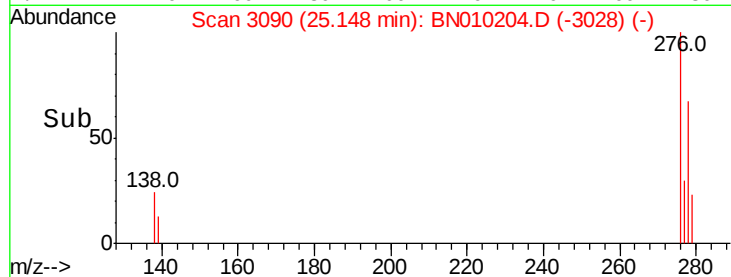
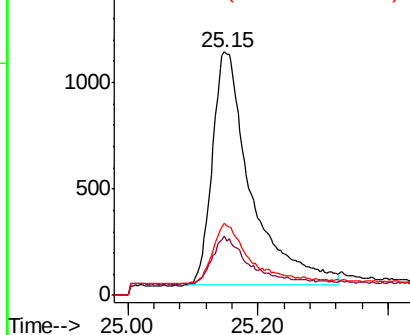
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.434 ng  
 RT: 25.15 min Scan# 3090  
 Delta R.T. 0.01 min  
 Lab File: BN010204.D  
 Acq: 11 Mar 2020 22:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Tot Ion:276 Resp: 4509  
 Ion Ratio Lower Upper  
 276 100  
 138 18.2 15.8 23.6  
 277 22.5 19.3 28.9

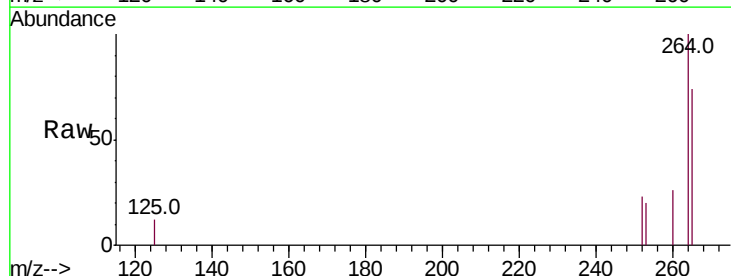


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

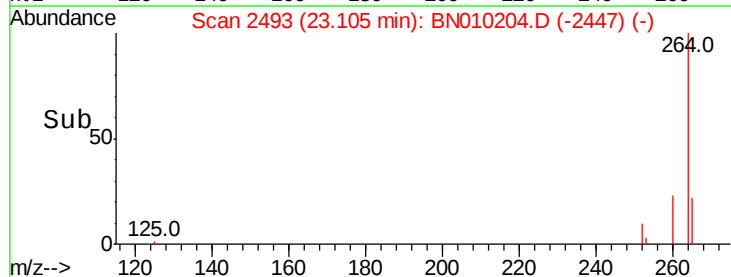
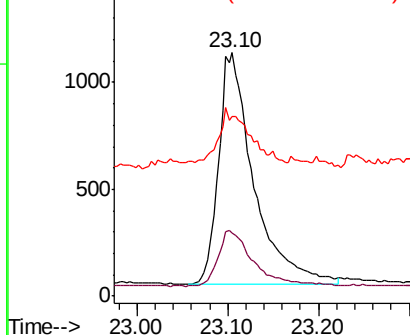


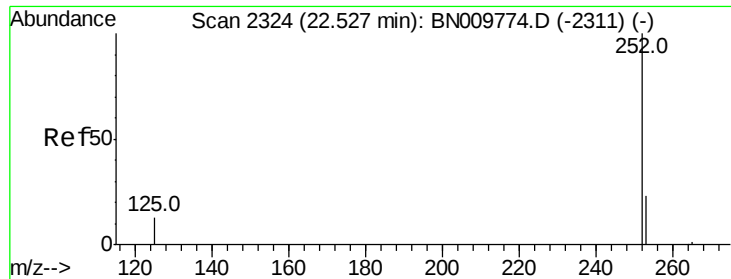
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.10 min Scan# 2493  
 Delta R.T. 0.01 min  
 Lab File: BN010204.D  
 Acq: 11 Mar 2020 22:22

Tgt Ion:264 Resp: 2898  
 Ion Ratio Lower Upper  
 264 100  
 260 26.1 21.1 31.7  
 265 73.9 57.5 86.3



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: 0.356 ng

RT: 22.49 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

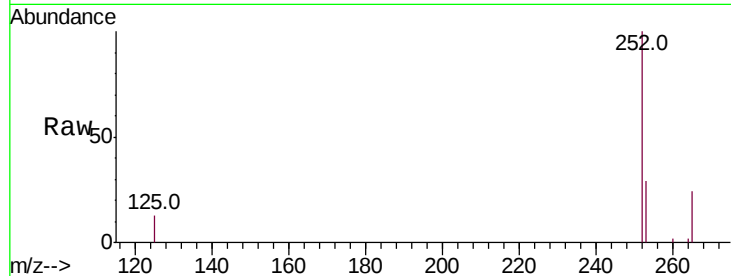
Tot Ion:252 Resp: 3775

Ion Ratio Lower Upper

252 100

253 29.3 23.0 34.6

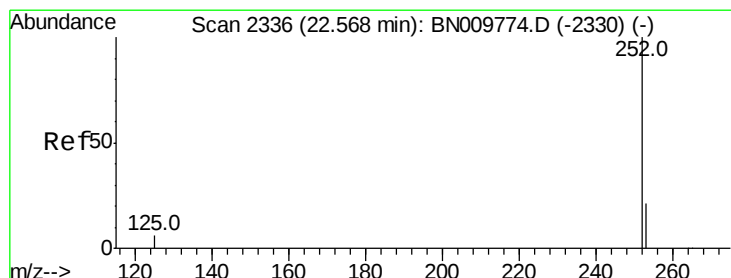
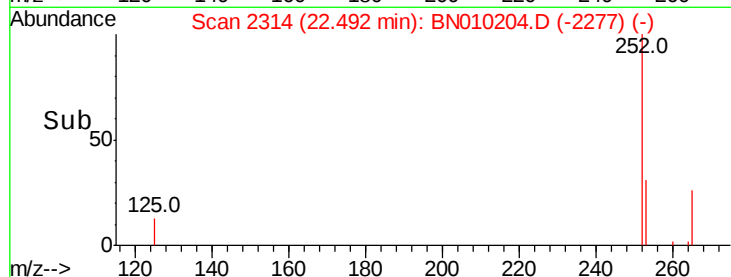
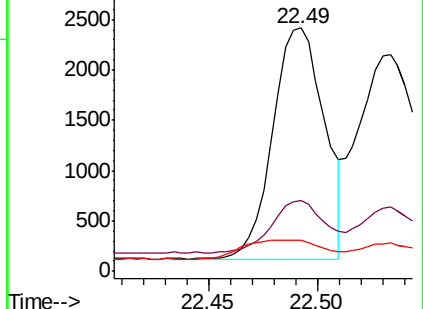
125 12.6 14.4 21.6#



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



#36

Benzo(k)fluoranthene

Concen: 0.406 ng

RT: 22.53 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

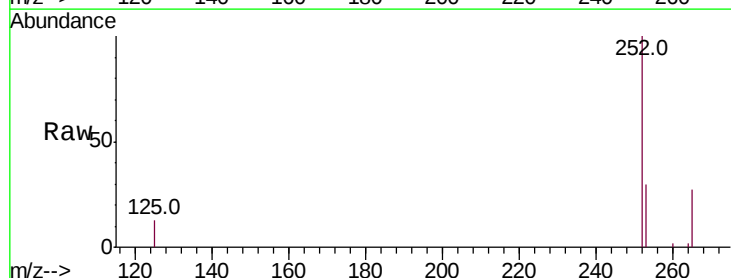
Tgt Ion:252 Resp: 4684

Ion Ratio Lower Upper

252 100

253 29.6 22.2 33.2

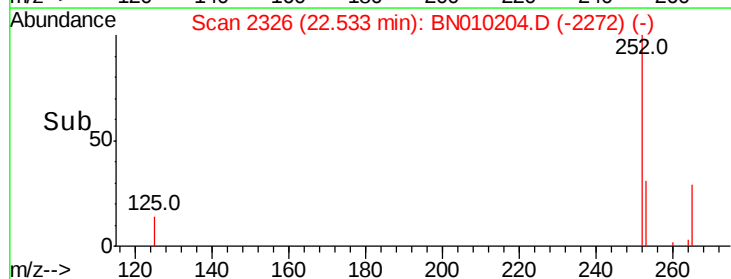
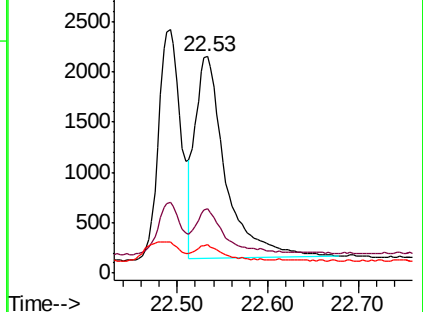
125 13.1 10.5 15.7

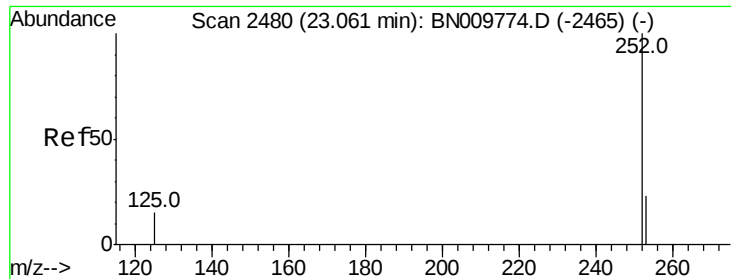


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.02 min Scan# 2469

Delta R.T. 0.01 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

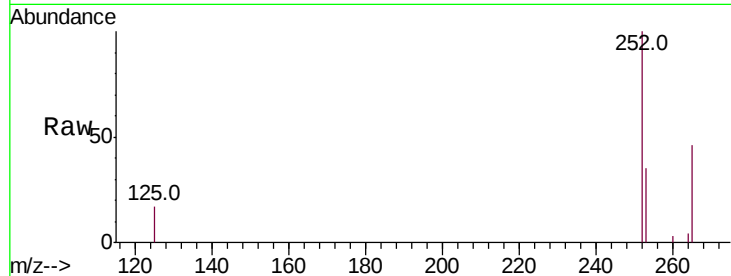
Tot Ion:252 Resp: 3897

Ion Ratio Lower Upper

252 100

253 35.1 25.3 37.9

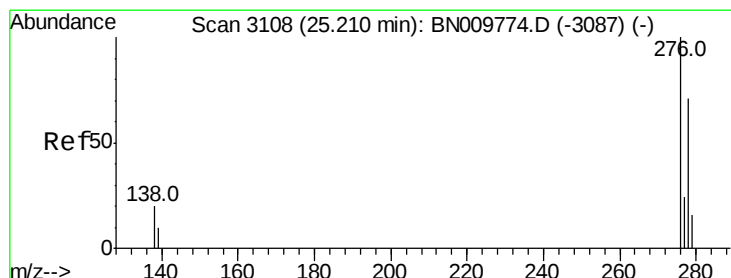
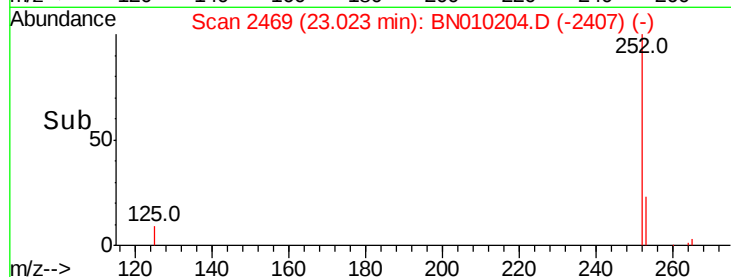
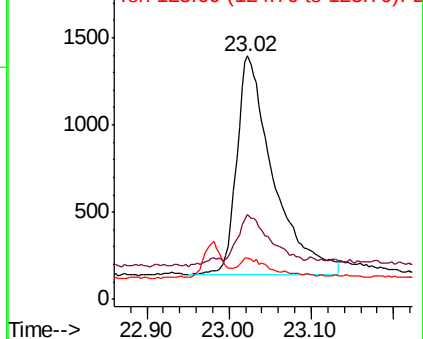
125 16.9 17.7 26.5#



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: 0.369 ng

RT: 25.16 min Scan# 3093

Delta R.T. 0.03 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

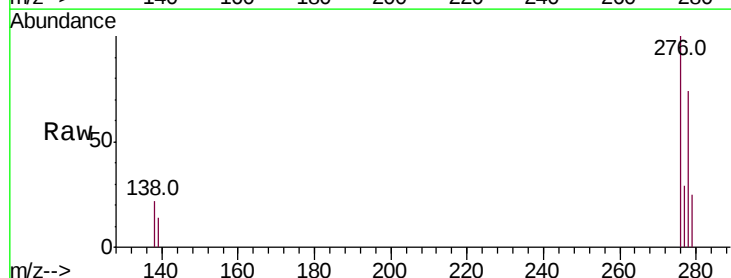
Tgt Ion:278 Resp: 3508

Ion Ratio Lower Upper

278 100

139 19.1 14.5 21.7

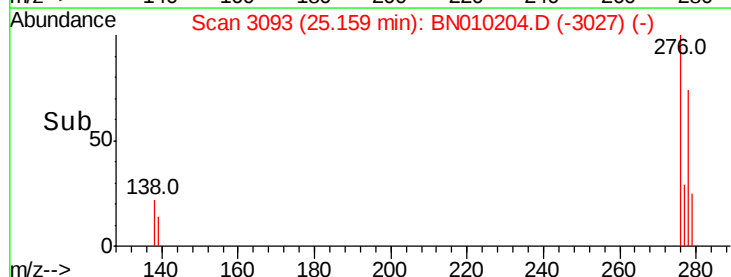
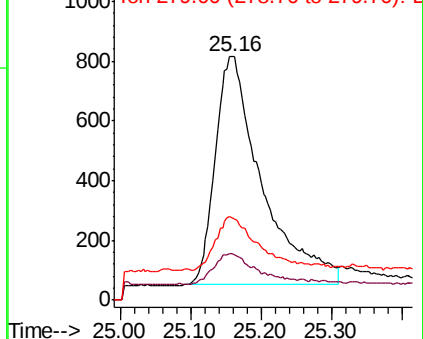
279 33.9 24.3 36.5

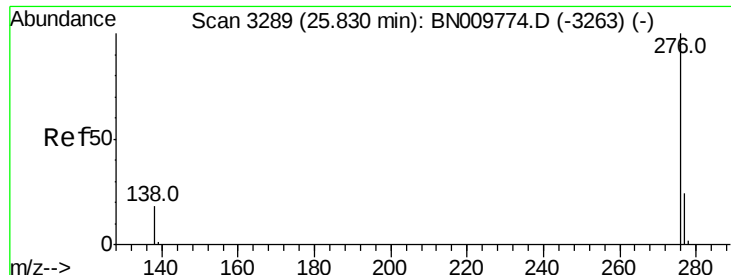


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.424 ng

RT: 25.77 min Scan# 3273

Delta R.T. 0.02 min

Lab File: BN010204.D

Acq: 11 Mar 2020 22:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

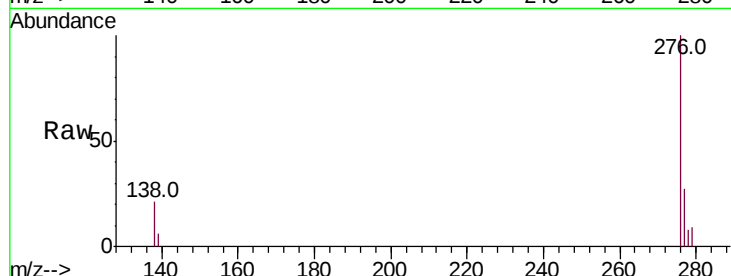
Tot Ion:276 Resp: 4298

Ion Ratio Lower Upper

276 100

277 27.4 21.4 32.0

138 20.7 16.6 24.8



Abundance Ion 276.00 (275.70 to 276.70): E

1500 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

