

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120919\  
 Data File : BN008893.D  
 Acq On : 09 Dec 2019 15:06  
 Operator : JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Dec 09 15:40:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 09 15:08:19 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 2762     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.32 | 136  | 11669    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.18 | 164  | 8241     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.93 | 188  | 18274    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.13 | 240  | 20419    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.28 | 264  | 21354    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.20  | 112 | 11185 | 1.50 | ng | 0.00 |
| 5) Phenol-d6                | 6.75  | 99  | 15789 | 1.55 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.69  | 82  | 16154 | 1.57 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.91 | 152 | 32322 | 1.67 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.68 | 330 | 6443  | 1.44 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.81 | 172 | 50771 | 1.64 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.97 | 212 | 90939 | 1.64 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.58 | 244 | 75030 | 1.60 | ng | 0.00 |

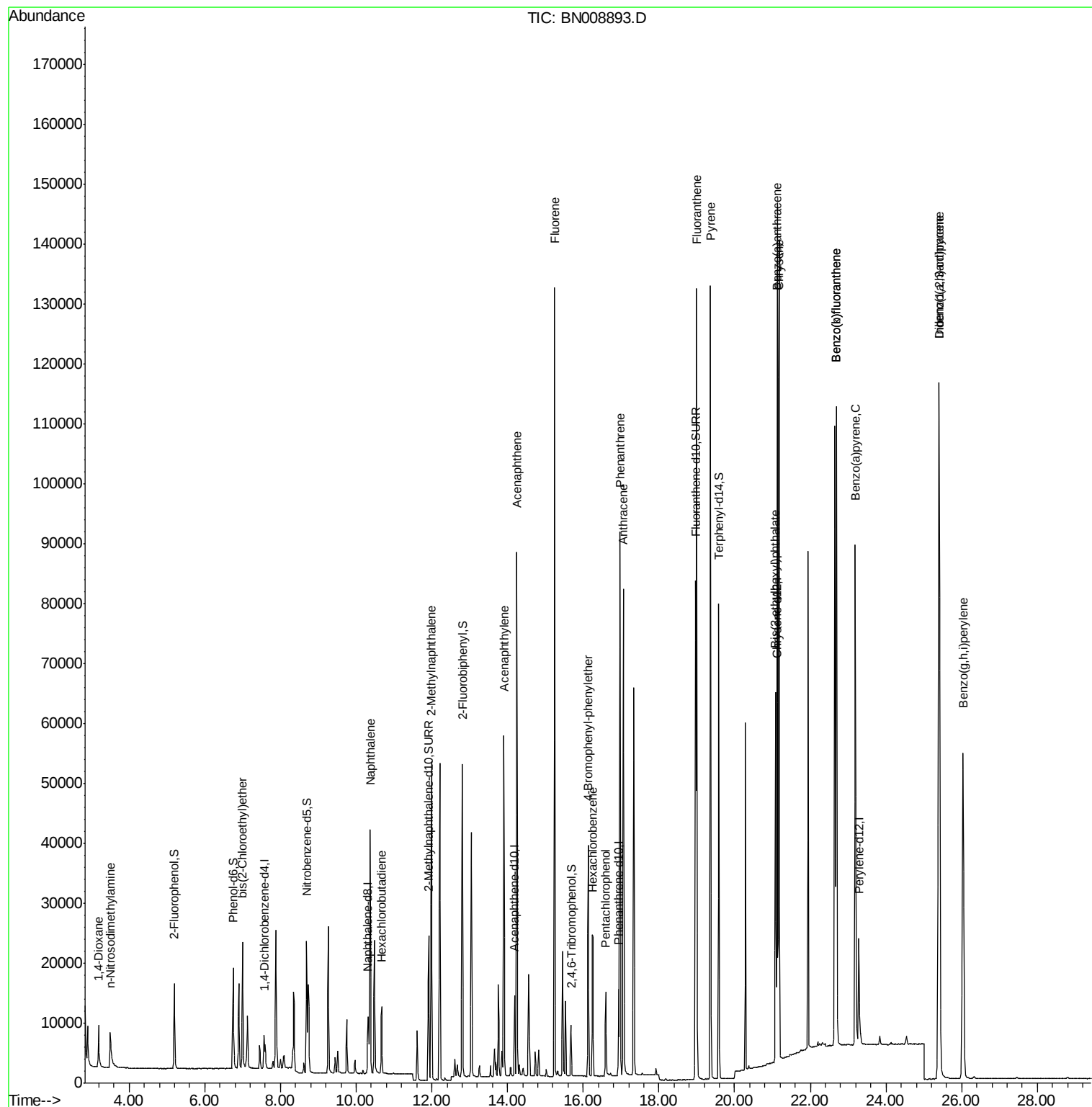
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 4313   | 1.626  | ng | 99   |
| 3) n-Nitrosodimethylamine      | 3.50  | 42  | 6076   | 1.657  | ng | # 99 |
| 6) bis(2-Chloroethyl)ether     | 7.00  | 93  | 14450  | 1.577  | ng | 97   |
| 9) Naphthalene                 | 10.37 | 128 | 51104  | 1.642  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.67 | 225 | 9747   | 1.589  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.99 | 142 | 38255  | 1.668  | ng | 100  |
| 16) Acenaphthylene             | 13.90 | 152 | 61593  | 1.602  | ng | 100  |
| 17) Acenaphthene               | 14.25 | 154 | 40313  | 1.653  | ng | 99   |
| 18) Fluorene                   | 15.24 | 166 | 53989  | 1.669  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.14 | 248 | 17736  | 1.658  | ng | 98   |
| 21) Hexachlorobenzene          | 16.25 | 284 | 20049  | 1.624  | ng | 99   |
| 22) Pentachlorophenol          | 16.59 | 266 | 7244   | 1.465  | ng | 99   |
| 23) Phenanthrene               | 16.97 | 178 | 93335  | 1.673  | ng | 100  |
| 24) Anthracene                 | 17.06 | 178 | 83162  | 1.624  | ng | 100  |
| 26) Fluoranthene               | 19.00 | 202 | 114210 | 1.700  | ng | 100  |
| 28) Pyrene                     | 19.36 | 202 | 113540 | 1.594  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.12 | 228 | 117992 | 1.599  | ng | 100  |
| 31) Chrysene                   | 21.17 | 228 | 120123 | 1.677  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 50467  | 1.026  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.39 | 276 | 130556 | 1.476  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 22.69 | 252 | 124444 | 1.755  | ng | 95   |
| 36) Benzo(k)fluoranthene       | 22.69 | 252 | 124444 | 1.786  | ng | # 95 |
| 37) Benzo(a)pyrene             | 23.19 | 252 | 111731 | 1.670  | ng | # 94 |
| 38) Dibenzo(a,h)anthracene     | 25.41 | 278 | 106004 | 1.552  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 26.03 | 276 | 103704 | 1.499  | 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 : Mon Dec 09 15:08:19 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 588

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

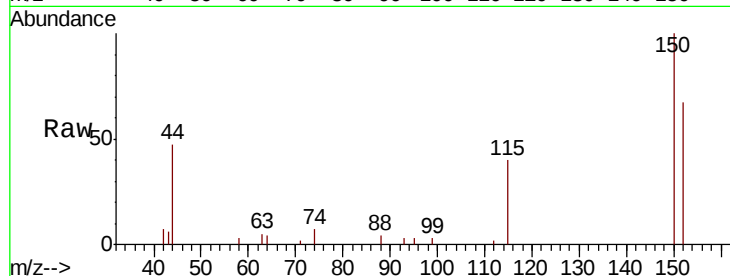
Tot Ion:152 Resp: 2762

Ion Ratio Lower Upper

152 100

150 149.8 122.3 183.5

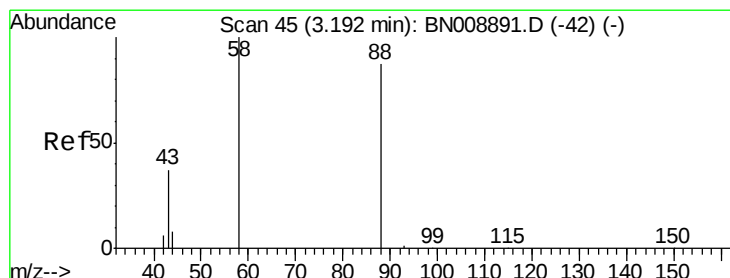
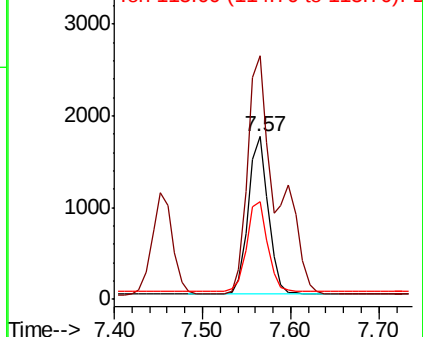
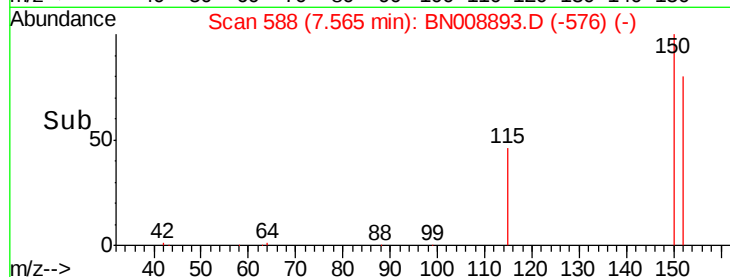
115 60.1 48.4 72.6



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: 1.626 ng

RT: 3.19 min Scan# 45

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

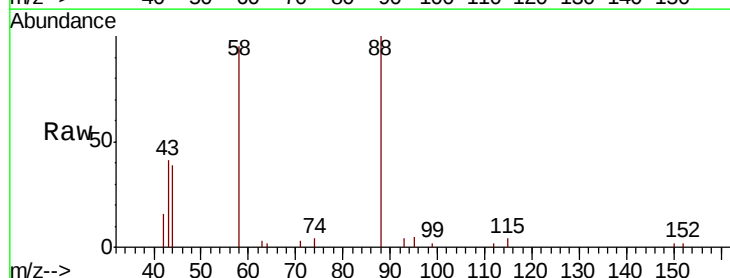
Tgt Ion: 88 Resp: 4313

Ion Ratio Lower Upper

88 100

58 108.7 88.6 132.8

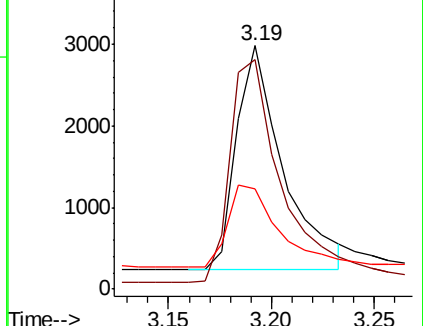
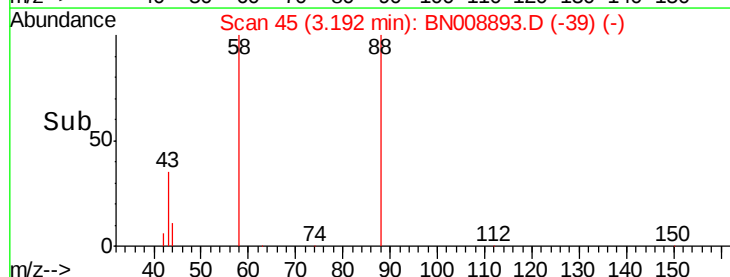
43 39.7 31.8 47.8



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



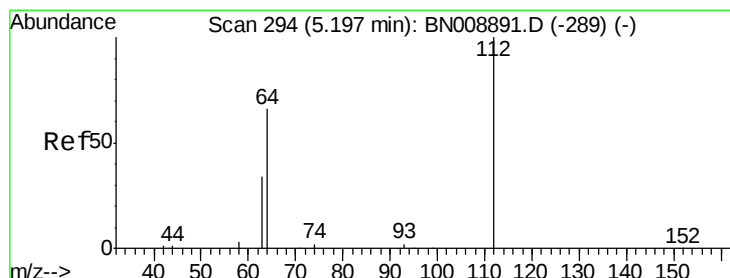
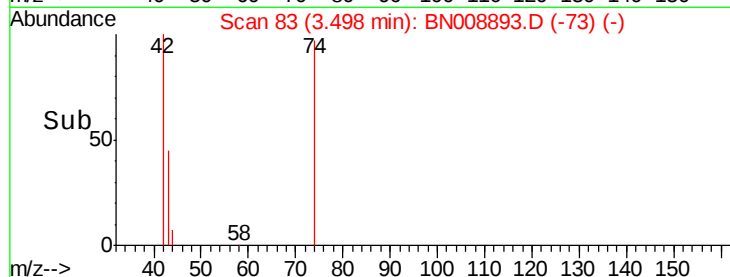
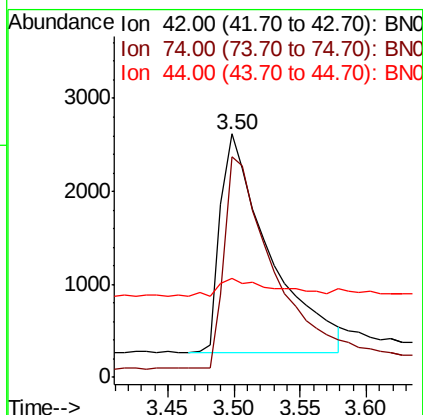
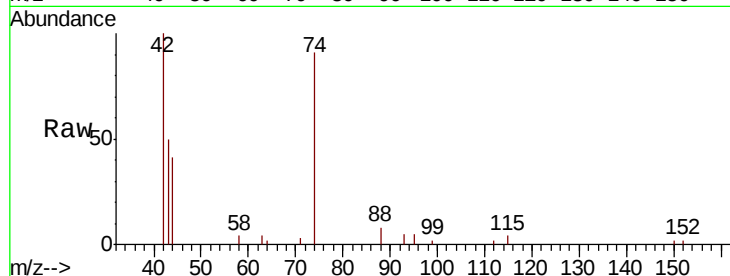


#3

n-Nitrosodimethylamine  
 Concen: 1.657 ng  
 RT: 3.50 min Scan# 83  
 Delta R.T. -0.02 min  
 Lab File: BN008893.D  
 Acq: 09 Dec 2019 15:06

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

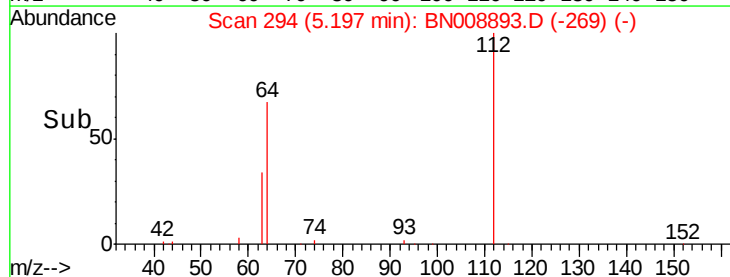
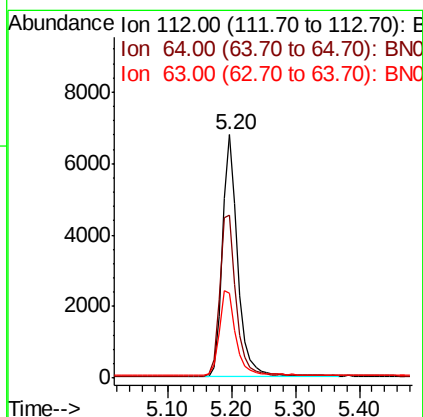
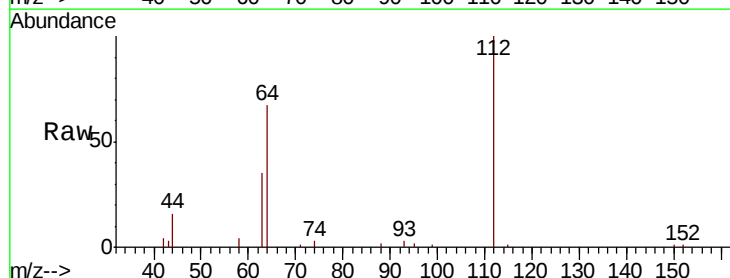
Tot Ion: 42 Resp: 6076  
 Ion Ratio Lower Upper  
 42 100  
 74 99.1 78.6 117.8  
 44 9.6 0.0 0.0#

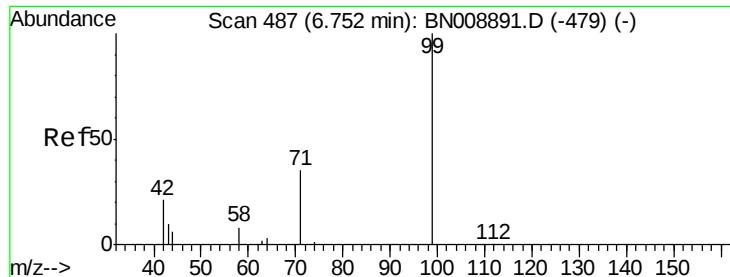


#4

2-Fluorophenol  
 Concen: 1.496 ng  
 RT: 5.20 min Scan# 294  
 Delta R.T. 0.00 min  
 Lab File: BN008893.D  
 Acq: 09 Dec 2019 15:06

Tgt Ion: 112 Resp: 11185  
 Ion Ratio Lower Upper  
 112 100  
 64 71.8 57.7 86.5  
 63 37.6 29.6 44.4





#5

Phenol-d6

Concen: 1.550 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

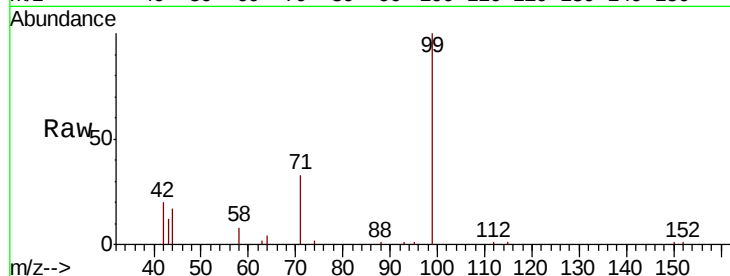
Tot Ion: 99 Resp: 15789

Ion Ratio Lower Upper

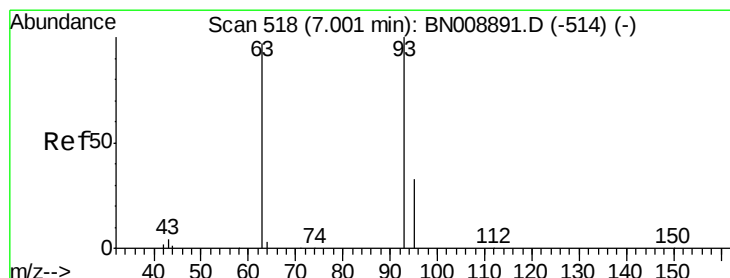
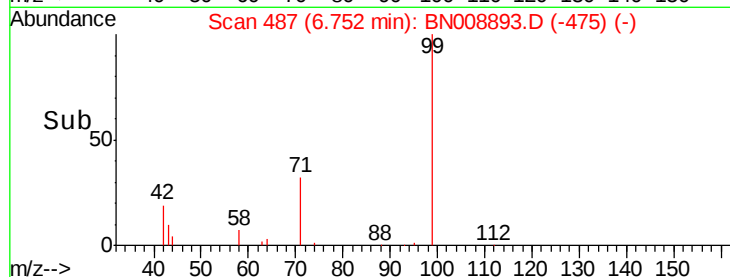
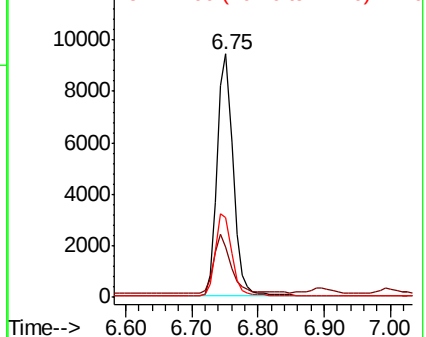
99 100

42 24.7 20.1 30.1

71 34.9 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BNC  
Ion 42.00 (41.70 to 42.70): BNC  
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 1.577 ng

RT: 7.00 min Scan# 518

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

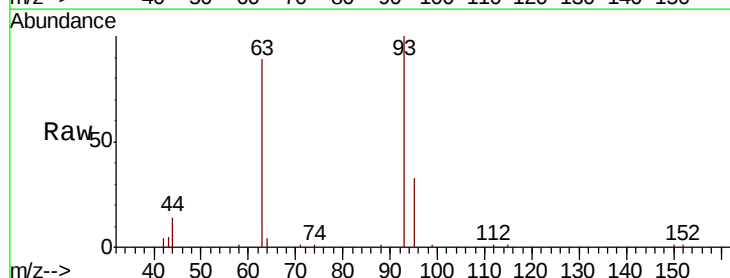
Tgt Ion: 93 Resp: 14450

Ion Ratio Lower Upper

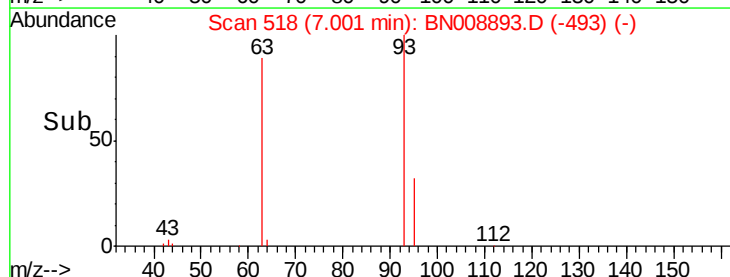
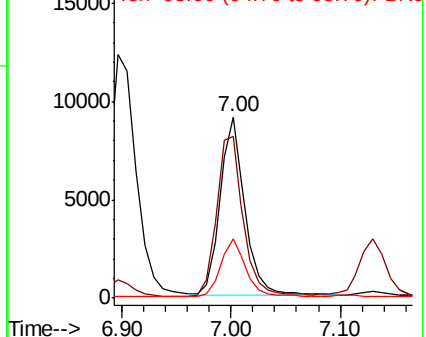
93 100

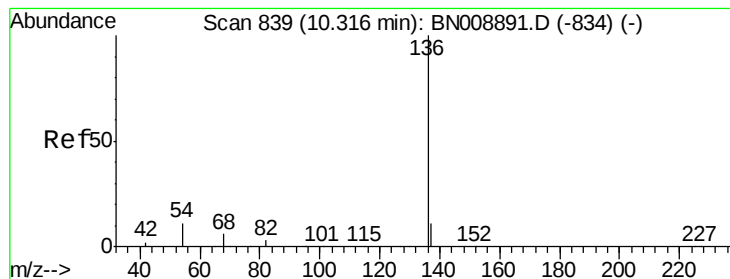
63 96.2 73.5 110.3

95 32.7 26.0 39.0



Abundance Ion 93.00 (92.70 to 93.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

Tot Ion:136 Resp: 11669

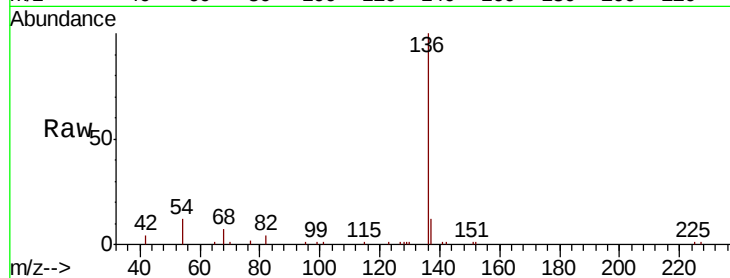
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 11.9 9.6 14.4

68 6.9 5.6 8.4

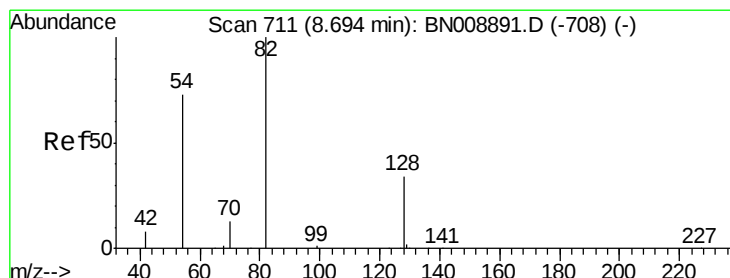
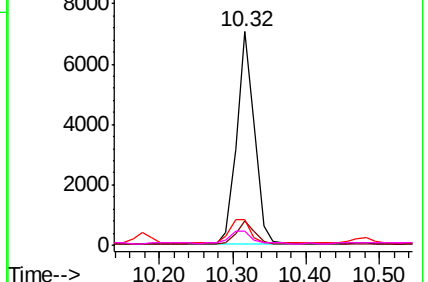
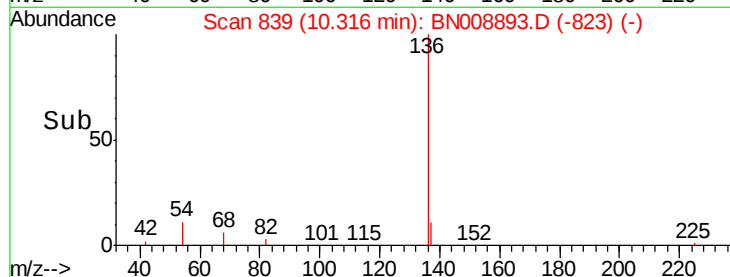


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.569 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

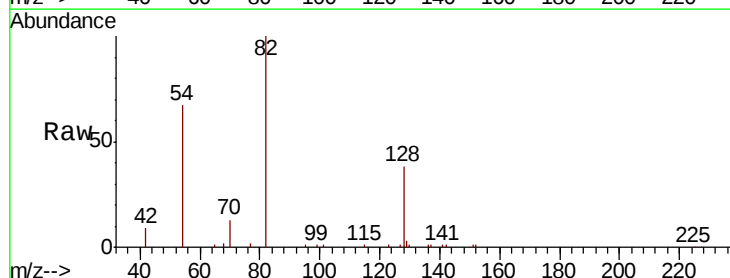
Tgt Ion: 82 Resp: 16154

Ion Ratio Lower Upper

82 100

128 38.3 29.1 43.7

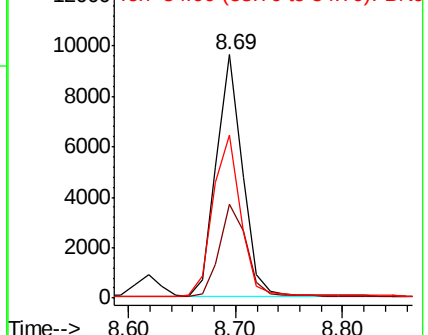
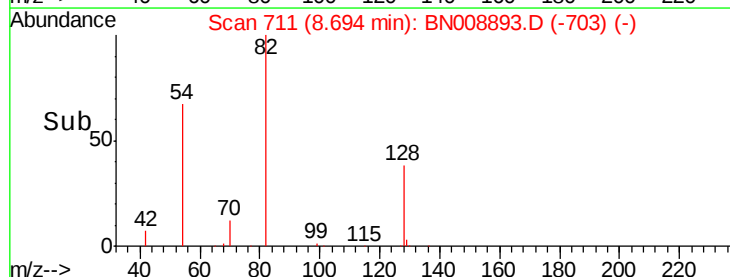
54 66.8 59.7 89.5

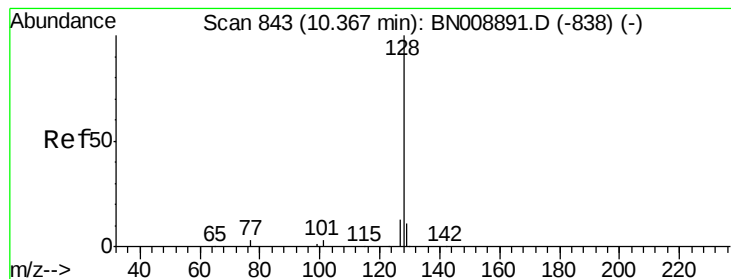


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 1.642 ng

RT: 10.37 min Scan# 843

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

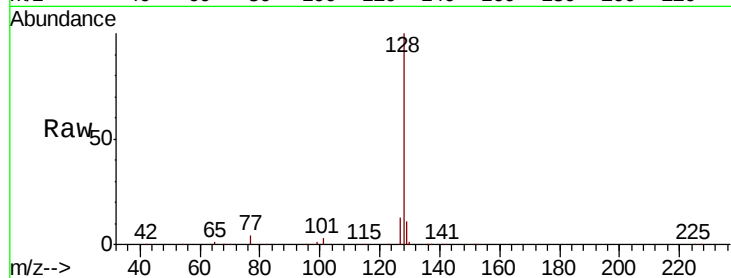
Tot Ion:128 Resp: 51104

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

127 12.9 10.8 16.2

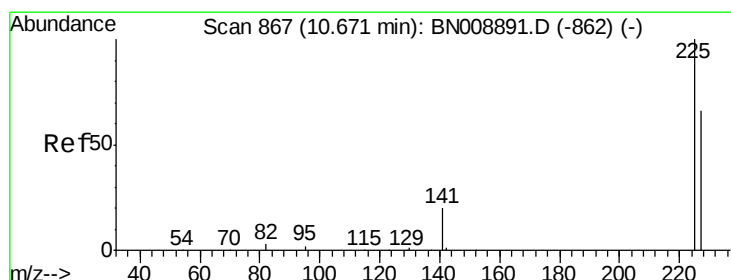
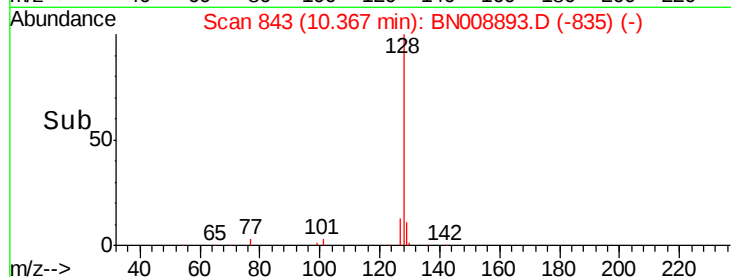
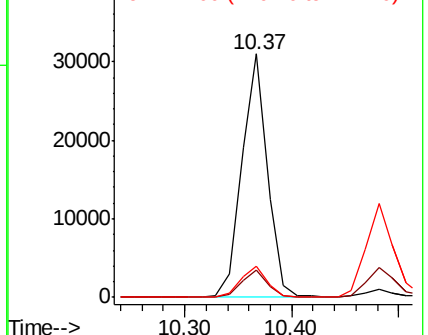


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 1.589 ng

RT: 10.67 min Scan# 867

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

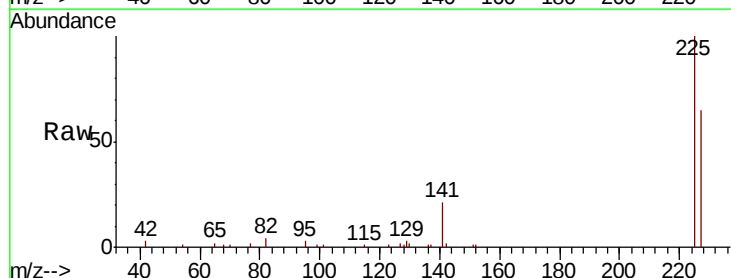
Tgt Ion:225 Resp: 9747

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.7 51.4 77.2

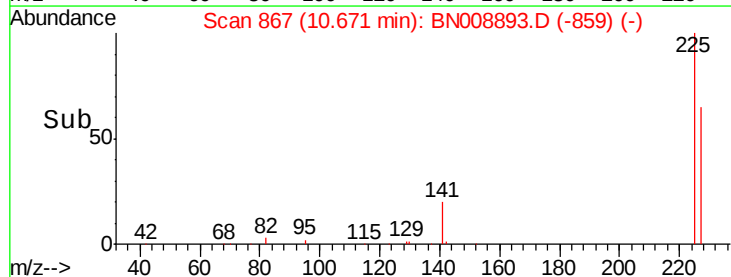
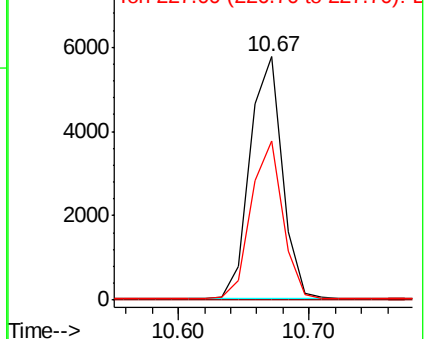


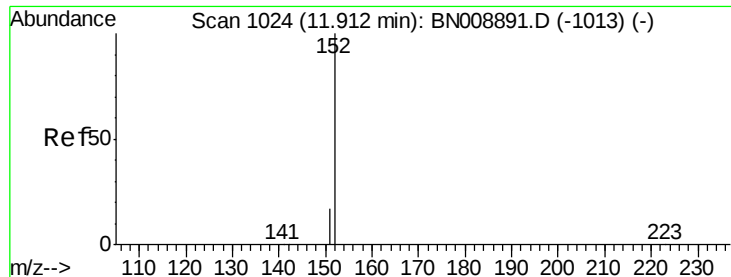
Abundance

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

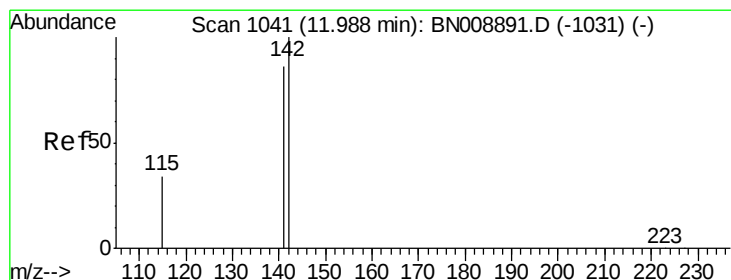
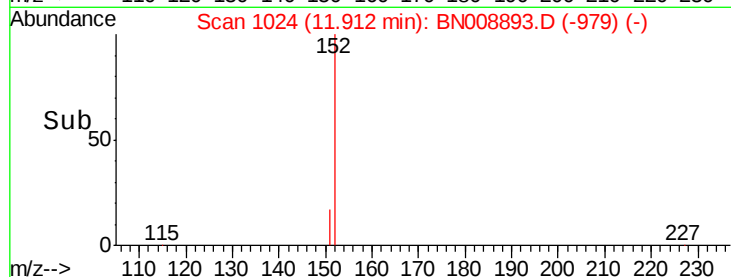
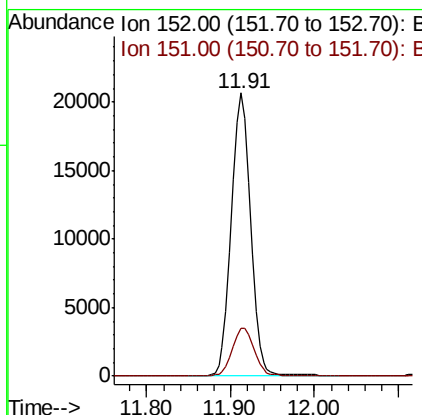
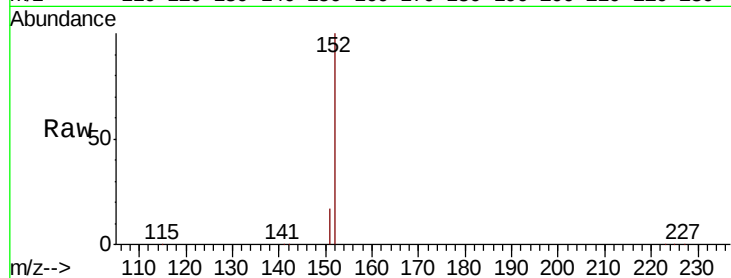




#11  
2-Methylnaphthalene-d10  
Concen: 1.670 ng  
RT: 11.91 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BN008893.D  
Acq: 09 Dec 2019 15:06

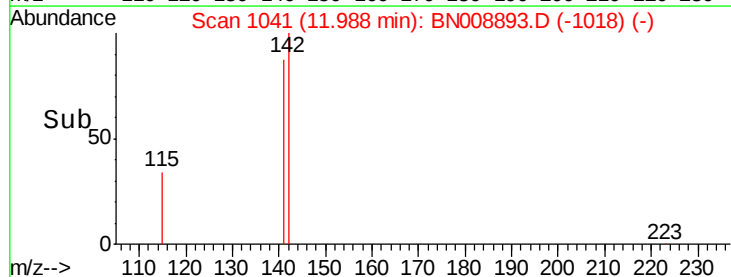
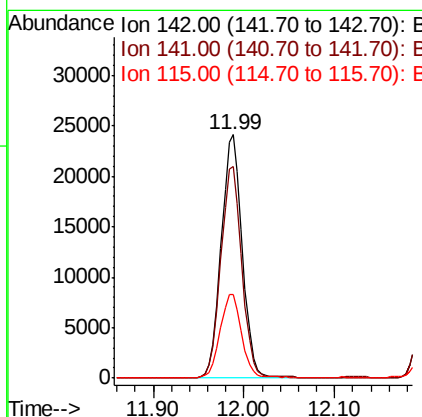
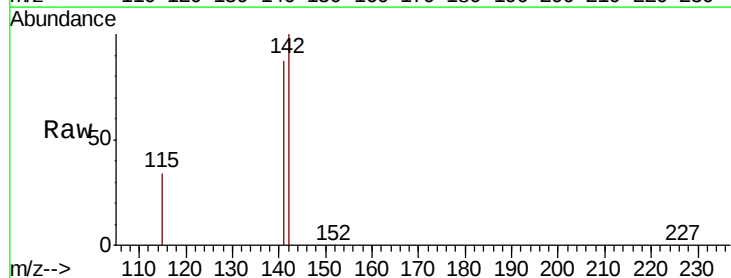
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

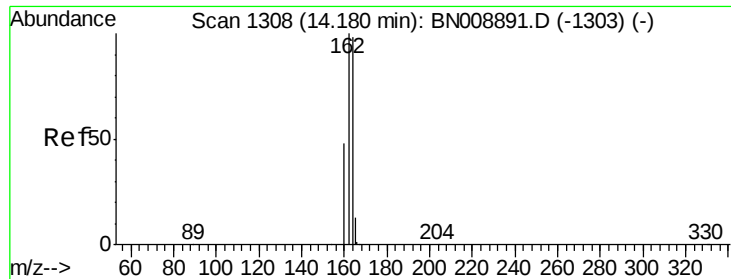
Tot Ion:152 Resp: 32322  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.2 22.8



#12  
2-Methylnaphthalene  
Concen: 1.668 ng  
RT: 11.99 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BN008893.D  
Acq: 09 Dec 2019 15:06

Tgt Ion:142 Resp: 38255  
Ion Ratio Lower Upper  
142 100  
141 86.8 69.3 103.9  
115 34.5 27.9 41.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

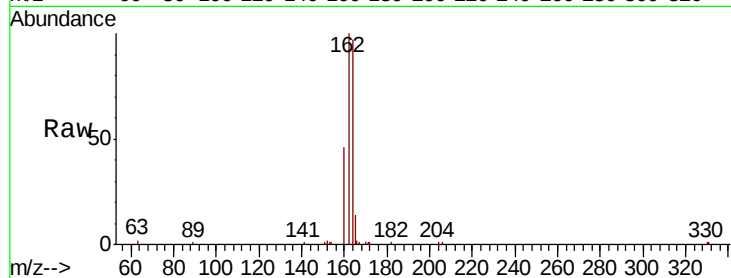
Tot Ion:164 Resp: 8241

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

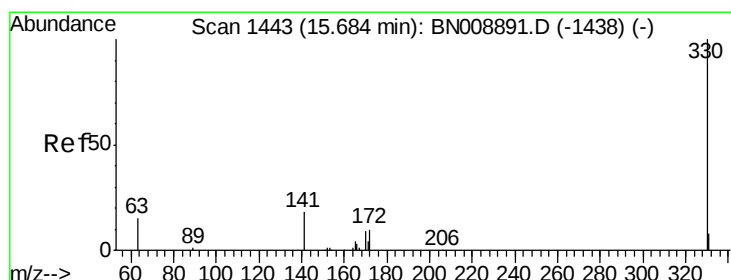
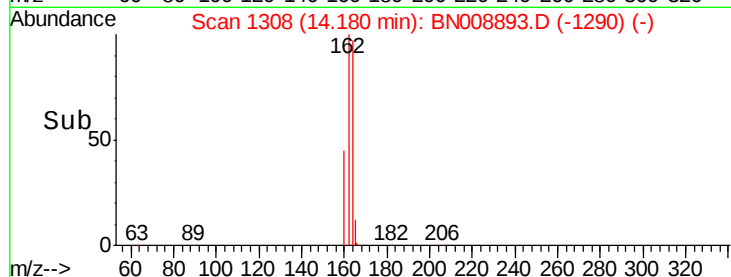
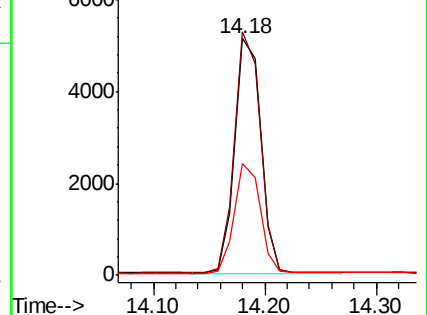
160 47.0 39.3 58.9



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: 1.437 ng

RT: 15.68 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

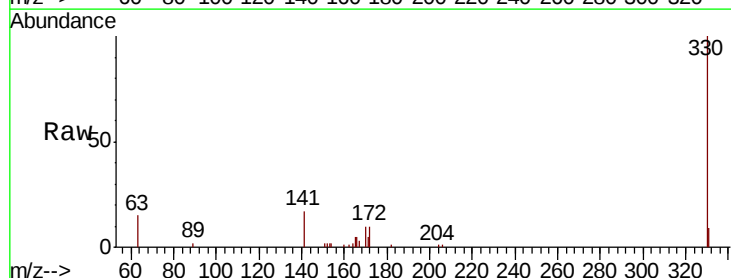
Tgt Ion:330 Resp: 6443

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

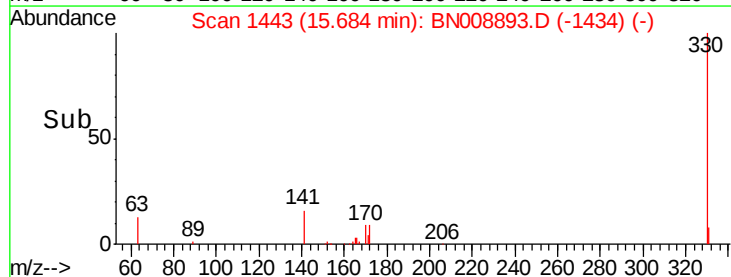
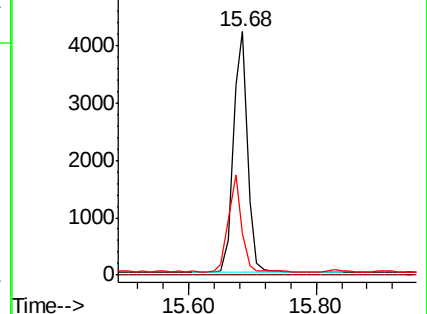
141 36.8 29.6 44.4



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

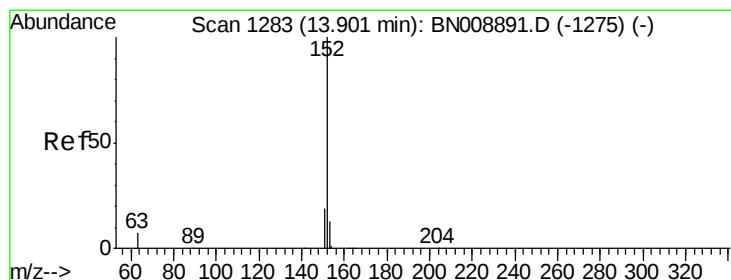
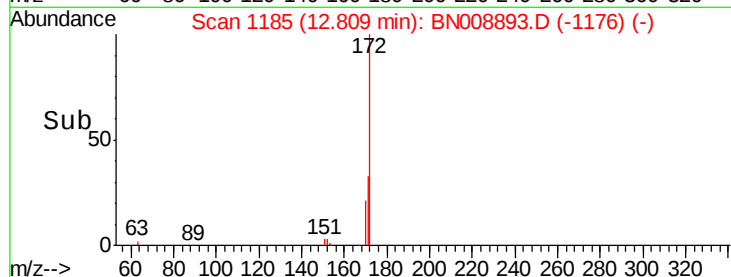
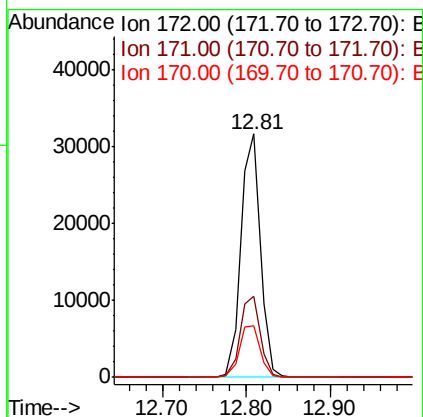
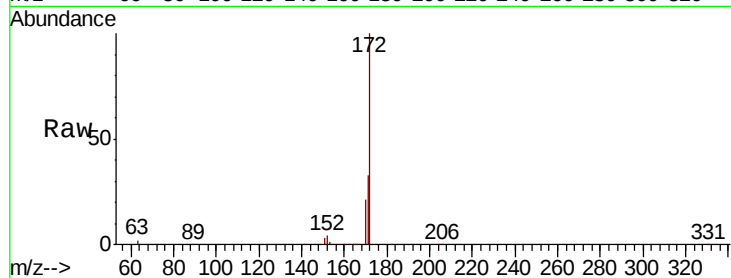




#15  
2-Fluorobiphenyl  
Concen: 1.644 ng  
RT: 12.81 min Scan# 1185  
Delta R.T. 0.00 min  
Lab File: BN008893.D  
Acq: 09 Dec 2019 15:06

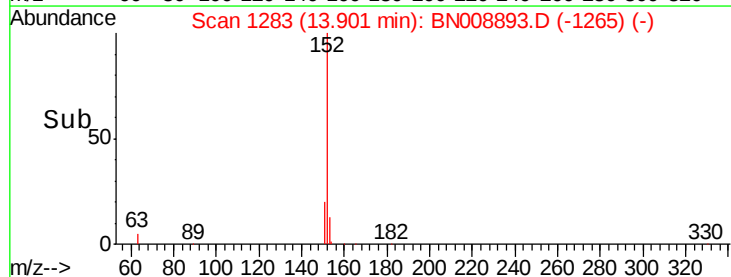
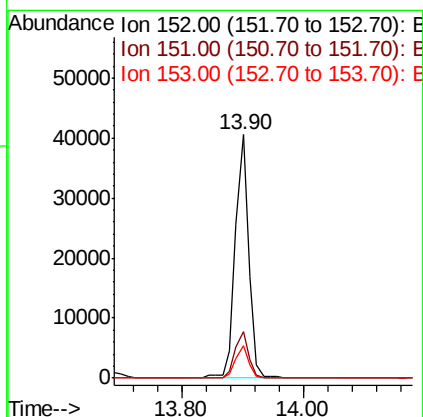
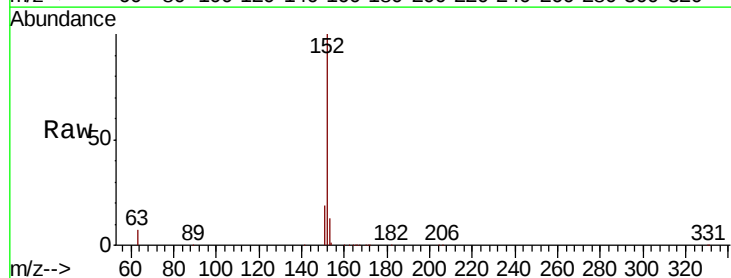
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

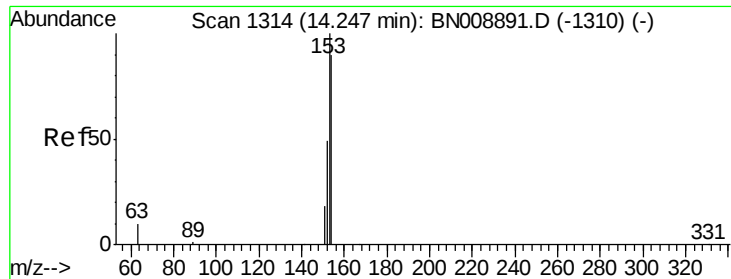
Tot Ion:172 Resp: 50771  
Ion Ratio Lower Upper  
172 100  
171 33.4 27.1 40.7  
170 21.3 17.7 26.5



#16  
Acenaphthylene  
Concen: 1.602 ng  
RT: 13.90 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: BN008893.D  
Acq: 09 Dec 2019 15:06

Tgt Ion:152 Resp: 61593  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.3 22.9  
153 12.9 10.3 15.5





#17

Acenaphthene

Concen: 1.653 ng

RT: 14.25 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

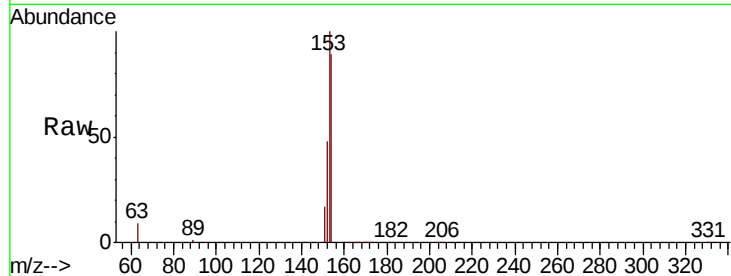
Tot Ion:154 Resp: 40313

Ion Ratio Lower Upper

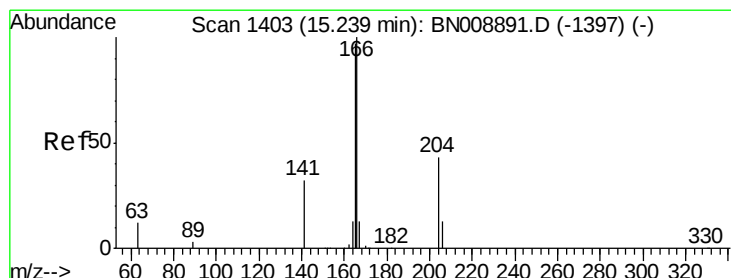
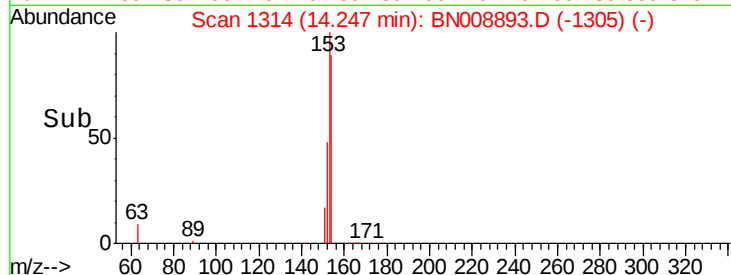
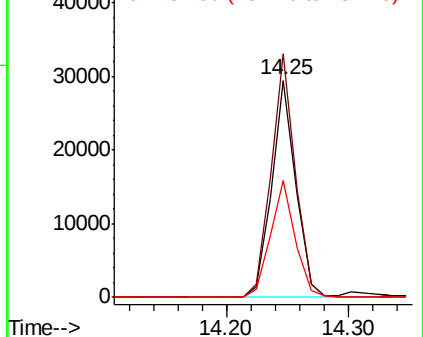
154 100

153 112.3 89.2 133.8

152 55.0 44.2 66.4



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: 1.669 ng

RT: 15.24 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

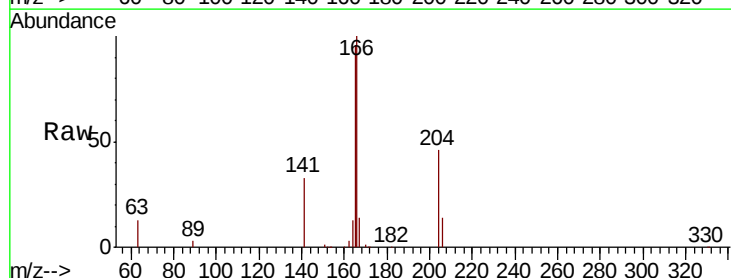
Tgt Ion:166 Resp: 53989

Ion Ratio Lower Upper

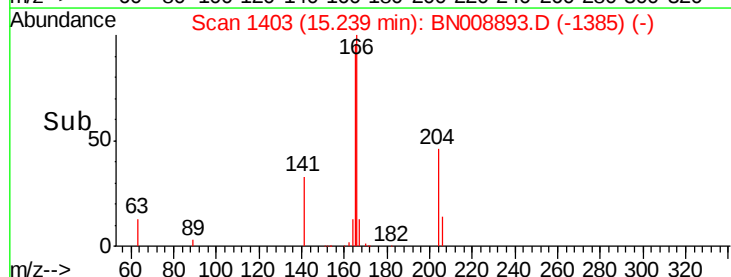
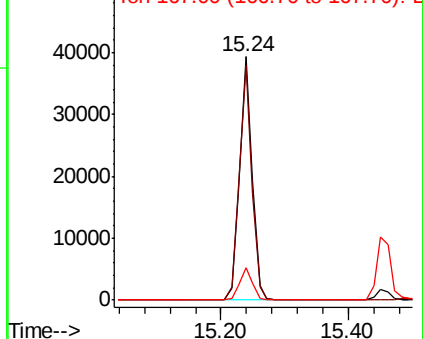
166 100

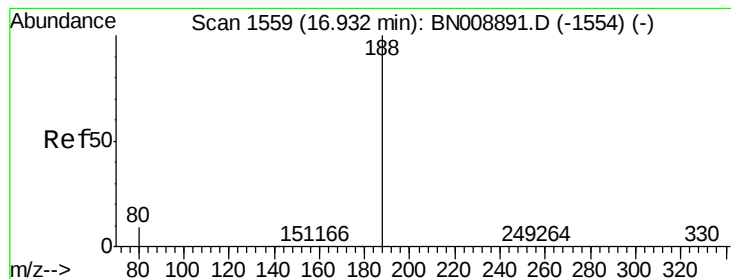
165 96.1 77.3 115.9

167 13.4 10.8 16.2



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: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

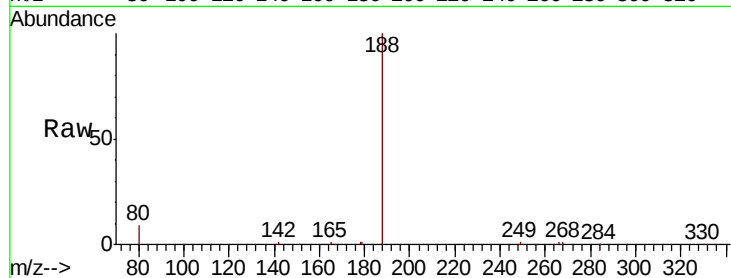
Tot Ion:188 Resp: 18274

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

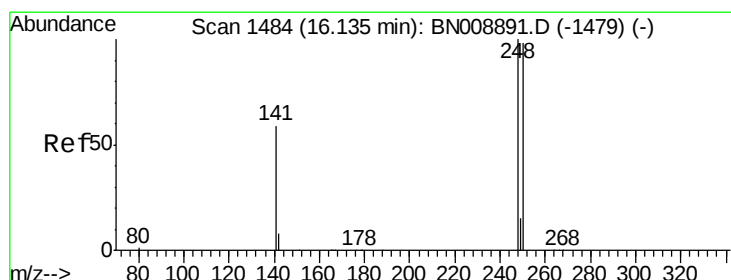
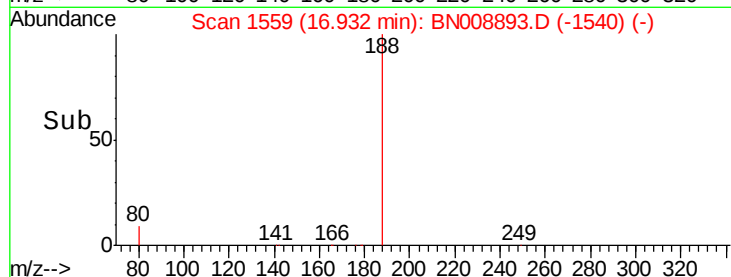
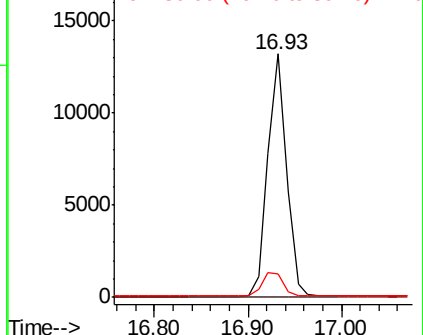
80 9.5 7.3 10.9



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: 1.658 ng

RT: 16.14 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

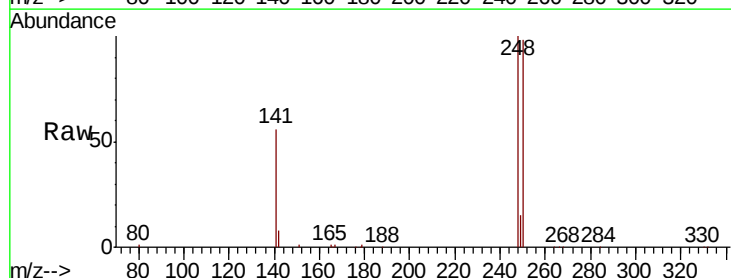
Tgt Ion:248 Resp: 17736

Ion Ratio Lower Upper

248 100

250 98.1 78.7 118.1

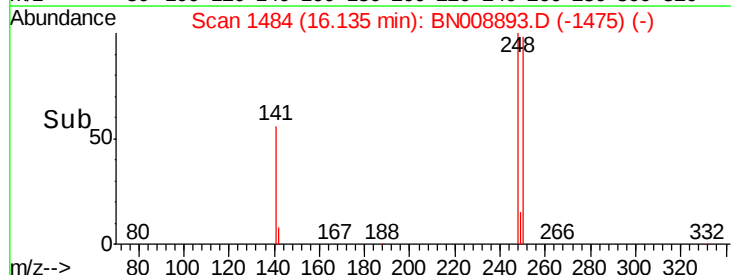
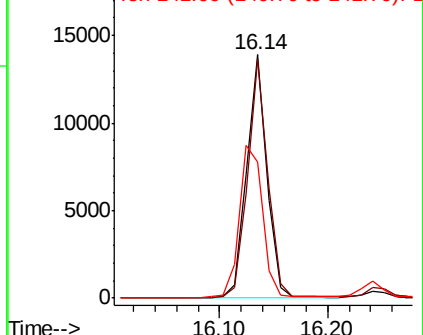
141 56.2 47.9 71.9

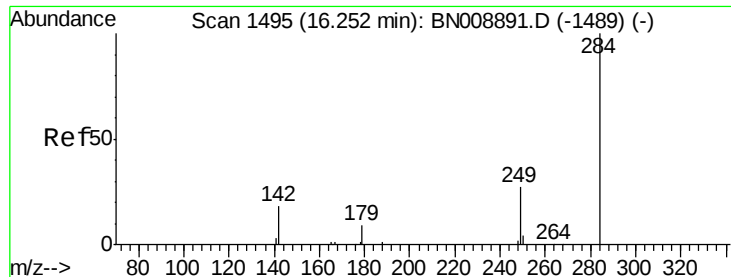


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.624 ng

RT: 16.25 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

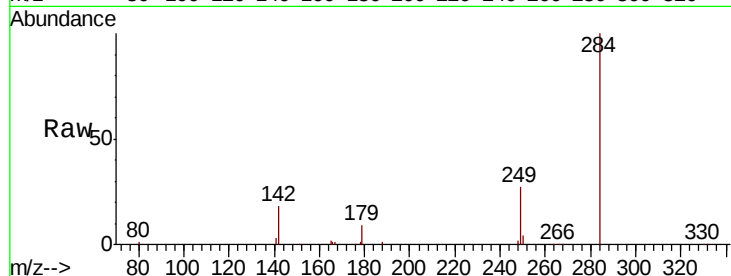
Tot Ion:284 Resp: 20049

Ion Ratio Lower Upper

284 100

142 34.6 27.8 41.6

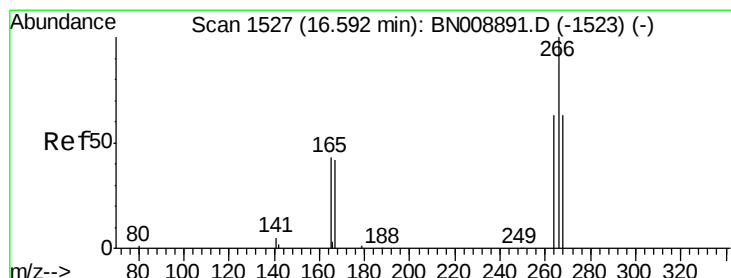
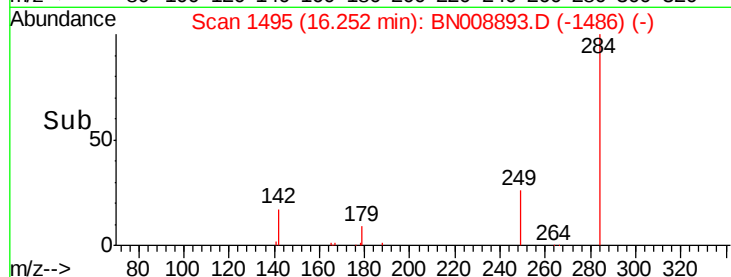
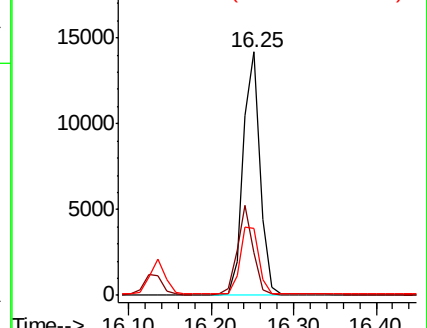
249 31.1 25.3 37.9



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: 1.465 ng

RT: 16.59 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

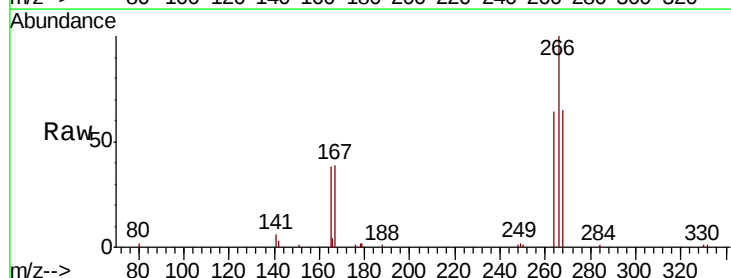
Tgt Ion:266 Resp: 7244

Ion Ratio Lower Upper

266 100

264 64.2 51.5 77.3

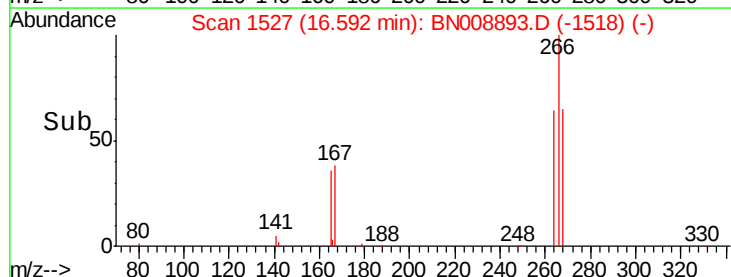
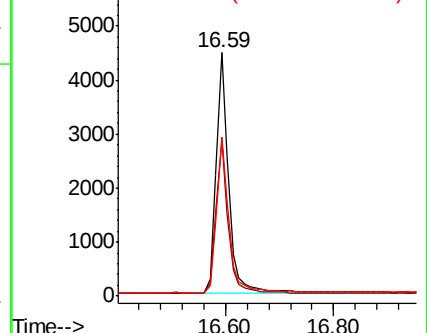
268 65.3 53.1 79.7

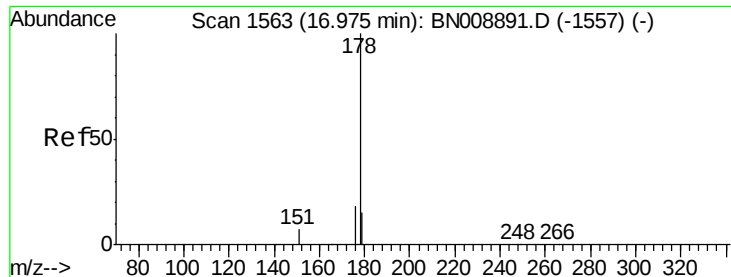


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.673 ng

RT: 16.97 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

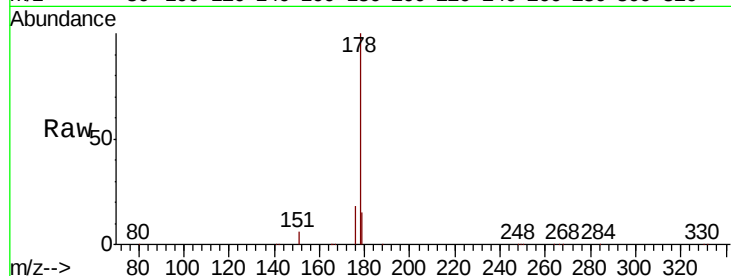
Tot Ion:178 Resp: 93335

Ion Ratio Lower Upper

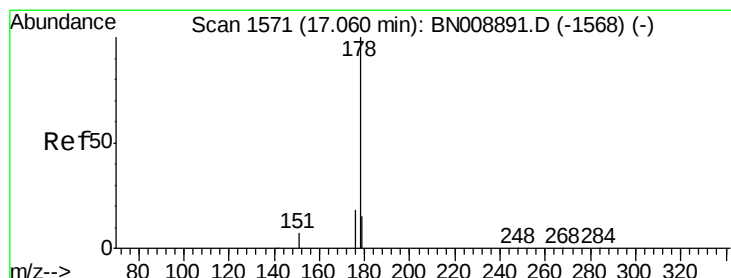
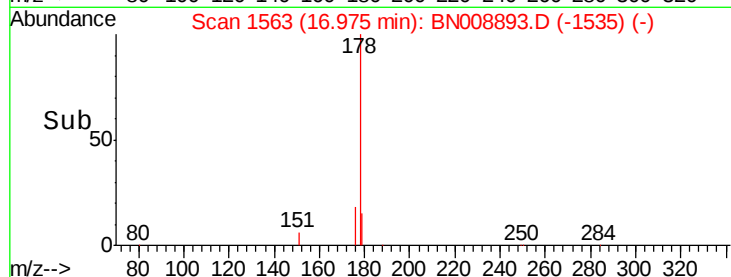
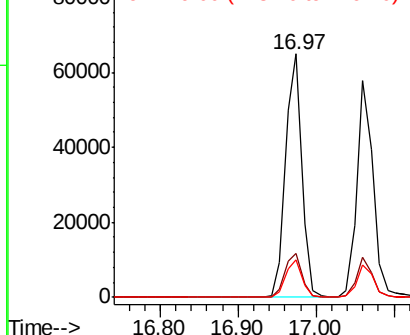
178 100

176 18.6 14.9 22.3

179 15.2 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



#24

Anthracene

Concen: 1.624 ng

RT: 17.06 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

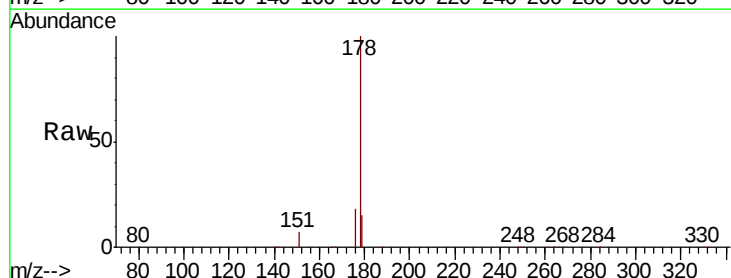
Tgt Ion:178 Resp: 83162

Ion Ratio Lower Upper

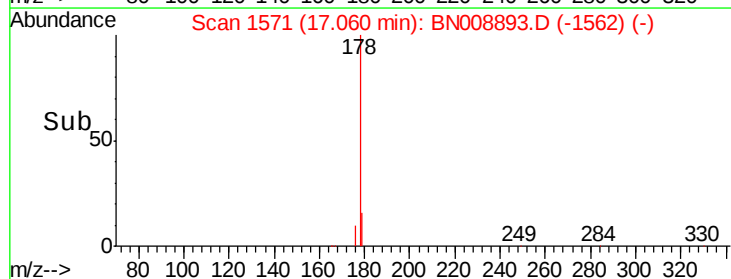
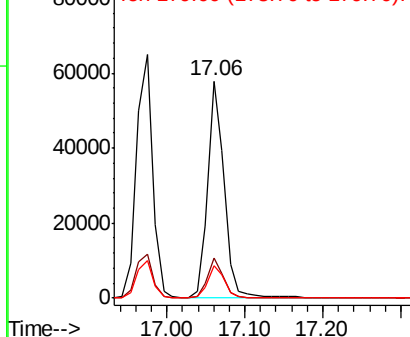
178 100

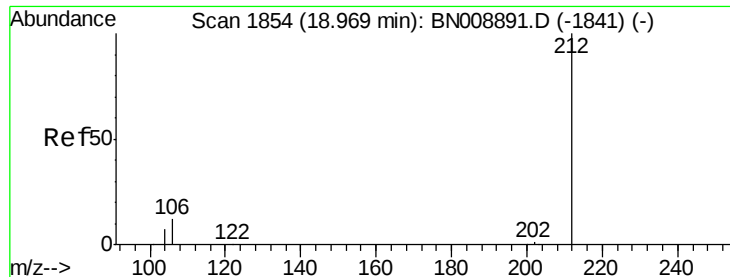
176 17.9 14.4 21.6

179 15.2 12.1 18.1



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: 1.643 ng

RT: 18.97 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

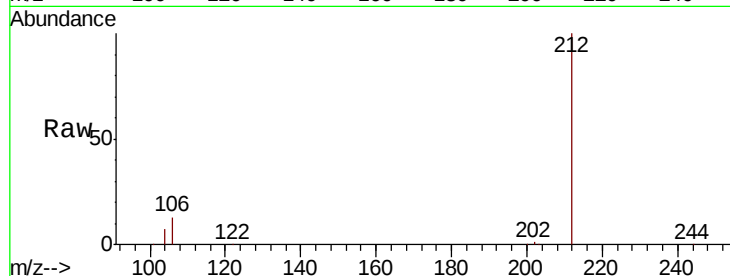
Tot Ion:212 Resp: 90939

Ion Ratio Lower Upper

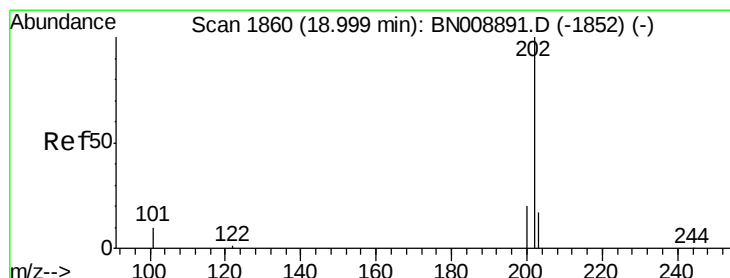
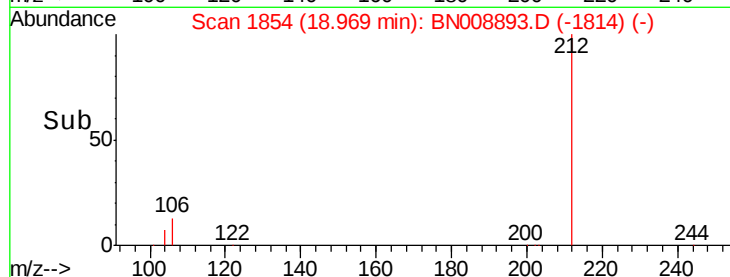
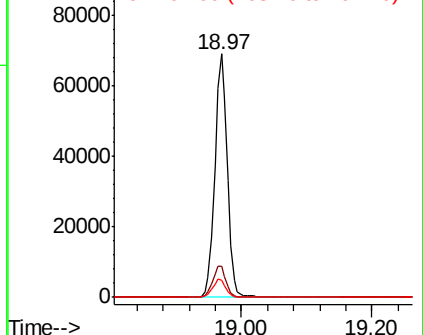
212 100

106 13.1 10.4 15.6

104 7.4 5.9 8.9



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: 1.700 ng

RT: 19.00 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

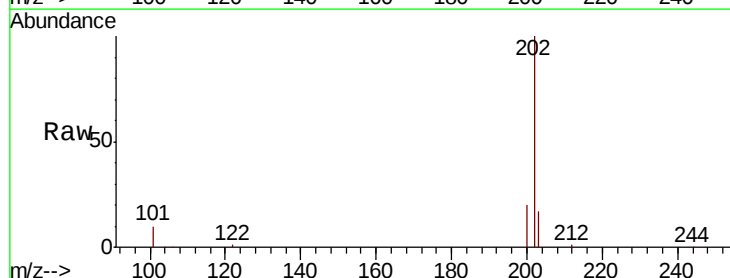
Tgt Ion:202 Resp: 114210

Ion Ratio Lower Upper

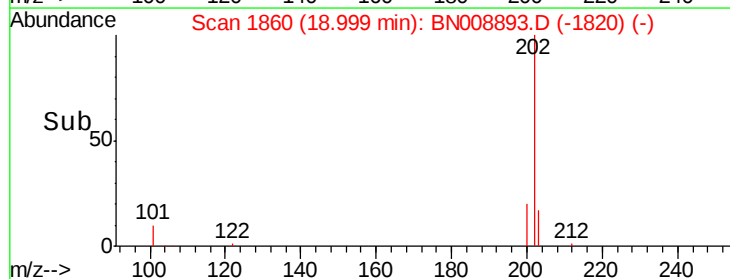
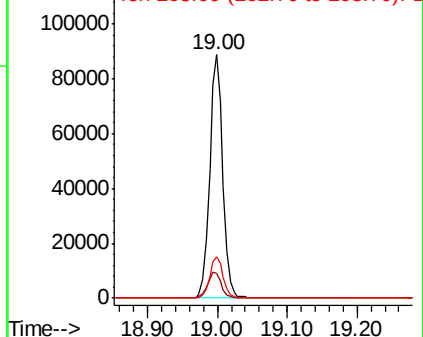
202 100

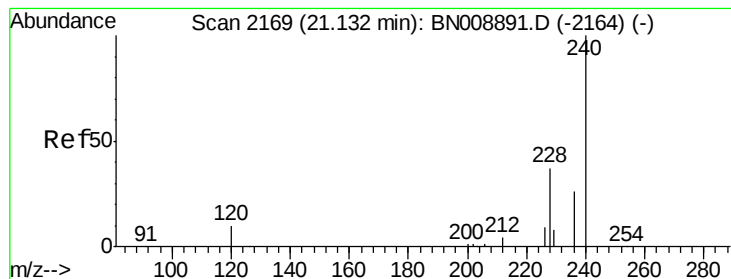
101 11.0 8.8 13.2

203 17.2 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: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

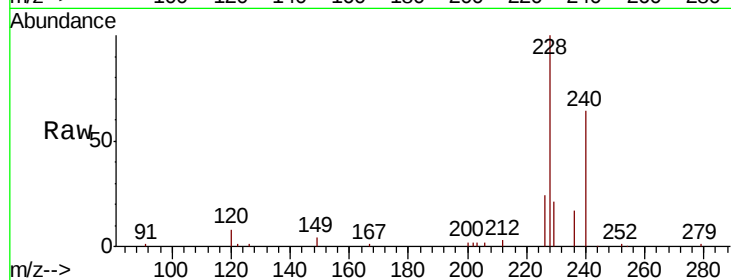
Tot Ion:240 Resp: 20419

Ion Ratio Lower Upper

240 100

120 13.0 9.1 13.7

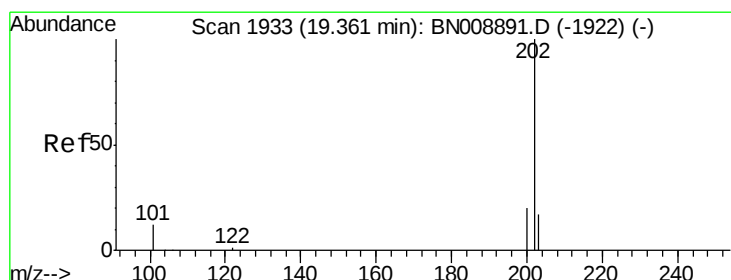
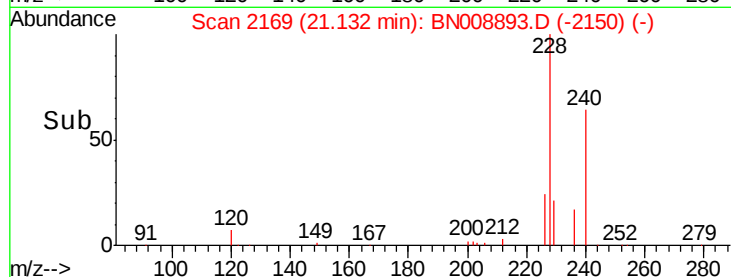
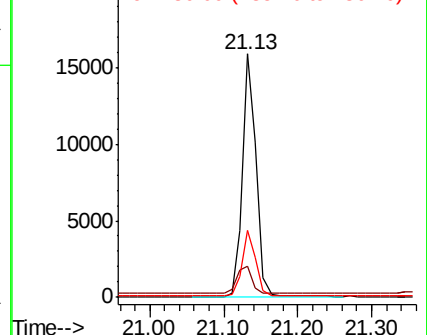
236 27.3 21.5 32.3



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: 1.594 ng

RT: 19.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

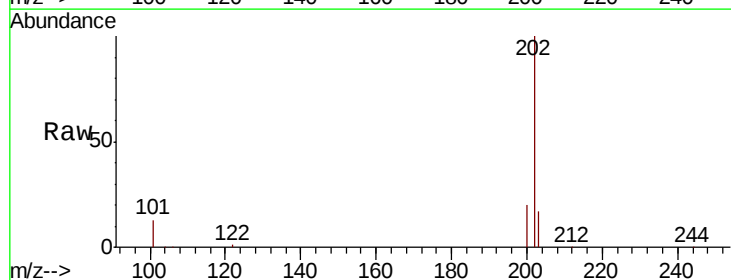
Tgt Ion:202 Resp: 113540

Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

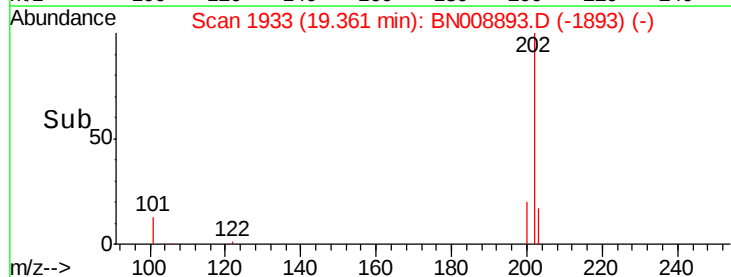
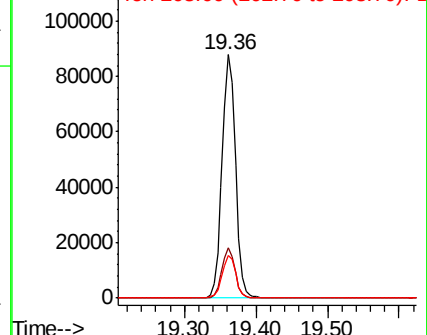
203 17.5 13.9 20.9

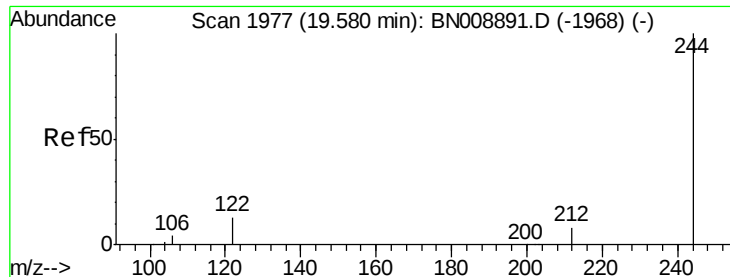


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.596 ng

RT: 19.58 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

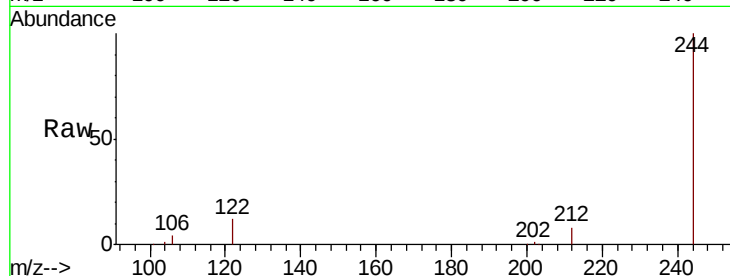
Tot Ion:244 Resp: 75030

Ion Ratio Lower Upper

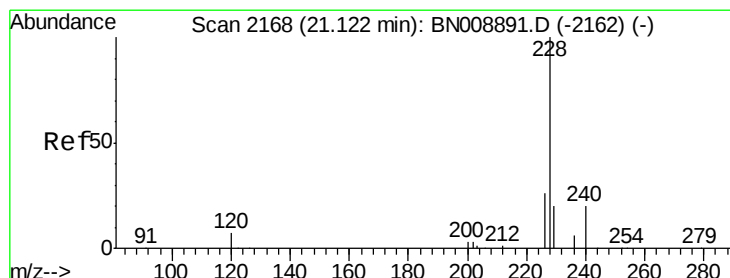
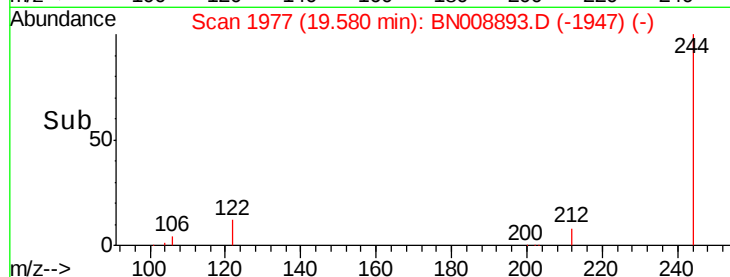
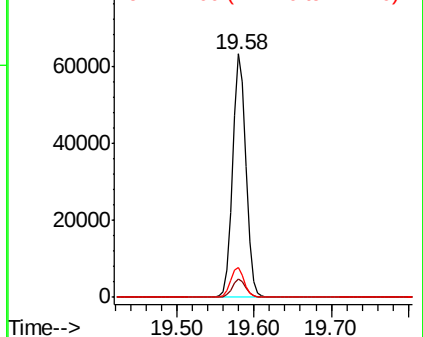
244 100

212 7.7 6.5 9.7

122 12.1 10.4 15.6



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: 1.599 ng

RT: 21.12 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

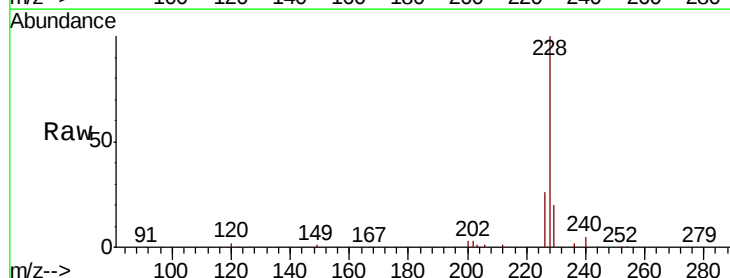
Tgt Ion:228 Resp: 117992

Ion Ratio Lower Upper

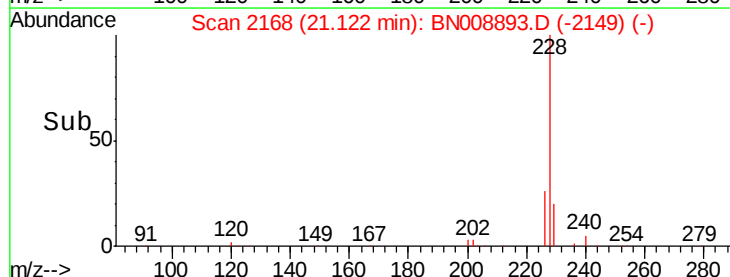
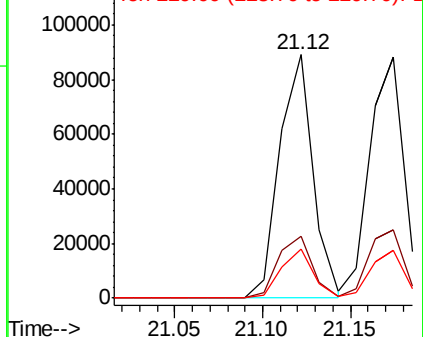
228 100

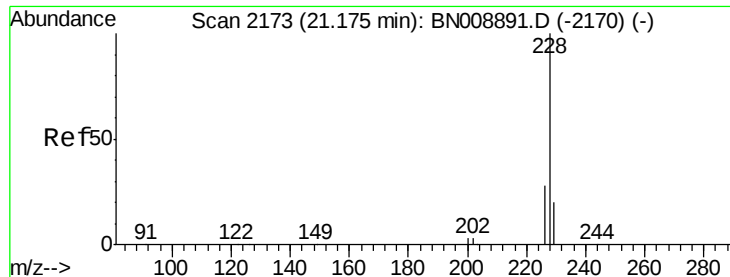
226 25.6 20.6 30.8

229 19.9 15.9 23.9



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: 1.677 ng

RT: 21.17 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

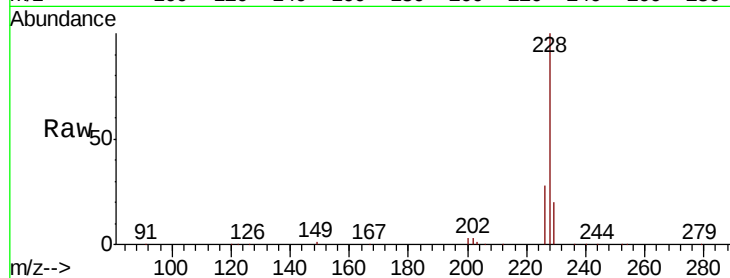
Tot Ion:228 Resp: 120123

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

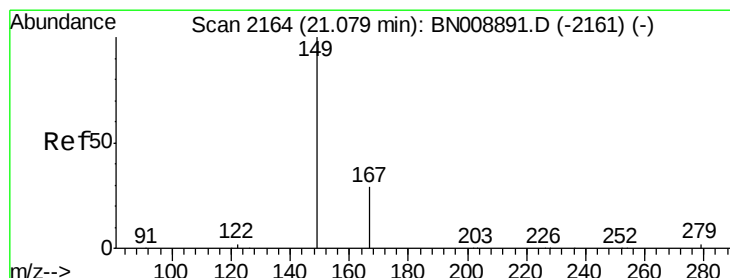
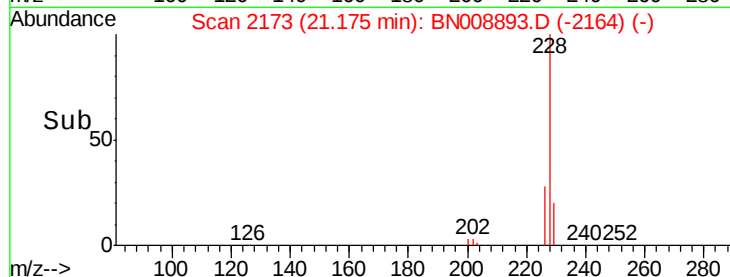
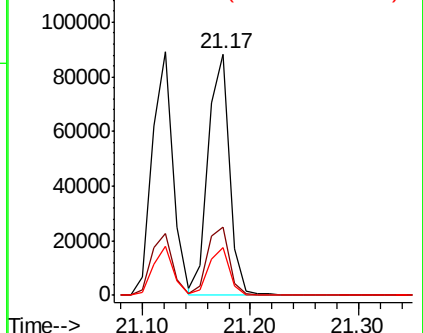
229 19.8 15.9 23.9



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: 1.026 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

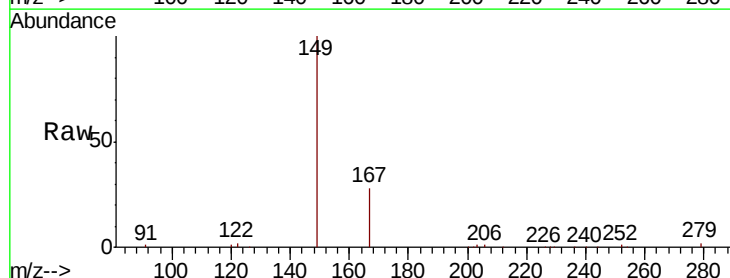
Tgt Ion:149 Resp: 50467

Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

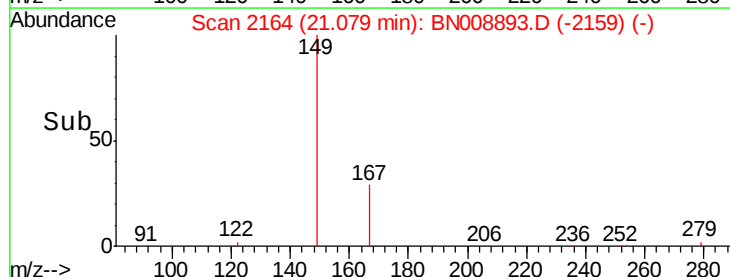
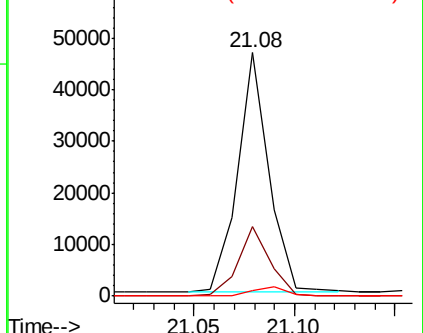
279 4.0 3.3 4.9

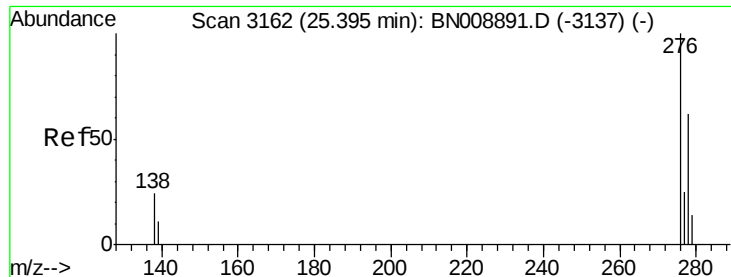


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

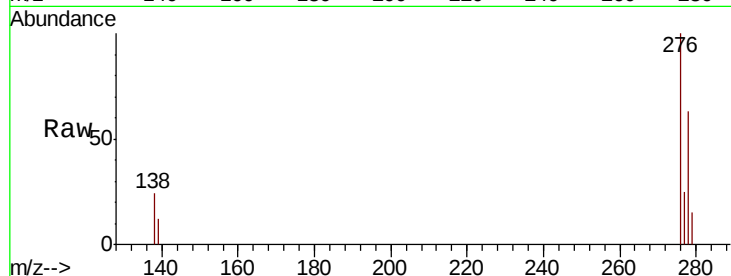




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.476 ng  
 RT: 25.39 min Scan# 3162  
 Delta R.T. 0.00 min  
 Lab File: BN008893.D  
 Acq: 09 Dec 2019 15:06

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.1  | 19.9  | 29.9  |
| 277     | 24.9  | 19.8  | 29.8  |

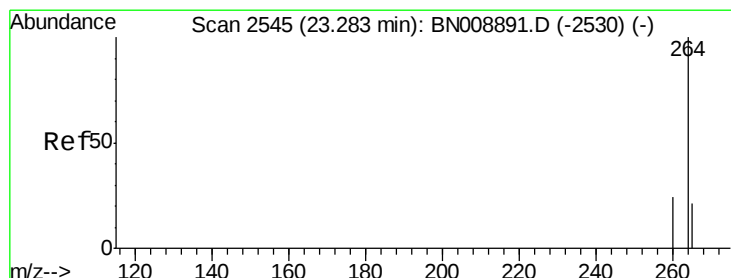
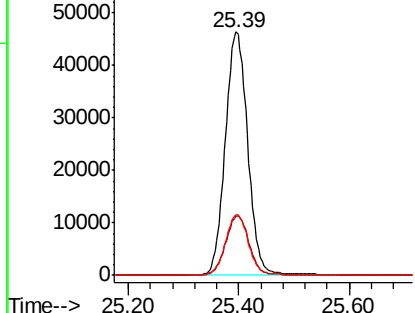
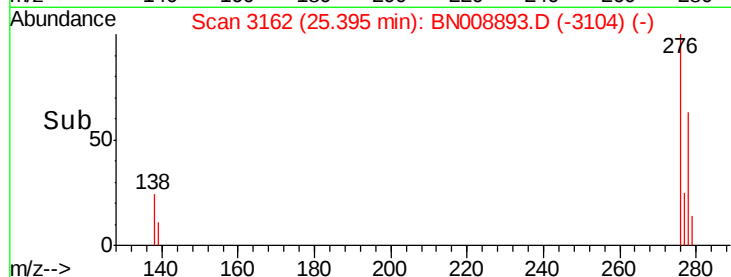


Abundance

Ion 276.00 (275.70 to 276.70): E

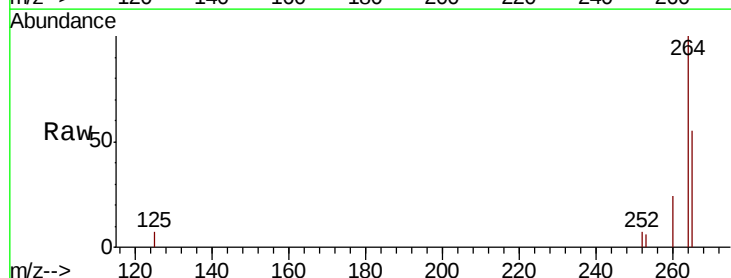
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.28 min Scan# 2545  
 Delta R.T. 0.00 min  
 Lab File: BN008893.D  
 Acq: 09 Dec 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.4  | 29.0  |
| 265     | 54.9  | 47.5  | 71.3  |

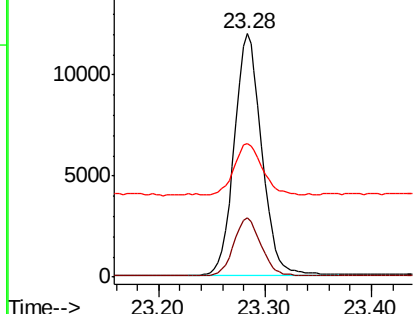
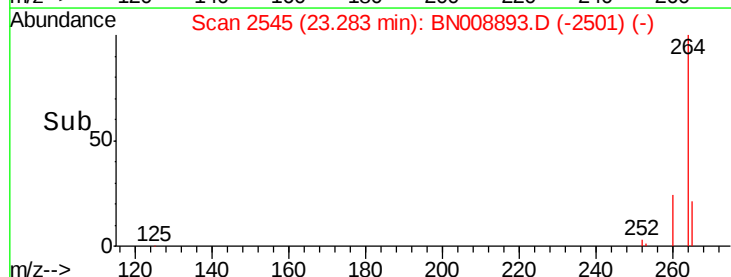


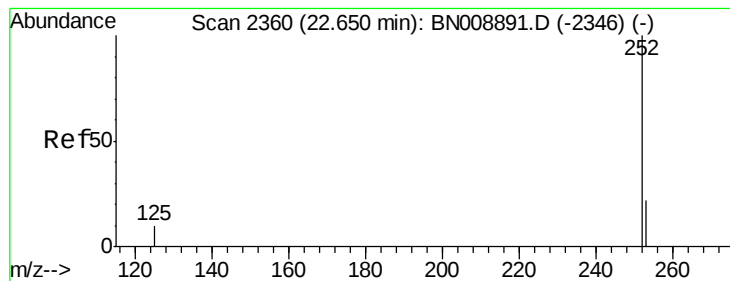
Abundance

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: 1.755 ng

RT: 22.69 min Scan# 2372

Delta R.T. 0.04 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

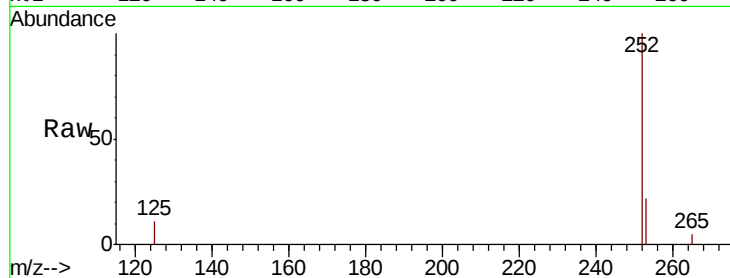
Tot Ion:252 Resp: 124444

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.6

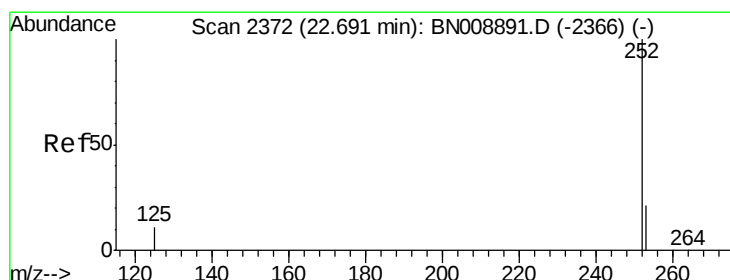
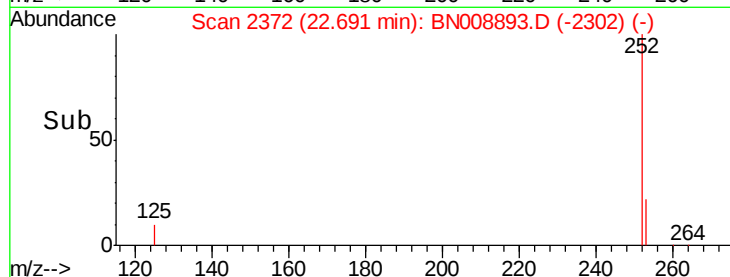
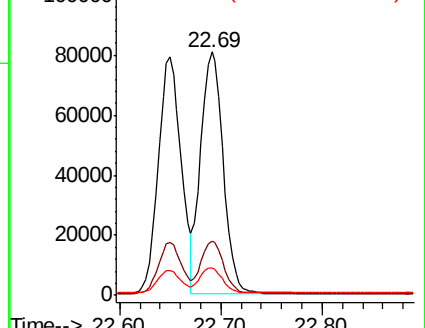
125 11.4 10.8 16.2



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: 1.786 ng

RT: 22.69 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

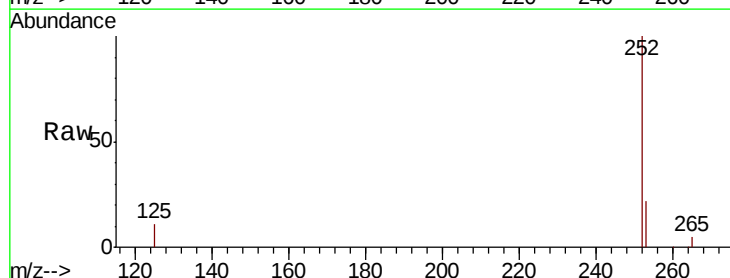
Tgt Ion:252 Resp: 124444

Ion Ratio Lower Upper

252 100

253 22.4 19.2 28.8

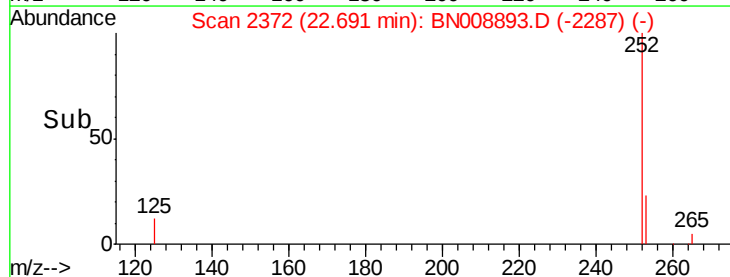
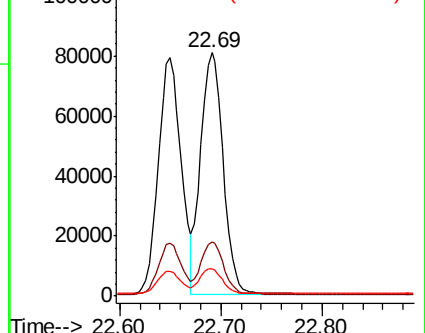
125 11.4 11.6 17.4#

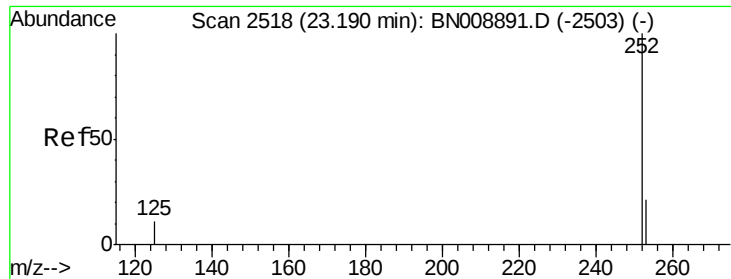


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.670 ng

RT: 23.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

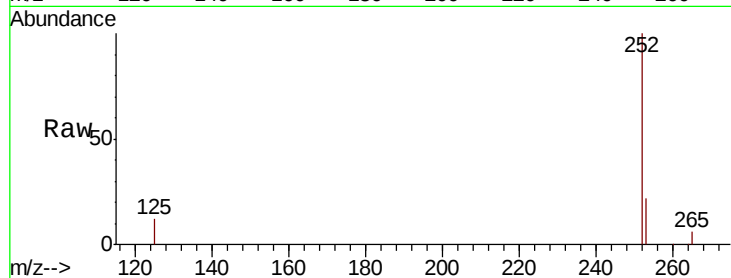
Tot Ion:252 Resp: 111731

Ion Ratio Lower Upper

252 100

253 22.5 19.9 29.9

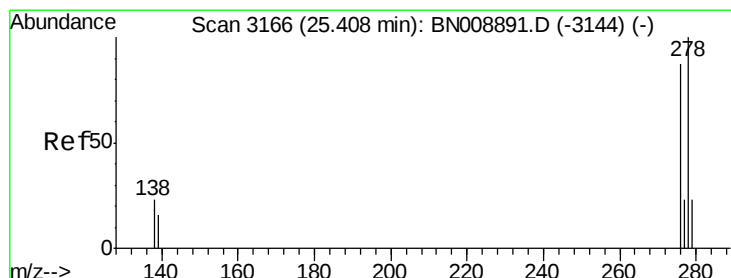
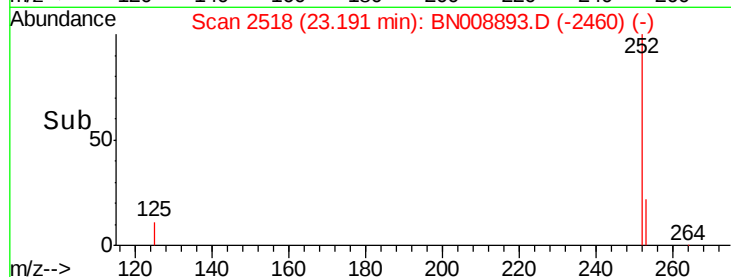
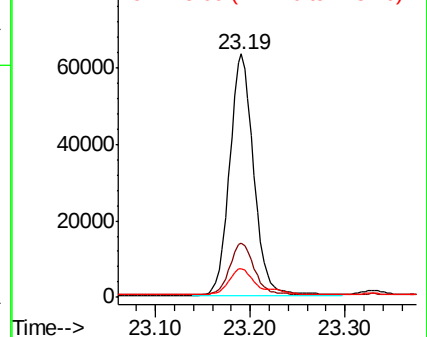
125 11.8 12.3 18.5#



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: 1.552 ng

RT: 25.41 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

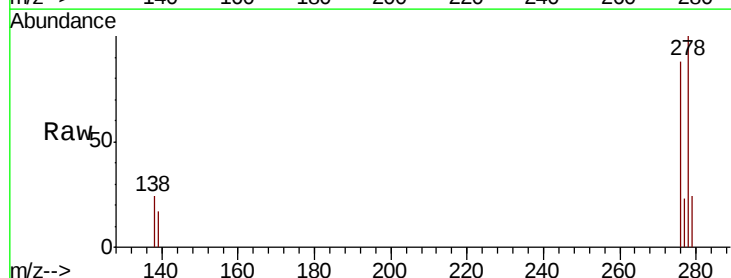
Tgt Ion:278 Resp: 106004

Ion Ratio Lower Upper

278 100

139 16.8 13.9 20.9

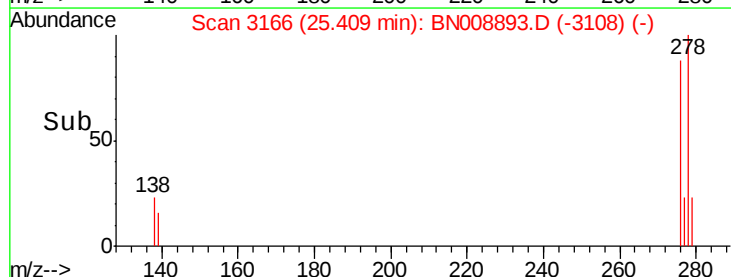
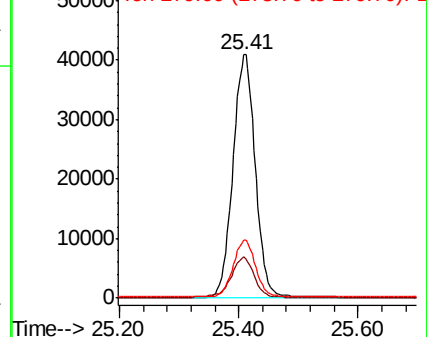
279 23.7 20.2 30.4

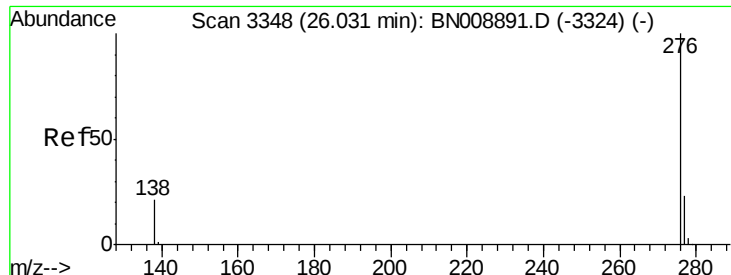


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.499 ng

RT: 26.03 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BN008893.D

Acq: 09 Dec 2019 15:06

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

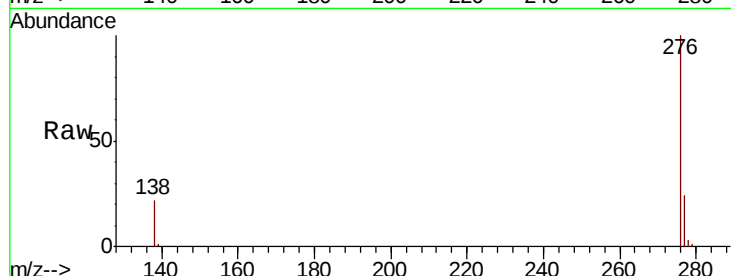
Tot Ion:276 Resp: 103704

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 21.7 17.8 26.6



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

