

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022120\  
 Data File : BN009804.D  
 Acq On : 21 Feb 2020 12:36  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Feb 21 16:37:16 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 Feb 19 15:57:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 1180     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.15 | 136  | 4007     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.03 | 164  | 2629     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 5715     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.02 | 240  | 5048     | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.12 | 264  | 5382     | 0.40 | ng    | -0.02    |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.07  | 112 | 1086 | 0.41 | ng | -0.02 |
| 5) Phenol-d6                | 6.63  | 99  | 1143 | 0.36 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.58  | 82  | 1157 | 0.35 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152 | 2996 | 0.39 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.57 | 330 | 396  | 0.39 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 3691 | 0.37 | ng | -0.02 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 7318 | 0.37 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.46 | 244 | 4594 | 0.38 | ng | -0.02 |

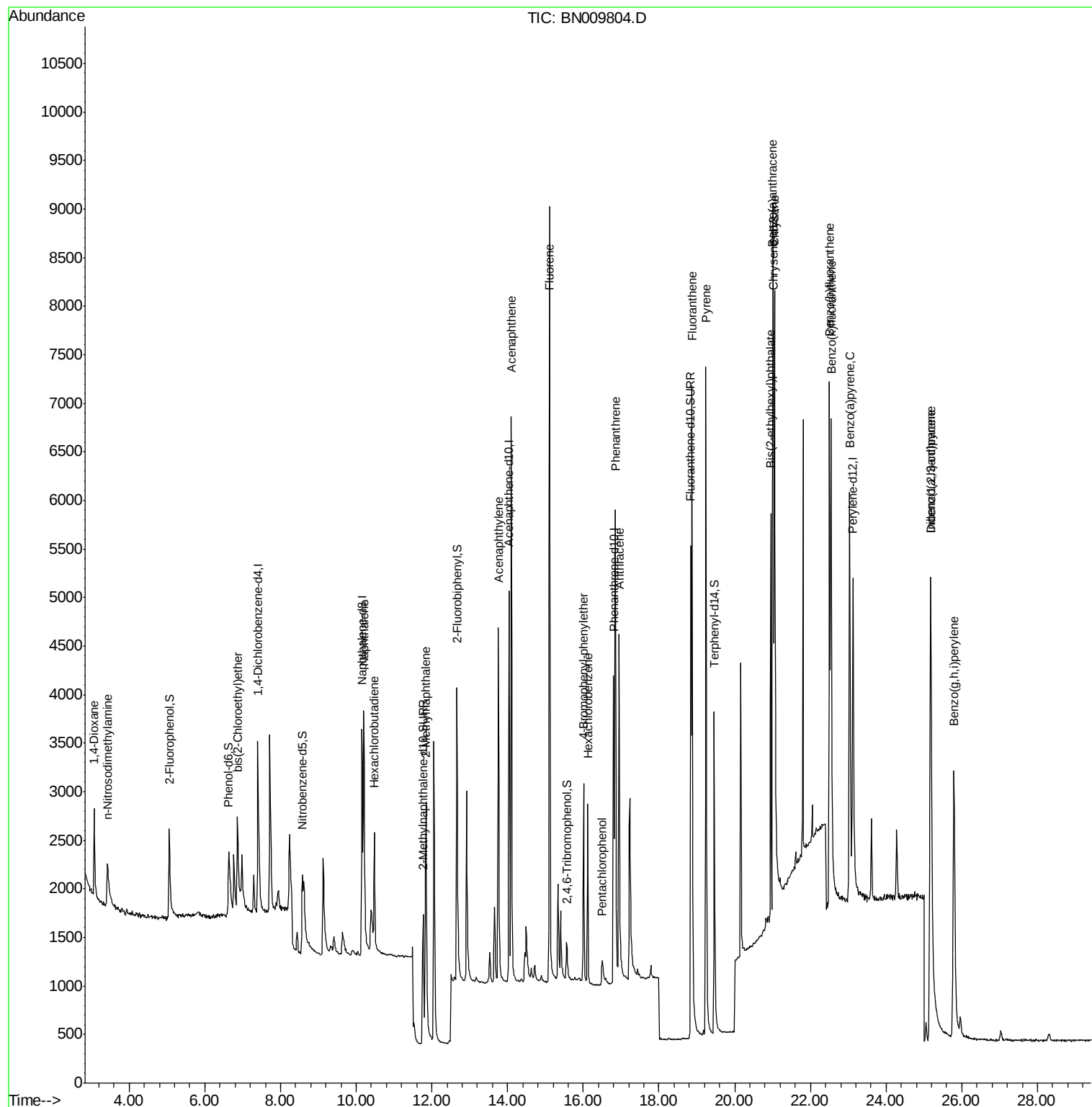
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.08  | 88  | 433  | 0.358  | ng | 86   |
| 3) n-Nitrosodimethylamine      | 3.43  | 42  | 747  | 0.376  | ng | # 92 |
| 6) bis(2-Chloroethyl)ether     | 6.86  | 93  | 1251 | 0.403  | ng | 94   |
| 9) Naphthalene                 | 10.20 | 128 | 4284 | 0.392  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.48 | 225 | 954  | 0.397  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 11.84 | 142 | 2884 | 0.385  | ng | 98   |
| 16) Acenaphthylene             | 13.76 | 152 | 4264 | 0.380  | ng | 99   |
| 17) Acenaphthene               | 14.10 | 154 | 3049 | 0.387  | ng | 99   |
| 18) Fluorene                   | 15.10 | 166 | 3880 | 0.373  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 1032 | 0.214  | ng | # 91 |
| 21) Hexachlorobenzene          | 16.11 | 284 | 1436 | 0.404  | ng | 98   |
| 22) Pentachlorophenol          | 16.50 | 266 | 302  | 0.432  | ng | 97   |
| 23) Phenanthrene               | 16.85 | 178 | 6329 | 0.372  | ng | 99   |
| 24) Anthracene                 | 16.94 | 178 | 5341 | 0.371  | ng | 99   |
| 26) Fluoranthene               | 18.87 | 202 | 7505 | 0.369  | ng | 100  |
| 28) Pyrene                     | 19.24 | 202 | 7725 | 0.403  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 6228 | 0.372  | ng | 98   |
| 31) Chrysene                   | 21.06 | 228 | 7033 | 0.363  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.95 | 149 | 3564 | 0.436  | ng | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.17 | 276 | 7878 | 0.390  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 6654 | 0.338  | ng | 96   |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 8278 | 0.386  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.04 | 252 | 6755 | 0.376  | ng | # 89 |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278 | 6134 | 0.347  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 25.80 | 276 | 6992 | 0.371  | ng | 99   |

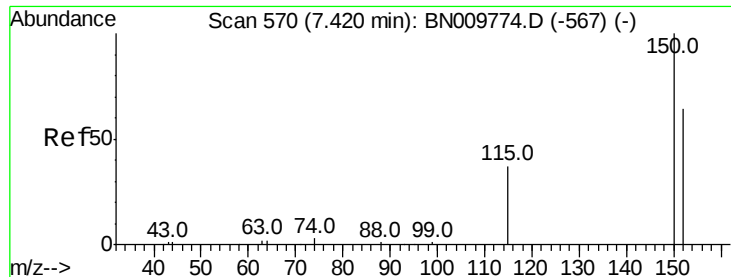
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022120\  
Data File : BN009804.D  
Acq On : 21 Feb 2020 12:36  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Feb 21 16:37:16 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 Feb 19 15:57:43 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 568

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

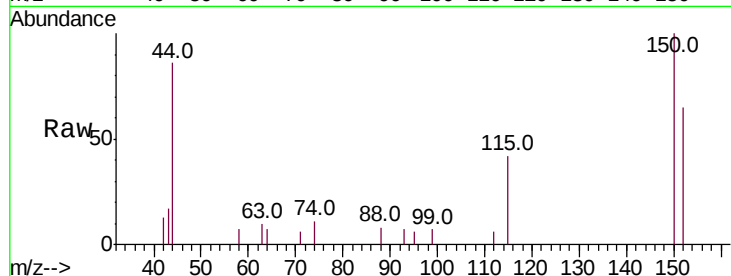
Tot Ion:152 Resp: 1180

Ion Ratio Lower Upper

152 100

150 153.9 120.6 181.0

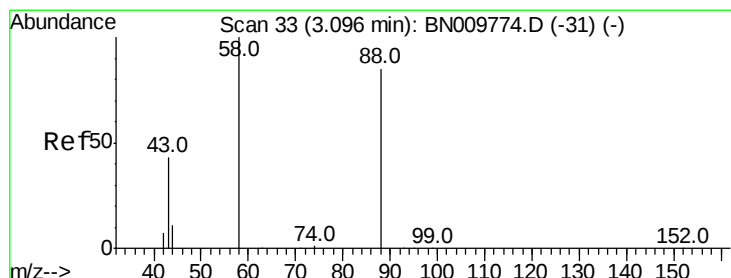
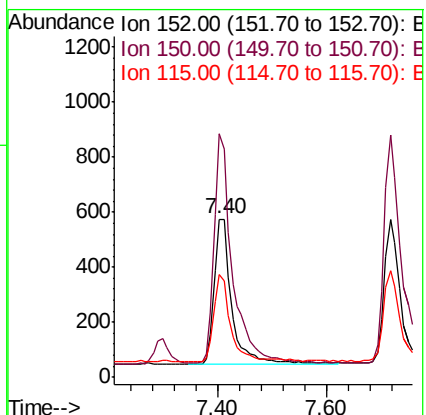
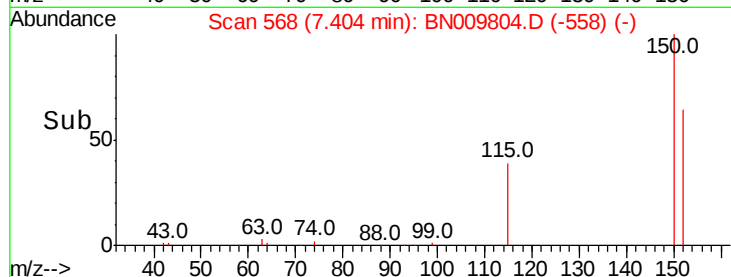
115 65.0 51.2 76.8



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: 0.358 ng

RT: 3.08 min Scan# 31

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

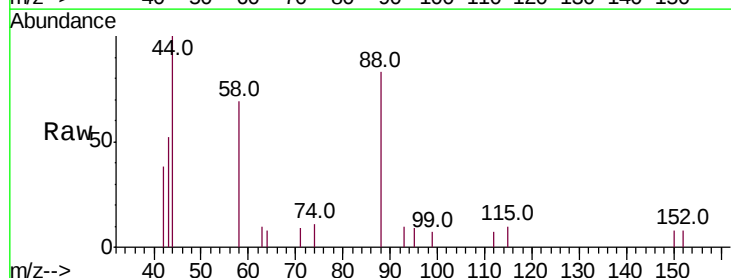
Tgt Ion: 88 Resp: 433

Ion Ratio Lower Upper

88 100

58 140.6 97.8 146.8

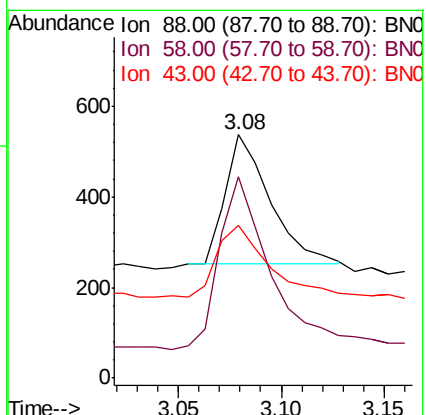
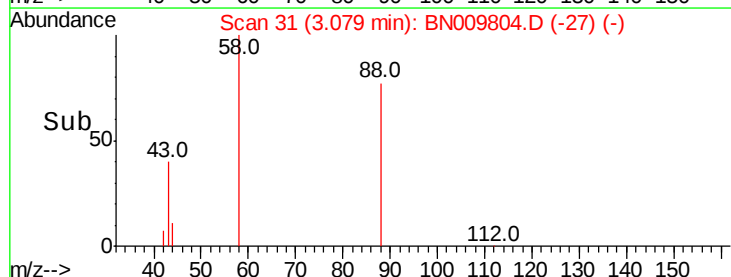
43 61.9 45.1 67.7

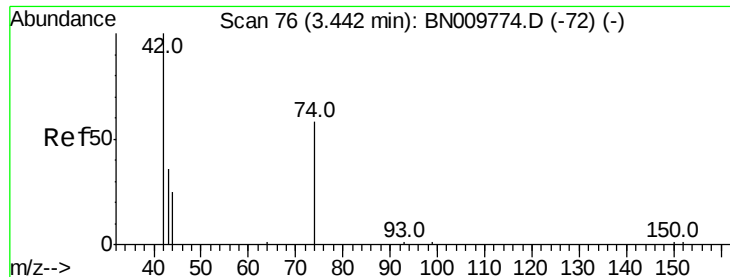


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.376 ng

RT: 3.43 min Scan# 74

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

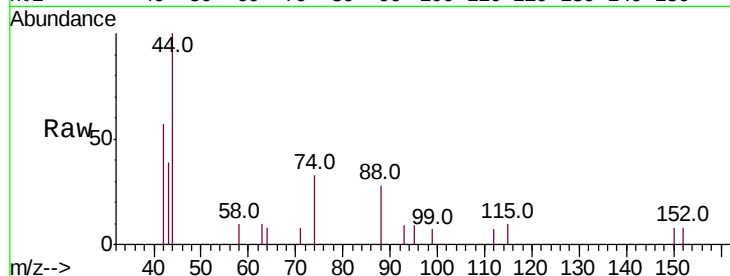
Tot Ion: 42 Resp: 747

Ion Ratio Lower Upper

42 100

74 69.6 51.2 76.8

44 10.4 2.6 4.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC

800

600

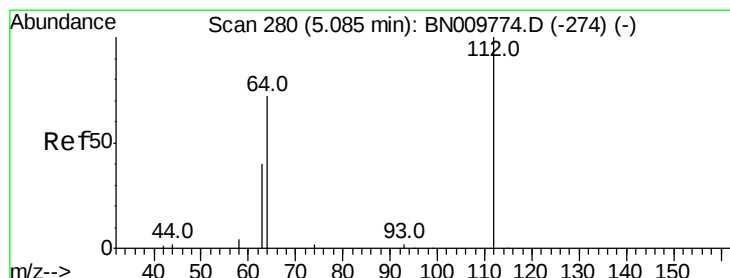
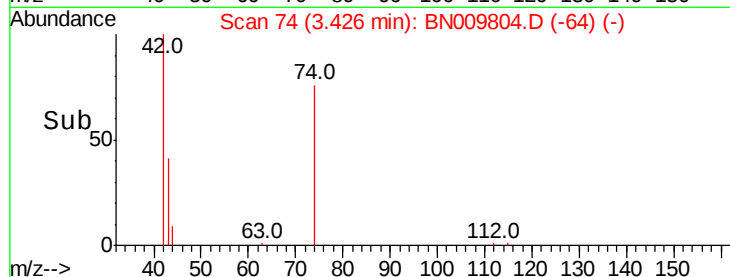
400

200

0

3.35 3.40 3.45 3.50

Time-->



#4

2-Fluorophenol

Concen: 0.414 ng

RT: 5.07 min Scan# 278

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

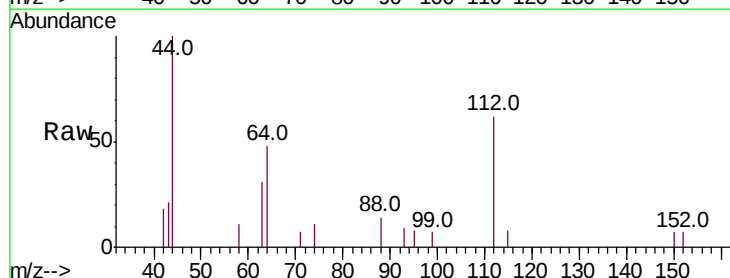
Tgt Ion: 112 Resp: 1086

Ion Ratio Lower Upper

112 100

64 77.9 65.8 98.6

63 46.6 38.7 58.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

600

500

400

300

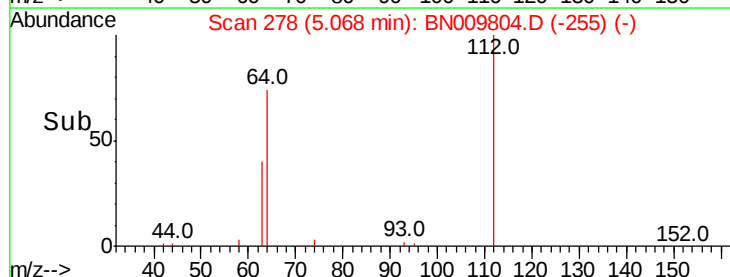
200

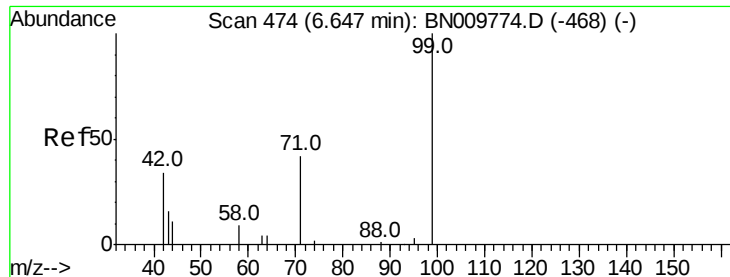
100

0

4.90 5.00 5.10 5.20 5.30

Time-->





#5

Phenol-d6

Concen: 0.358 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

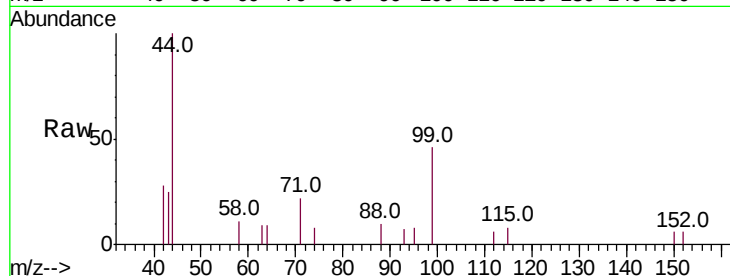
Tot Ion: 99 Resp: 1143

Ion Ratio Lower Upper

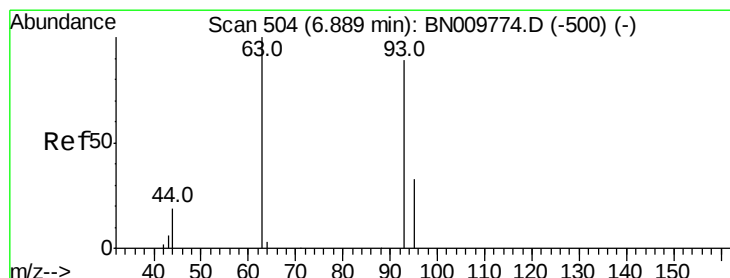
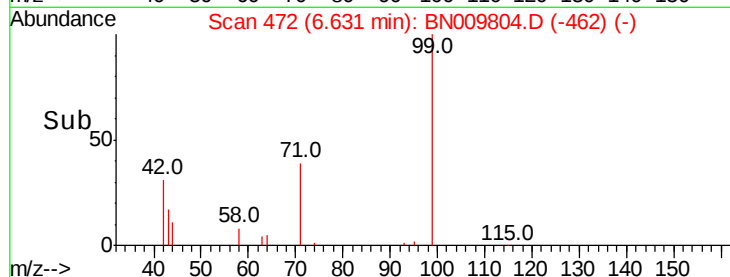
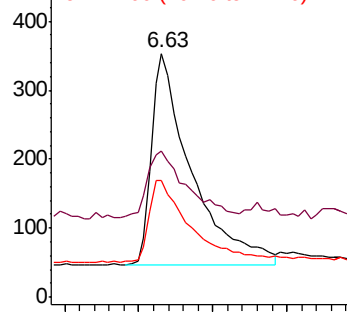
99 100

42 31.2 30.8 46.2

71 40.3 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.403 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

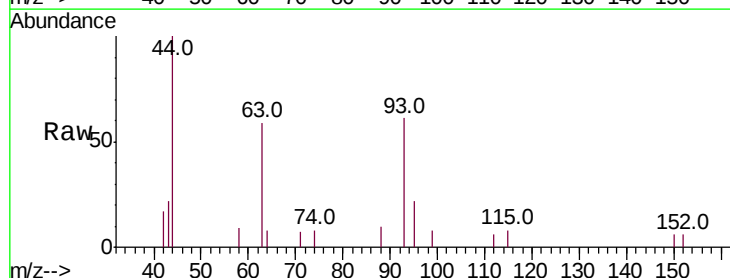
Tgt Ion: 93 Resp: 1251

Ion Ratio Lower Upper

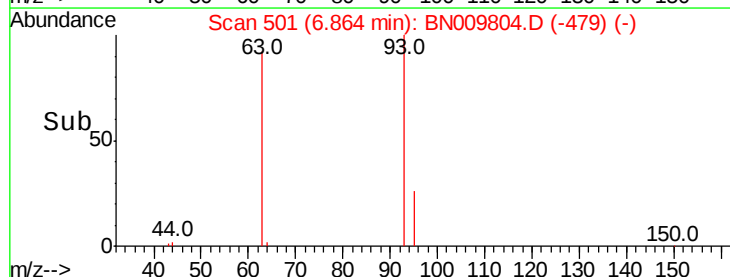
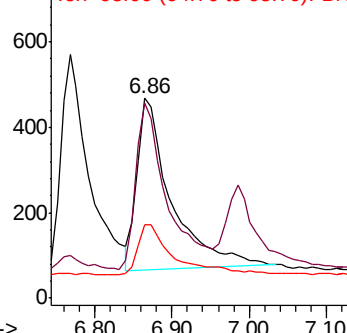
93 100

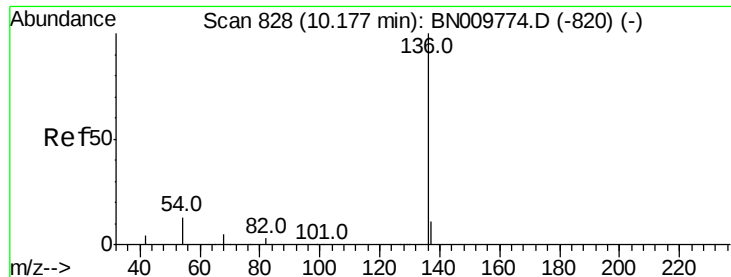
63 86.5 74.0 111.0

95 30.3 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN009774.D (-500) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 4007

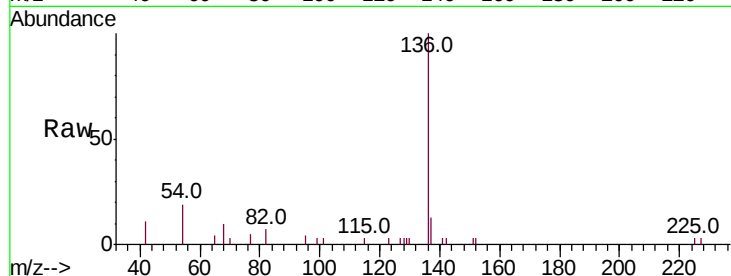
Ion Ratio Lower Upper

136 100

137 13.3 11.3 16.9

54 19.1 13.4 20.2

68 9.8 7.0 10.4

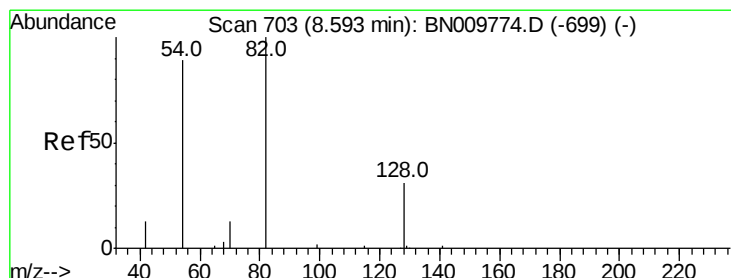
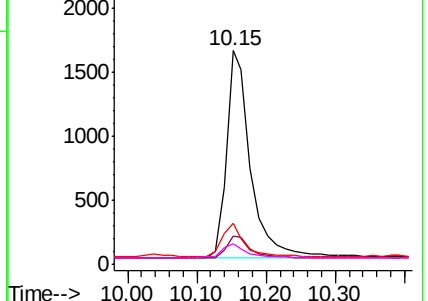
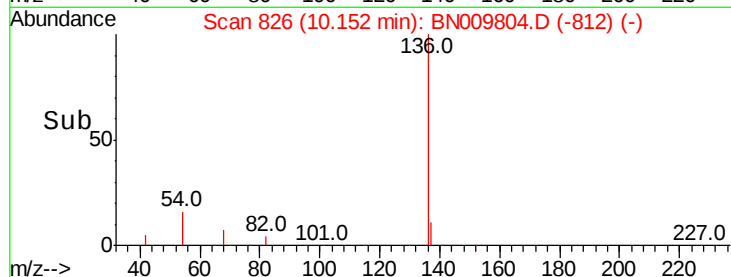


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.347 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

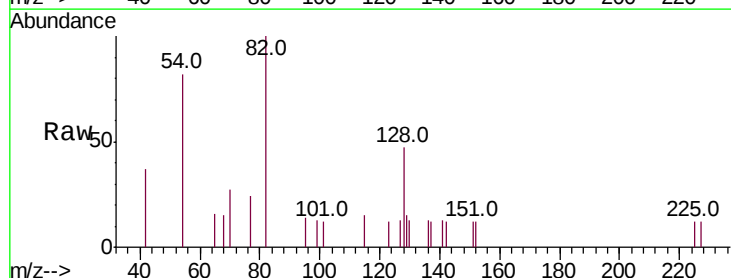
Tgt Ion: 82 Resp: 1157

Ion Ratio Lower Upper

82 100

128 47.3 32.5 48.7

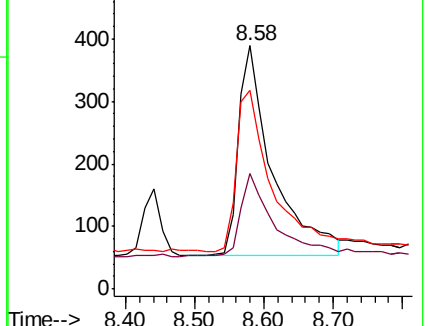
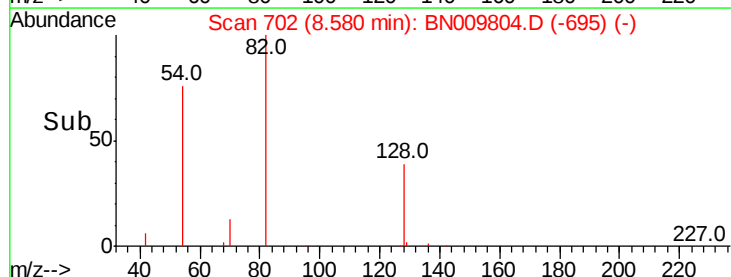
54 81.7 73.5 110.3

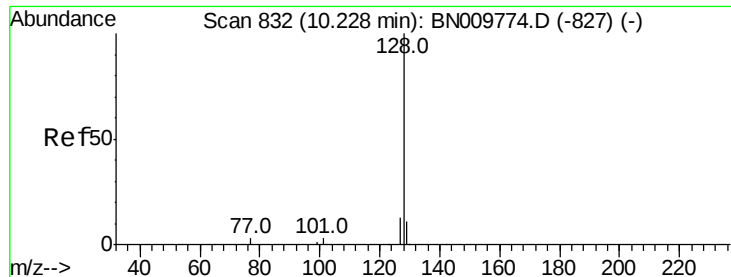


Abundance Ion 82.00 (81.70 to 82.70): BNC

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: 10.20 min Scan# 830

Delta R.T. -0.03 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

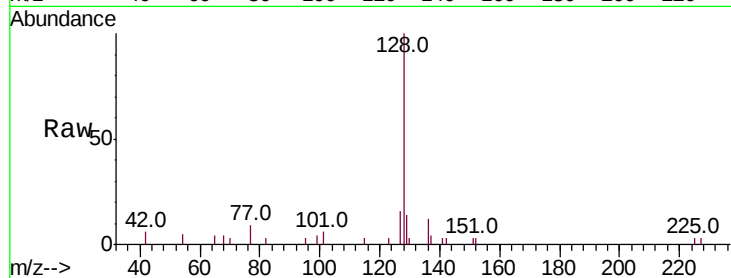
Tot Ion:128 Resp: 4284

Ion Ratio Lower Upper

128 100

129 13.6 11.1 16.7

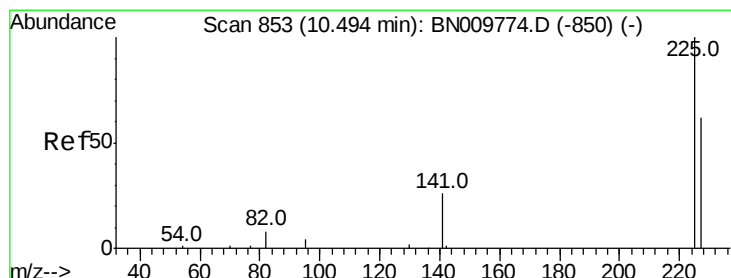
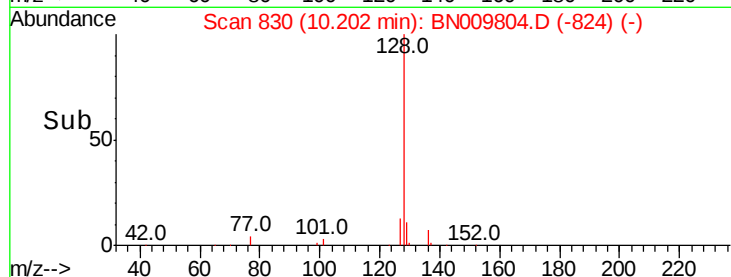
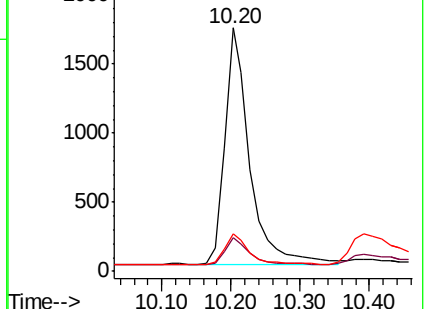
127 15.5 12.6 19.0



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: 0.397 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

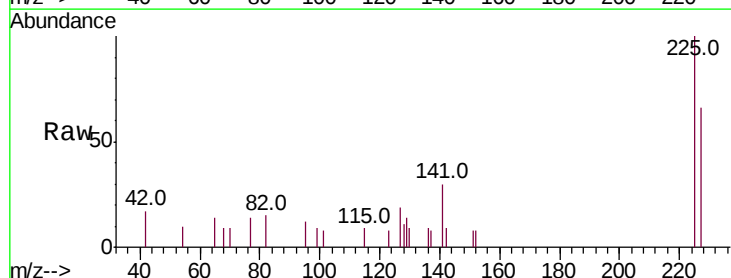
Tgt Ion:225 Resp: 954

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

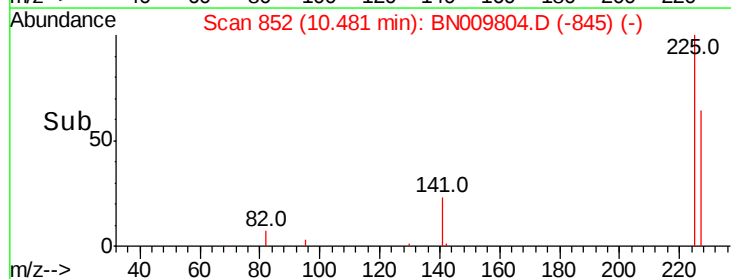
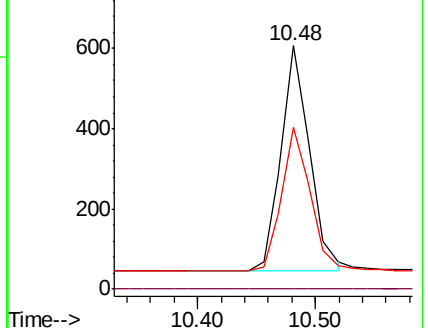
227 64.2 53.4 80.2

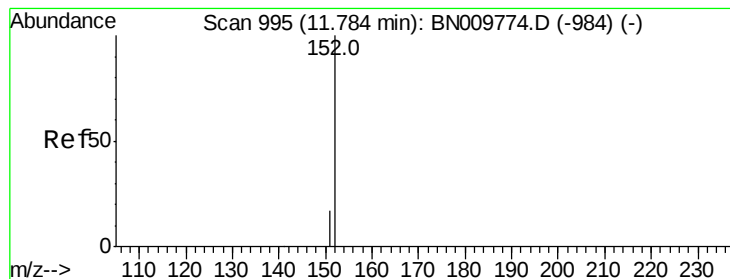


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.386 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

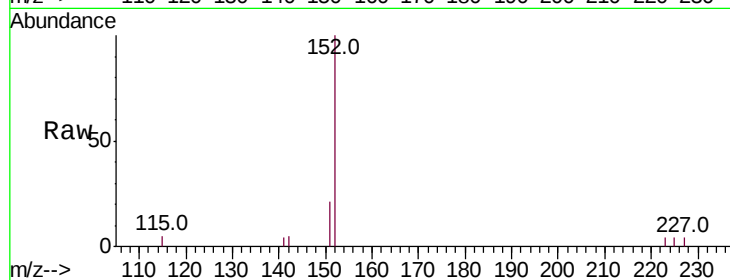
SSTDCCC0.4

Tot Ion:152 Resp: 2996

Ion Ratio Lower Upper

152 100

151 18.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

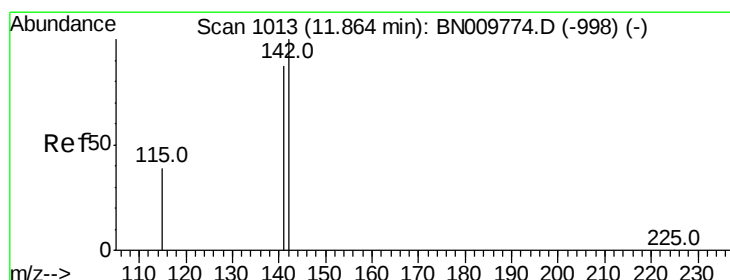
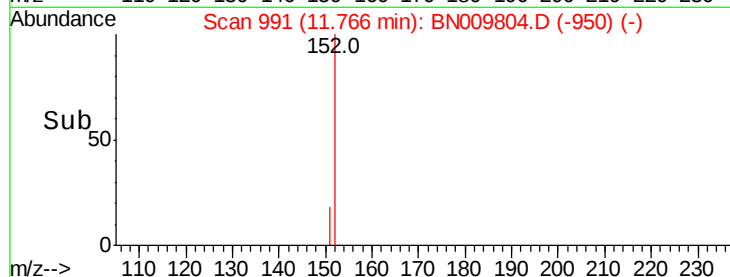
1000

500

0

Time-->

11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.385 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

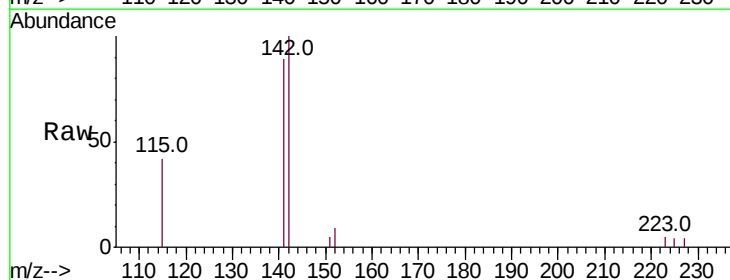
Tgt Ion:142 Resp: 2884

Ion Ratio Lower Upper

142 100

141 88.8 69.8 104.6

115 42.2 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

1500

11.84

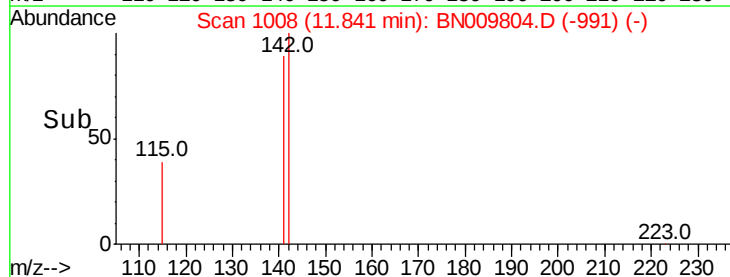
1000

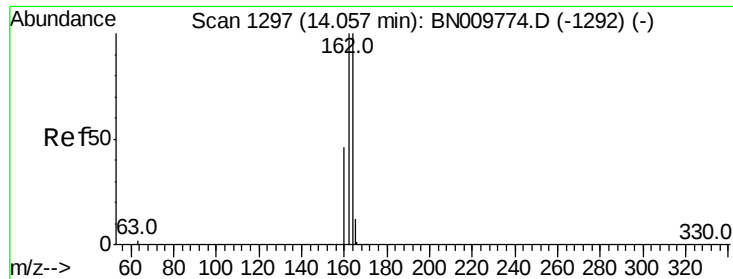
500

0

Time-->

11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

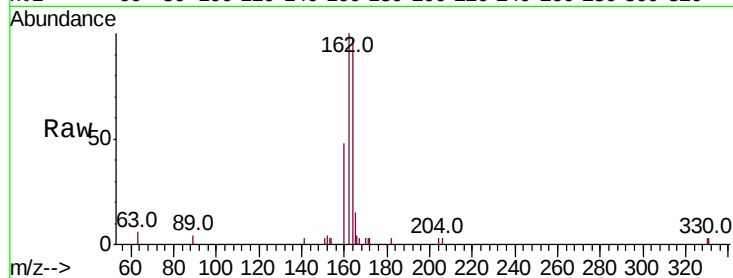
Tot Ion:164 Resp: 2629

Ion Ratio Lower Upper

164 100

162 103.4 79.9 119.9

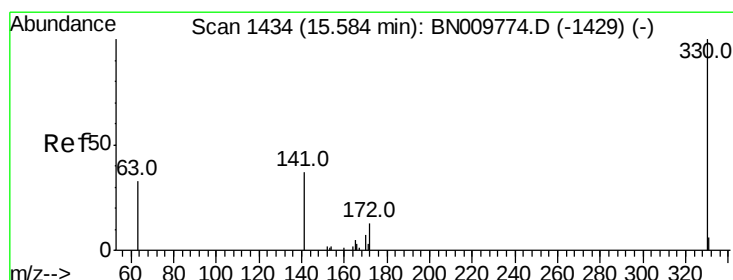
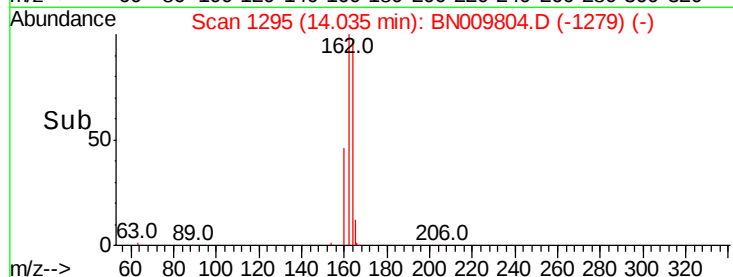
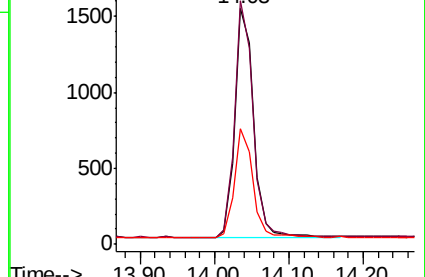
160 49.3 38.2 57.2



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

2,4,6-Tribromophenol

Concen: 0.391 ng

RT: 15.57 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

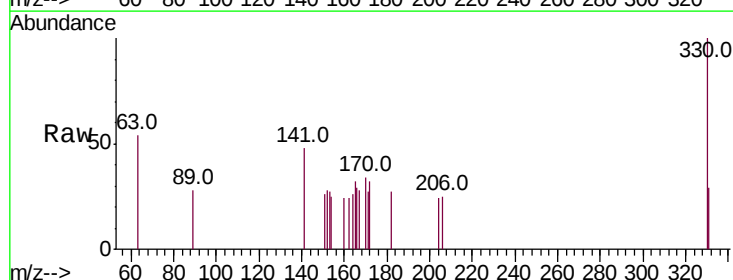
Tgt Ion:330 Resp: 396

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

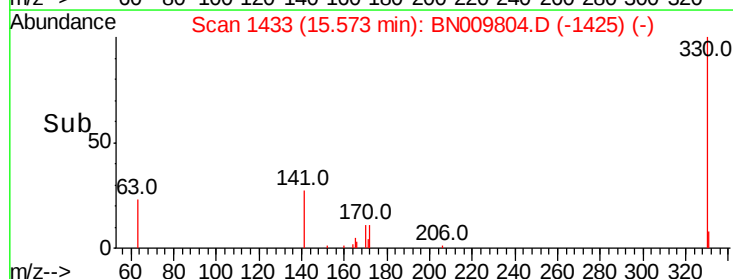
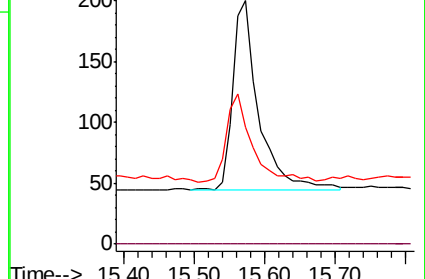
141 46.7 36.8 55.2

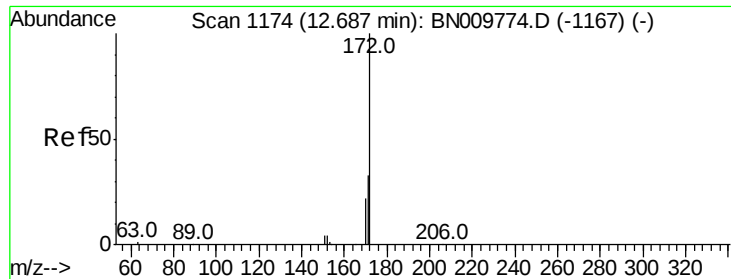


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

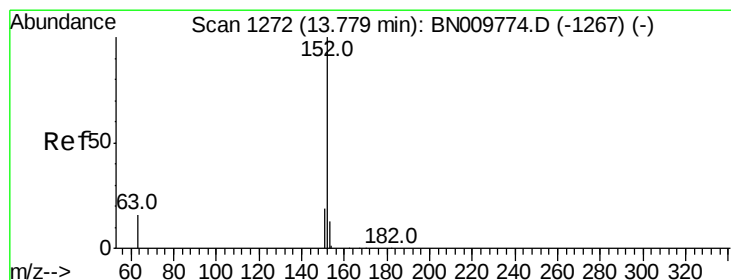
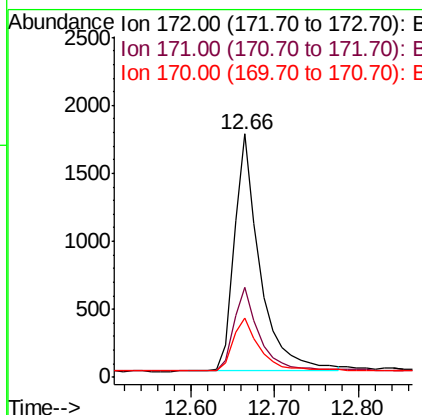
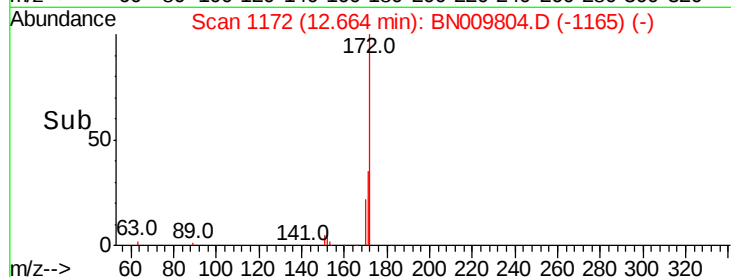
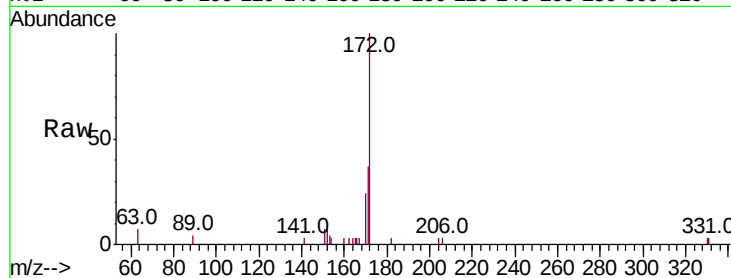




#15  
2-Fluorobiphenyl  
Concen: 0.372 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

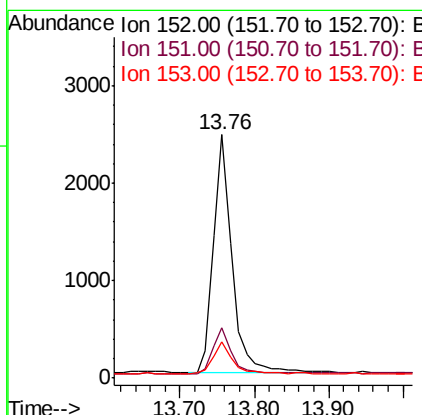
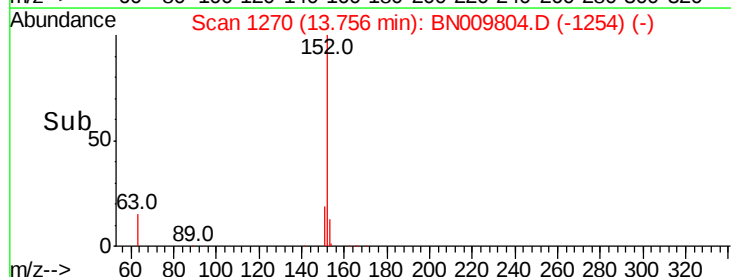
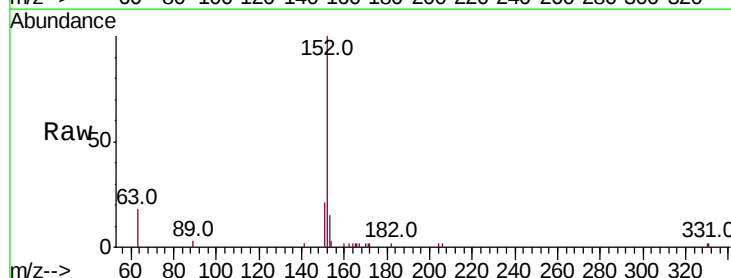
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

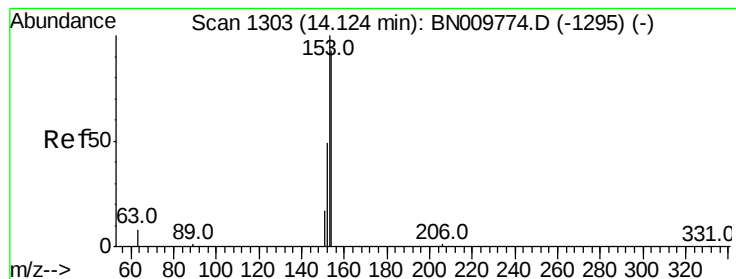
Tot Ion:172 Resp: 3691  
Ion Ratio Lower Upper  
172 100  
171 36.9 28.7 43.1  
170 24.3 20.1 30.1



#16  
Acenaphthylene  
Concen: 0.380 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

Tgt Ion:152 Resp: 4264  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.8 23.6  
153 13.3 10.2 15.4





#17

Acenaphthene

Concen: 0.387 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

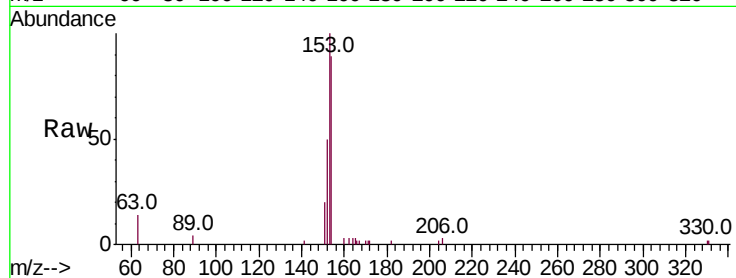
Tot Ion:154 Resp: 3049

Ion Ratio Lower Upper

154 100

153 112.1 88.9 133.3

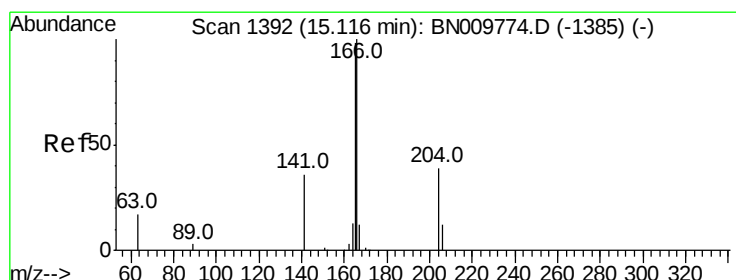
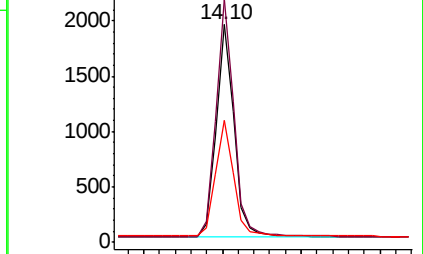
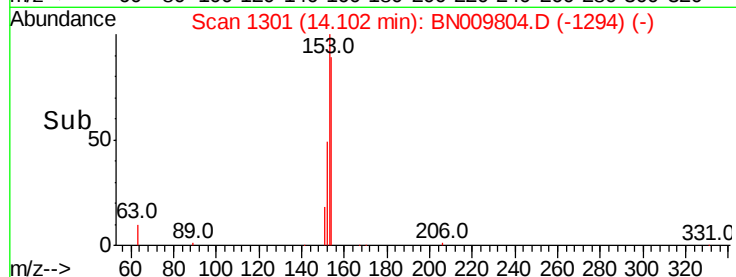
152 55.0 44.2 66.2



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: 0.373 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

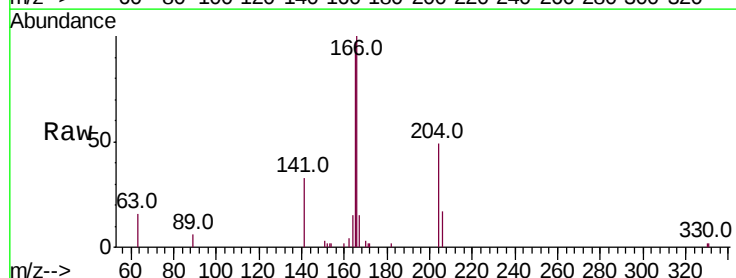
Tgt Ion:166 Resp: 3880

Ion Ratio Lower Upper

166 100

165 97.0 77.2 115.8

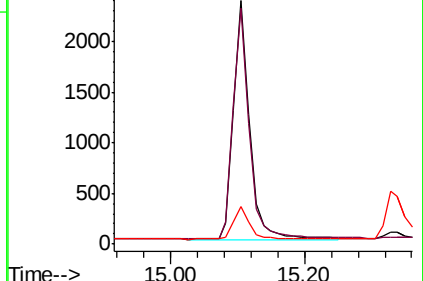
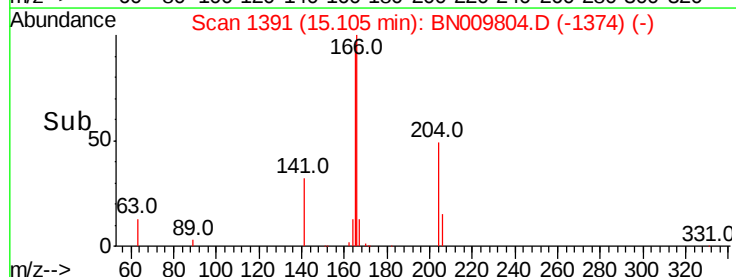
167 14.3 10.5 15.7

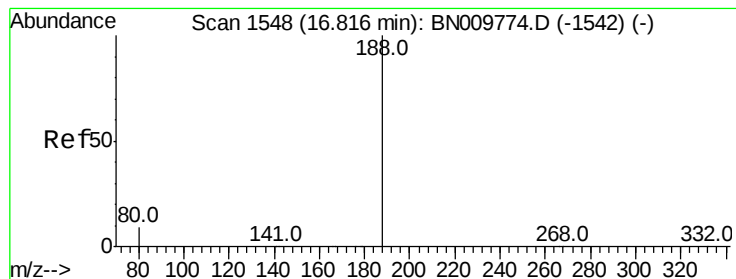


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

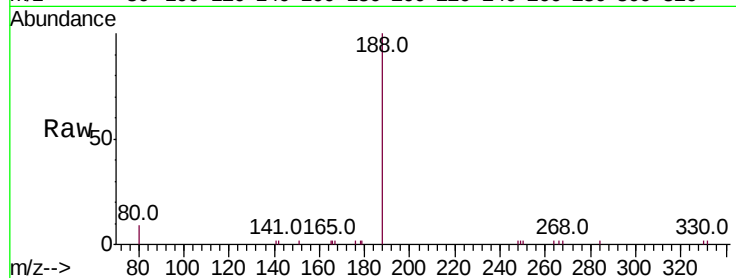
Tot Ion:188 Resp: 5715

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

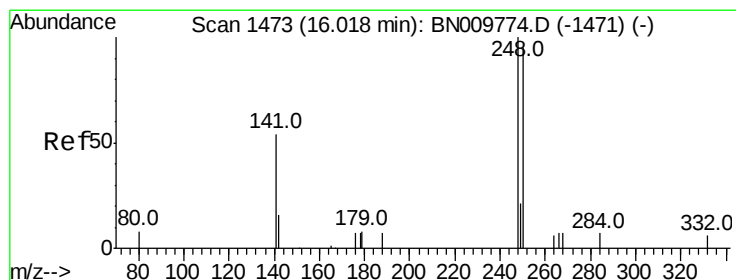
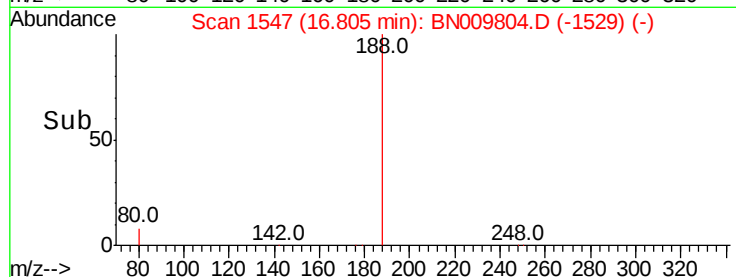
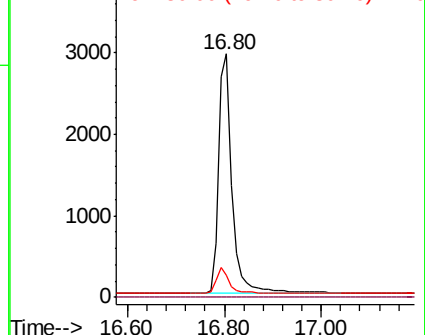
80 9.3 8.3 12.5



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: 0.214 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

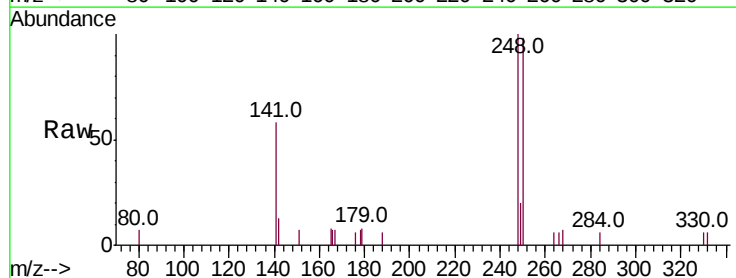
Tgt Ion:248 Resp: 1032

Ion Ratio Lower Upper

248 100

250 97.9 76.2 114.4

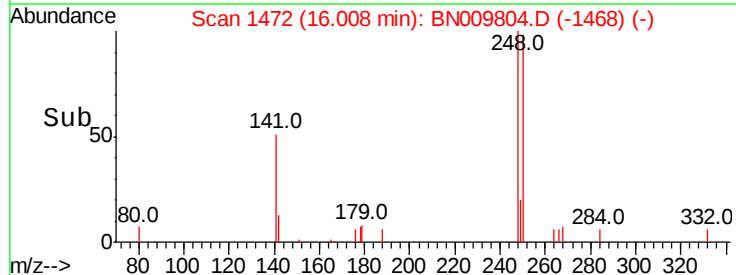
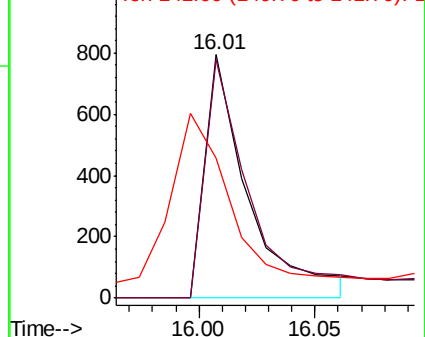
141 57.6 57.8 86.6#

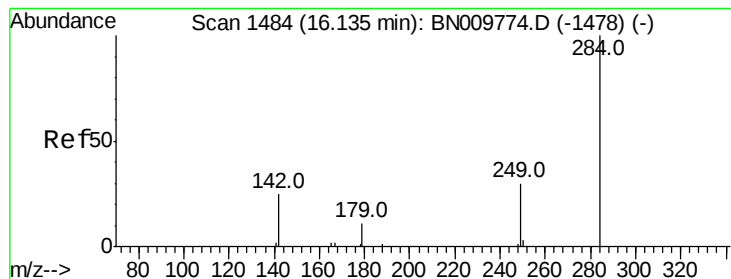


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.404 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

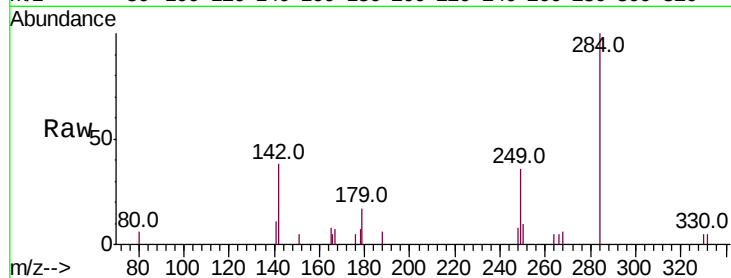
Tot Ion:284 Resp: 1436

Ion Ratio Lower Upper

284 100

142 39.3 33.3 49.9

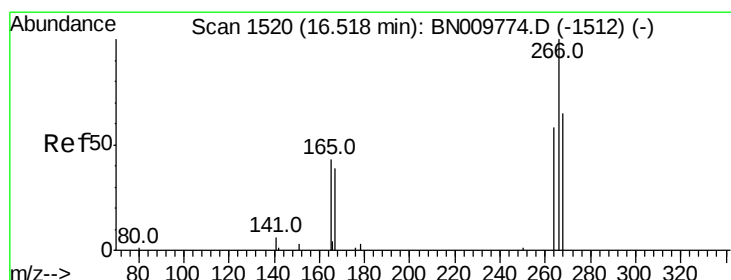
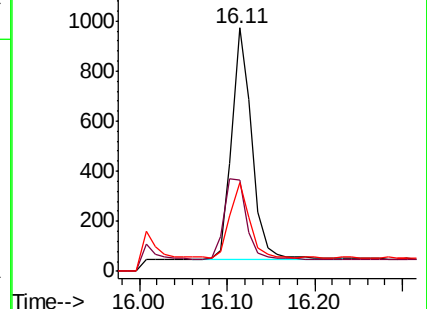
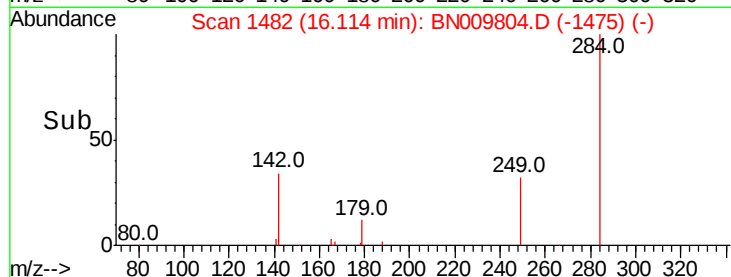
249 32.3 25.7 38.5



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: 0.432 ng

RT: 16.50 min Scan# 1518

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

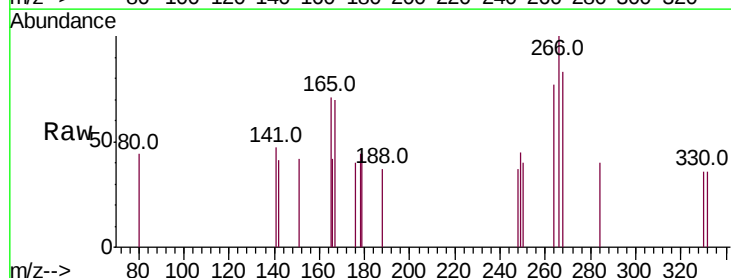
Tgt Ion:266 Resp: 302

Ion Ratio Lower Upper

266 100

264 76.6 58.1 87.1

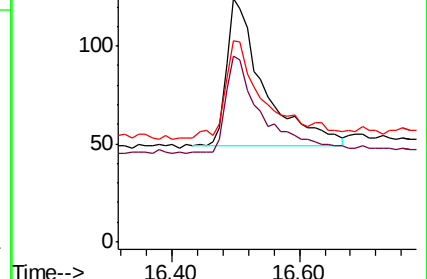
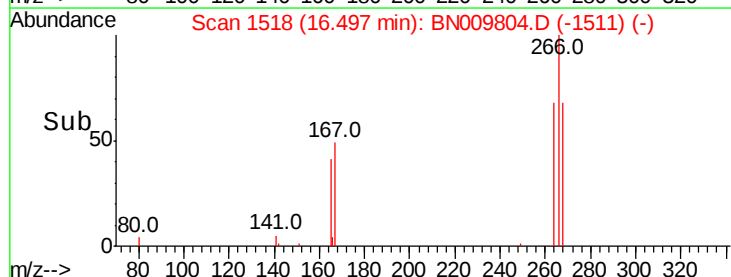
268 83.1 65.7 98.5

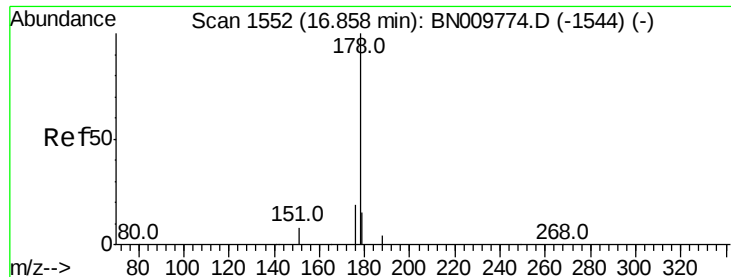


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.372 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

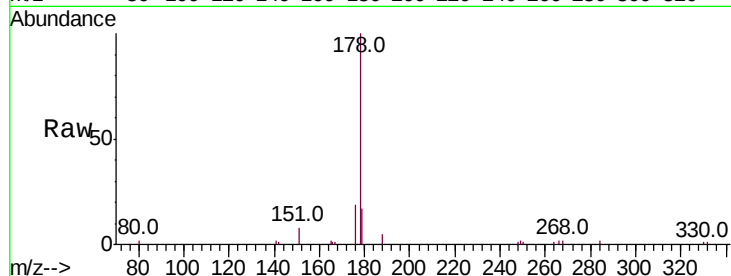
Tot Ion:178 Resp: 6329

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

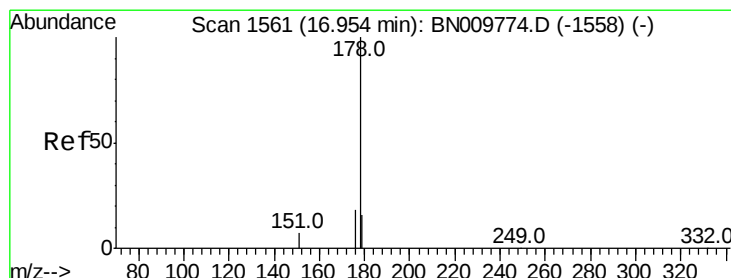
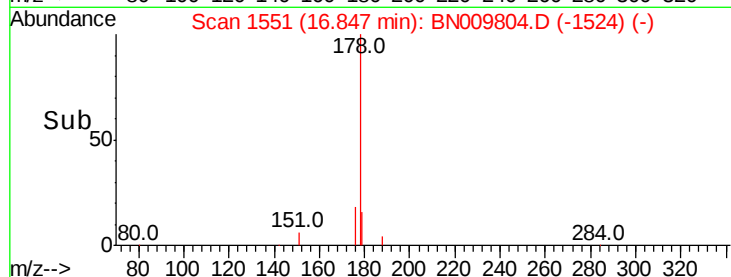
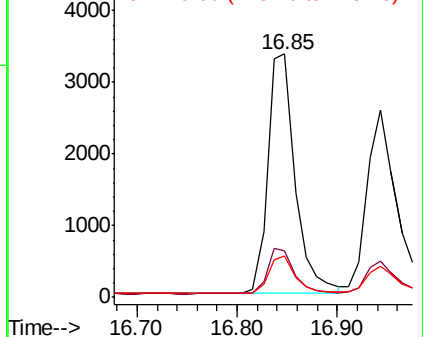
179 15.6 12.4 18.6



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: 0.371 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

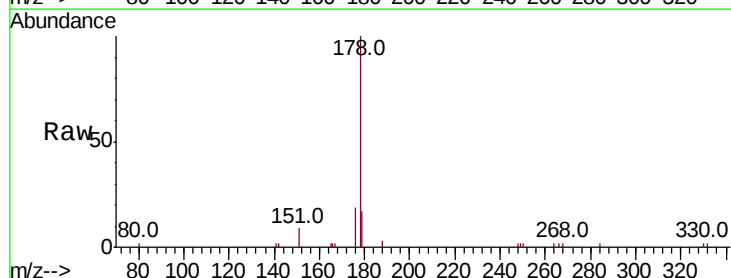
Tgt Ion:178 Resp: 5341

Ion Ratio Lower Upper

178 100

176 18.3 14.3 21.5

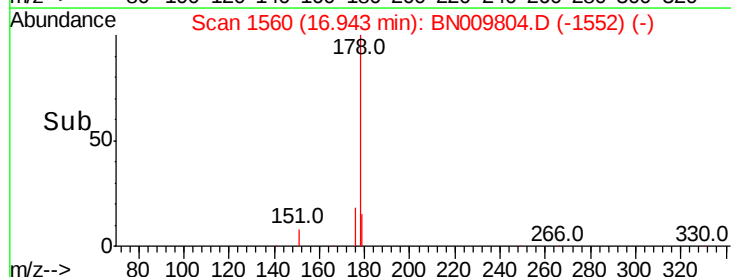
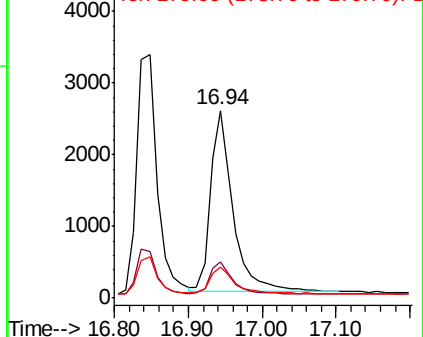
179 15.2 12.4 18.6

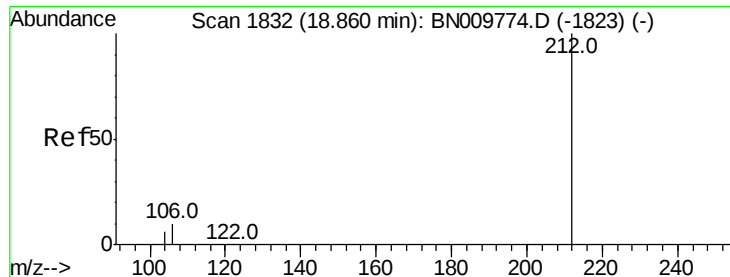


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

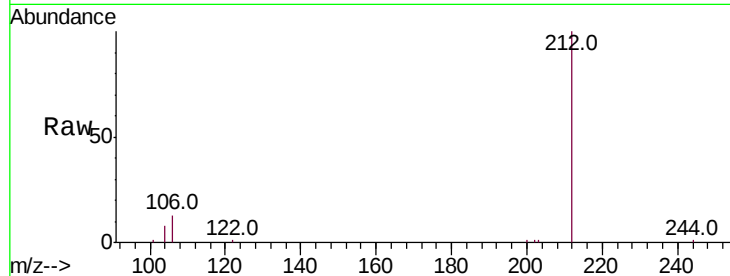




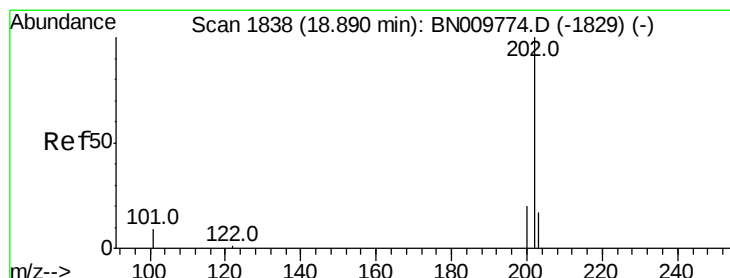
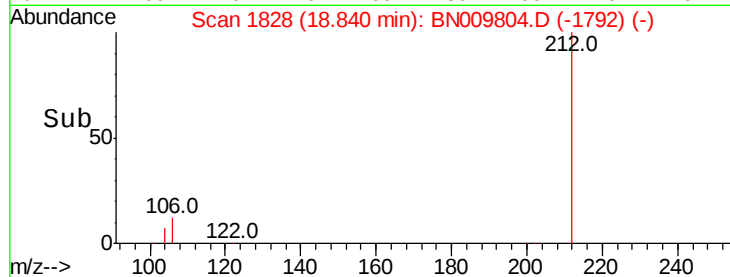
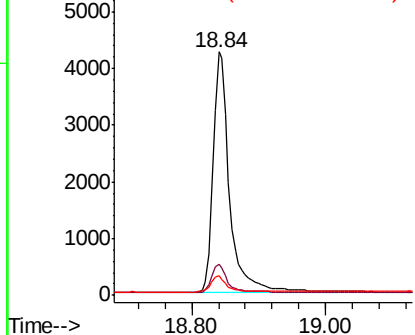
#25  
 Fluoranthene-d10  
 Concen: 0.370 ng  
 RT: 18.84 min Scan# 1828  
 Delta R.T. -0.02 min  
 Lab File: BN009804.D  
 Acq: 21 Feb 2020 12:36

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion:212 Resp: 7318  
 Ion Ratio Lower Upper  
 212 100  
 106 11.4 8.4 12.6  
 104 6.6 4.8 7.2

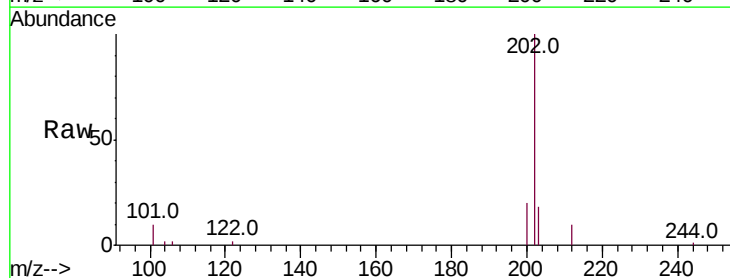


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

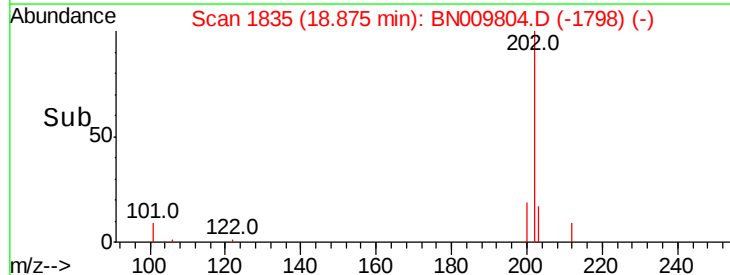
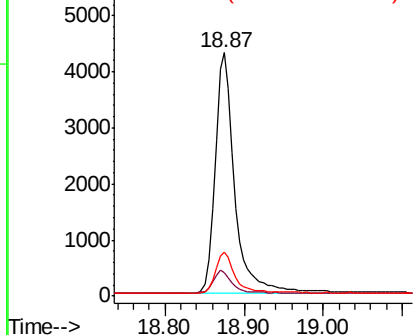


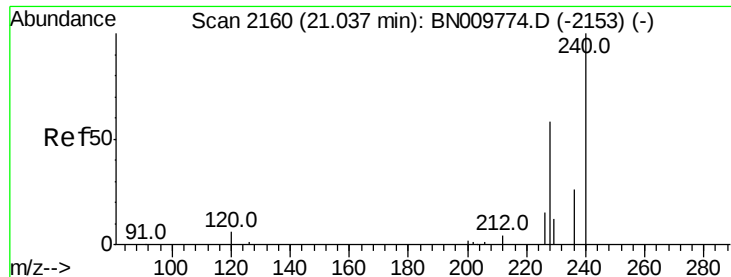
#26  
 Fluoranthene  
 Concen: 0.369 ng  
 RT: 18.87 min Scan# 1835  
 Delta R.T. -0.02 min  
 Lab File: BN009804.D  
 Acq: 21 Feb 2020 12:36

Tgt Ion:202 Resp: 7505  
 Ion Ratio Lower Upper  
 202 100  
 101 9.4 7.1 10.7  
 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

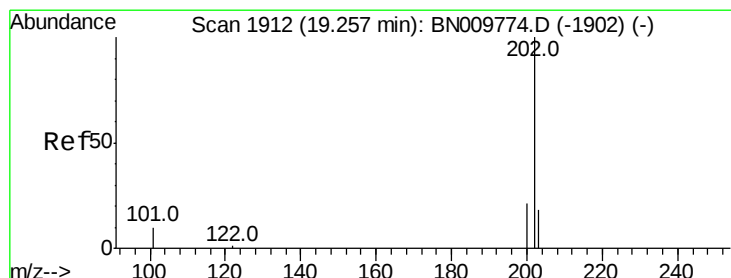
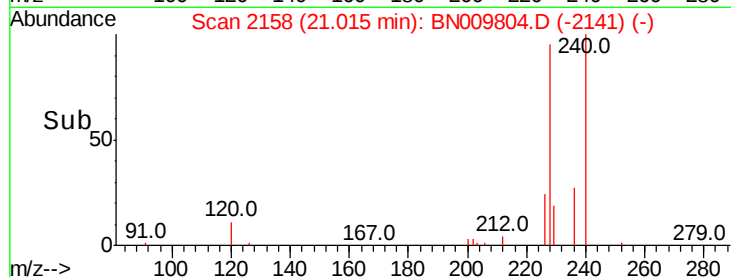
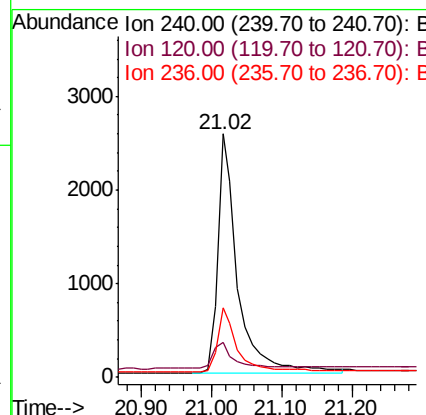
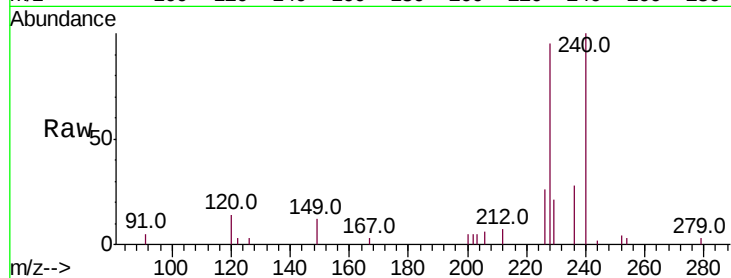




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.02 min Scan# 2158  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

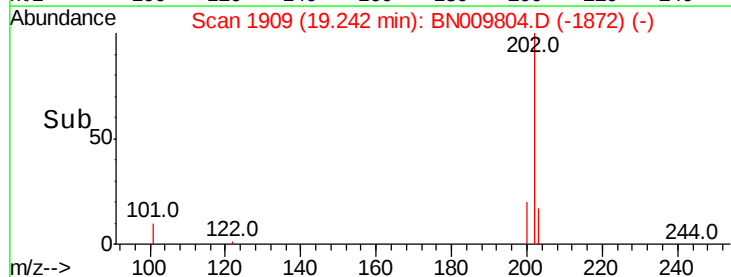
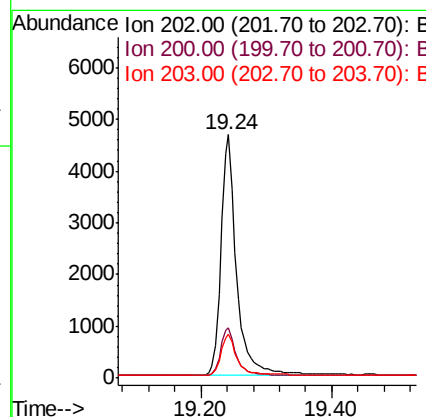
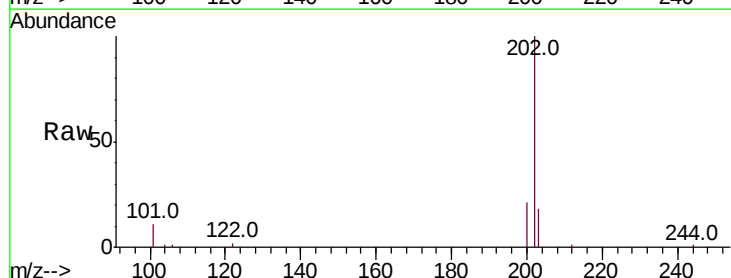
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

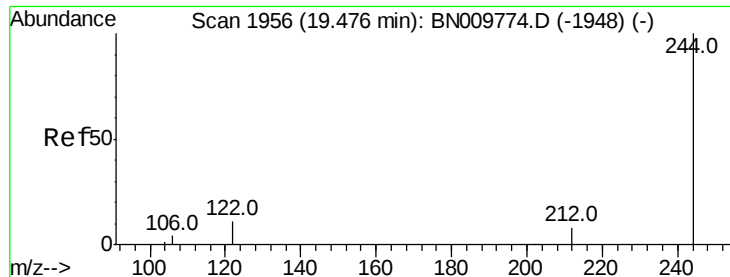
Tot Ion:240 Resp: 5048  
Ion Ratio Lower Upper  
240 100  
120 14.2 7.9 11.9#  
236 28.5 22.0 33.0



#28  
Pyrene  
Concen: 0.403 ng  
RT: 19.24 min Scan# 1909  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

Tgt Ion:202 Resp: 7725  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.4 24.6  
203 17.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

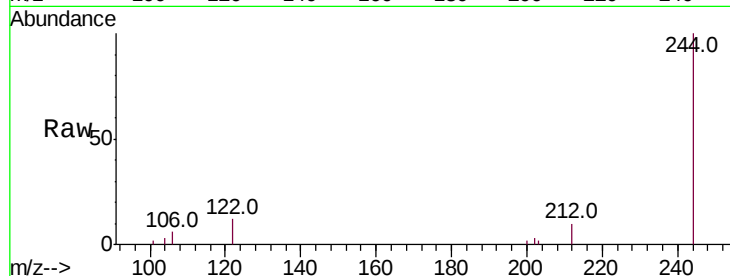
Tot Ion:244 Resp: 4594

Ion Ratio Lower Upper

244 100

212 9.9 8.0 12.0

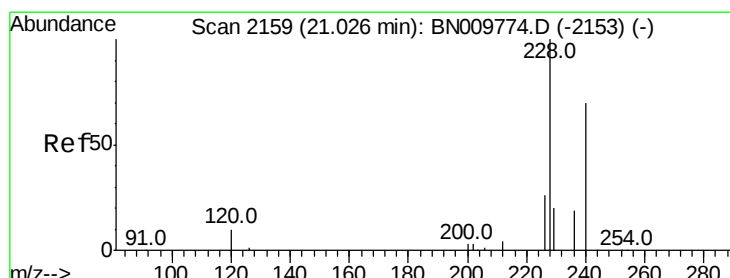
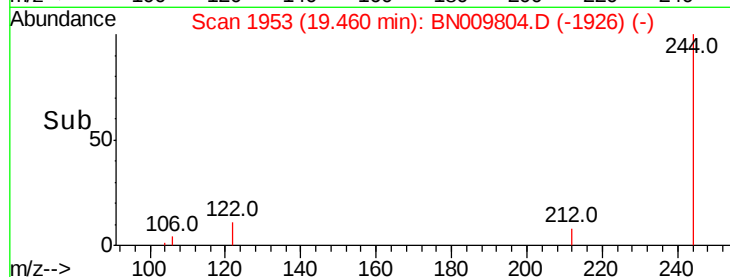
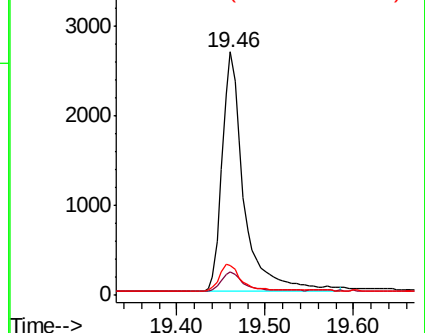
122 12.2 10.0 15.0



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: 0.372 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

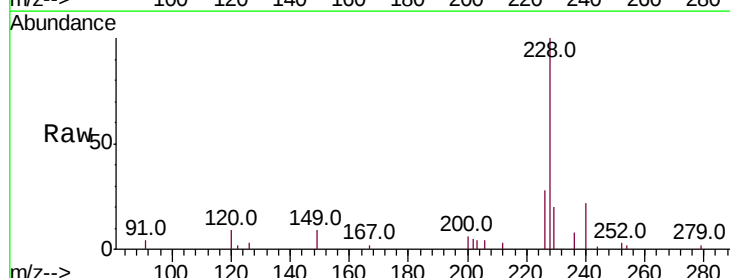
Tgt Ion:228 Resp: 6228

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

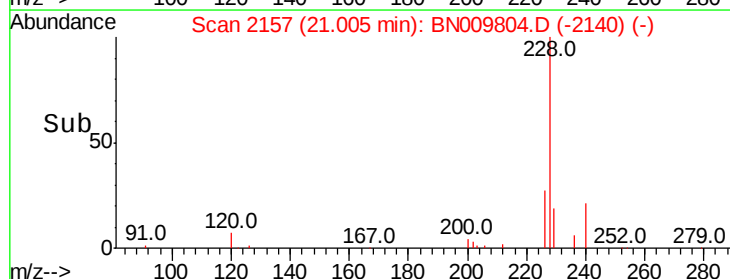
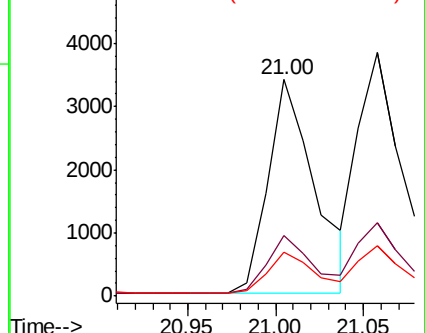
229 20.2 17.1 25.7

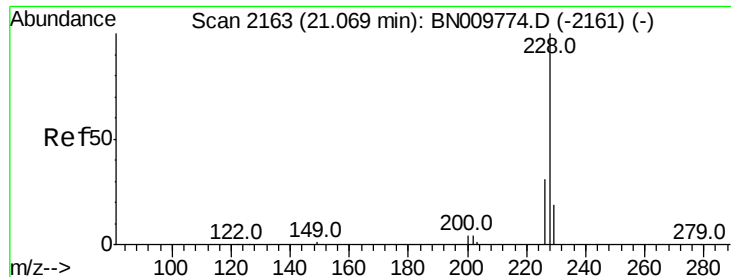


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.363 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

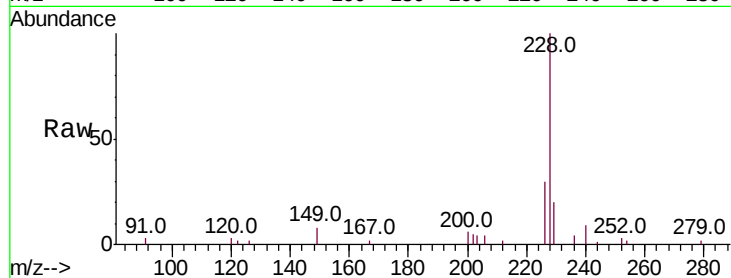
BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:228 Resp: 7033

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.9  | 24.8  | 37.2  |
| 229 | 20.4  | 16.4  | 24.6  |

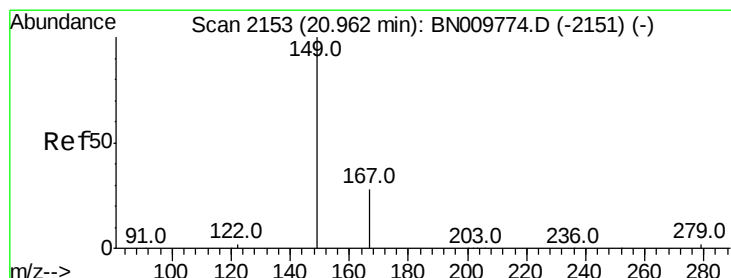
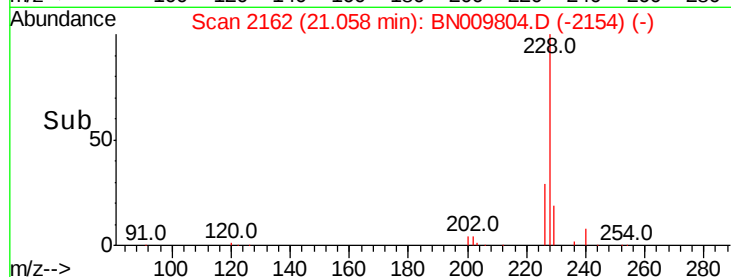
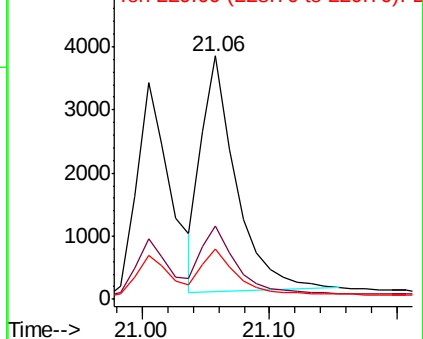


Abundance

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: 0.436 ng

RT: 20.95 min Scan# 2152

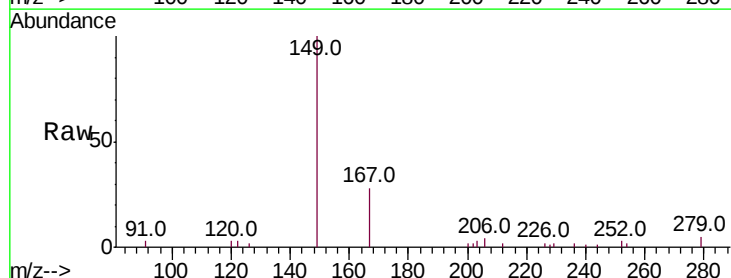
Delta R.T. -0.01 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Tgt Ion:149 Resp: 3564

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.3  | 22.7  | 34.1  |
| 279 | 4.0   | 3.1   | 4.7   |

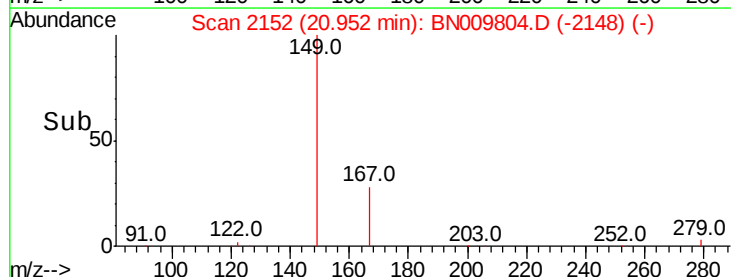
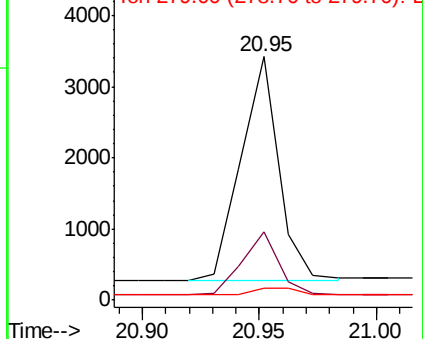


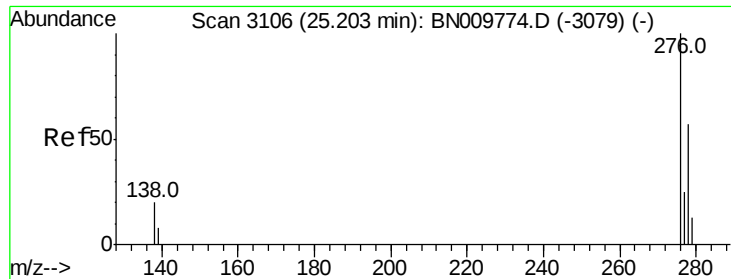
Abundance

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: 0.390 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.03 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

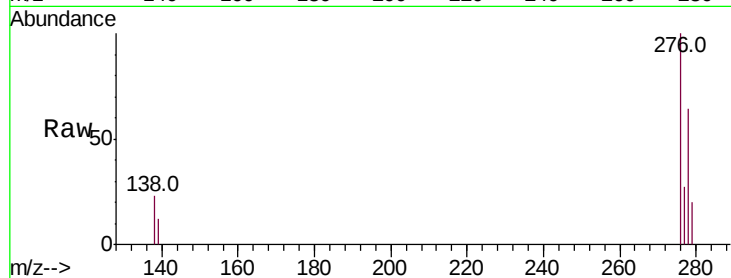
Tot Ion:276 Resp: 7878

Ion Ratio Lower Upper

276 100

138 19.3 15.8 23.6

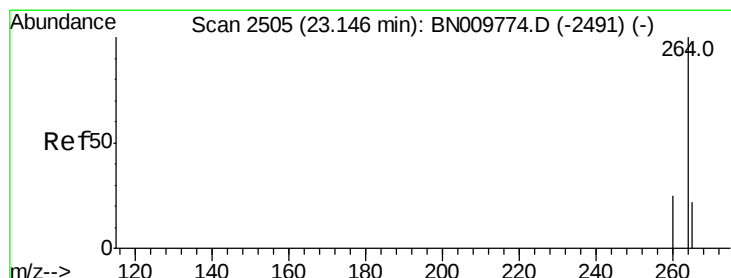
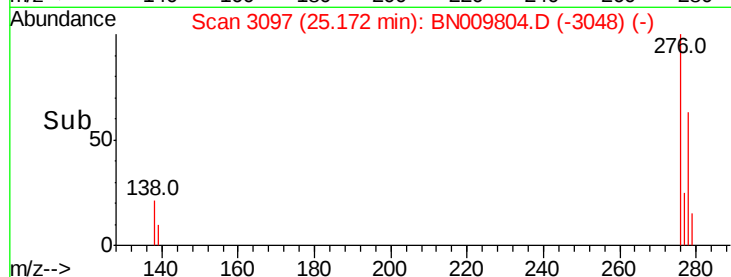
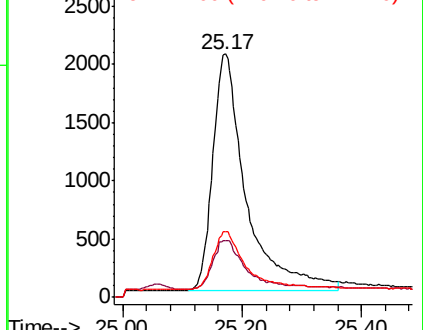
277 22.0 19.3 28.9



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: 23.12 min Scan# 2498

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

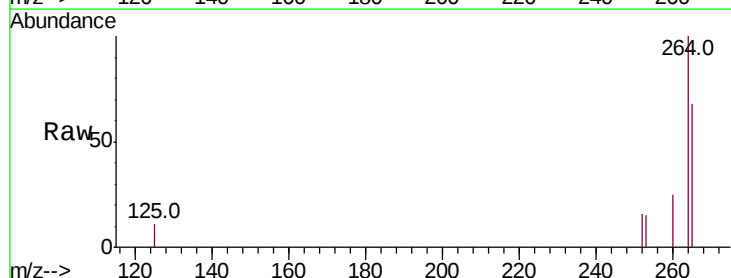
Tgt Ion:264 Resp: 5382

Ion Ratio Lower Upper

264 100

260 25.4 21.1 31.7

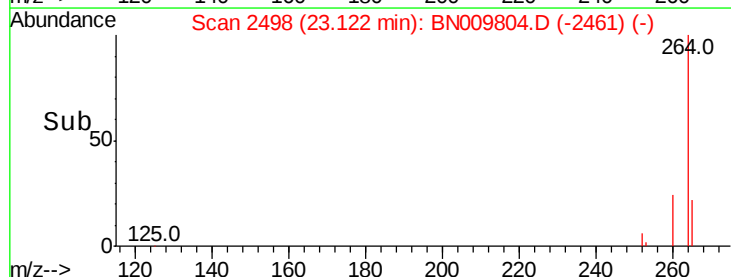
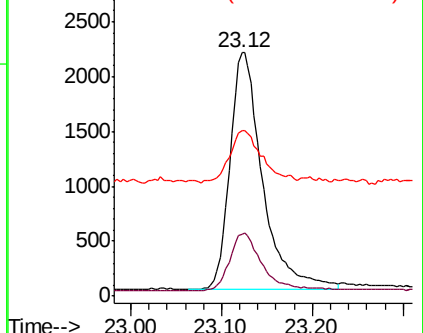
265 67.8 57.5 86.3

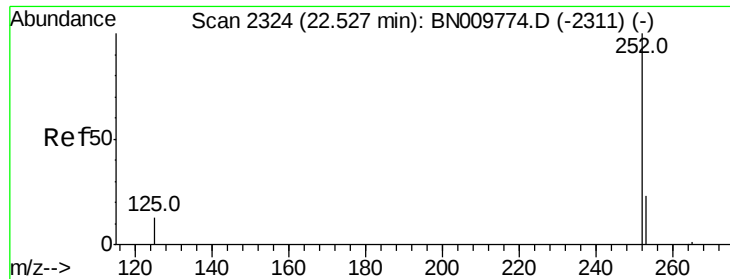


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

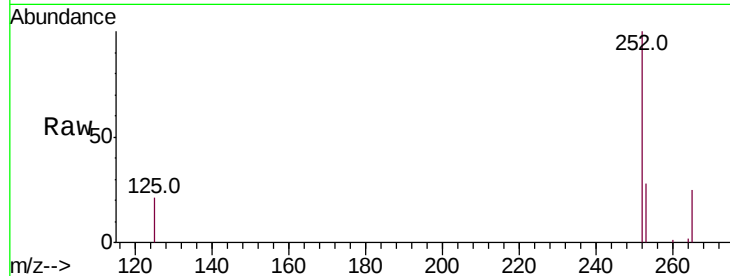




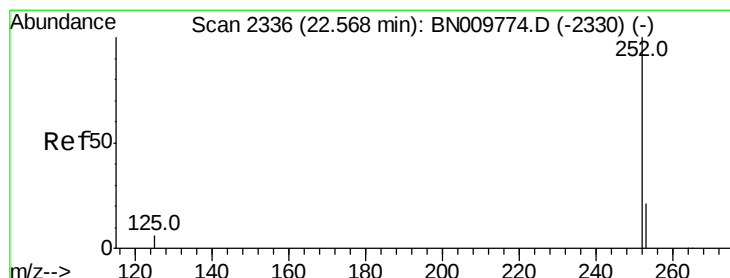
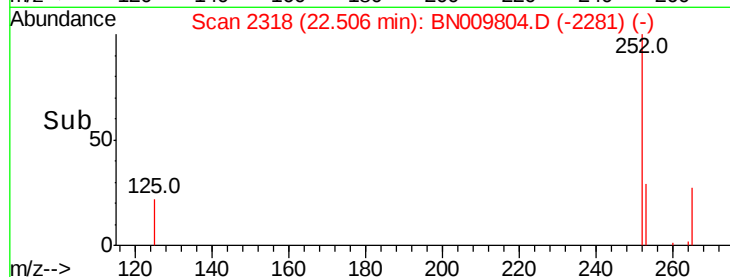
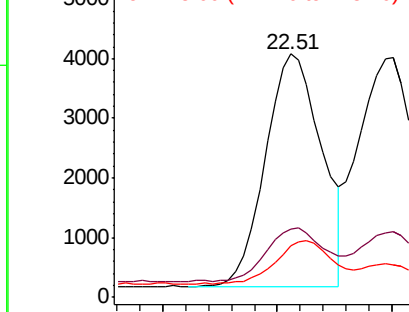
#35  
Benzo(b)fluoranthene  
Concen: 0.338 ng  
RT: 22.51 min Scan# 2318  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 6654  
Ion Ratio Lower Upper  
252 100  
253 27.8 23.0 34.6  
125 21.0 14.4 21.6

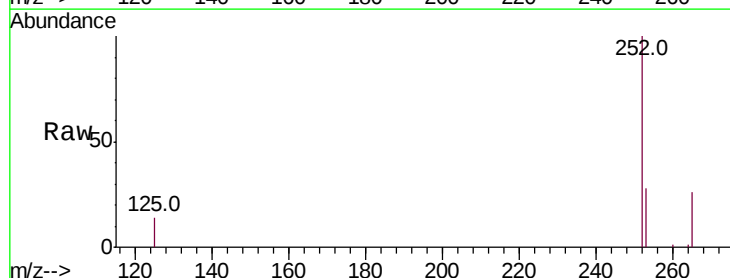


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

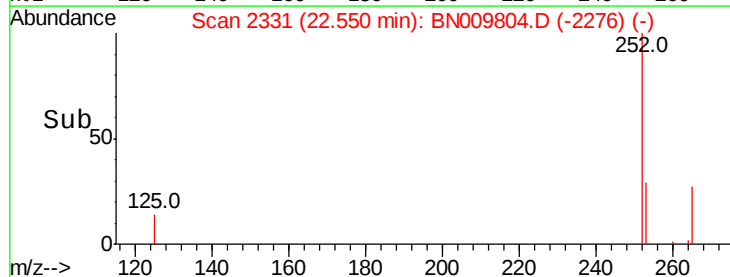
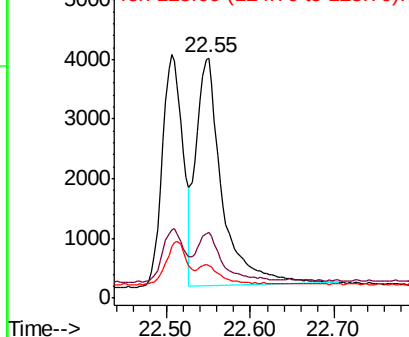


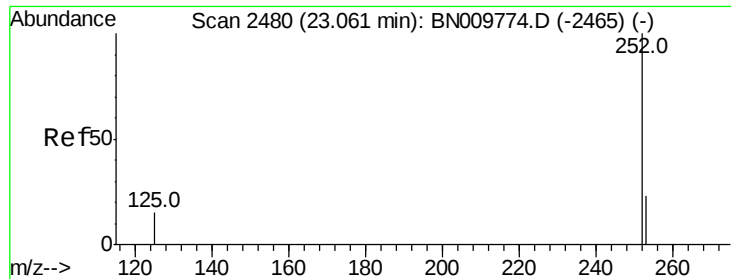
#36  
Benzo(k)fluoranthene  
Concen: 0.386 ng  
RT: 22.55 min Scan# 2331  
Delta R.T. -0.02 min  
Lab File: BN009804.D  
Acq: 21 Feb 2020 12:36

Tgt Ion:252 Resp: 8278  
Ion Ratio Lower Upper  
252 100  
253 27.6 22.2 33.2  
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: 0.376 ng

RT: 23.04 min Scan# 2473

Delta R.T. -0.02 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

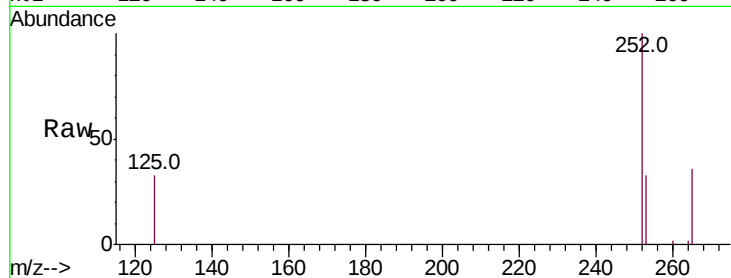
Tot Ion:252 Resp: 6755

Ion Ratio Lower Upper

252 100

253 32.7 25.3 37.9

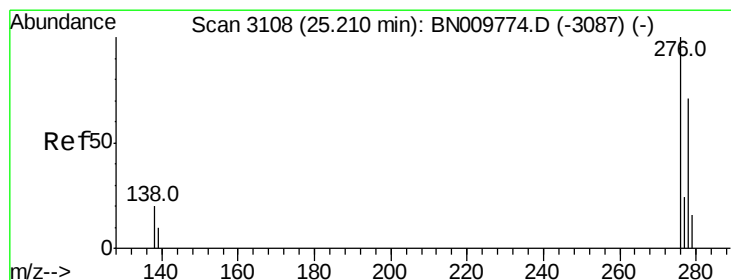
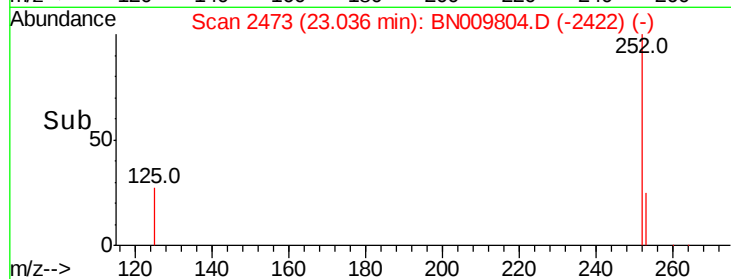
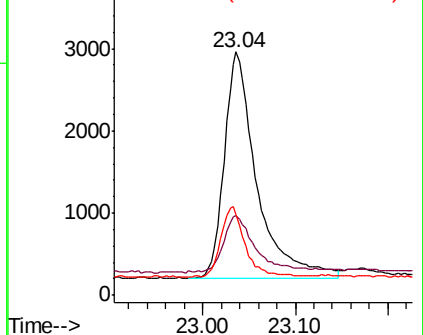
125 33.1 17.7 26.5#



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: 0.347 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.03 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

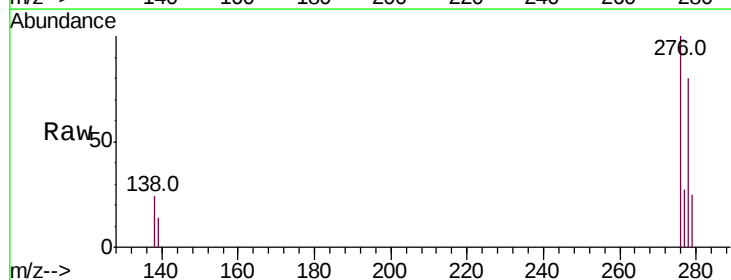
Tgt Ion:278 Resp: 6134

Ion Ratio Lower Upper

278 100

139 17.8 14.5 21.7

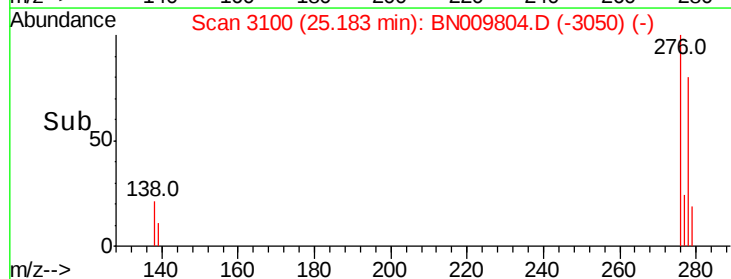
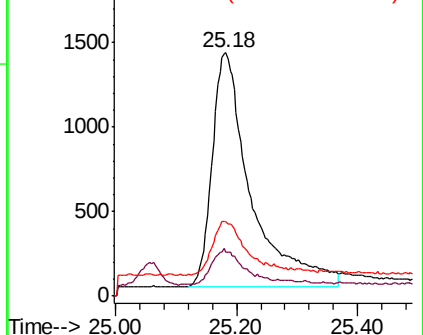
279 30.8 24.3 36.5

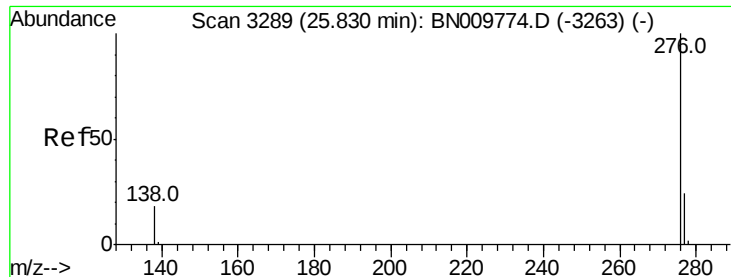


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.371 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.03 min

Lab File: BN009804.D

Acq: 21 Feb 2020 12:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

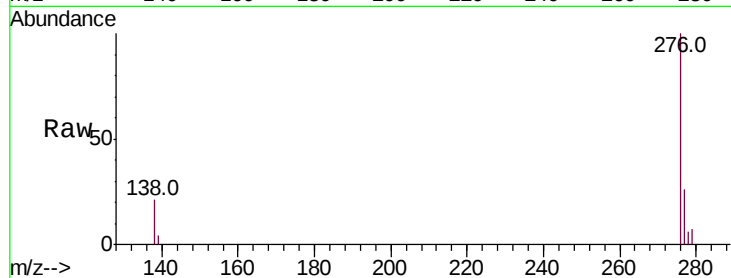
Tot Ion:276 Resp: 6992

Ion Ratio Lower Upper

276 100

277 25.9 21.4 32.0

138 21.1 16.6 24.8



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

