

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120919\  
 Data File : BN008894.D  
 Acq On : 09 Dec 2019 15:42  
 Operator : JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

Quant Time: Dec 09 16:21:18 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  | 2909     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.32 | 136  | 12335    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.19 | 164  | 8515     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.93 | 188  | 18360    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.13 | 240  | 20887    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.28 | 264  | 21737    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.20  | 112 | 23772  | 3.02 | ng | 0.00 |
| 5) Phenol-d6                | 6.75  | 99  | 33967  | 3.17 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.69  | 82  | 34966  | 3.21 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.91 | 152 | 68079  | 3.33 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.68 | 330 | 14391  | 3.11 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.80 | 172 | 105439 | 3.30 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.97 | 212 | 189548 | 3.41 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.58 | 244 | 153159 | 3.18 | ng | 0.00 |

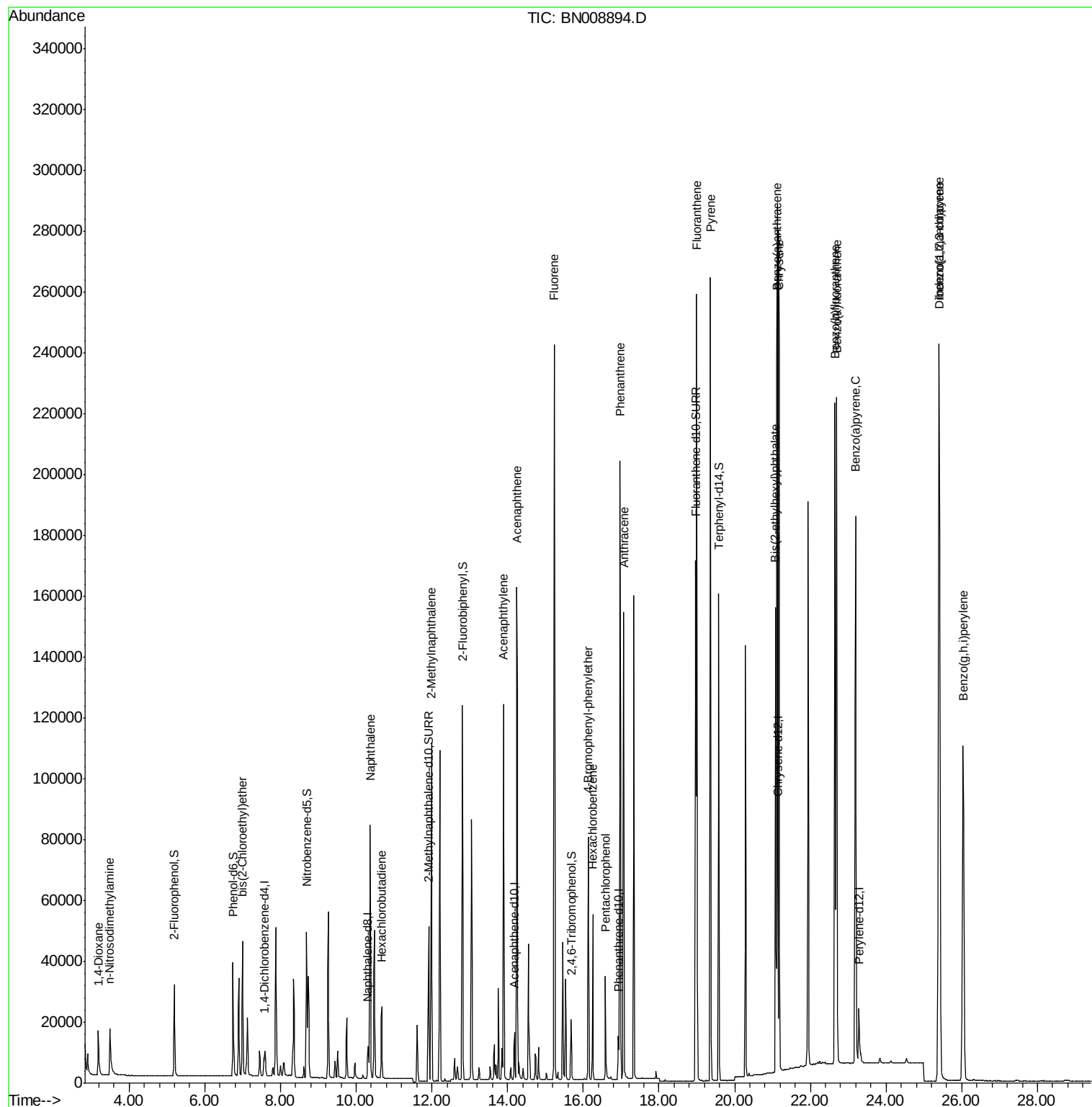
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 9188   | 3.288  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.49  | 42  | 13788  | 3.570  | ng | # 96  |
| 6) bis(2-Chloroethyl)ether     | 7.00  | 93  | 30983  | 3.211  | ng | 97    |
| 9) Naphthalene                 | 10.37 | 128 | 108055 | 3.285  | ng | 98    |
| 10) Hexachlorobutadiene        | 10.67 | 225 | 20640  | 3.183  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 11.99 | 142 | 80176  | 3.306  | ng | 99    |
| 16) Acenaphthylene             | 13.90 | 152 | 133246 | 3.355  | ng | 100   |
| 17) Acenaphthene               | 14.24 | 154 | 83909  | 3.330  | ng | 99    |
| 18) Fluorene                   | 15.23 | 166 | 112127 | 3.355  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.13 | 248 | 36913  | 3.434  | ng | # 90  |
| 21) Hexachlorobenzene          | 16.25 | 284 | 40372  | 3.255  | ng | 100   |
| 22) Pentachlorophenol          | 16.59 | 266 | 16618  | 3.345  | ng | 97    |
| 23) Phenanthrene               | 16.97 | 178 | 191287 | 3.413  | ng | 100   |
| 24) Anthracene                 | 17.07 | 178 | 175898 | 3.418  | ng | 100   |
| 26) Fluoranthene               | 19.00 | 202 | 233769 | 3.464  | ng | 100   |
| 28) Pyrene                     | 19.36 | 202 | 234003 | 3.211  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.12 | 228 | 247180 | 3.274  | ng | 99    |
| 31) Chrysene                   | 21.17 | 228 | 246406 | 3.363  | ng | 96    |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 115541 | 2.296  | ng | 100   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.39 | 276 | 266448 | 2.945  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 22.65 | 252 | 255927 | 3.545  | ng | # 94  |
| 36) Benzo(k)fluoranthene       | 22.69 | 252 | 250943 | 3.538  | ng | # 94  |
| 37) Benzo(a)pyrene             | 23.19 | 252 | 232264 | 3.411  | ng | # 93  |
| 38) Dibenzo(a,h)anthracene     | 25.41 | 278 | 215919 | 3.105  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 26.04 | 276 | 211744 | 3.007  | ng | 99    |

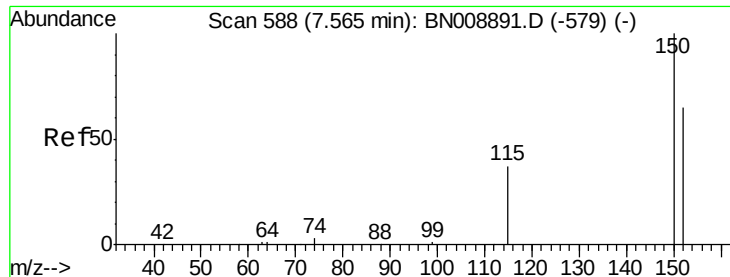
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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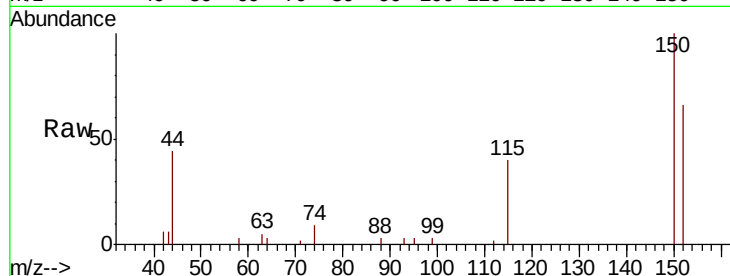


#1

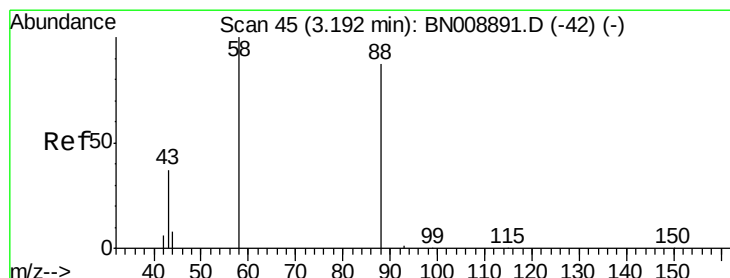
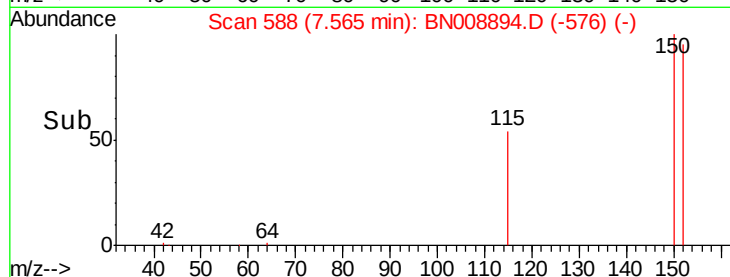
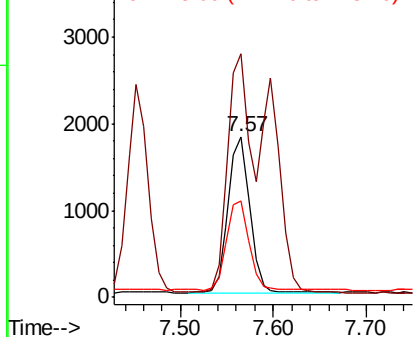
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.57 min Scan# 588  
Delta R.T. 0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

Tot Ion:152 Resp: 2909  
Ion Ratio Lower Upper  
152 100  
150 151.5 122.3 183.5  
115 60.0 48.4 72.6



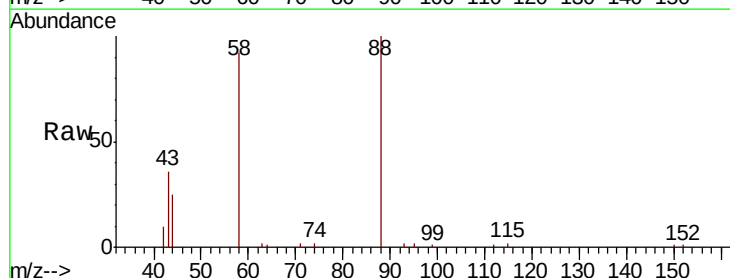
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



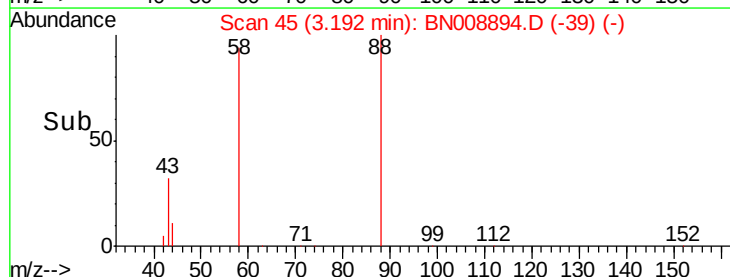
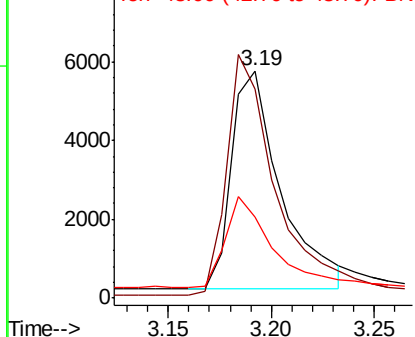
#2

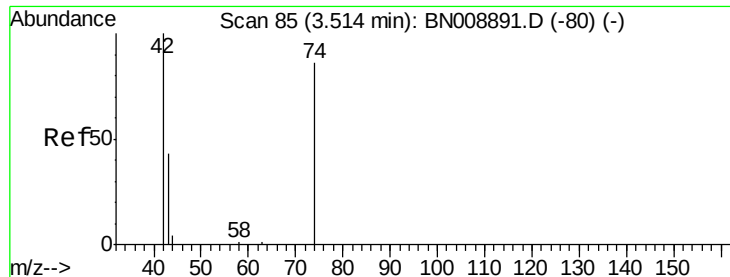
1,4-Dioxane  
Concen: 3.288 ng  
RT: 3.19 min Scan# 45  
Delta R.T. 0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Tgt Ion: 88 Resp: 9188  
Ion Ratio Lower Upper  
88 100  
58 108.0 88.6 132.8  
43 39.6 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



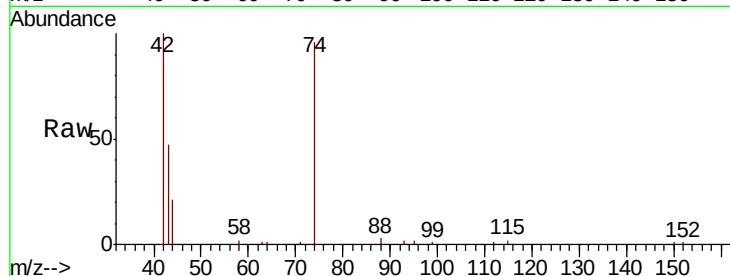


#3

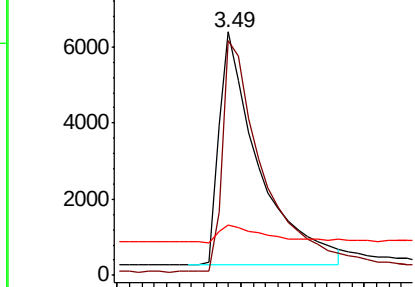
n-Nitrosodimethylamine  
 Concen: 3.570 ng  
 RT: 3.49 min Scan# 82  
 Delta R.T. -0.02 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

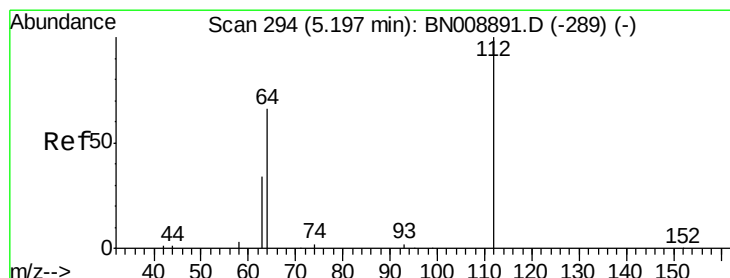
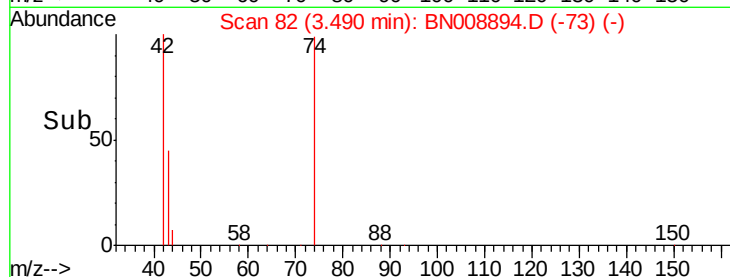
Tot Ion: 42 Resp: 13788  
 Ion Ratio Lower Upper  
 42 100  
 74 102.2 78.6 117.8  
 44 7.7 0.0 0.0#



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



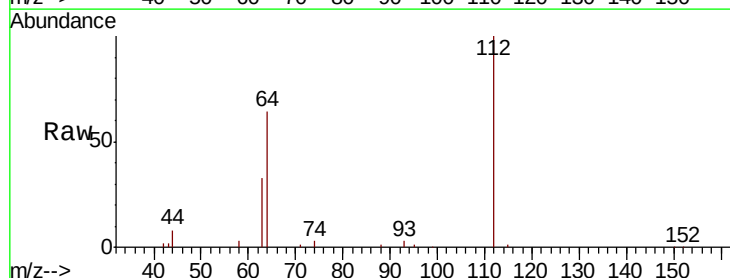
Time-->



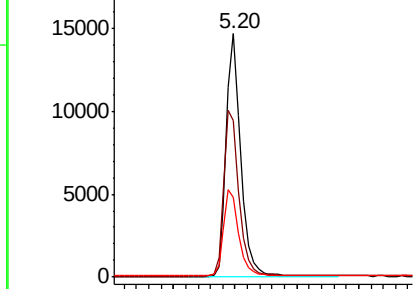
#4

2-Fluorophenol  
 Concen: 3.019 ng  
 RT: 5.20 min Scan# 294  
 Delta R.T. 0.00 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

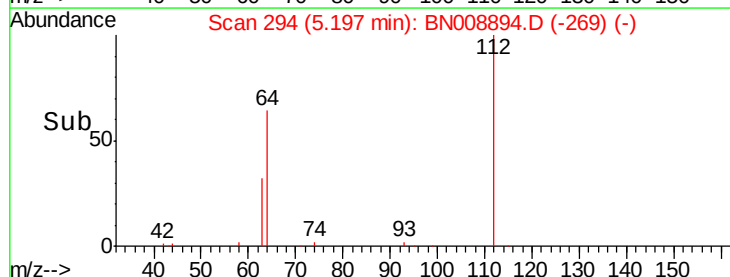
Tgt Ion: 112 Resp: 23772  
 Ion Ratio Lower Upper  
 112 100  
 64 71.7 57.7 86.5  
 63 37.0 29.6 44.4

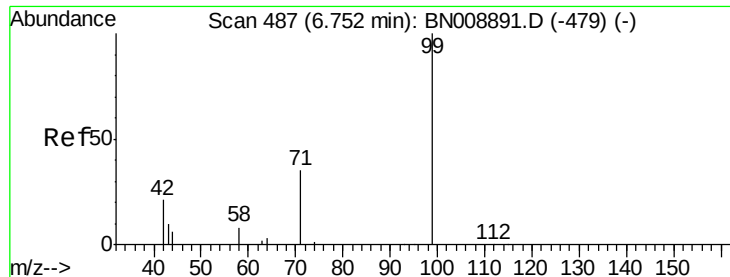


Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BN0  
 Ion 63.00 (62.70 to 63.70): BN0



Time-->





#5

Phenol-d6

Concen: 3.166 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

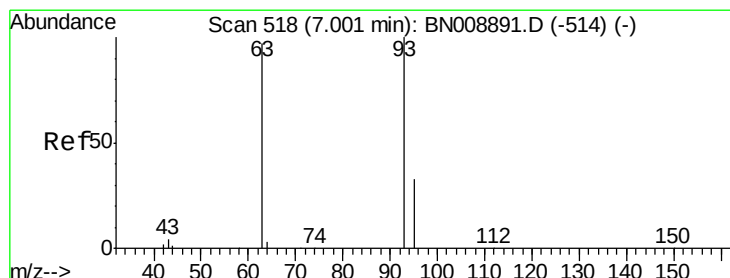
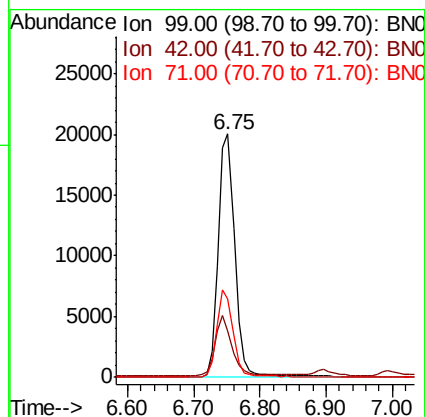
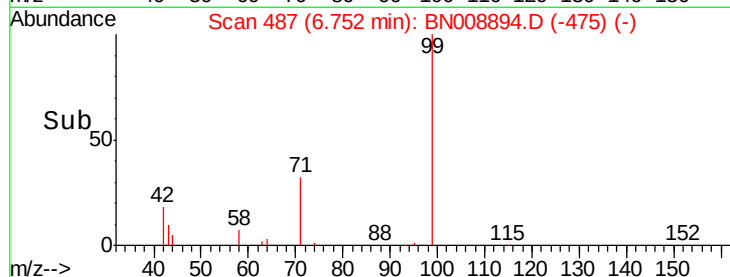
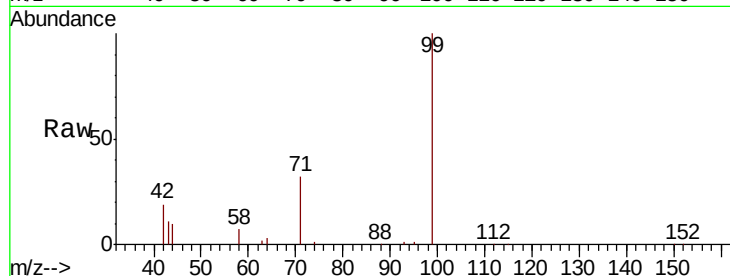
Tot Ion: 99 Resp: 33967

Ion Ratio Lower Upper

99 100

42 24.7 20.1 30.1

71 35.1 28.2 42.2



#6

bis(2-Chloroethyl)ether

Concen: 3.211 ng

RT: 7.00 min Scan# 518

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

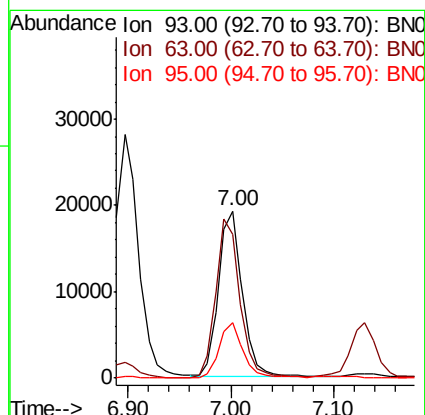
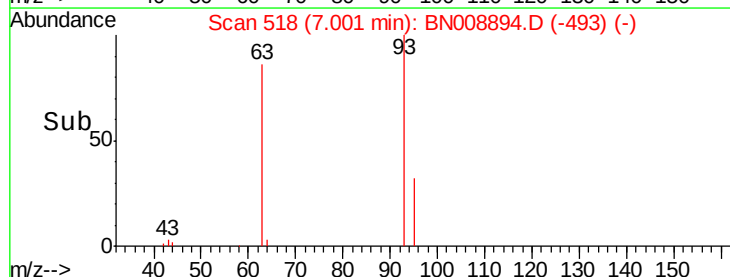
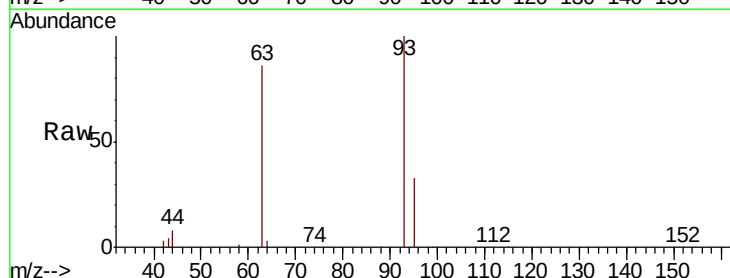
Tgt Ion: 93 Resp: 30983

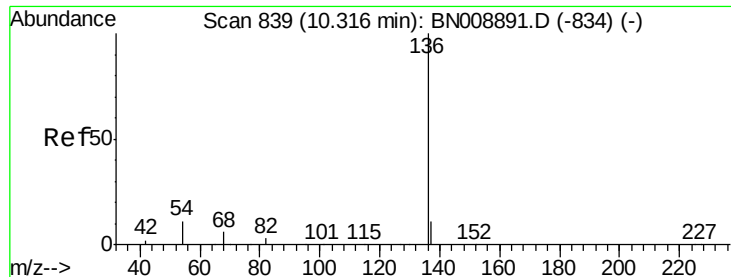
Ion Ratio Lower Upper

93 100

63 95.6 73.5 110.3

95 32.3 26.0 39.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

Tot Ion:136 Resp: 12335

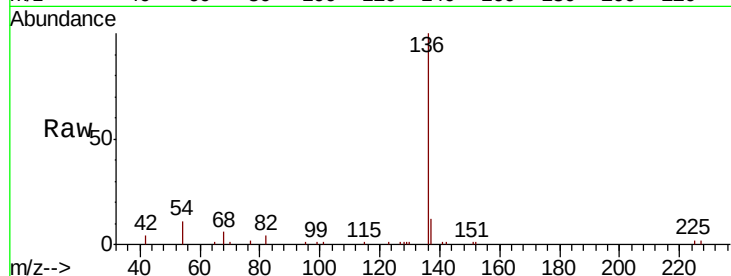
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 10.9 9.6 14.4

68 6.3 5.6 8.4

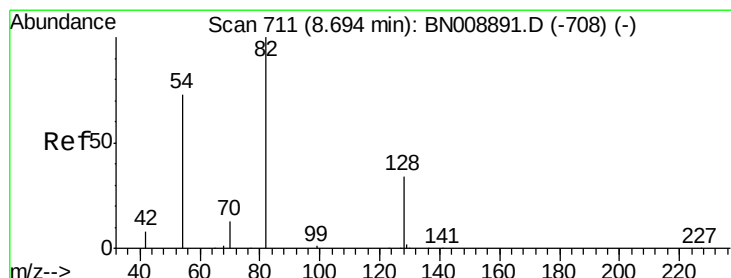
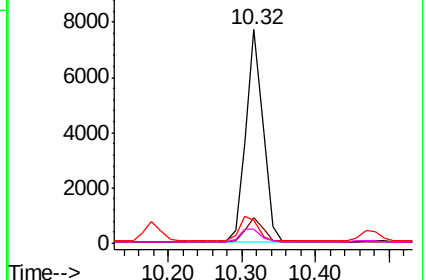
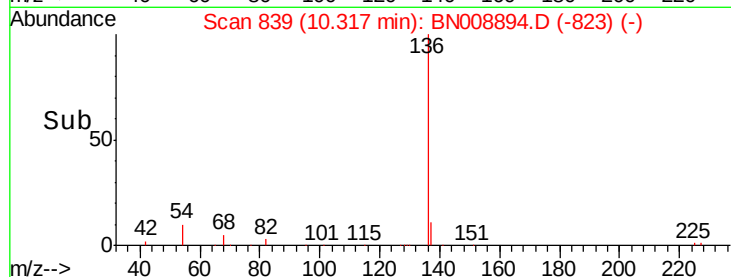


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.212 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

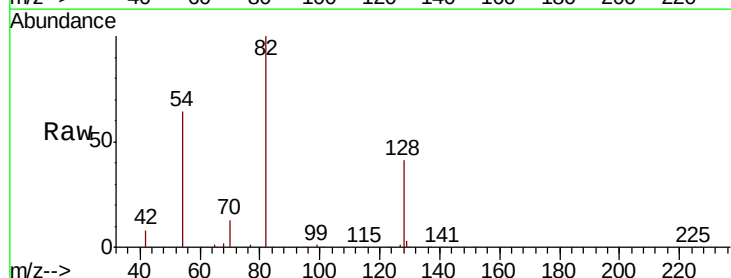
Tgt Ion: 82 Resp: 34966

Ion Ratio Lower Upper

82 100

128 41.0 29.1 43.7

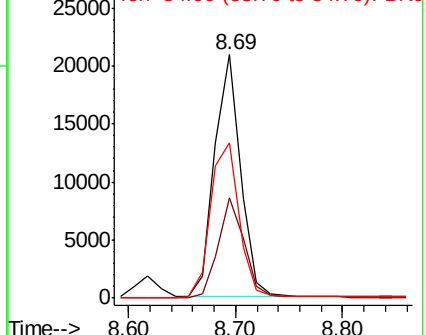
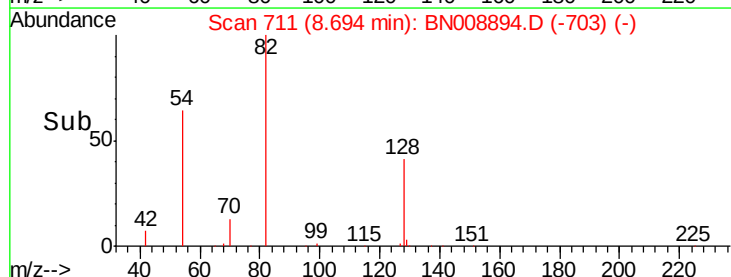
54 64.0 59.7 89.5

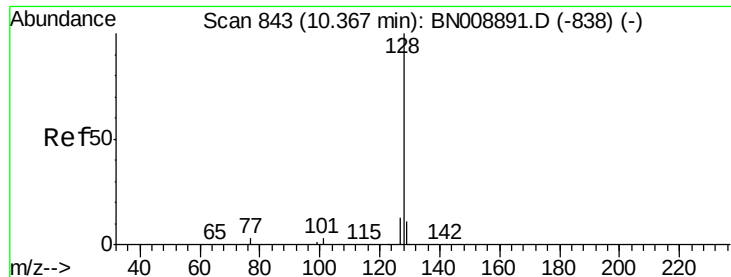


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

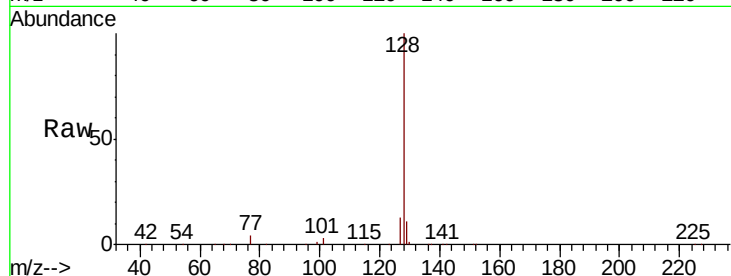




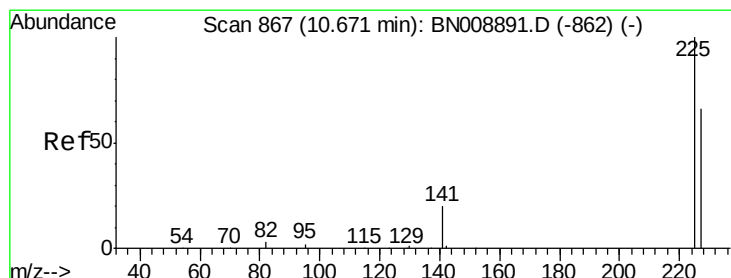
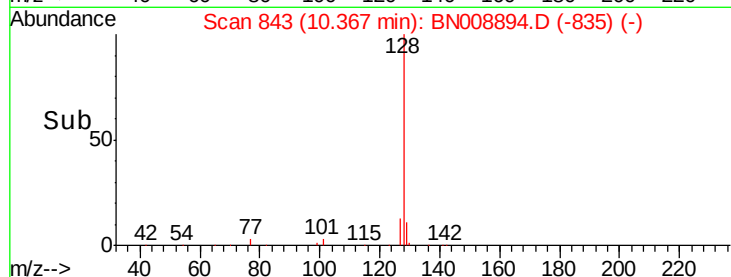
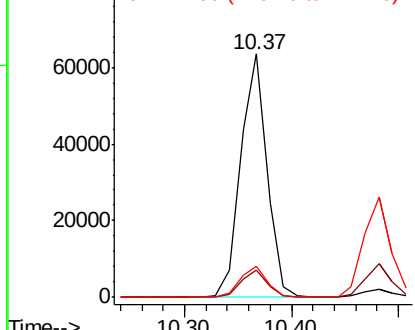
#9  
Naphthalene  
Concen: 3.285 ng  
RT: 10.37 min Scan# 843  
Delta R.T. 0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Instrument :  
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Tot Ion:128 Resp: 108055  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.4 14.0  
127 12.8 10.8 16.2

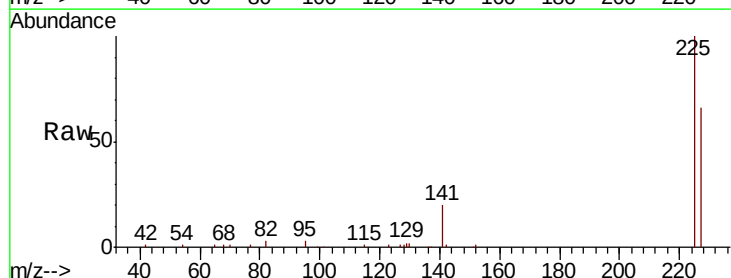


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

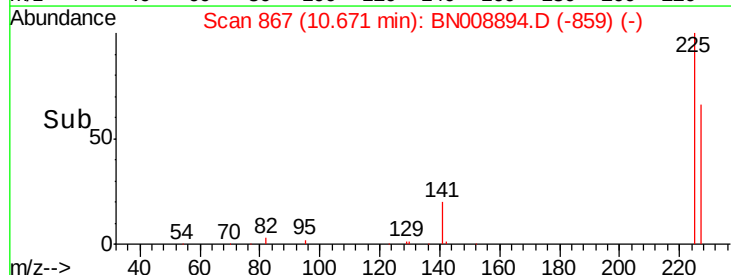
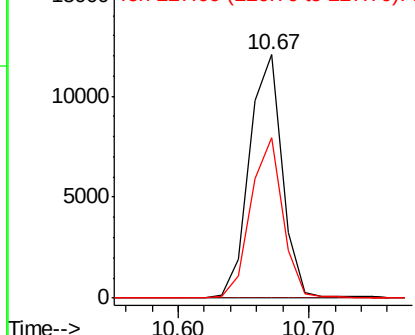


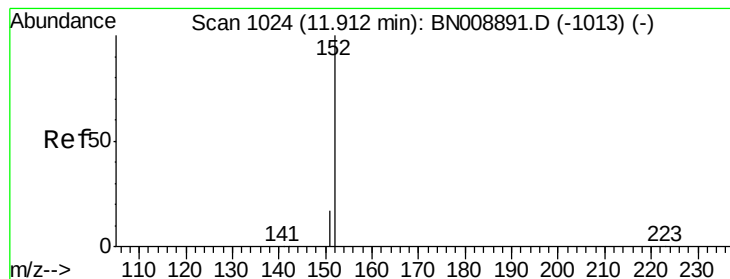
#10  
Hexachlorobutadiene  
Concen: 3.183 ng  
RT: 10.67 min Scan# 867  
Delta R.T. 0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Tgt Ion:225 Resp: 20640  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.9 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: 3.327 ng

RT: 11.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

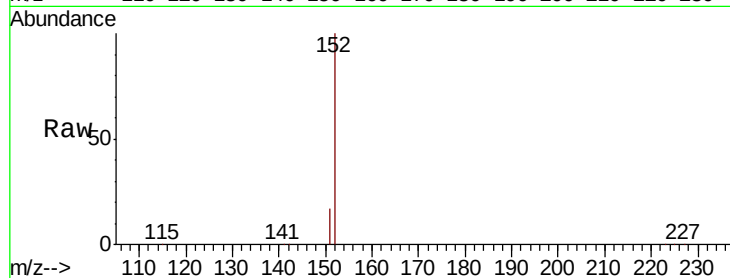
SSTDICC3.2

Tot Ion:152 Resp: 68079

Ion Ratio Lower Upper

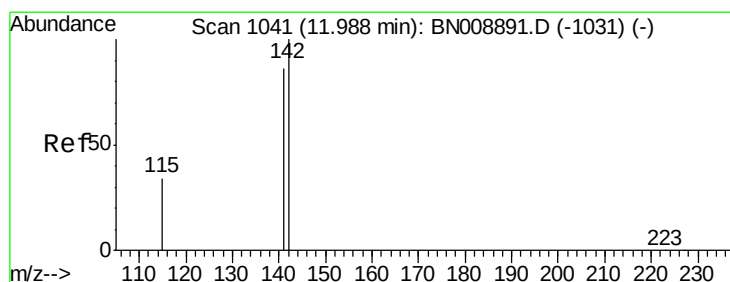
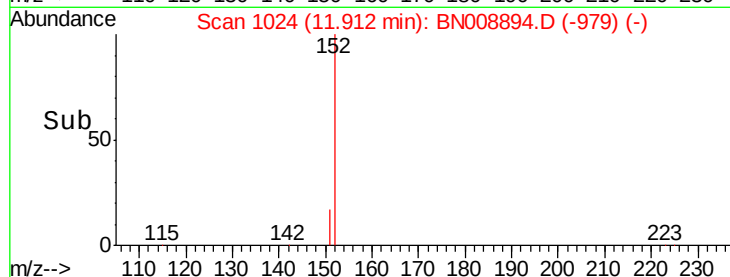
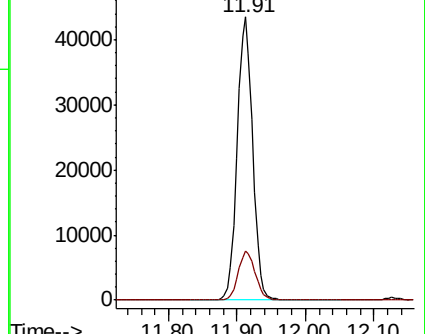
152 100

151 18.9 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 3.306 ng

RT: 11.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

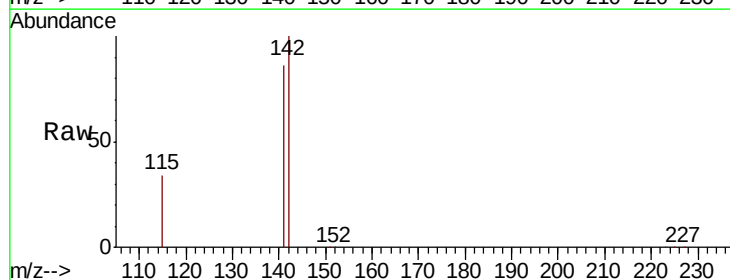
Tgt Ion:142 Resp: 80176

Ion Ratio Lower Upper

142 100

141 86.1 69.3 103.9

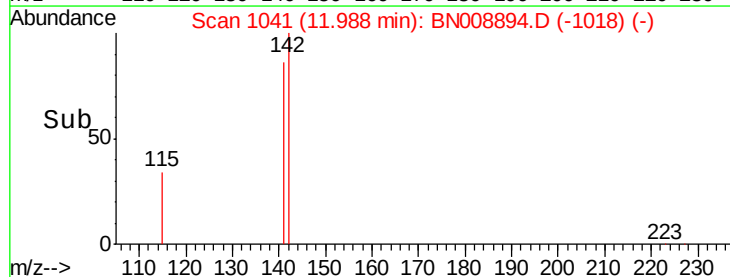
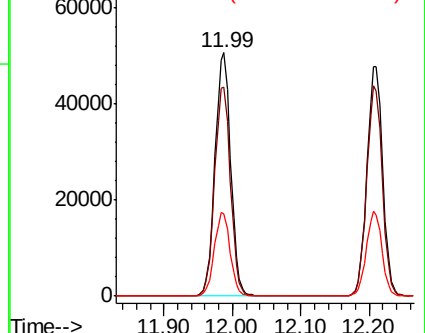
115 33.8 27.9 41.9



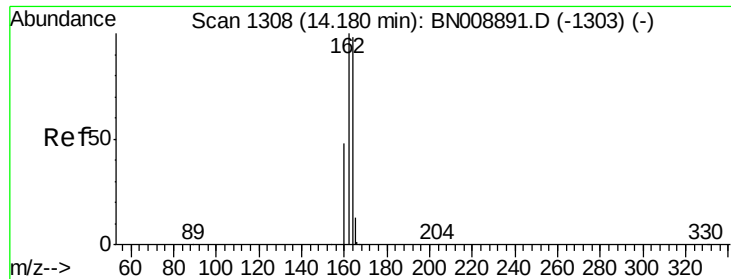
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.19 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

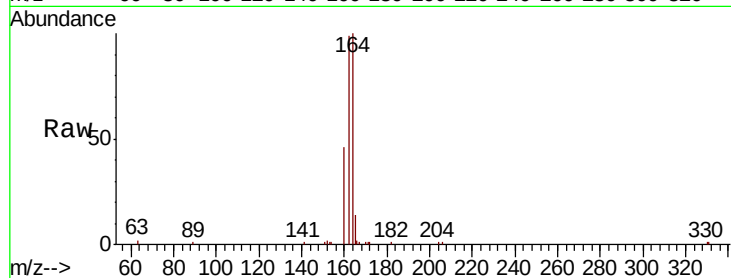
Tot Ion:164 Resp: 8515

Ion Ratio Lower Upper

164 100

162 99.2 81.9 122.9

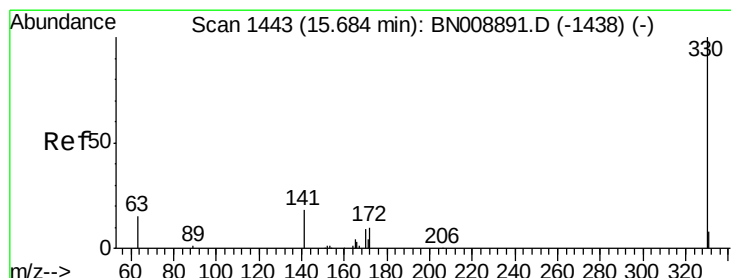
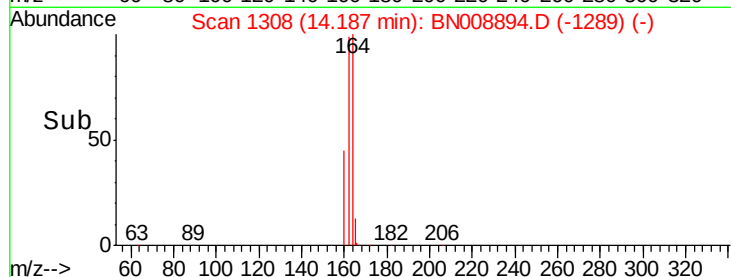
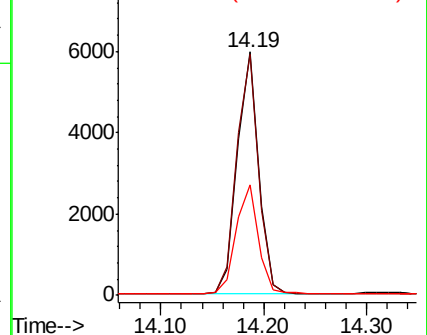
160 45.5 39.3 58.9



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: 3.106 ng

RT: 15.68 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

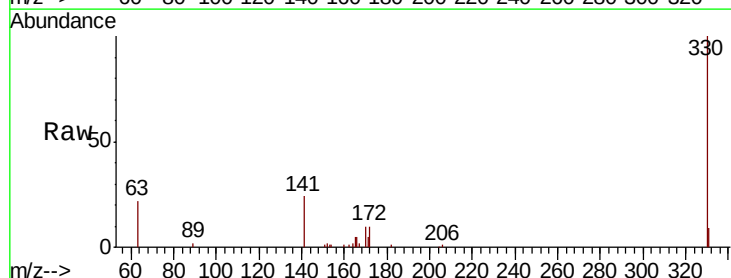
Tgt Ion:330 Resp: 14391

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

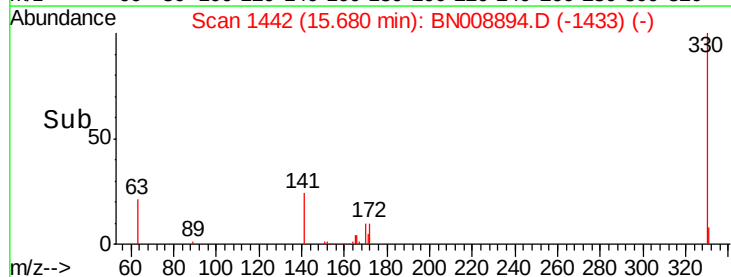
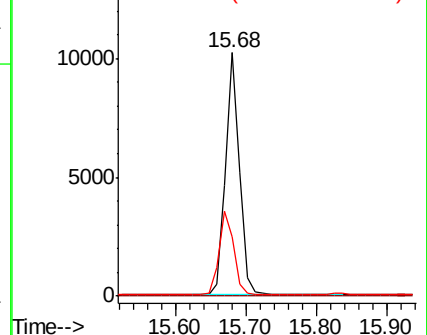
141 36.2 29.6 44.4

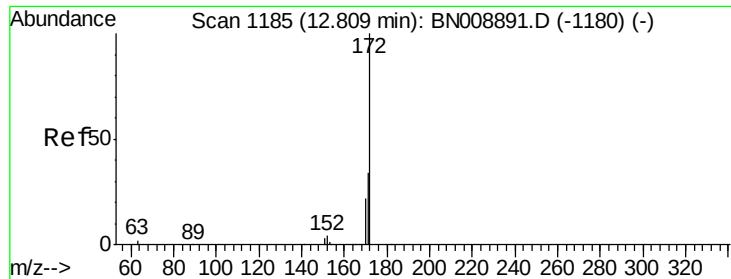


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

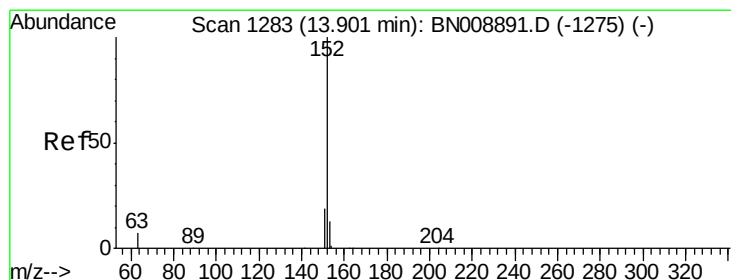
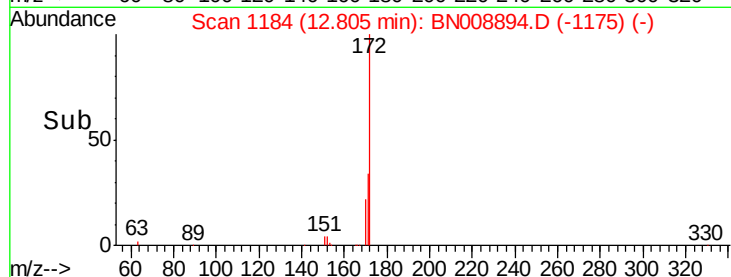
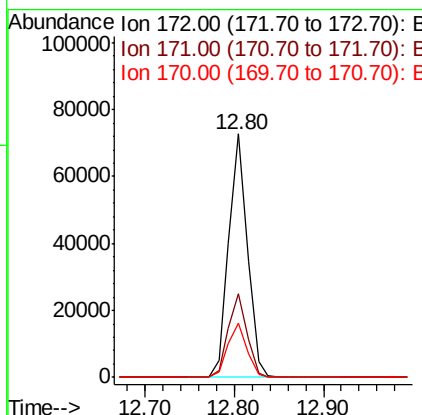
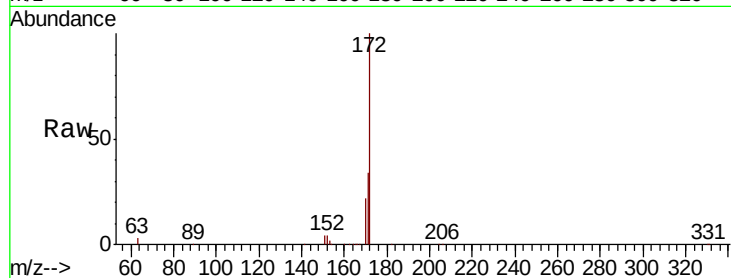




#15  
2-Fluorobiphenyl  
Concen: 3.304 ng  
RT: 12.80 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

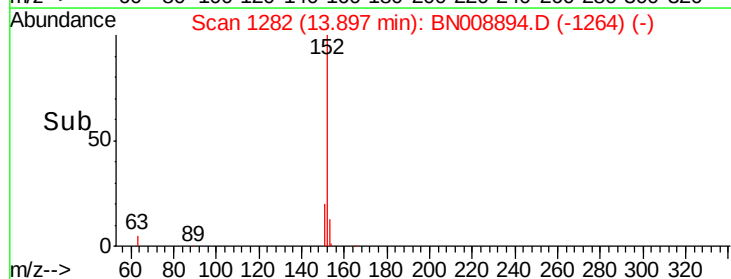
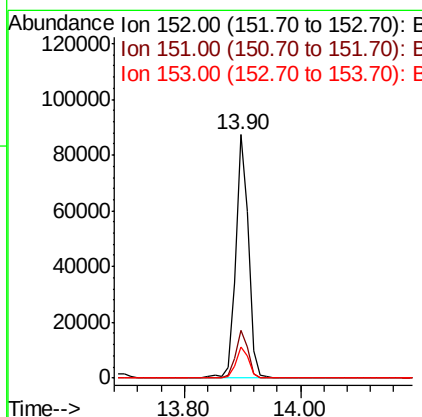
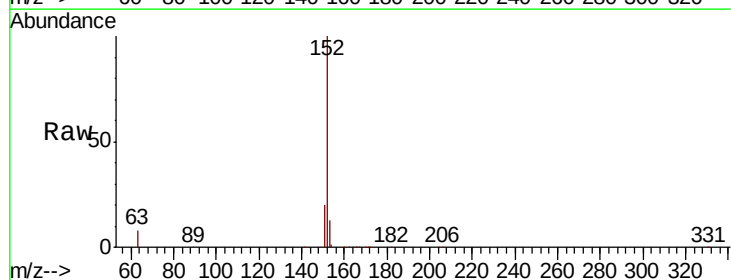
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

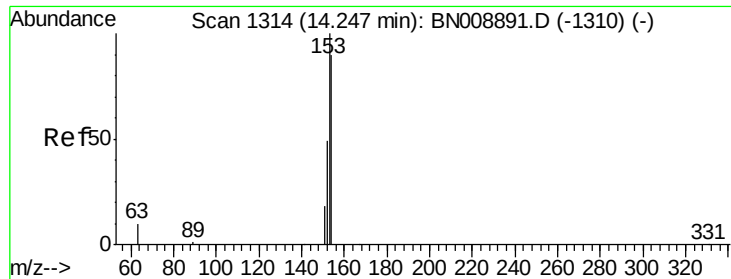
Tot Ion:172 Resp: 105439  
Ion Ratio Lower Upper  
172 100  
171 34.1 27.1 40.7  
170 22.2 17.7 26.5



#16  
Acenaphthylene  
Concen: 3.355 ng  
RT: 13.90 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Tgt Ion:152 Resp: 133246  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.3 22.9  
153 12.9 10.3 15.5

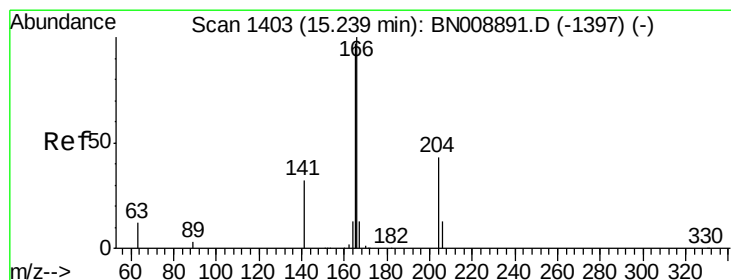
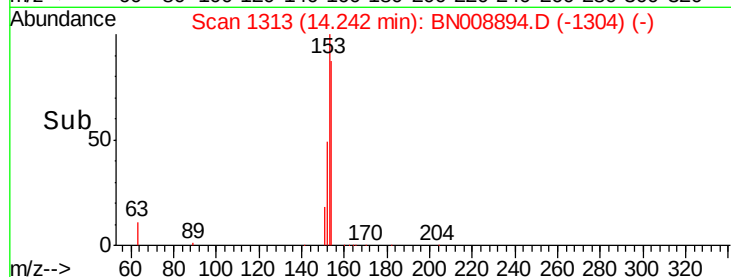
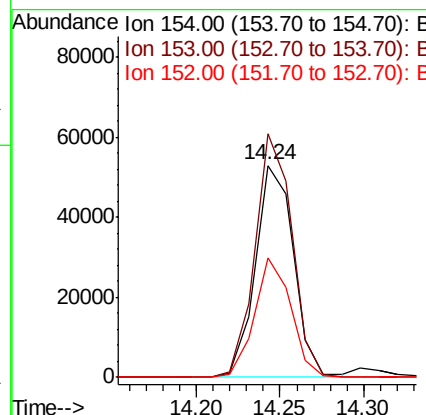
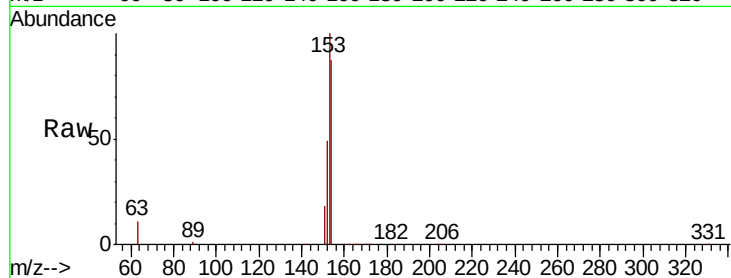




#17  
Acenaphthene  
Concen: 3.330 ng  
RT: 14.24 min Scan# 1313  
Delta R.T. -0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

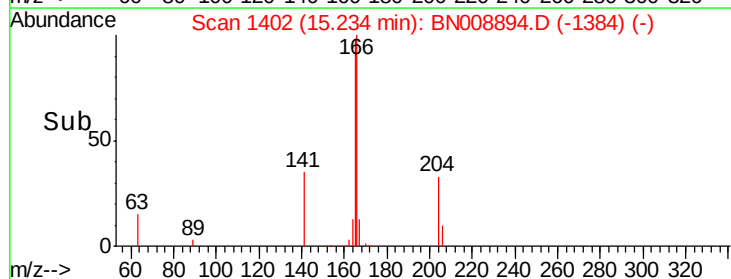
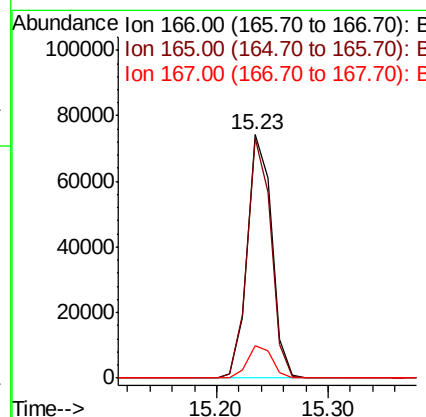
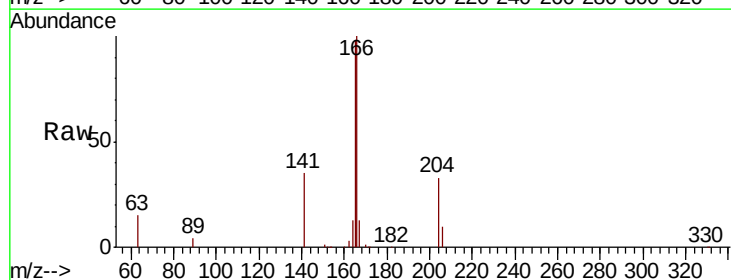
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

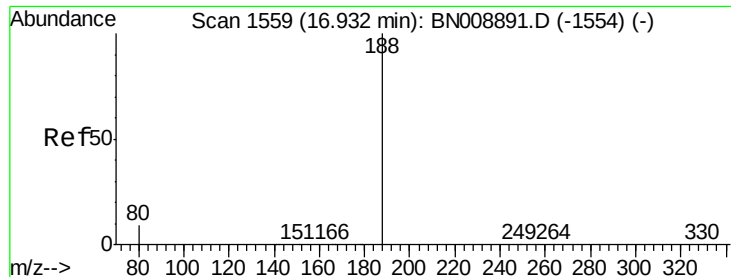
Tot Ion:154 Resp: 83909  
Ion Ratio Lower Upper  
154 100  
153 111.5 89.2 133.8  
152 54.0 44.2 66.4



#18  
Fluorene  
Concen: 3.355 ng  
RT: 15.23 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: BN008894.D  
Acq: 09 Dec 2019 15:42

Tgt Ion:166 Resp: 112127  
Ion Ratio Lower Upper  
166 100  
165 96.4 77.3 115.9  
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

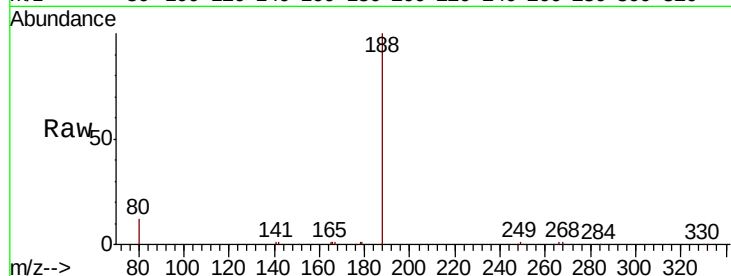
Tot Ion:188 Resp: 18360

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

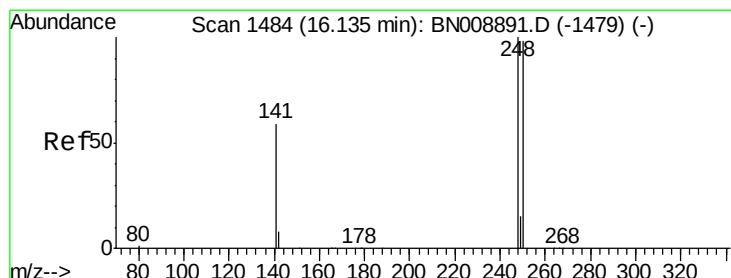
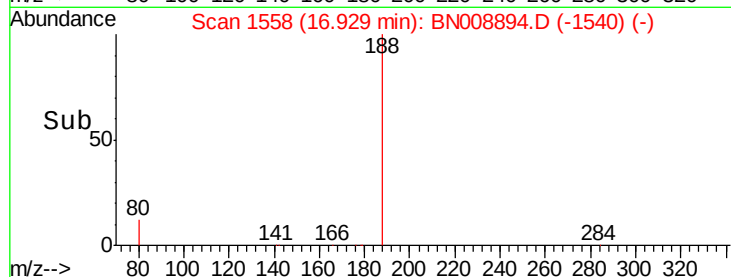
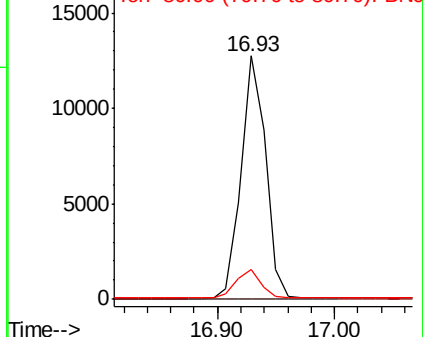
80 12.4 7.3 10.9#



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: 3.434 ng

RT: 16.13 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

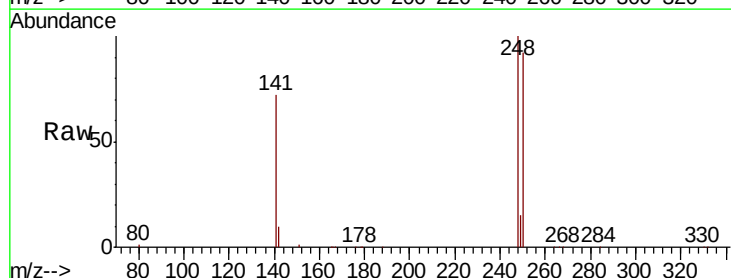
Tgt Ion:248 Resp: 36913

Ion Ratio Lower Upper

248 100

250 91.8 78.7 118.1

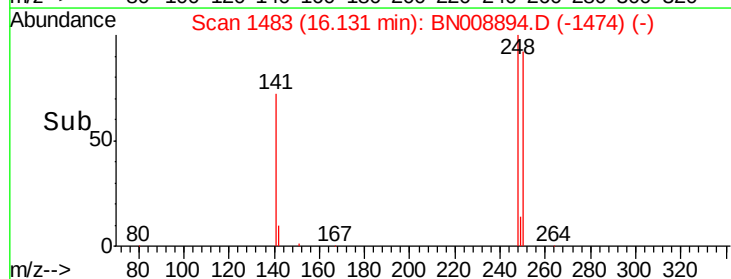
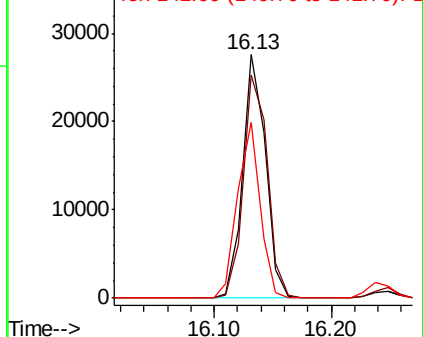
141 71.9 47.9 71.9#

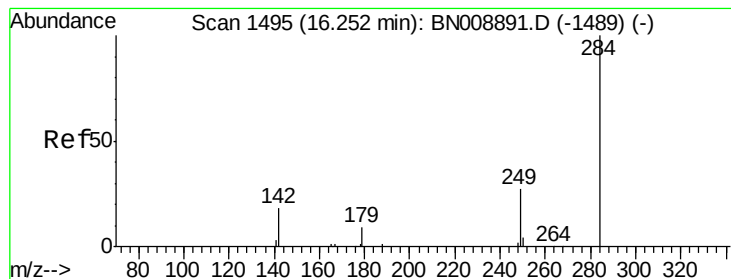


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.255 ng

RT: 16.25 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

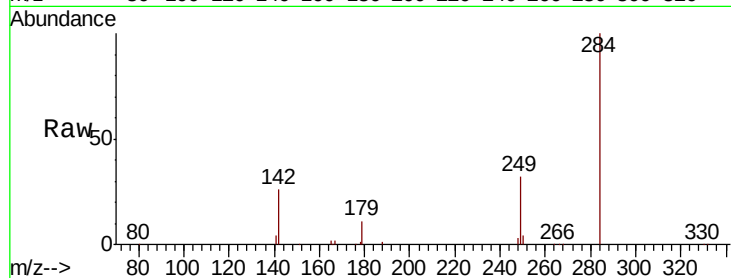
Tot Ion:284 Resp: 40372

Ion Ratio Lower Upper

284 100

142 34.8 27.8 41.6

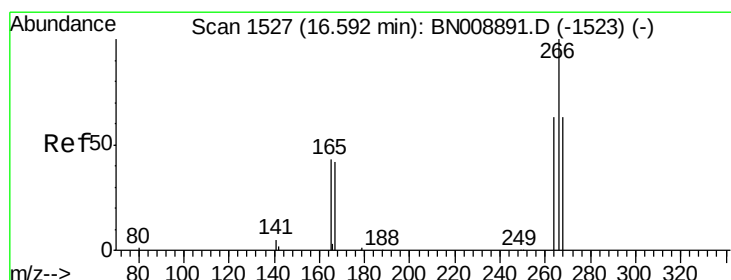
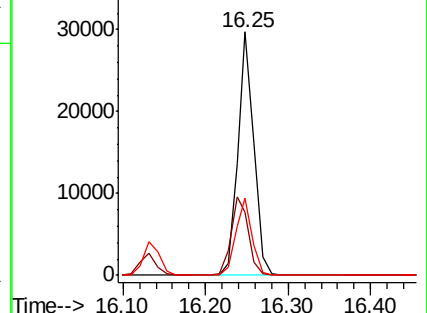
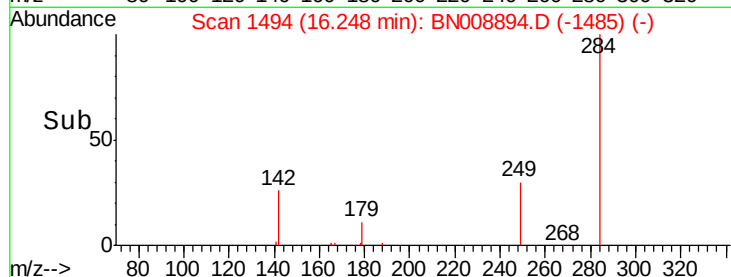
249 31.7 25.3 37.9



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: 3.345 ng

RT: 16.59 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

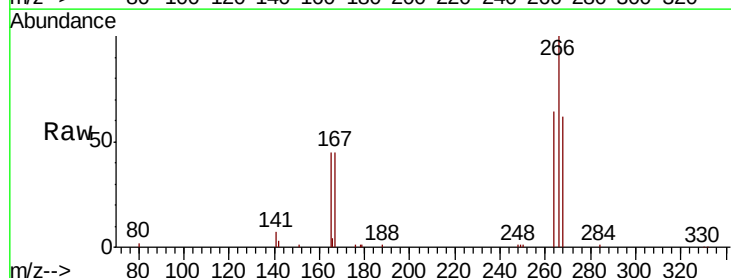
Tgt Ion:266 Resp: 16618

Ion Ratio Lower Upper

266 100

264 63.9 51.5 77.3

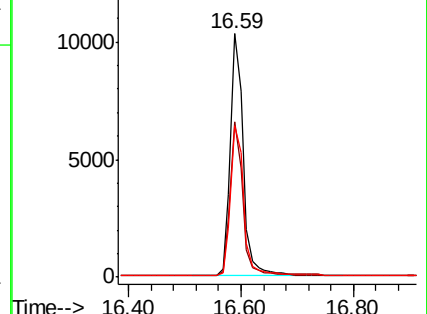
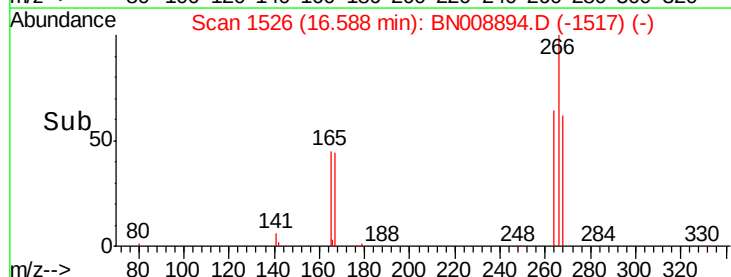
268 62.0 53.1 79.7

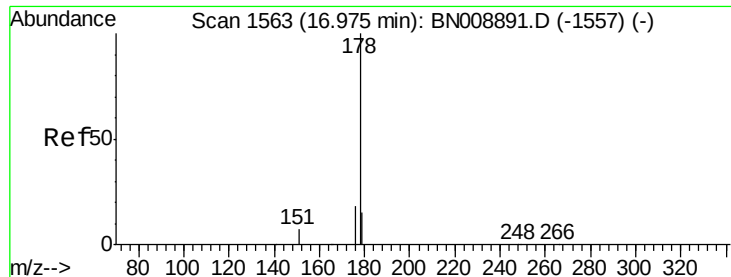


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.413 ng

RT: 16.97 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

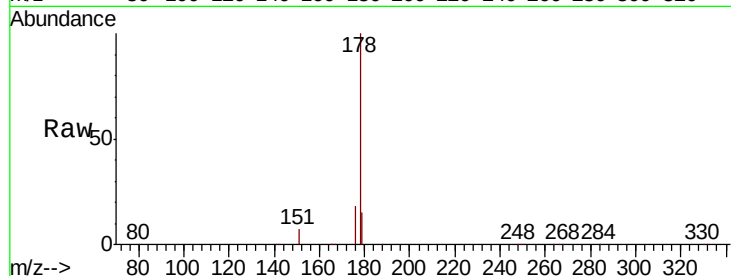
BNA\_N

ClientSampleId :

SSTDICC3.2

Tot Ion:178 Resp: 191287

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.5  | 14.9  | 22.3  |
| 179 | 15.4  | 12.3  | 18.5  |

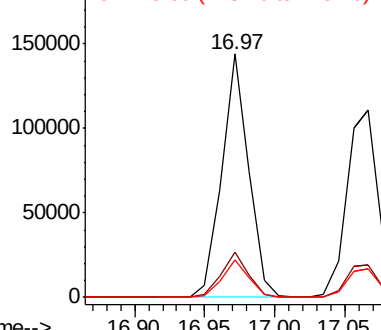


Abundance

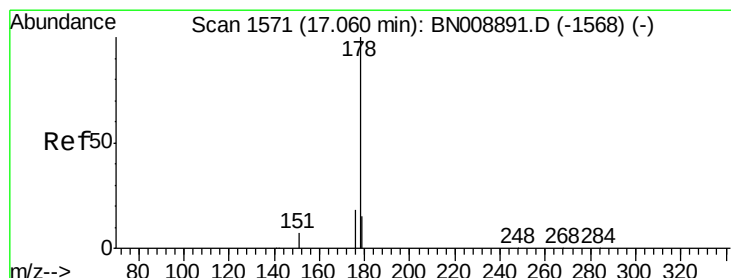
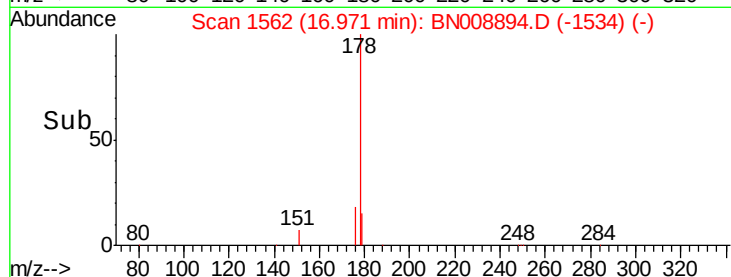
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 3.418 ng

RT: 17.07 min Scan# 1571

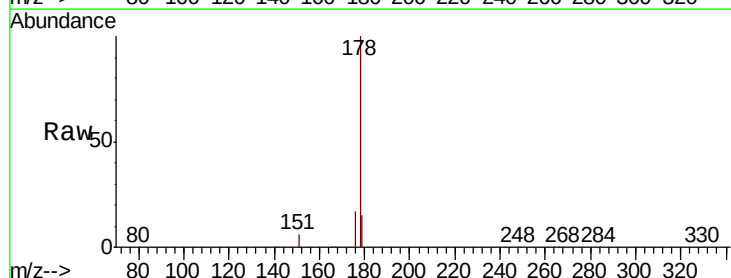
Delta R.T. 0.01 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Tgt Ion:178 Resp: 175898

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 17.9  | 14.4  | 21.6  |
| 179 | 15.2  | 12.1  | 18.1  |

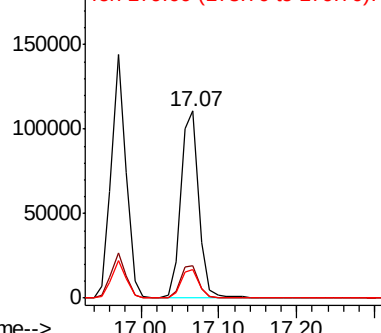


Abundance

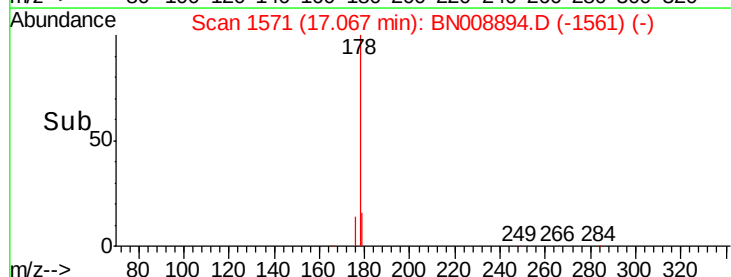
Ion 178.00 (177.70 to 178.70): E

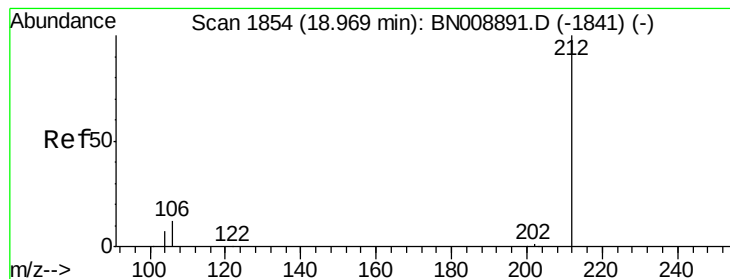
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 3.409 ng

RT: 18.97 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

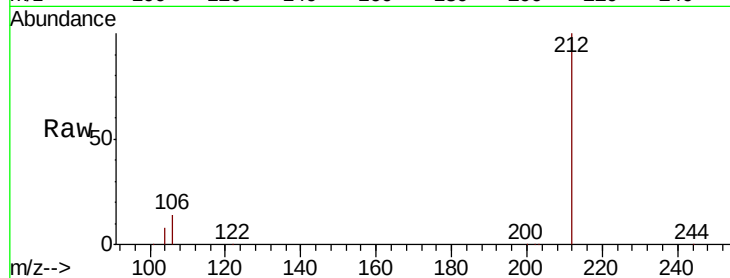
Tot Ion:212 Resp: 189548

Ion Ratio Lower Upper

212 100

106 13.2 10.4 15.6

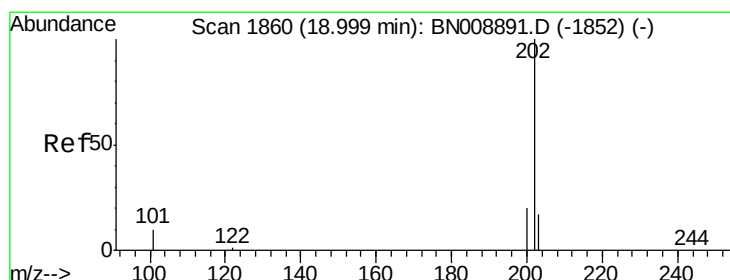
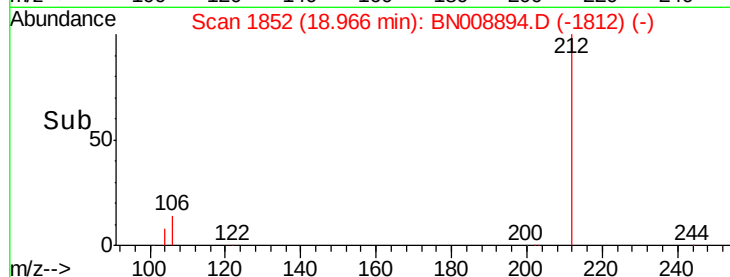
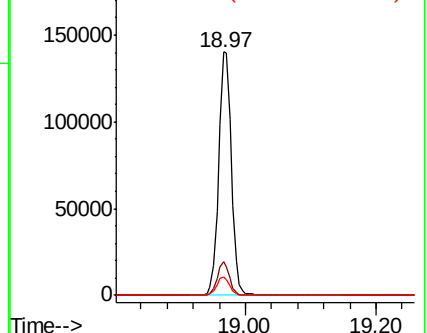
104 7.4 5.9 8.9



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: 3.464 ng

RT: 19.00 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

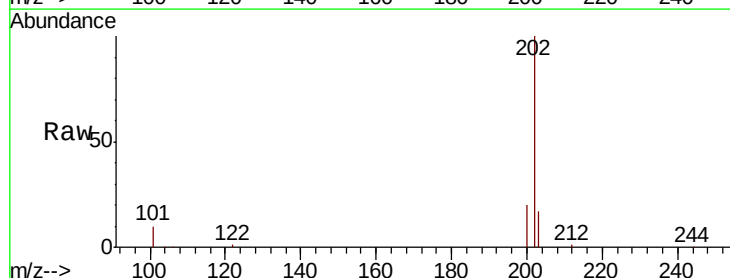
Tgt Ion:202 Resp: 233769

Ion Ratio Lower Upper

202 100

101 11.1 8.8 13.2

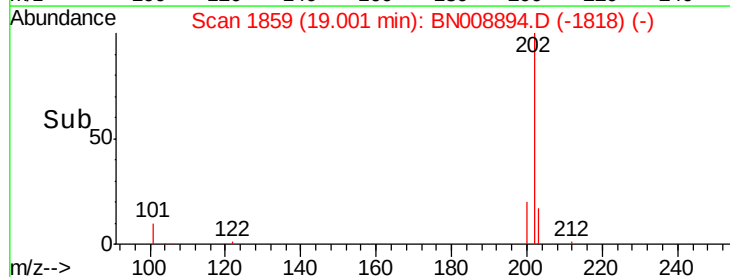
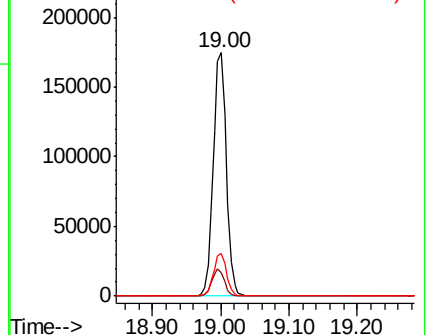
203 17.2 13.8 20.6

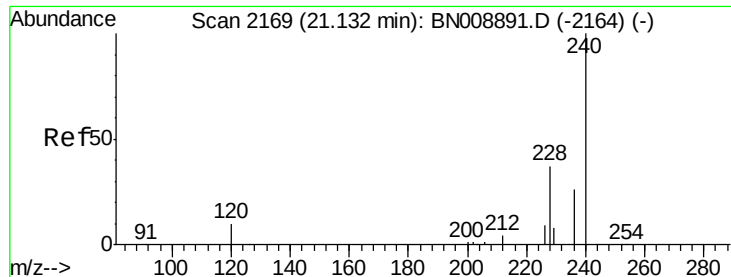


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

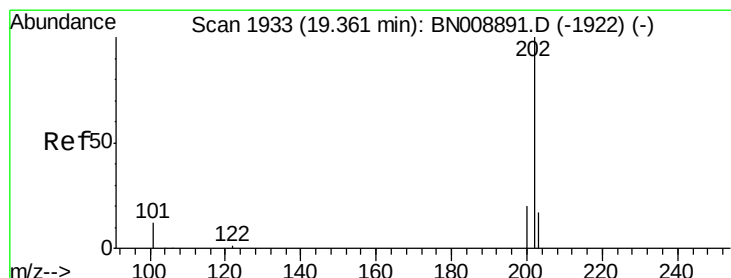
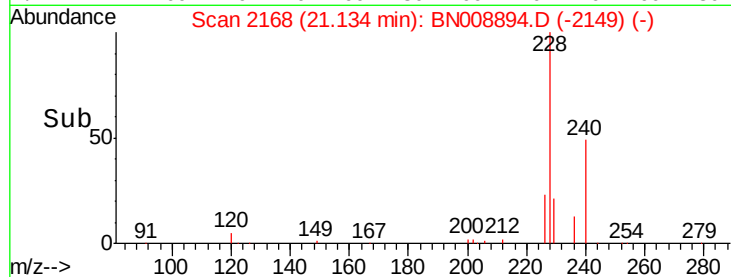
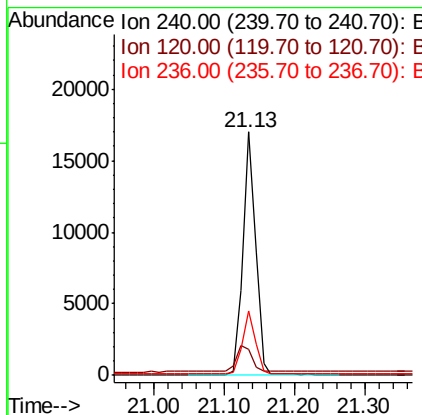
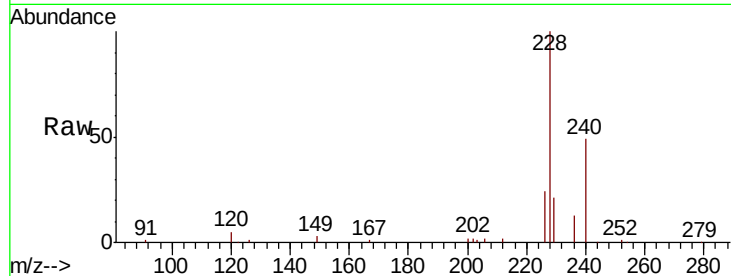




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.13 min Scan# 2168  
 Delta R.T. 0.00 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

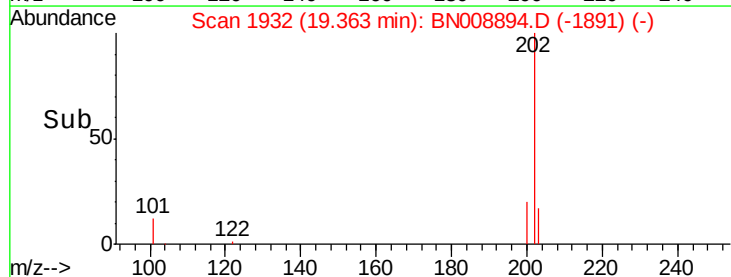
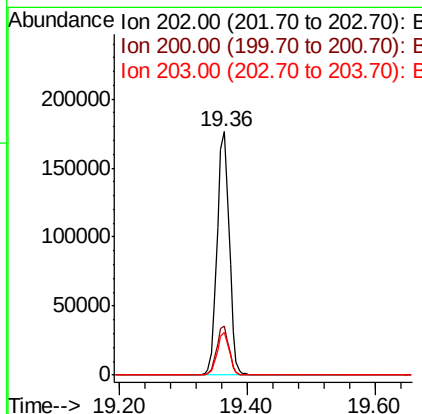
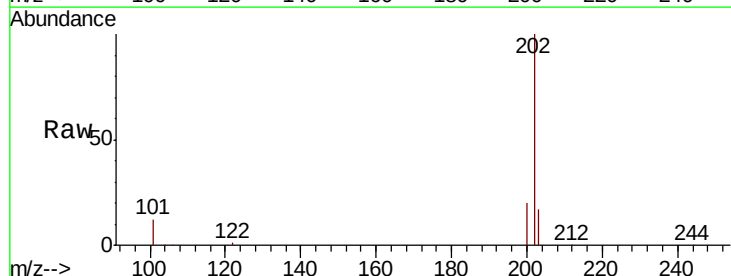
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

Tot Ion:240 Resp: 20887  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 9.1 13.7  
 236 26.6 21.5 32.3

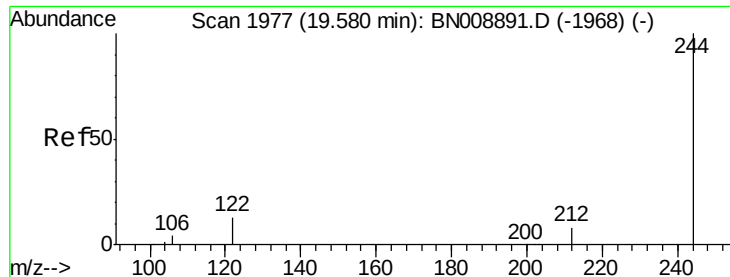


#28  
 Pyrene  
 Concen: 3.211 ng  
 RT: 19.36 min Scan# 1932  
 Delta R.T. 0.00 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

Tgt Ion:202 Resp: 234003  
 Ion Ratio Lower Upper  
 202 100  
 200 20.2 16.1 24.1  
 203 17.4 13.9 20.9







#29

Terphenyl-d14

Concen: 3.184 ng

RT: 19.58 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

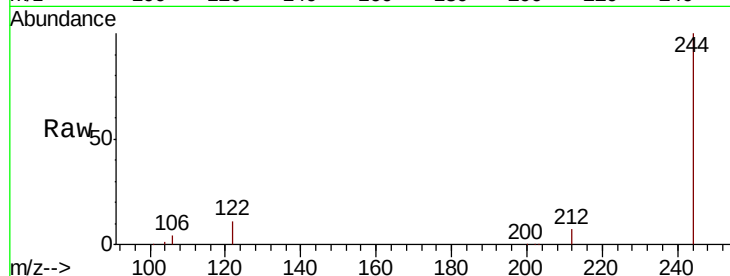
Tot Ion:244 Resp: 153159

Ion Ratio Lower Upper

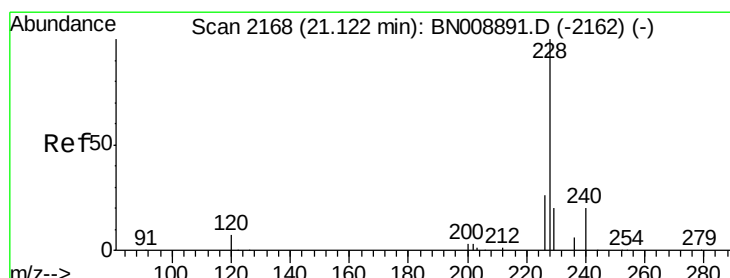
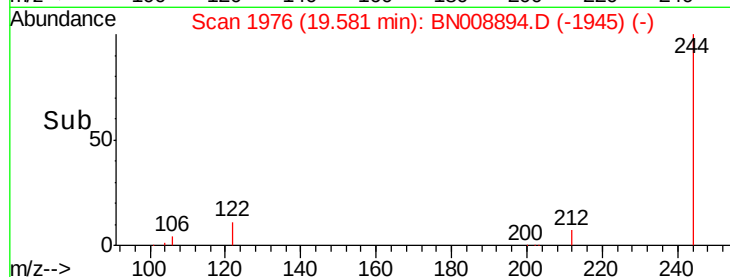
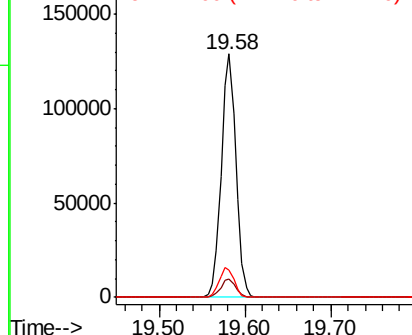
244 100

212 7.5 6.5 9.7

122 11.2 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: 3.274 ng

RT: 21.12 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

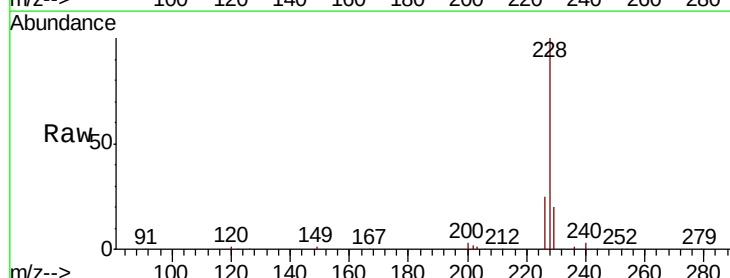
Tgt Ion:228 Resp: 247180

Ion Ratio Lower Upper

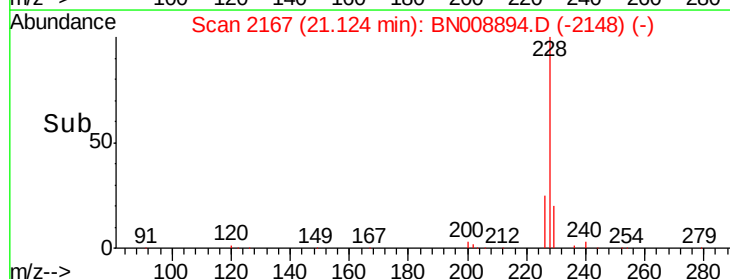
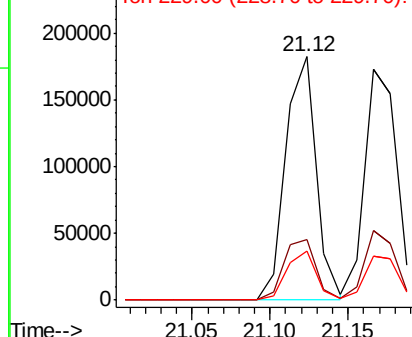
228 100

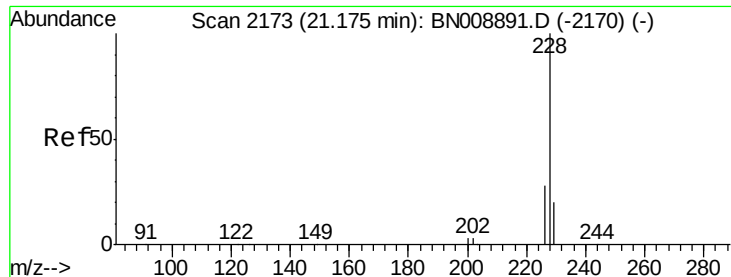
226 25.1 20.6 30.8

229 20.1 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: 3.363 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

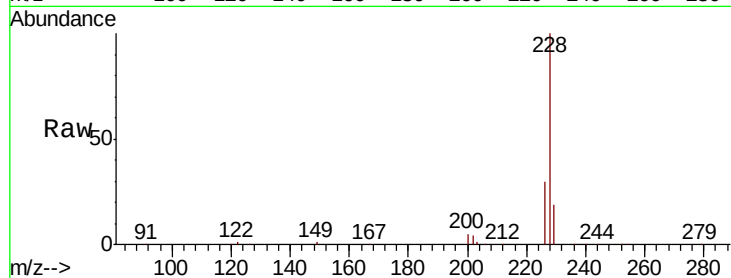
Tot Ion:228 Resp: 246406

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

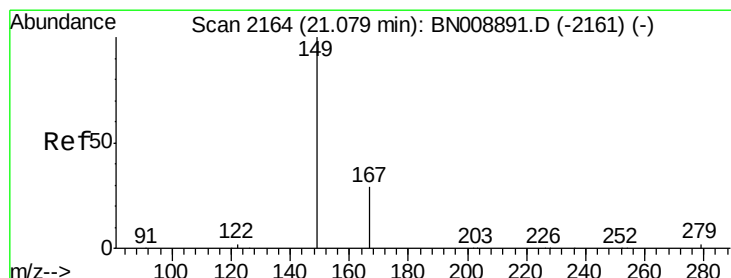
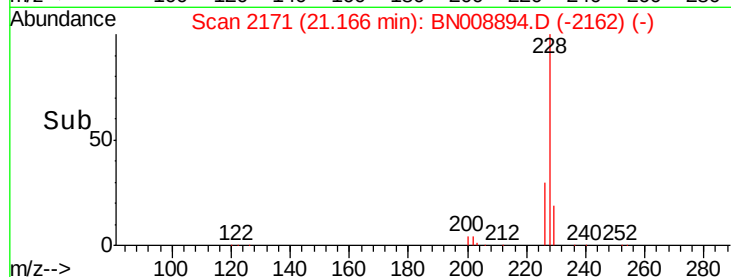
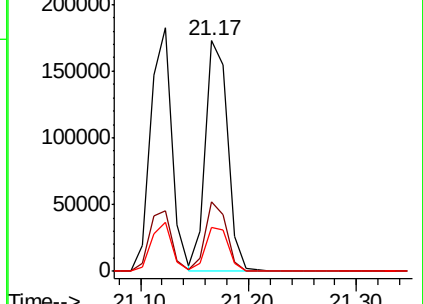
229 19.0 15.9 23.9



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: 2.296 ng

RT: 21.08 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

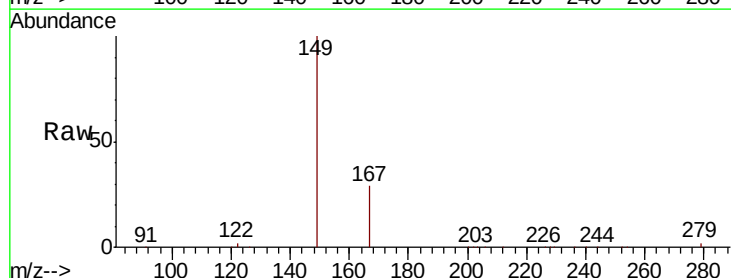
Tgt Ion:149 Resp: 115541

Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

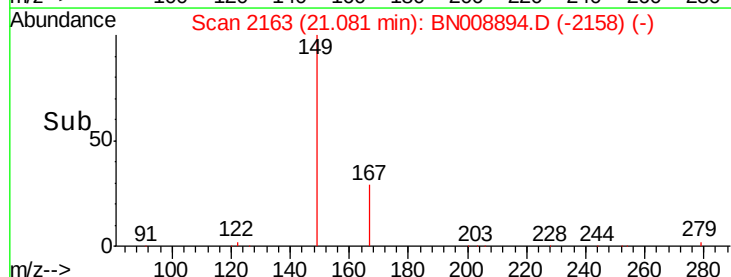
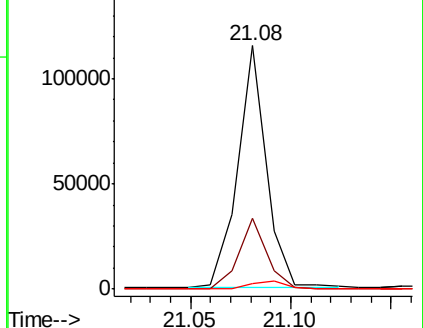
279 3.9 3.3 4.9

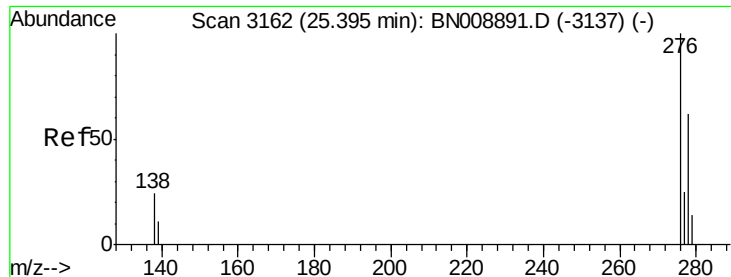


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

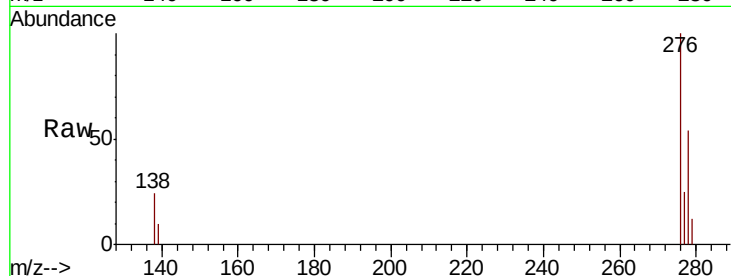




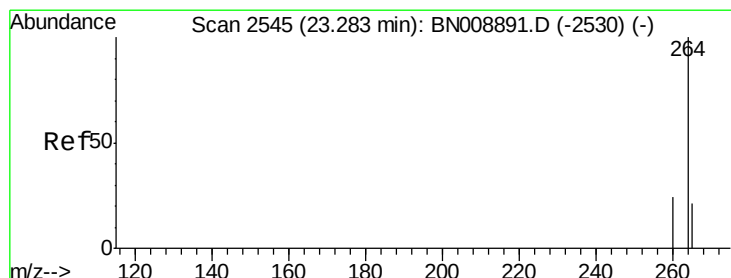
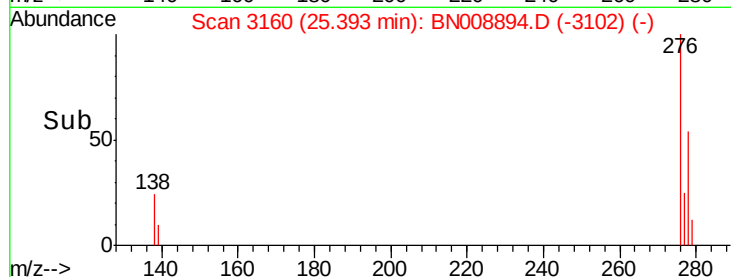
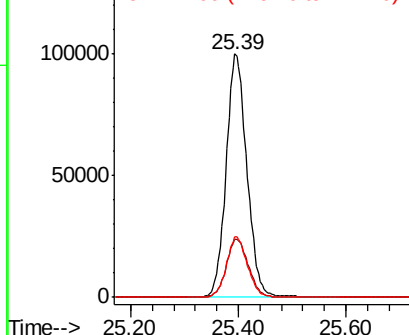
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.945 ng  
 RT: 25.39 min Scan# 3160  
 Delta R.T. -0.00 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

Tot Ion:276 Resp: 266448  
 Ion Ratio Lower Upper  
 276 100  
 138 25.3 19.9 29.9  
 277 24.9 19.8 29.8

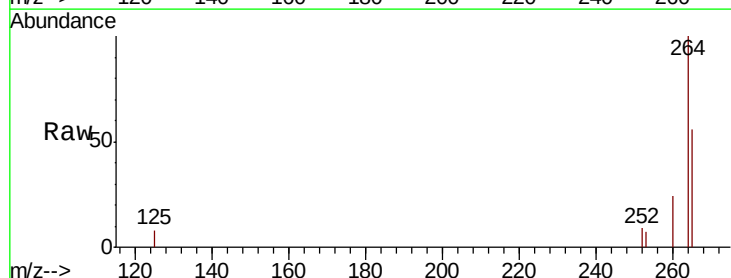


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

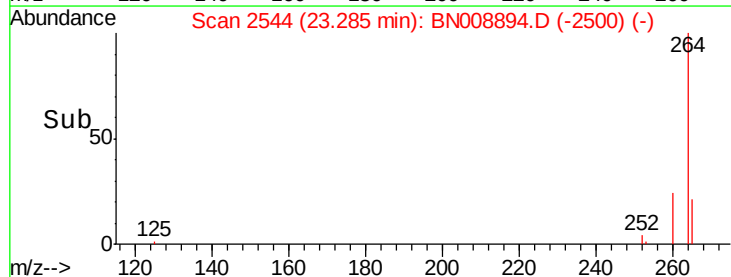
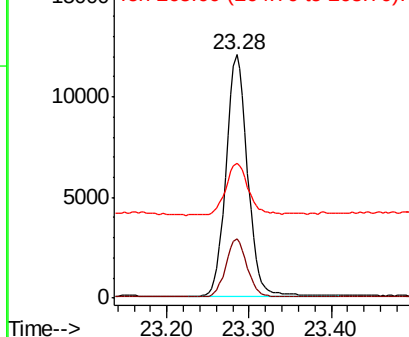


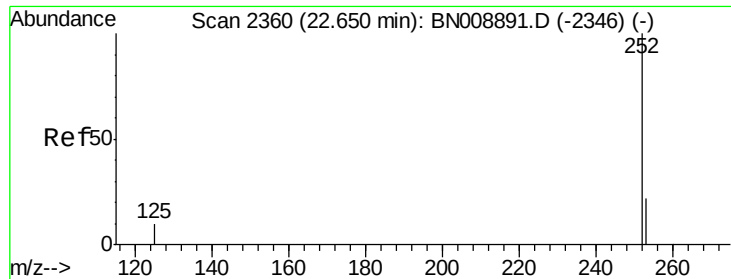
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.28 min Scan# 2544  
 Delta R.T. 0.00 min  
 Lab File: BN008894.D  
 Acq: 09 Dec 2019 15:42

Tgt Ion:264 Resp: 21737  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.0  
 265 55.6 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: 3.545 ng

RT: 22.65 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

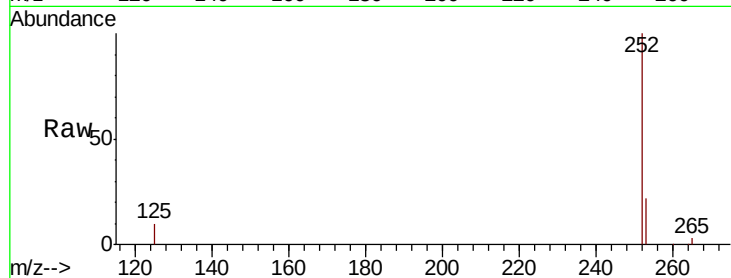
Tot Ion:252 Resp: 255927

Ion Ratio Lower Upper

252 100

253 22.0 19.8 29.6

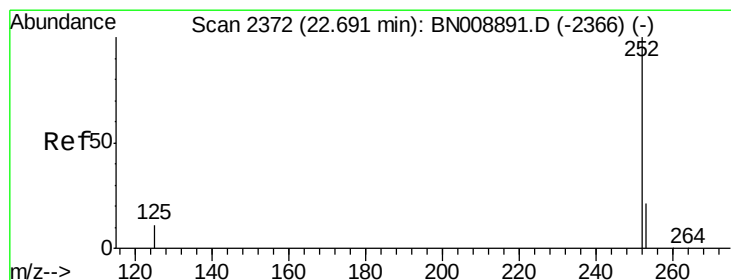
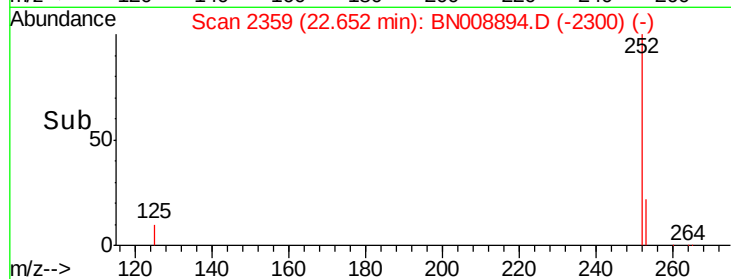
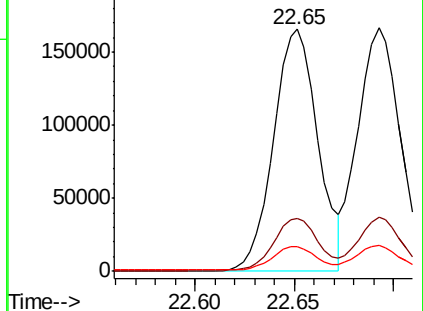
125 10.3 10.8 16.2#



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: 3.538 ng

RT: 22.69 min Scan# 2371

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

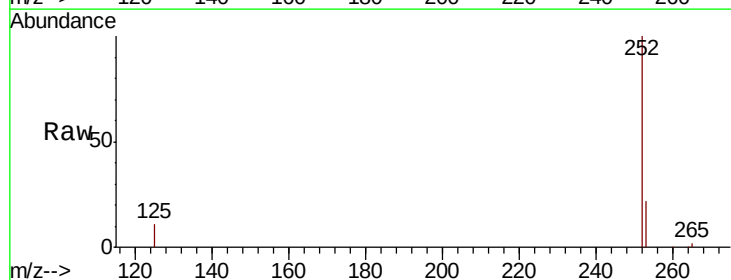
Tgt Ion:252 Resp: 250943

Ion Ratio Lower Upper

252 100

253 22.1 19.2 28.8

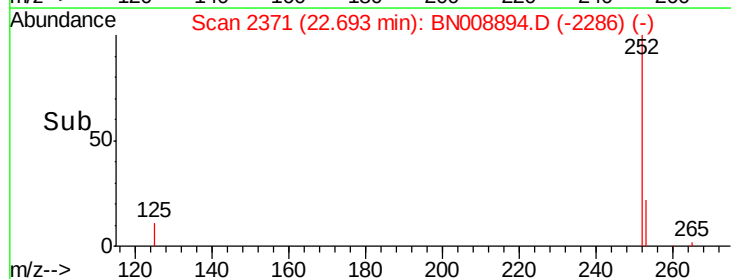
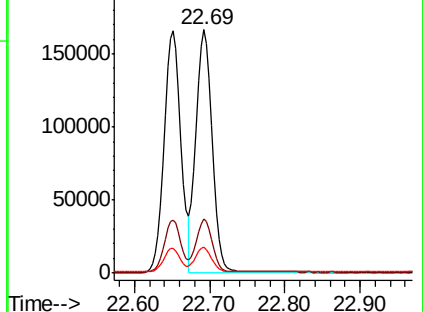
125 10.7 11.6 17.4#

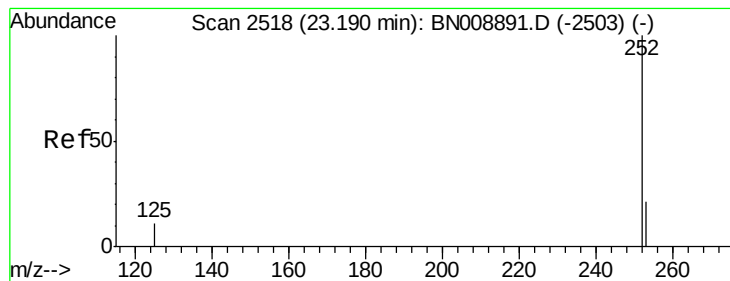


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 3.411 ng

RT: 23.19 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

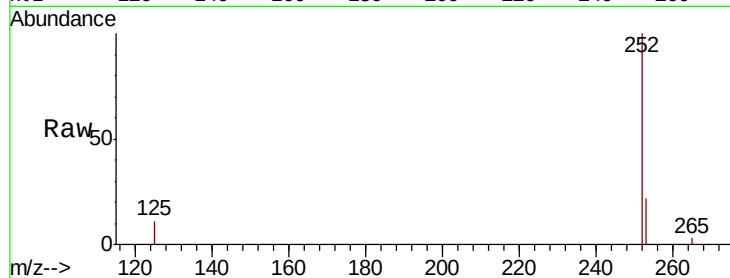
Tot Ion:252 Resp: 232264

Ion Ratio Lower Upper

252 100

253 22.1 19.9 29.9

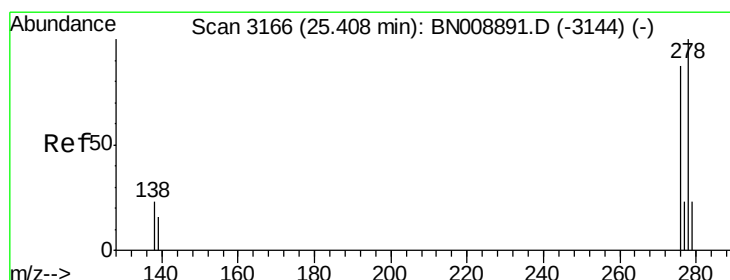
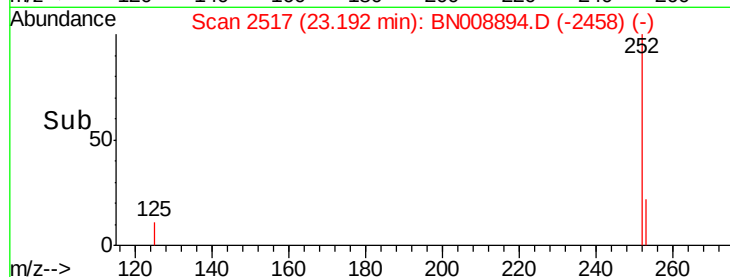
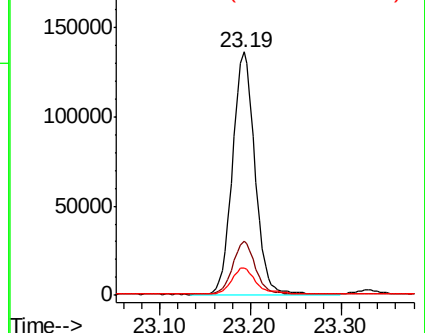
125 11.3 12.3 18.5#



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: 3.105 ng

RT: 25.41 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

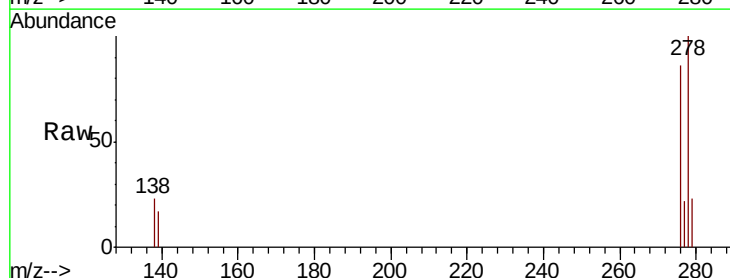
Tgt Ion:278 Resp: 215919

Ion Ratio Lower Upper

278 100

139 16.8 13.9 20.9

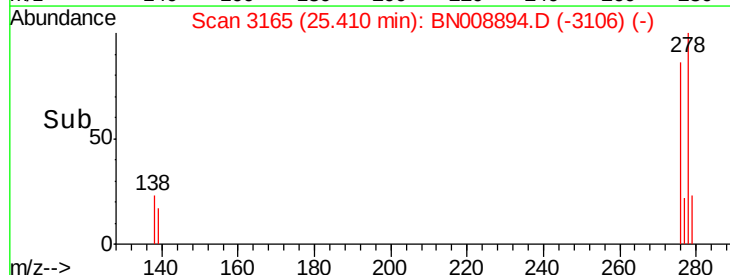
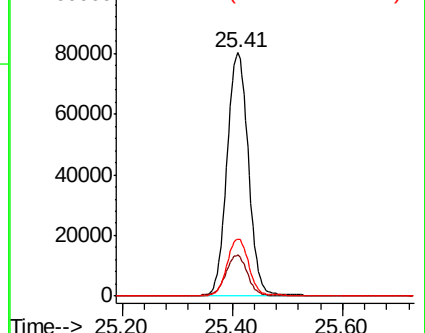
279 23.4 20.2 30.4

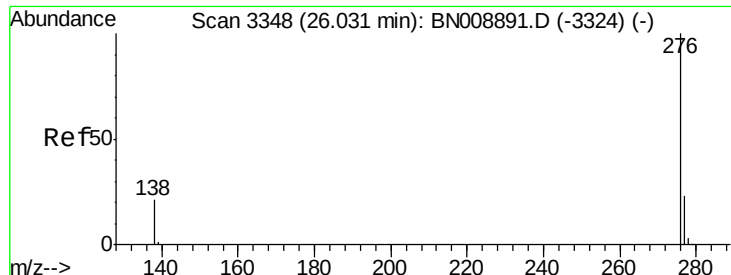


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.007 ng

RT: 26.04 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BN008894.D

Acq: 09 Dec 2019 15:42

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

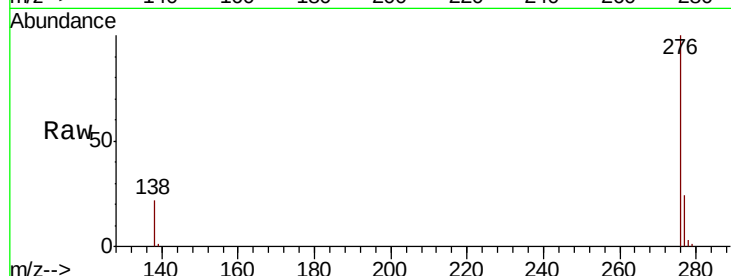
Tot Ion: 276 Resp: 211744

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 21.9 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

100000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

