

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\  
 Data File : BN007660.D  
 Acq On : 14 Sep 2019 12:09  
 Operator : HP/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Sep 16 01:39:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:27:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 9628     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 37460    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.34 | 164  | 21022    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 42643    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.27 | 240  | 42209    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.49 | 264  | 42948    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.33  | 112 | 10908 | 0.35 | ng | 0.00  |
| 5) Phenol-d6                | 6.89  | 99  | 14163 | 0.38 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.85  | 82  | 12009 | 0.40 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152 | 26312 | 0.41 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330 | 2522  | 0.32 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.95 | 172 | 37023 | 0.40 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.11 | 212 | 54773 | 0.41 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.71 | 244 | 46635 | 0.42 | ng | -0.01 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.33  | 88  | 4370  | 0.379  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.03  | 42  | 2930  | 0.560  | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 10502 | 0.372  | ng | 96   |
| 9) Naphthalene                 | 10.53 | 128 | 45656 | 0.425  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.84 | 225 | 8989  | 0.415  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 12.15 | 142 | 30405 | 0.422  | ng | 99   |
| 16) Acenaphthylene             | 14.05 | 152 | 40011 | 0.366  | ng | 100  |
| 17) Acenaphthene               | 14.39 | 154 | 28031 | 0.393  | ng | 99   |
| 18) Fluorene                   | 15.38 | 166 | 34794 | 0.387  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248 | 11130 | 0.422  | ng | 96   |
| 21) Hexachlorobenzene          | 16.39 | 284 | 11950 | 0.424  | ng | 99   |
| 22) Pentachlorophenol          | 16.73 | 266 | 2608  | 0.356  | ng | 98   |
| 23) Phenanthrene               | 17.11 | 178 | 58227 | 0.433  | ng | 99   |
| 24) Anthracene                 | 17.21 | 178 | 47918 | 0.402  | ng | 100  |
| 26) Fluoranthene               | 19.14 | 202 | 65235 | 0.415  | ng | 100  |
| 28) Pyrene                     | 19.50 | 202 | 64874 | 0.423  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 59268 | 0.396  | ng | 99   |
| 31) Chrysene                   | 21.30 | 228 | 66270 | 0.426  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 17276 | 0.341  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 76197 | 0.458  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 63595 | 0.408  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 68860 | 0.431  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.39 | 252 | 55856 | 0.403  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.72 | 278 | 61387 | 0.424  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 26.38 | 276 | 58817 | 0.410  | ng | 100  |

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



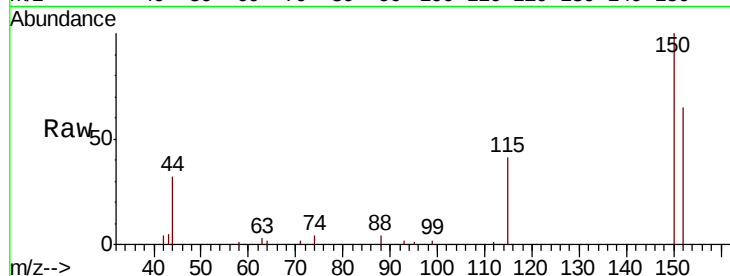


#1

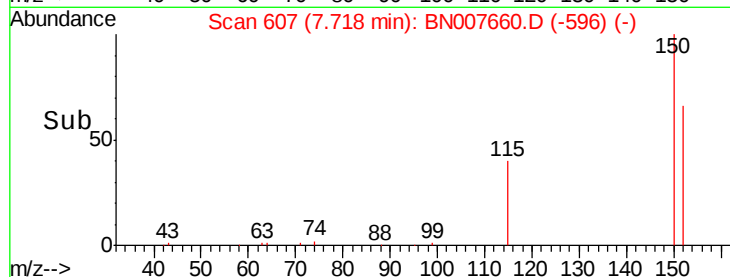
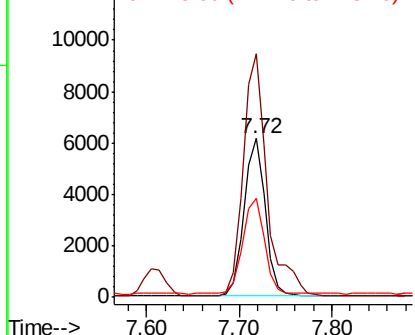
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 9628  
Ion Ratio Lower Upper  
152 100  
150 153.4 122.4 183.6  
115 62.4 50.4 75.6



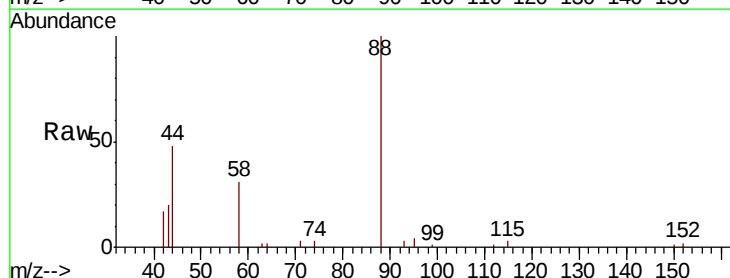
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



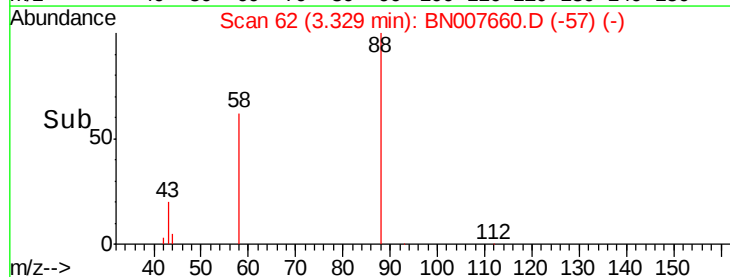
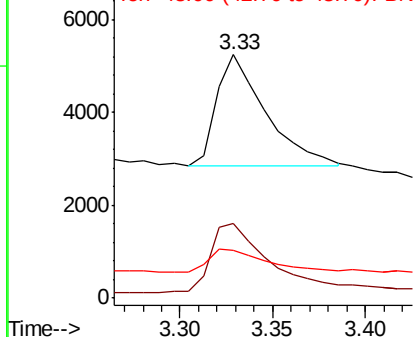
#2

1,4-Dioxane  
Concen: 0.379 ng  
RT: 3.33 min Scan# 62  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Tgt Ion: 88 Resp: 4370  
Ion Ratio Lower Upper  
88 100  
58 72.7 57.0 85.4  
43 23.8 20.0 30.0



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: 0.560 ng

RT: 3.03 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

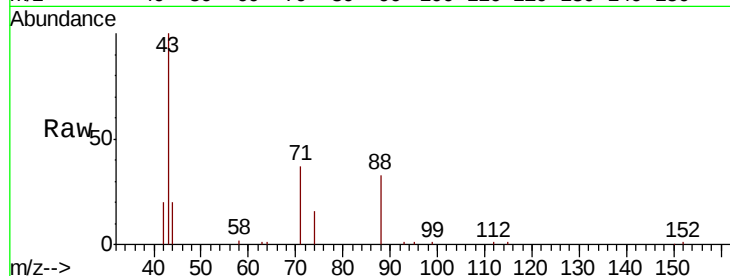
Tot Ion: 42 Resp: 2930

Ion Ratio Lower Upper

42 100

74 110.9 9.8 14.8#

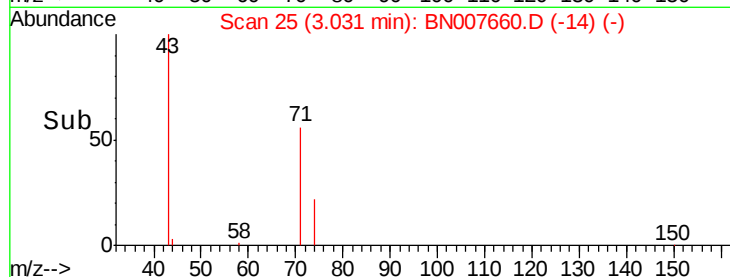
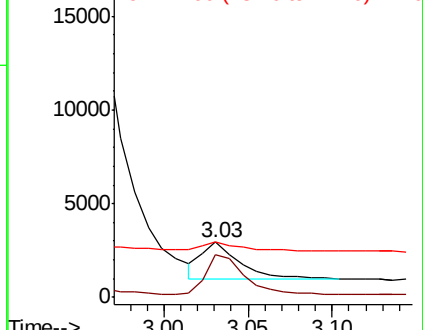
44 29.2 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.354 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

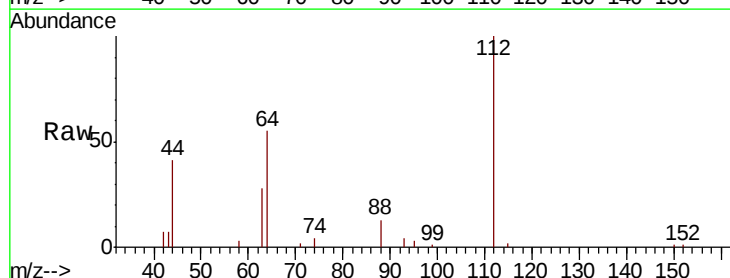
Tgt Ion: 112 Resp: 10908

Ion Ratio Lower Upper

112 100

64 59.6 48.5 72.7

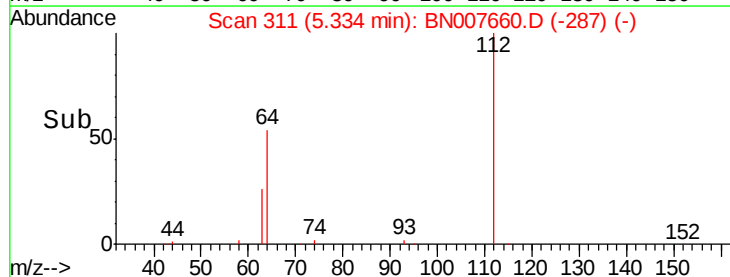
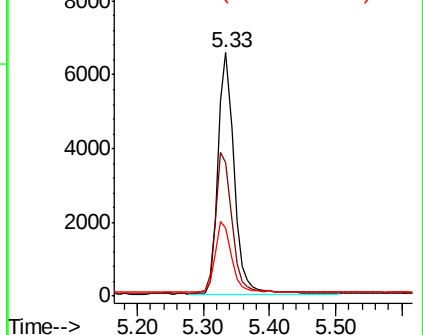
63 30.0 24.4 36.6

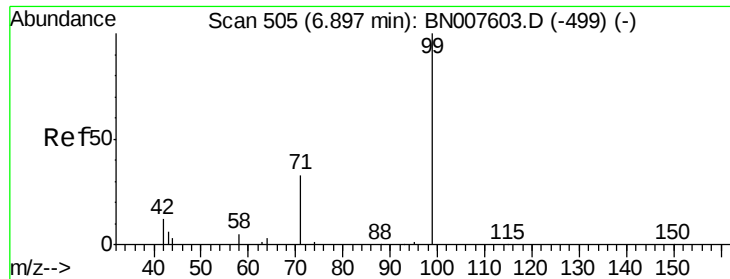


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

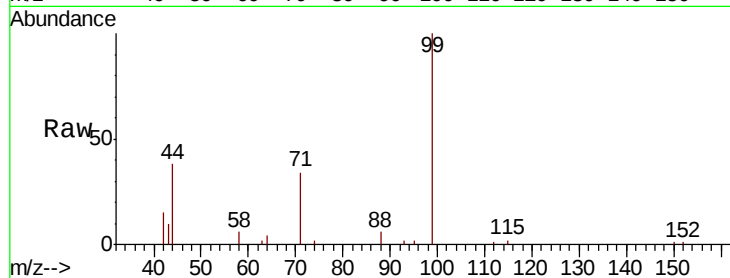
Tot Ion: 99 Resp: 14163

Ion Ratio Lower Upper

99 100

42 15.0 11.8 17.6

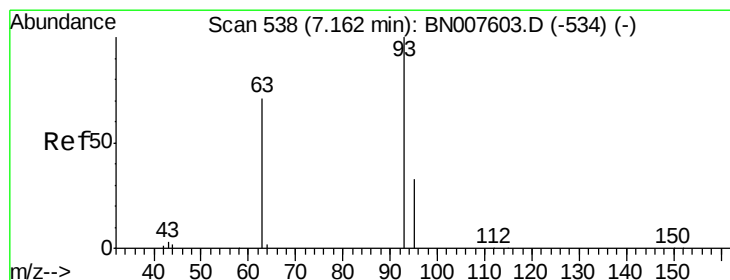
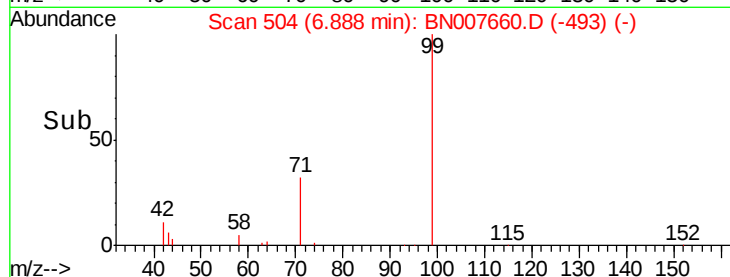
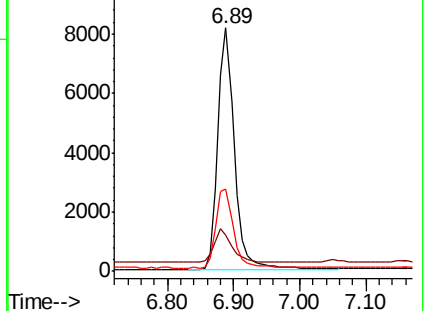
71 34.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BN007660.D (-500) (-)

Ion 42.00 (41.70 to 42.70): BN007660.D (-500) (-)

Ion 71.00 (70.70 to 71.70): BN007660.D (-500) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.372 ng

RT: 7.15 min Scan# 537

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

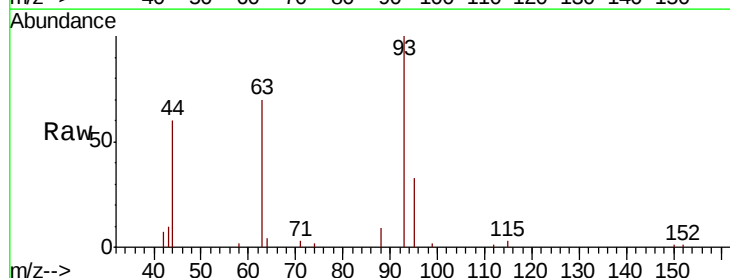
Tgt Ion: 93 Resp: 10502

Ion Ratio Lower Upper

93 100

63 77.4 61.2 91.8

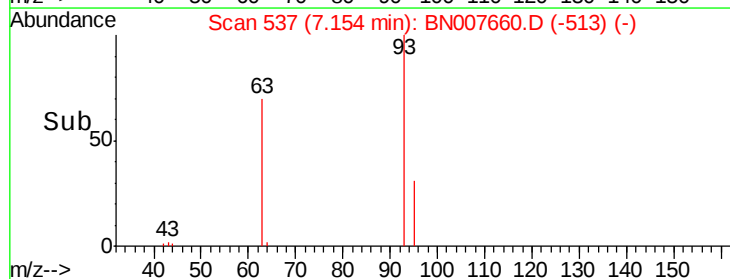
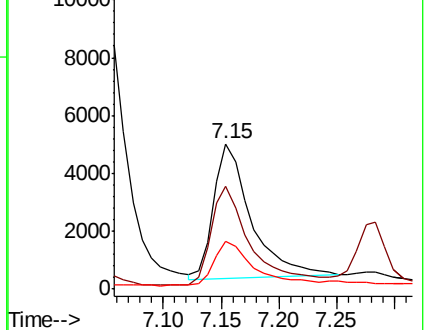
95 39.7 27.2 40.8

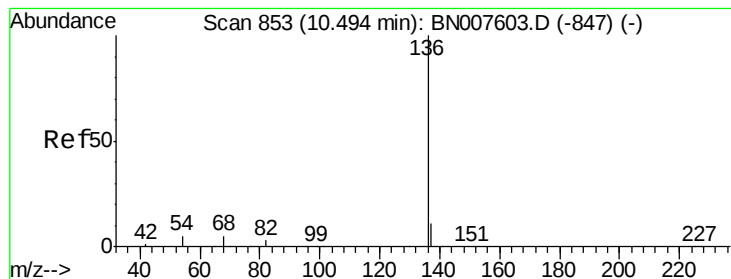


Abundance Ion 93.00 (92.70 to 93.70): BN007660.D (-535) (-)

Ion 63.00 (62.70 to 63.70): BN007660.D (-535) (-)

Ion 95.00 (94.70 to 95.70): BN007660.D (-535) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 37460

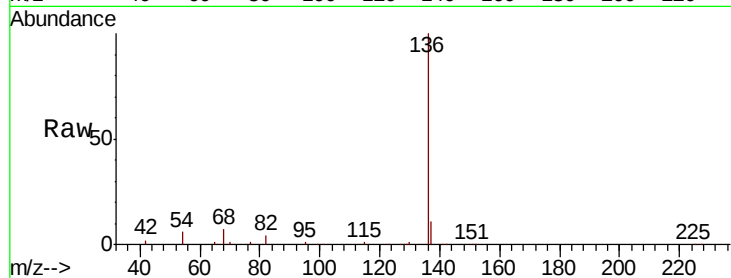
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 6.4 4.2 6.4#

68 7.1 4.6 7.0#

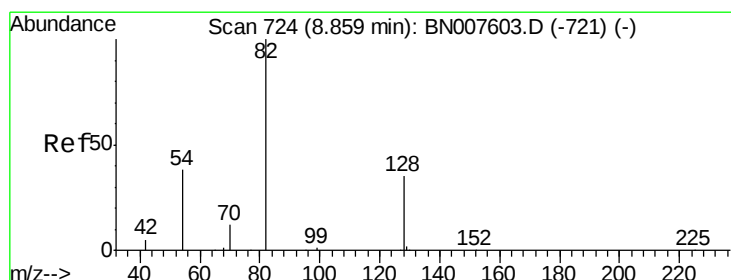
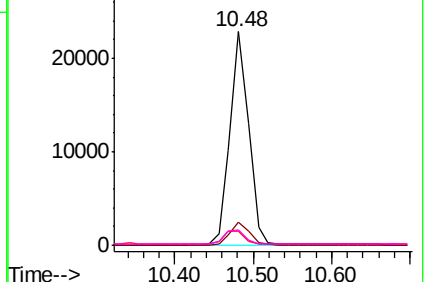
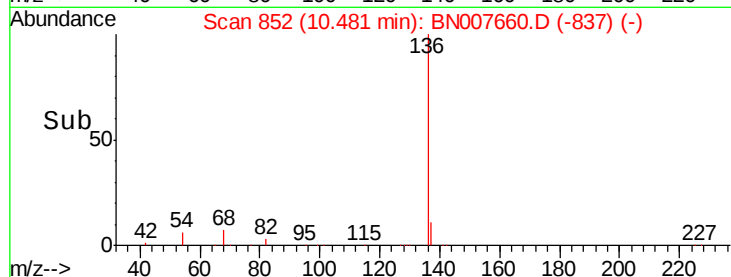


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.402 ng

RT: 8.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

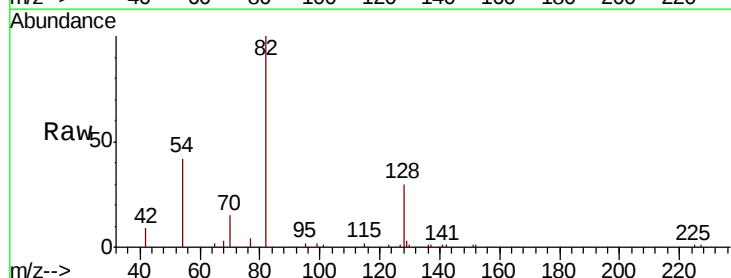
Tgt Ion: 82 Resp: 12009

Ion Ratio Lower Upper

82 100

128 30.2 27.9 41.9

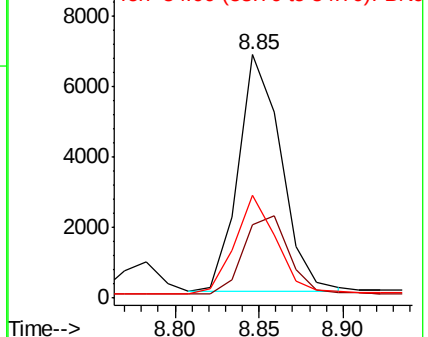
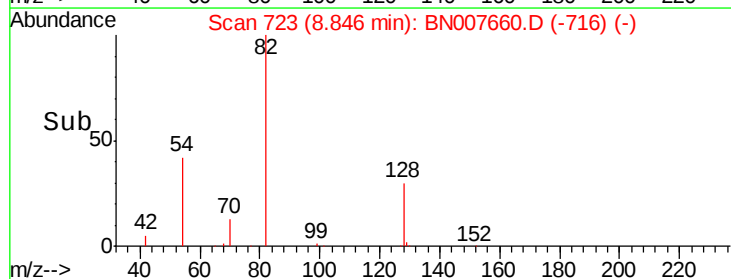
54 42.2 30.9 46.3

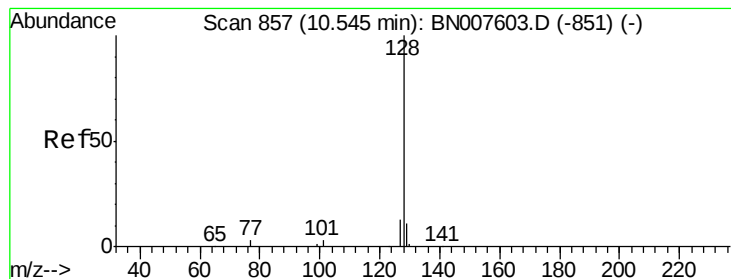


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.425 ng

RT: 10.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

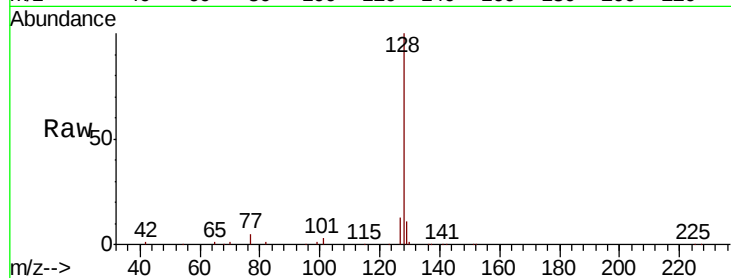
Tot Ion:128 Resp: 45656

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

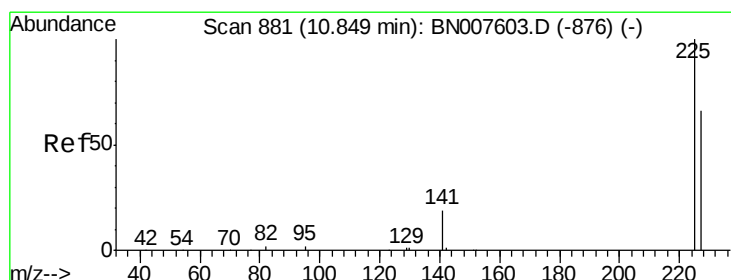
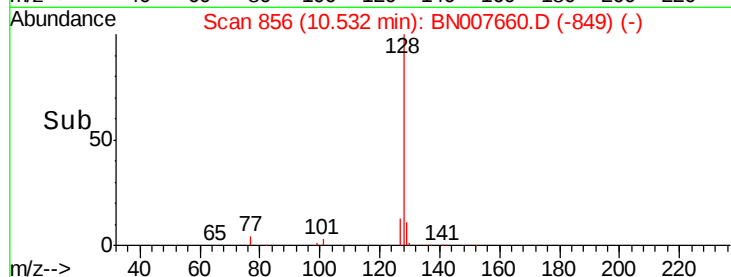
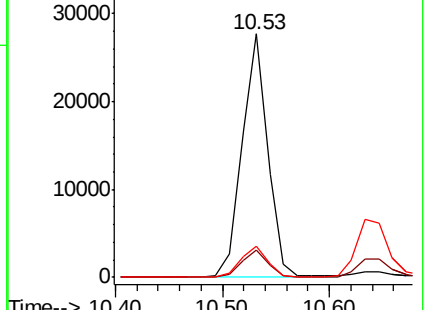
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.415 ng

RT: 10.84 min Scan# 880

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

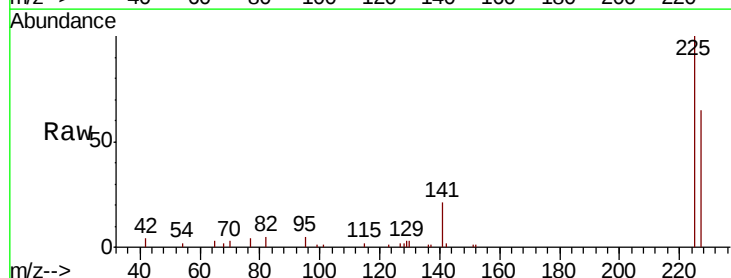
Tgt Ion:225 Resp: 8989

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

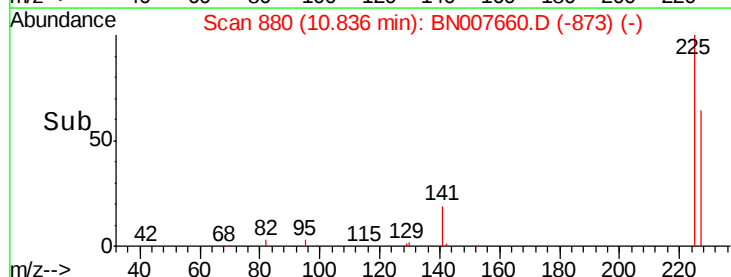
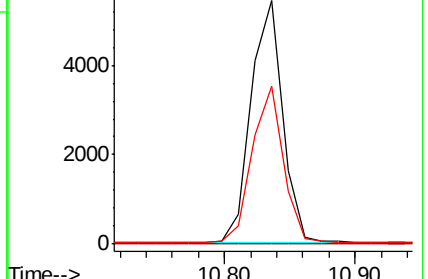
227 63.3 51.3 76.9

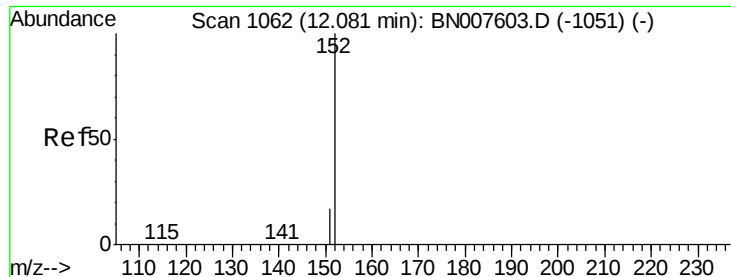


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

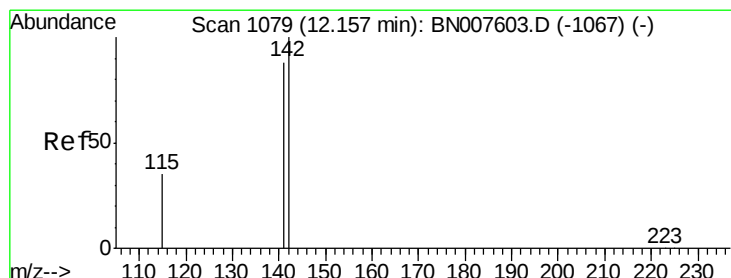
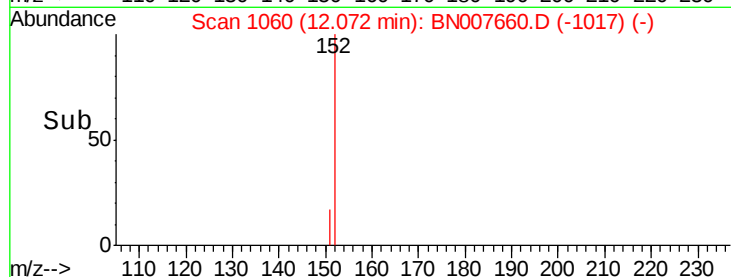
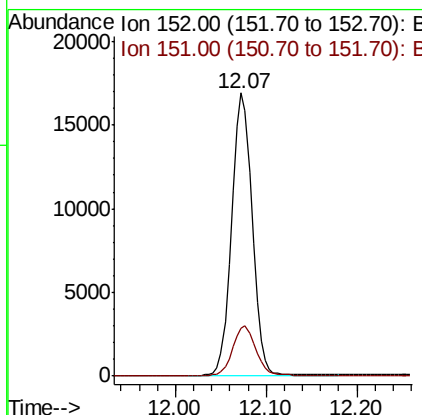
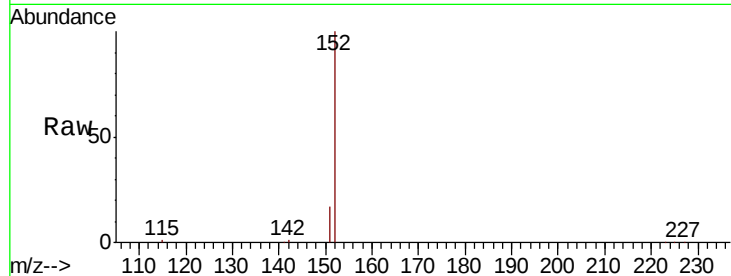




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.415 ng  
 RT: 12.07 min Scan# 1060  
 Delta R.T. -0.01 min  
 Lab File: BN007660.D  
 Acq: 14 Sep 2019 12:09

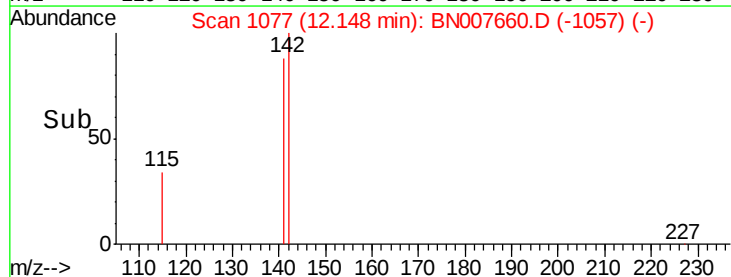
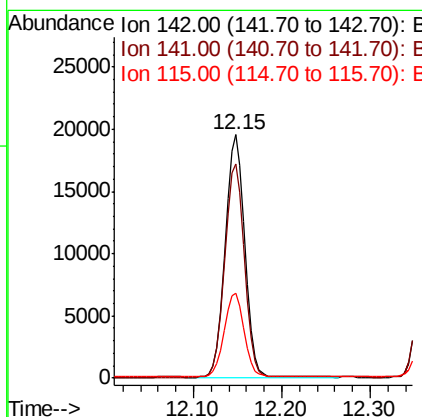
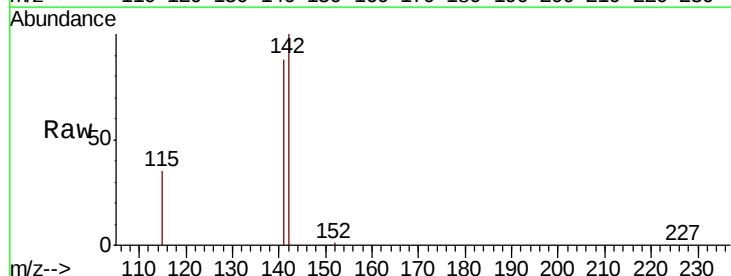
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Tot Ion:152 Resp: 26312  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.3 22.9



#12  
 2-Methylnaphthalene  
 Concen: 0.422 ng  
 RT: 12.15 min Scan# 1077  
 Delta R.T. -0.01 min  
 Lab File: BN007660.D  
 Acq: 14 Sep 2019 12:09

Tgt Ion:142 Resp: 30405  
 Ion Ratio Lower Upper  
 142 100  
 141 87.8 70.5 105.7  
 115 34.7 28.4 42.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

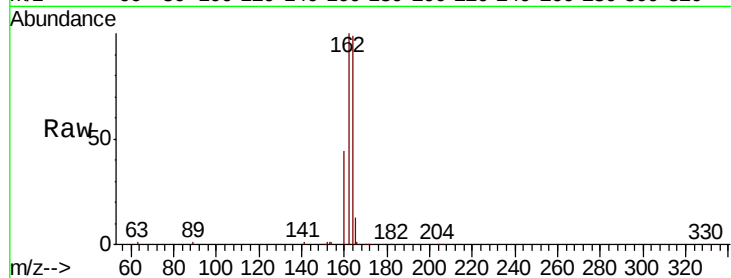
Tot Ion:164 Resp: 21022

Ion Ratio Lower Upper

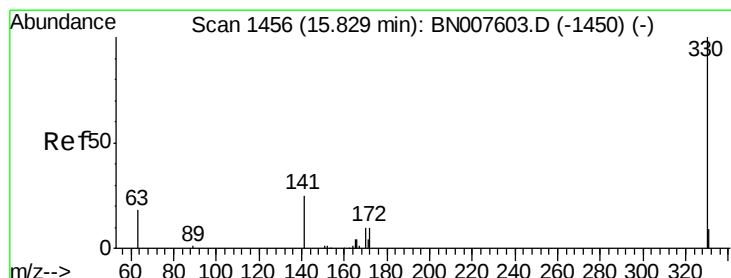
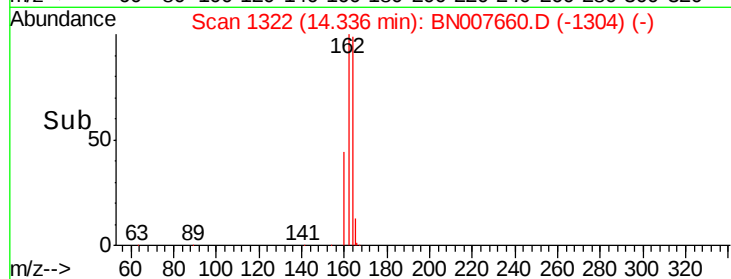
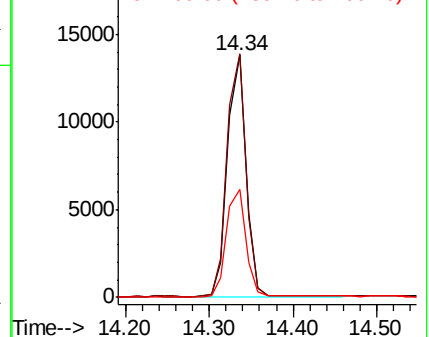
164 100

162 100.7 82.8 124.2

160 44.5 38.0 57.0



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: 0.317 ng

RT: 15.82 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

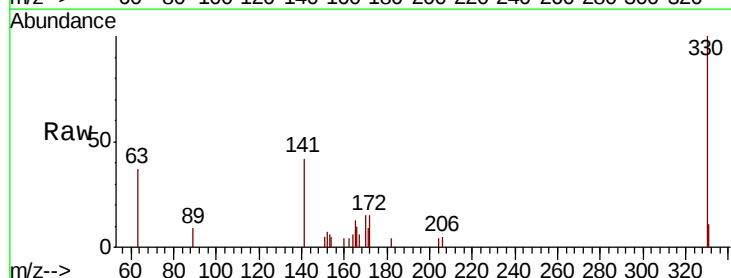
Tgt Ion:330 Resp: 2522

Ion Ratio Lower Upper

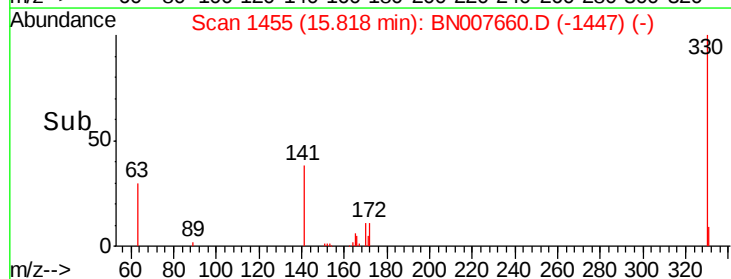
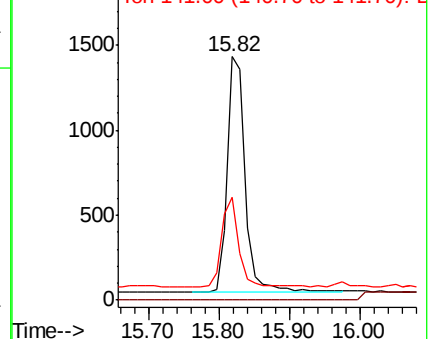
330 100

332 0.0 0.0 0.0

141 36.2 30.1 45.1



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

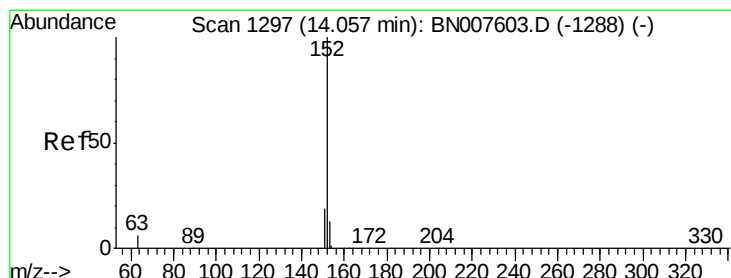
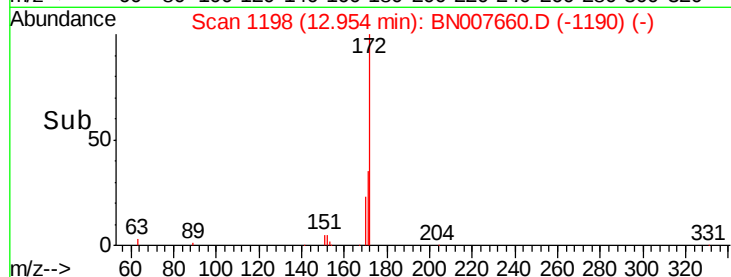
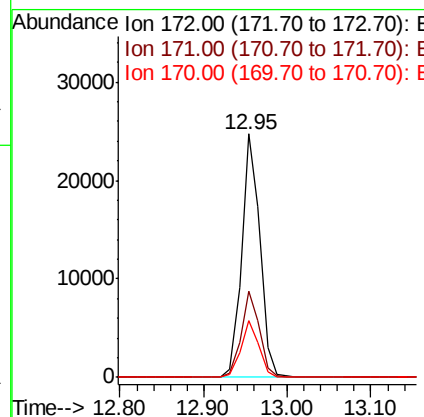
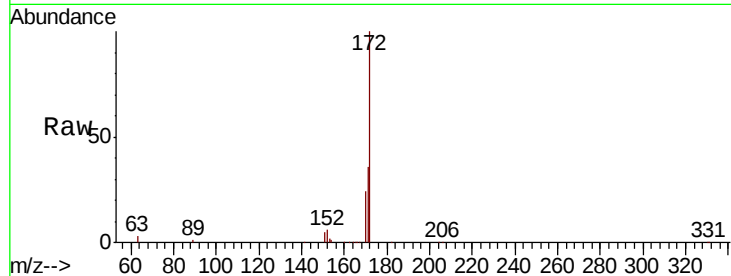




#15  
2-Fluorobiphenyl  
Concen: 0.404 ng  
RT: 12.95 min Scan# 1198  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

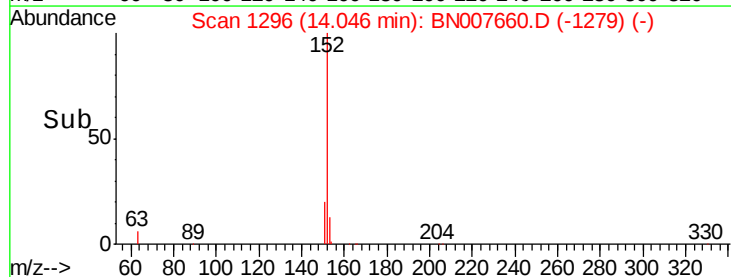
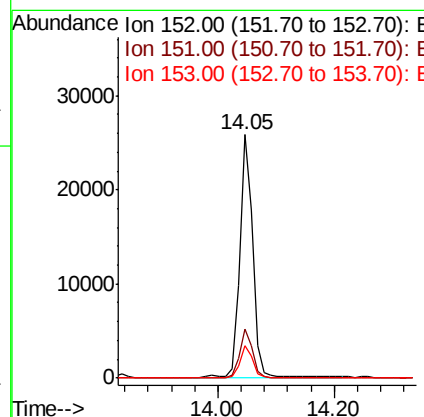
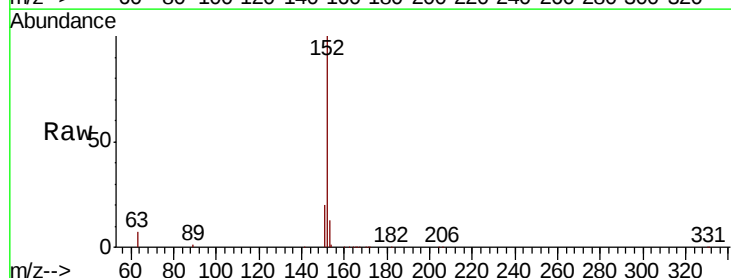
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

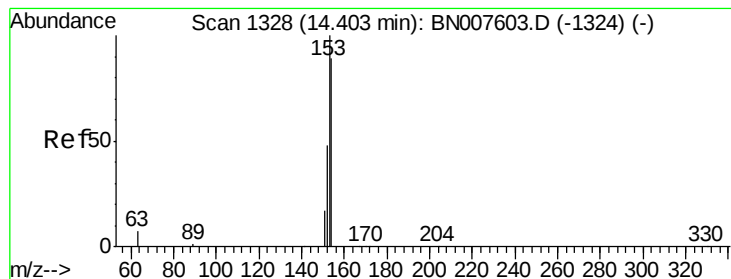
Tot Ion:172 Resp: 37023  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.9 41.9  
170 23.5 18.5 27.7



#16  
Acenaphthylene  
Concen: 0.366 ng  
RT: 14.05 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Tgt Ion:152 Resp: 40011  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.393 ng

RT: 14.39 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

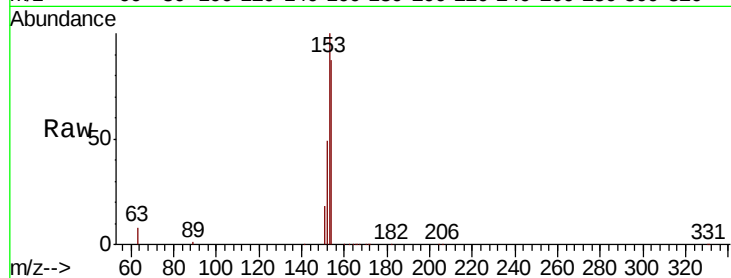
Tot Ion:154 Resp: 28031

Ion Ratio Lower Upper

154 100

153 111.5 89.8 134.8

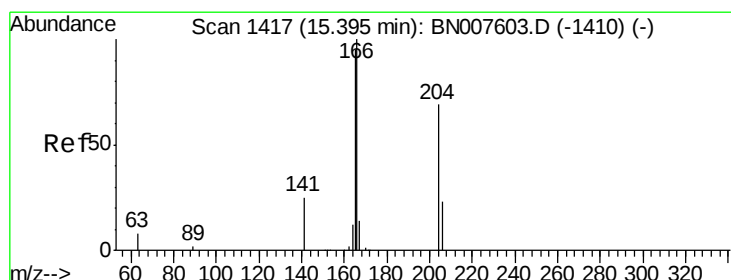
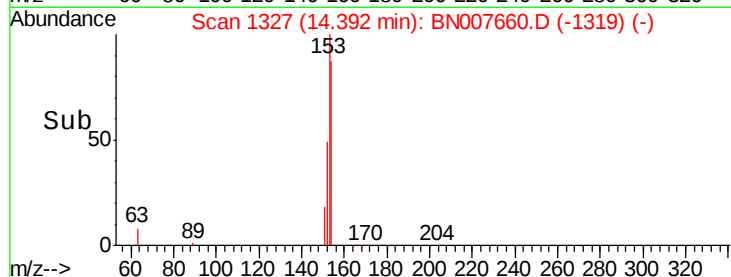
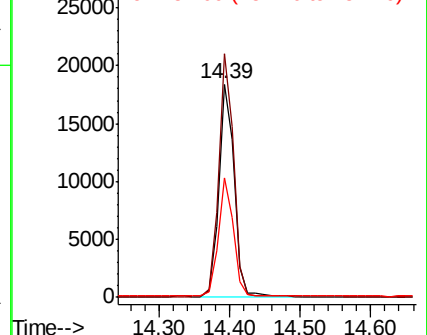
152 54.7 43.8 65.8



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: 0.387 ng

RT: 15.38 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

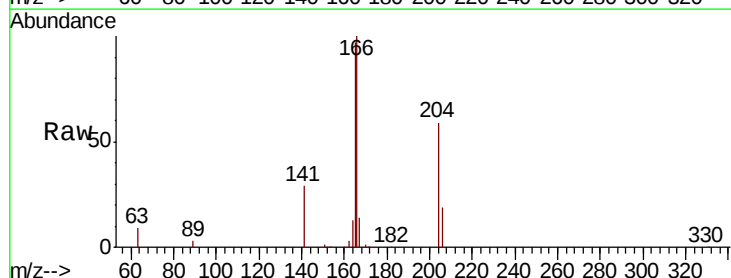
Tgt Ion:166 Resp: 34794

Ion Ratio Lower Upper

166 100

165 97.4 77.8 116.6

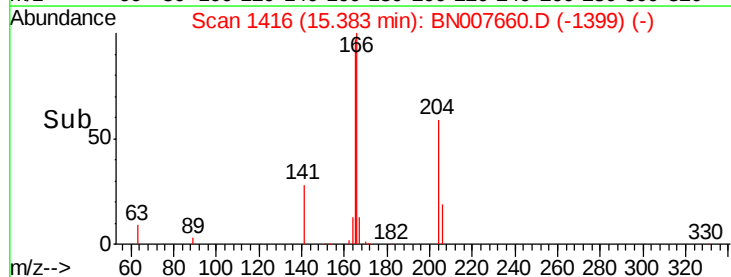
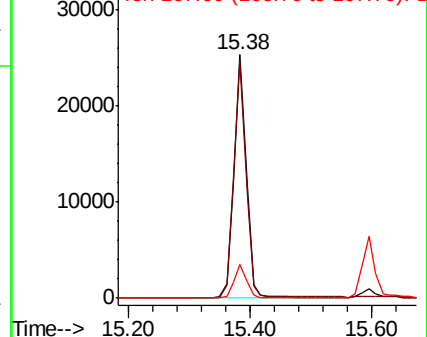
167 13.2 10.8 16.2

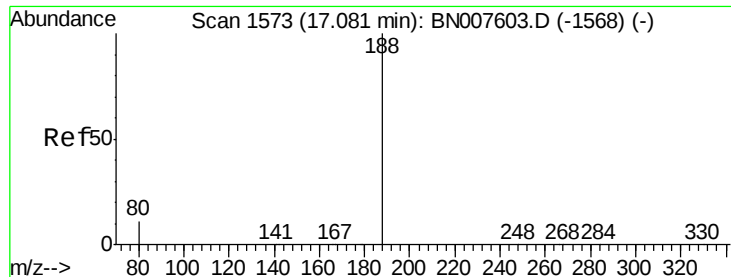


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

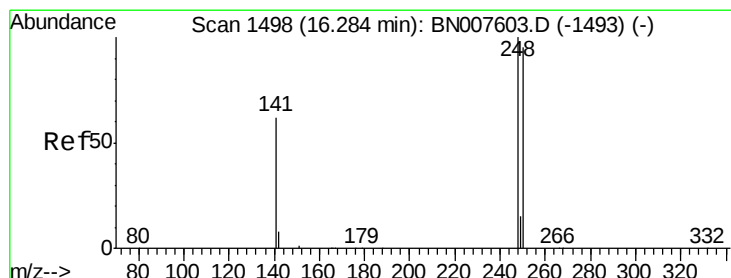
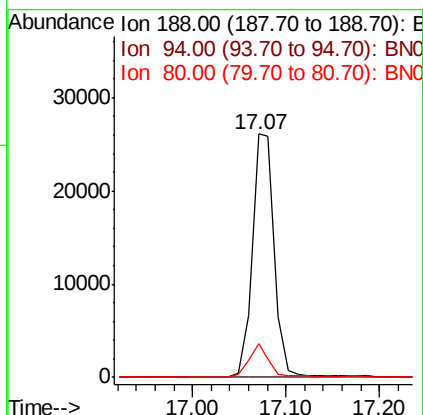
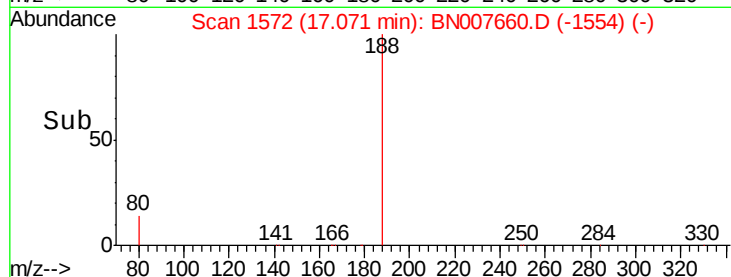
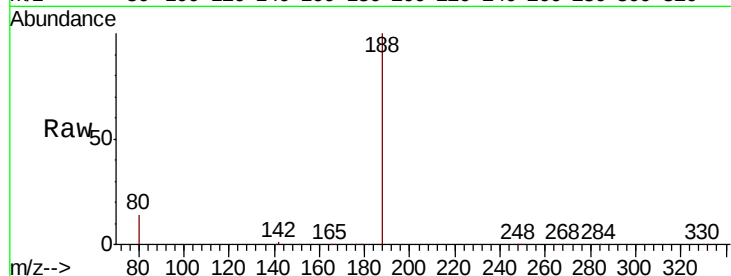
Tot Ion:188 Resp: 42643

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.0 8.8 13.2#



#20

4-Bromophenyl-phenylether

Concen: 0.422 ng

RT: 16.27 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

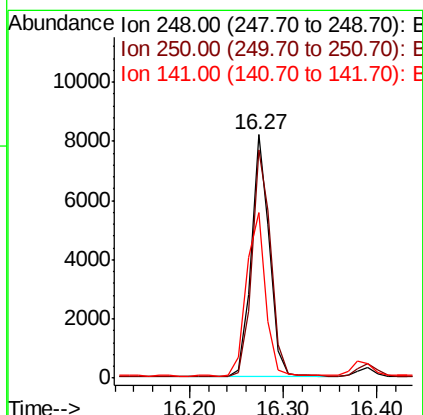
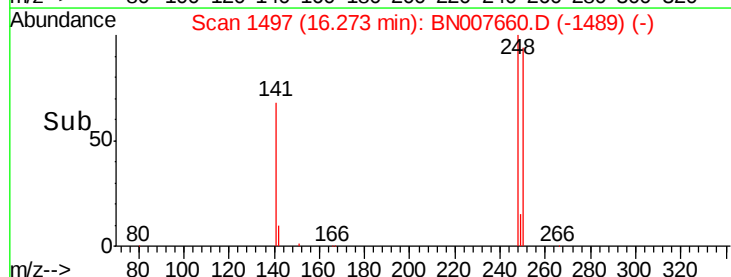
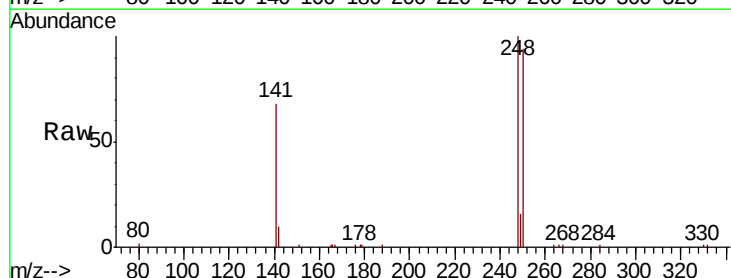
Tgt Ion:248 Resp: 11130

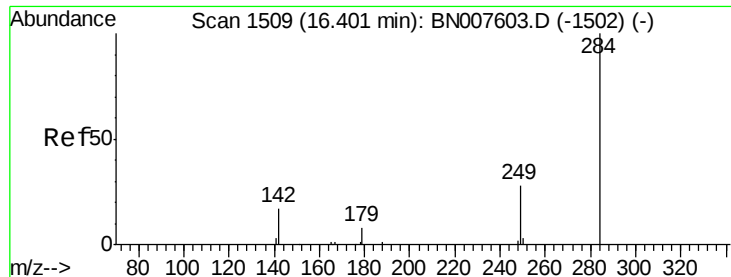
Ion Ratio Lower Upper

248 100

250 93.9 76.3 114.5

141 68.1 49.7 74.5





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.39 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

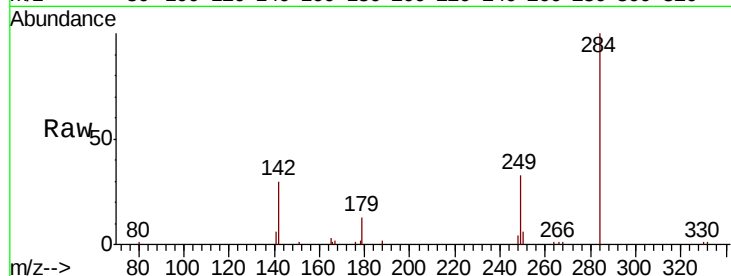
Tot Ion:284 Resp: 11950

Ion Ratio Lower Upper

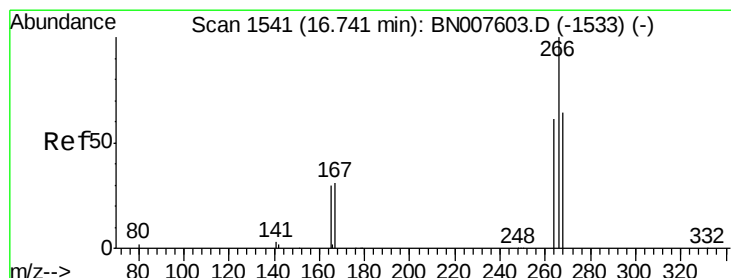
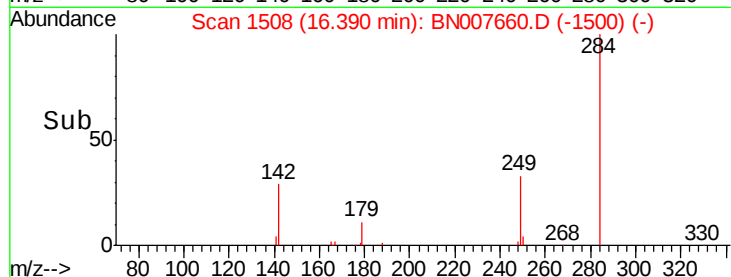
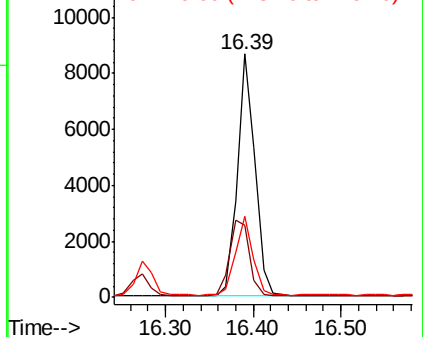
284 100

142 35.5 27.8 41.6

249 32.2 25.5 38.3



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: 0.356 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

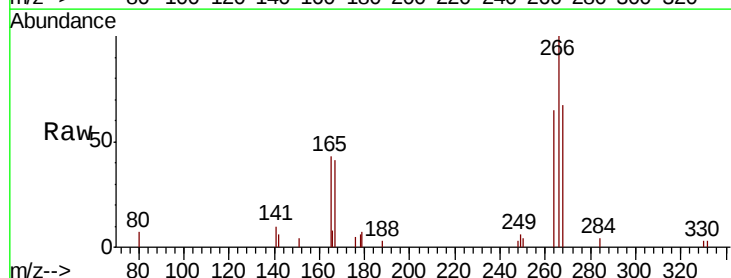
Tgt Ion:266 Resp: 2608

Ion Ratio Lower Upper

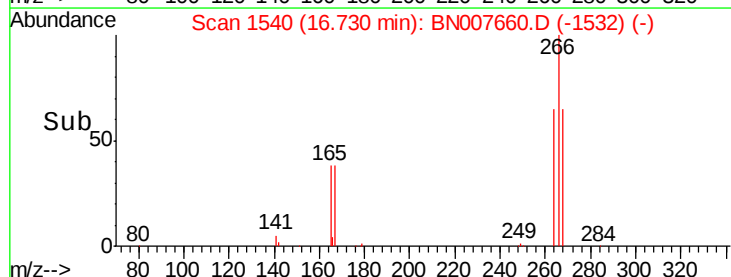
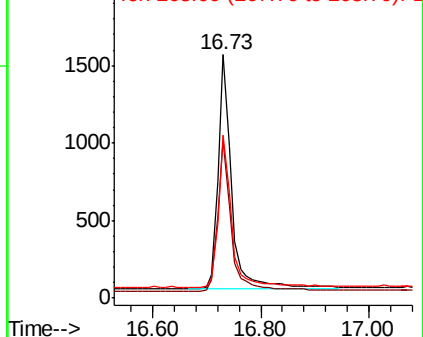
266 100

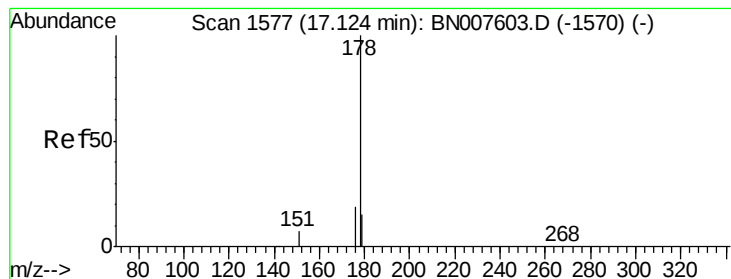
264 65.0 49.4 74.0

268 66.7 53.0 79.6



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: 0.433 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

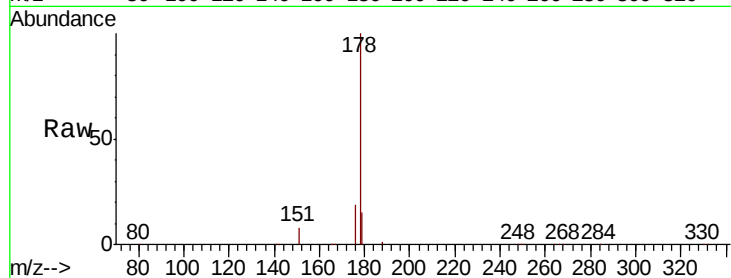
Tot Ion:178 Resp: 58227

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

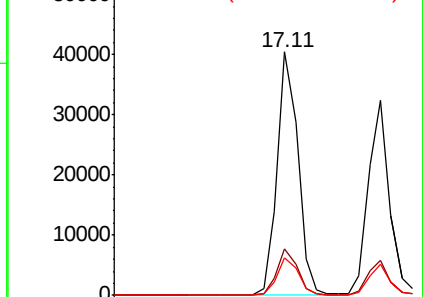
179 15.4 12.4 18.6



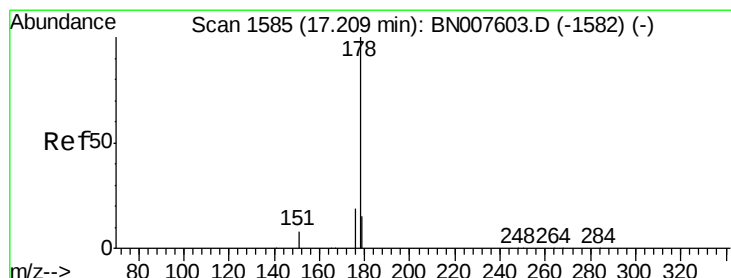
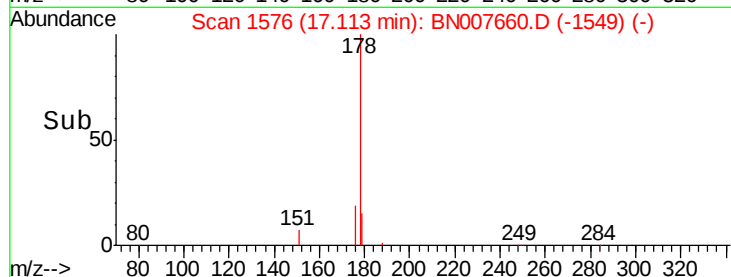
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.402 ng

RT: 17.21 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

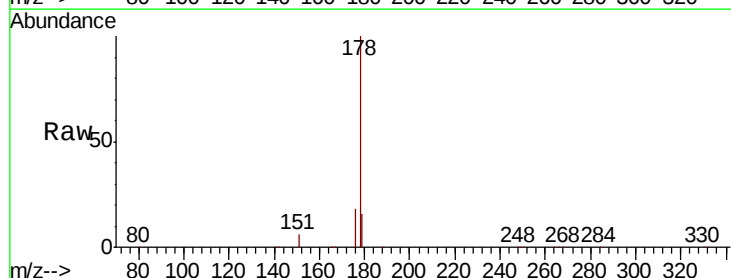
Tgt Ion:178 Resp: 47918

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

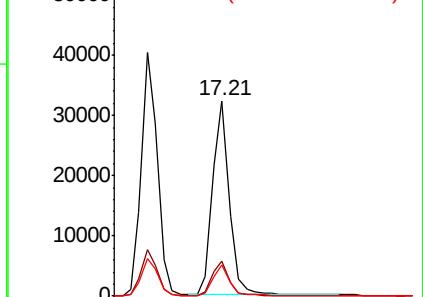
179 15.5 12.4 18.6



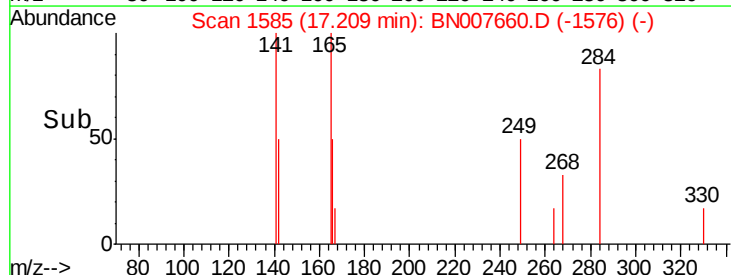
Abundance Ion 178.00 (177.70 to 178.70): E

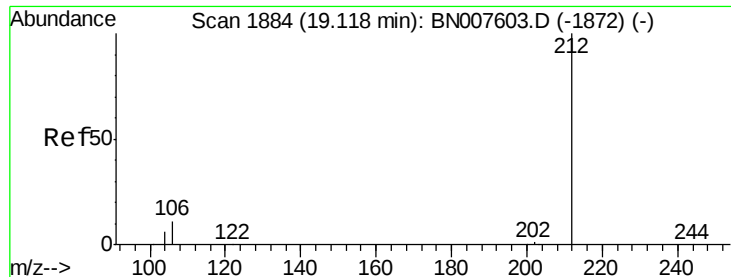
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

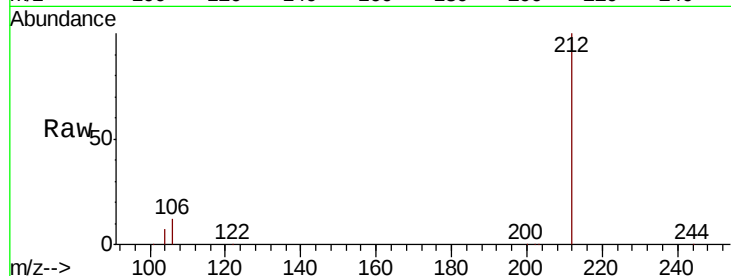




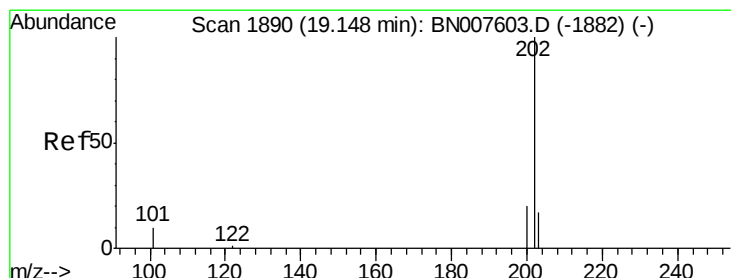
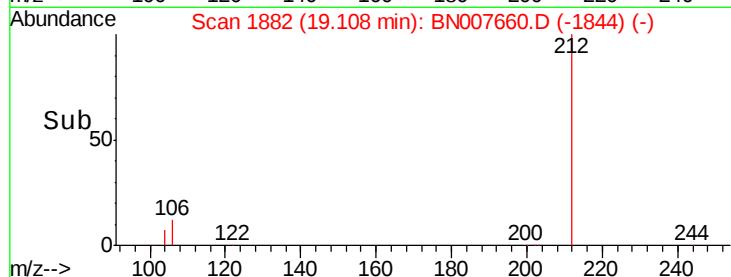
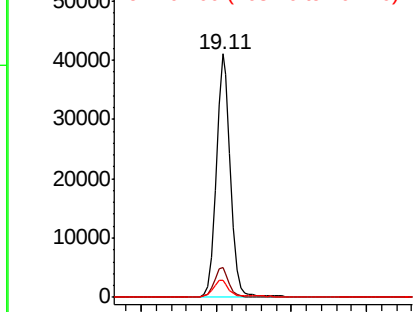
#25  
Fluoranthene-d10  
Concen: 0.407 ng  
RT: 19.11 min Scan# 1882  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:212 Resp: 54773  
Ion Ratio Lower Upper  
212 100  
106 12.3 9.6 14.4  
104 7.0 5.4 8.0

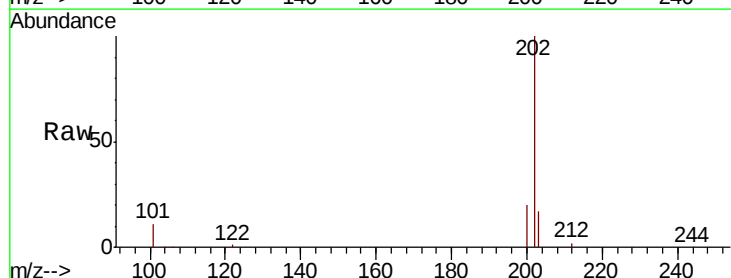


Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E

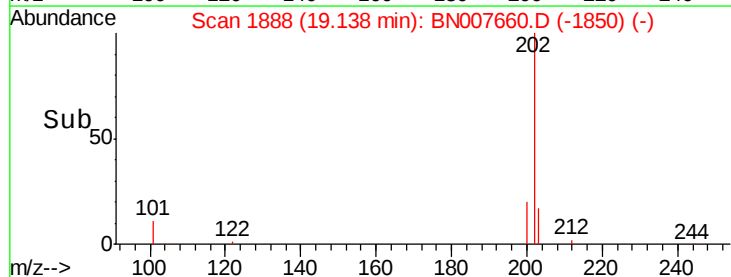
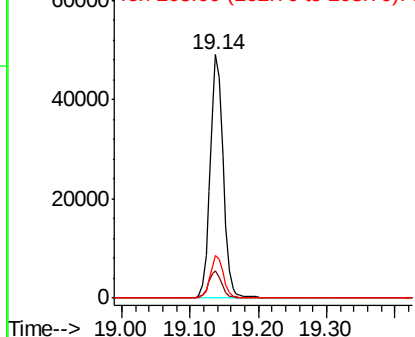


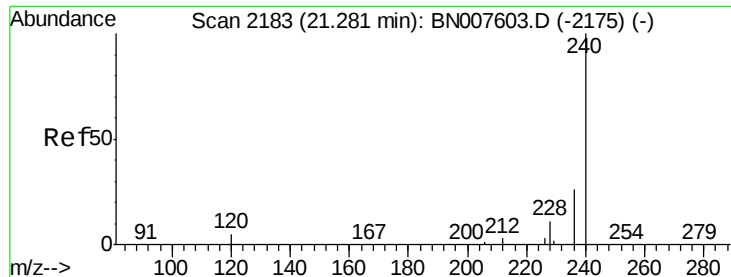
#26  
Fluoranthene  
Concen: 0.415 ng  
RT: 19.14 min Scan# 1888  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Tgt Ion:202 Resp: 65235  
Ion Ratio Lower Upper  
202 100  
101 11.1 8.6 13.0  
203 17.1 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: 21.27 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

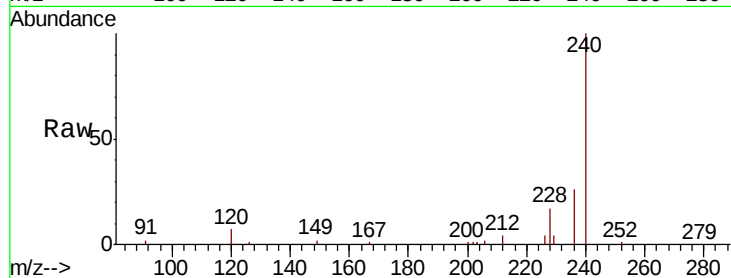
Tot Ion:240 Resp: 42209

Ion Ratio Lower Upper

240 100

120 7.1 4.3 6.5#

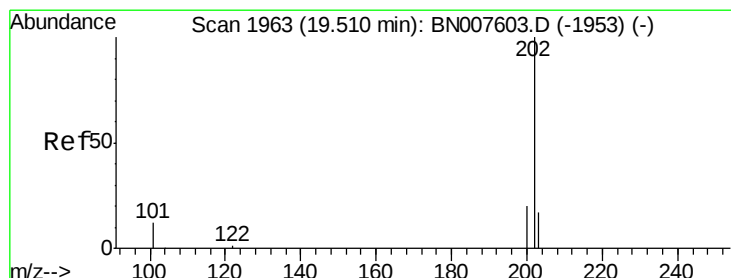
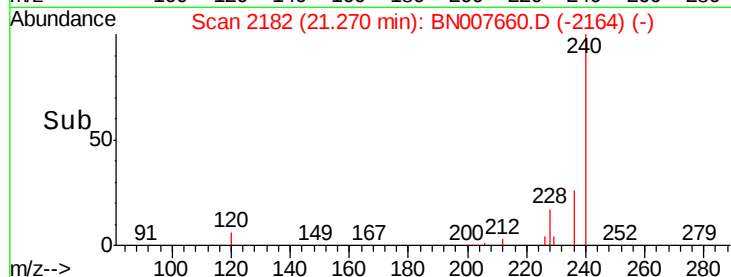
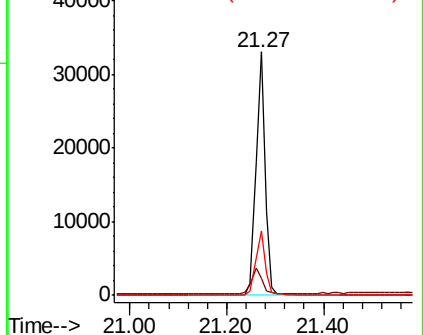
236 26.3 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.423 ng

RT: 19.50 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

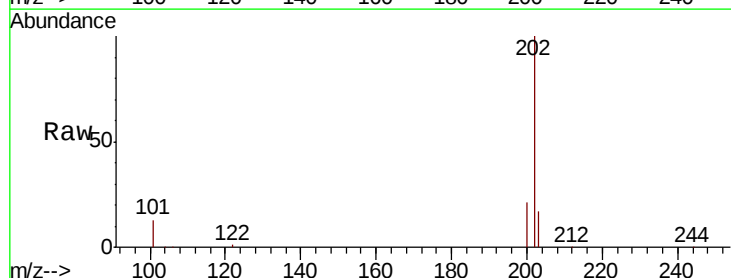
Tgt Ion:202 Resp: 64874

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

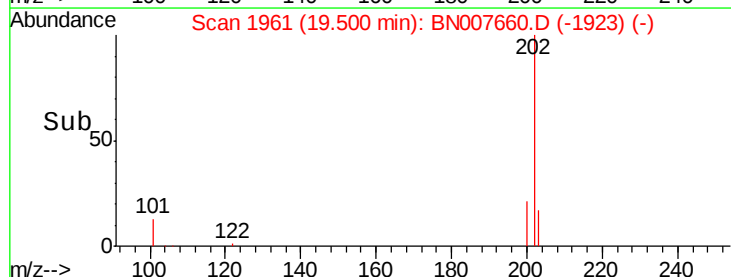
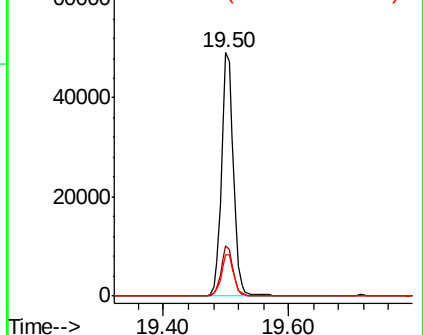
203 17.5 14.0 21.0

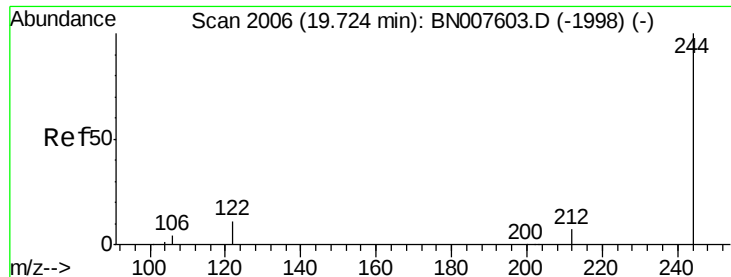


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.419 ng

RT: 19.71 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

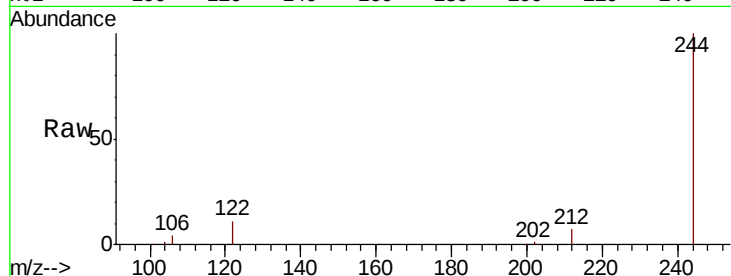
Tot Ion:244 Resp: 46635

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 11.1 8.6 12.8

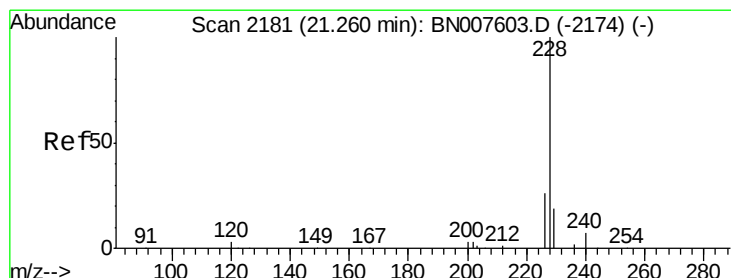
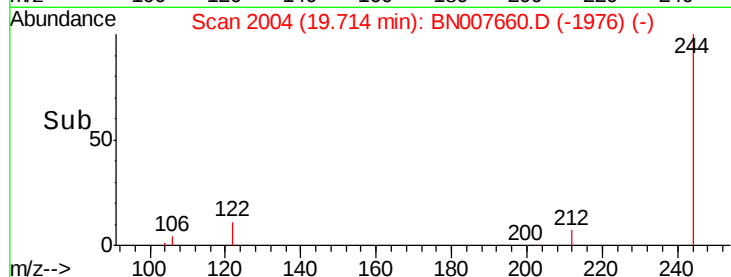
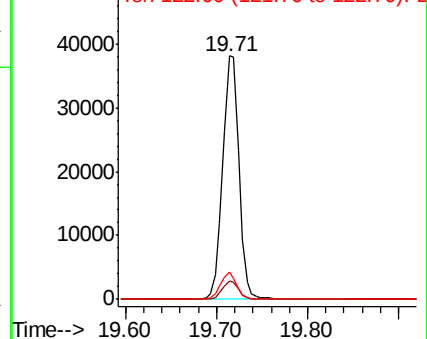


Abundance

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: 0.396 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

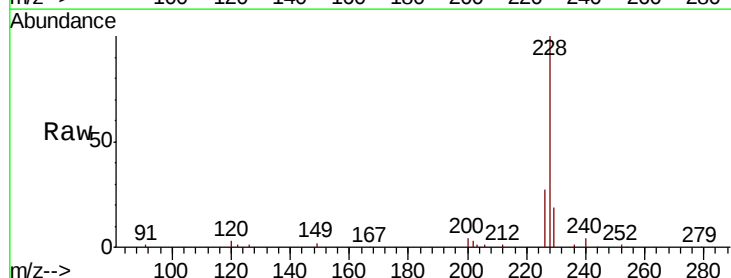
Tgt Ion:228 Resp: 59268

Ion Ratio Lower Upper

228 100

226 27.4 21.2 31.8

229 19.0 15.5 23.3

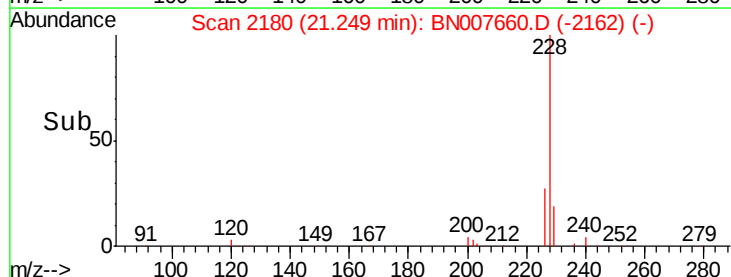
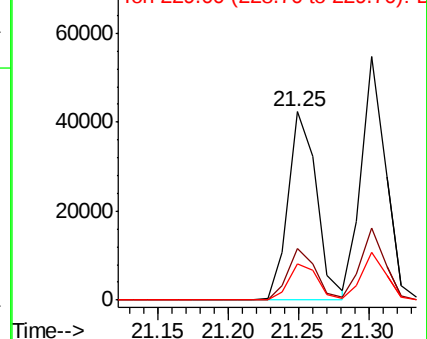


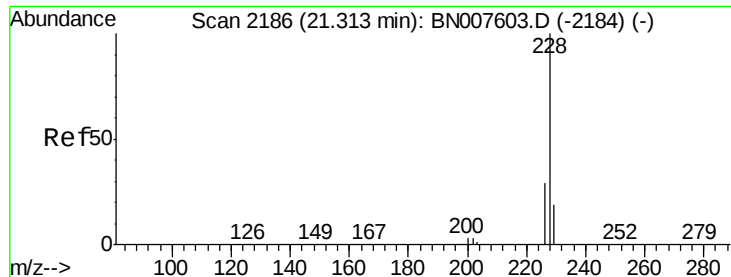
Abundance

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: 0.426 ng

RT: 21.30 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

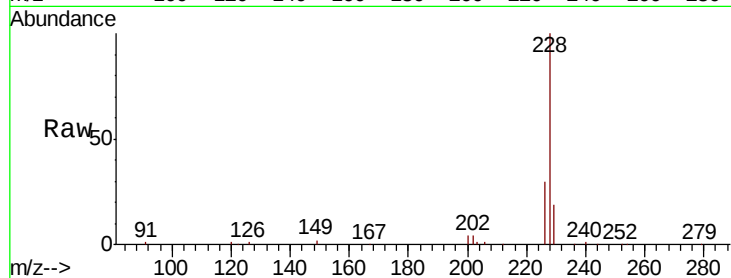
BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 66270

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.8  | 23.4  | 35.2  |
| 229 | 19.4  | 15.5  | 23.3  |

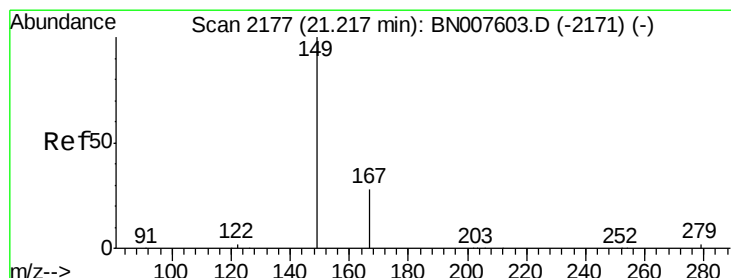
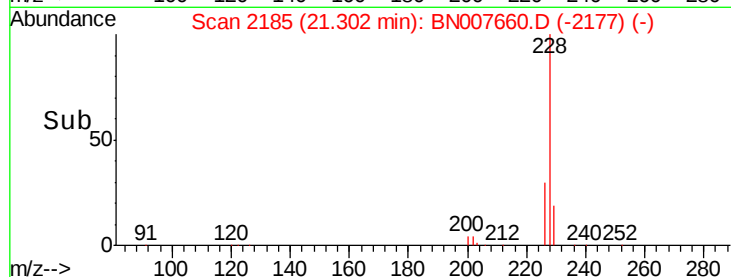
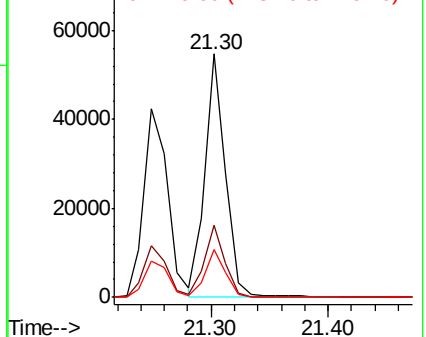


Abundance

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: 0.341 ng

RT: 21.21 min Scan# 2176

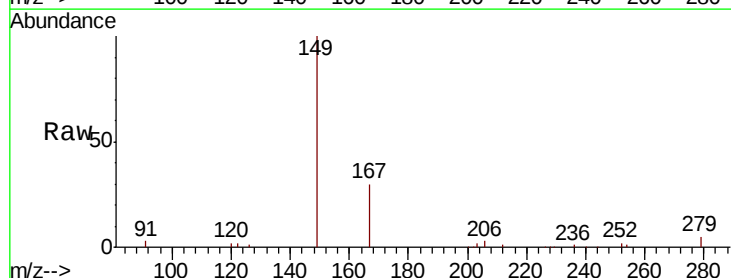
Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Tgt Ion:149 Resp: 17276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.4  | 22.6  | 34.0  |
| 279 | 4.7   | 3.8   | 5.6   |

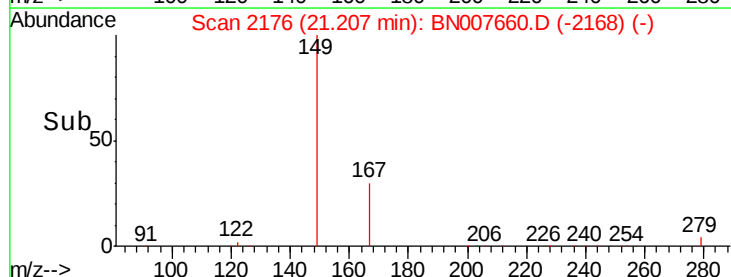
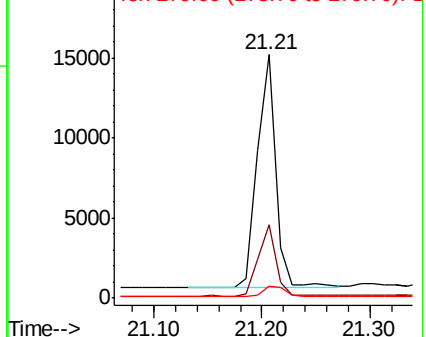


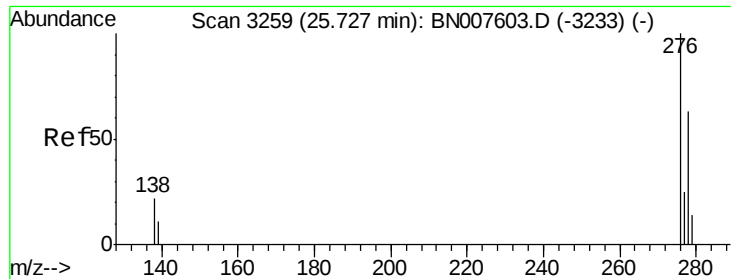
Abundance

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: 0.458 ng

RT: 25.70 min Scan# 3252

Delta R.T. -0.02 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

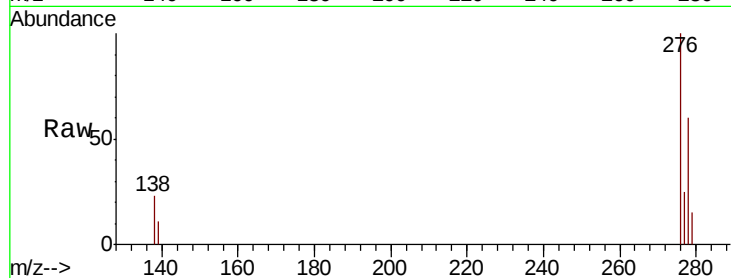
Tot Ion:276 Resp: 76197

Ion Ratio Lower Upper

276 100

138 23.8 18.2 27.4

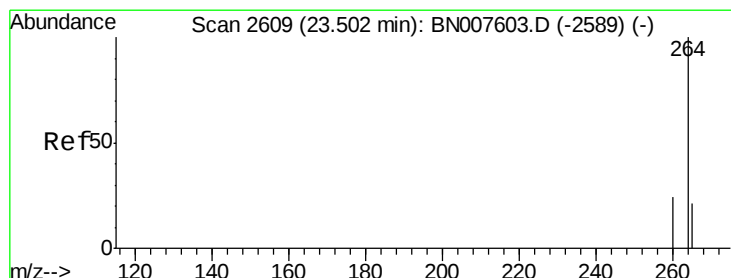
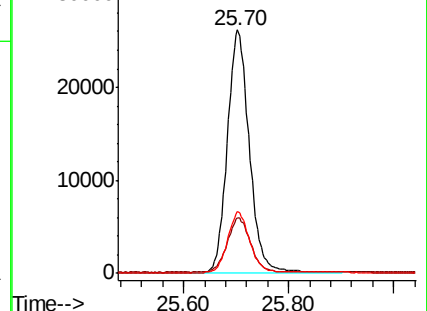
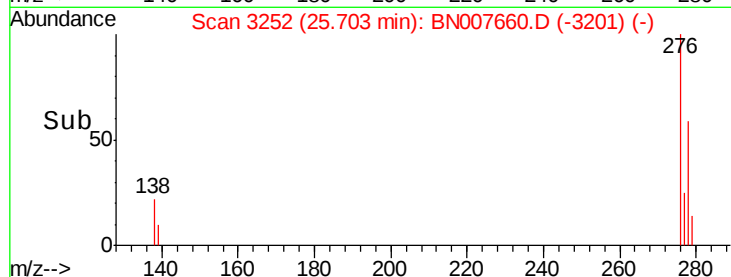
277 25.1 20.1 30.1



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: 23.49 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

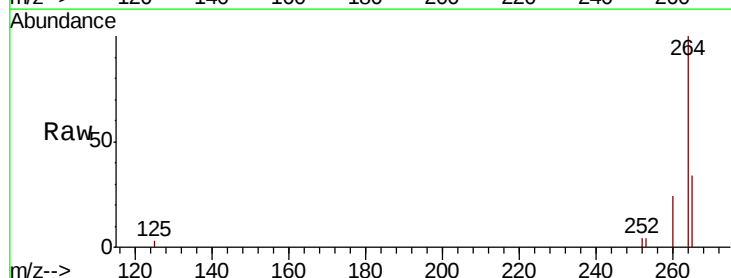
Tgt Ion:264 Resp: 42948

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

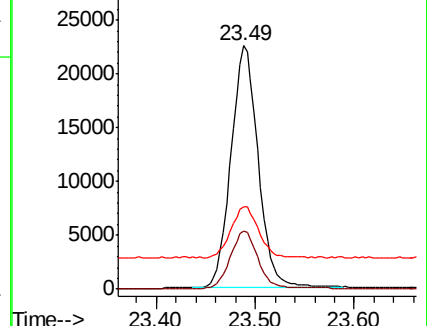
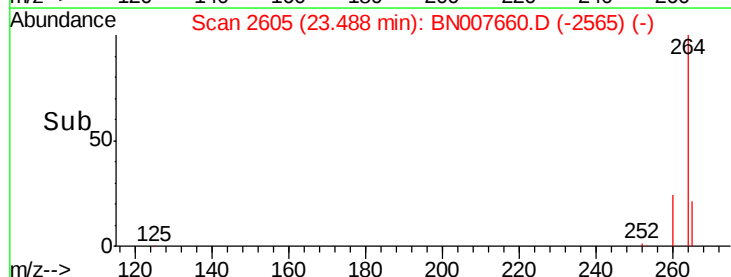
265 34.0 24.6 37.0



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

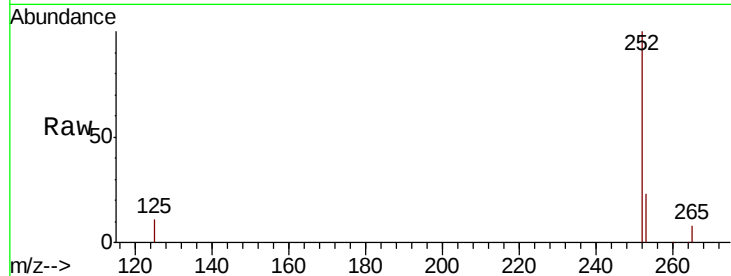




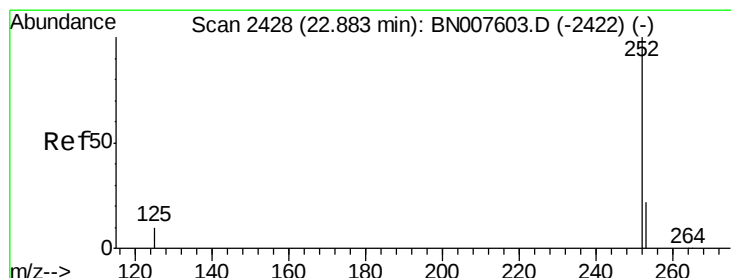
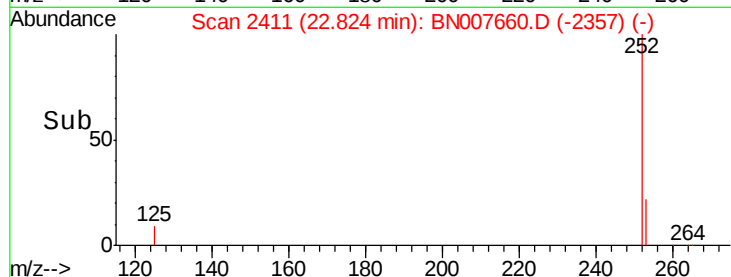
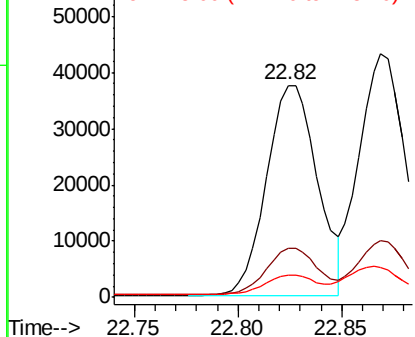
#35  
Benzo(b)fluoranthene  
Concen: 0.408 ng  
RT: 22.82 min Scan# 2411  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:252 Resp: 63595  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.8  
125 10.5 8.0 12.0

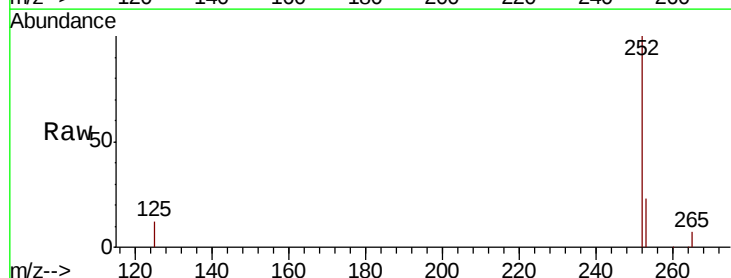


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

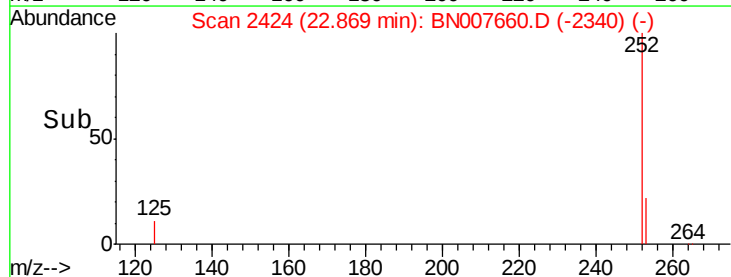
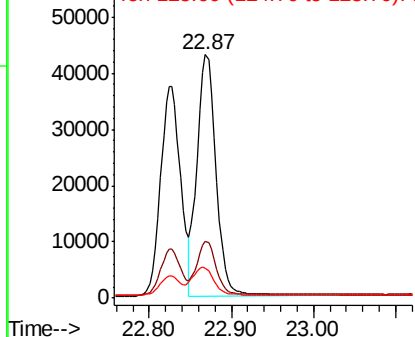


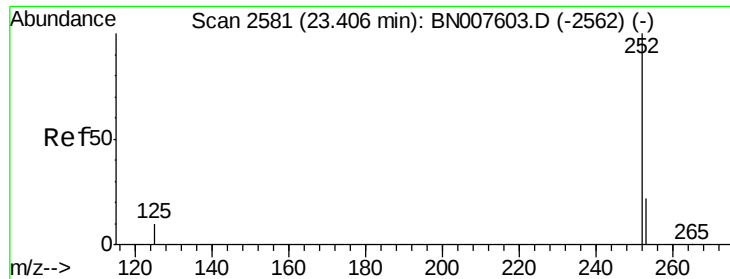
#36  
Benzo(k)fluoranthene  
Concen: 0.431 ng  
RT: 22.87 min Scan# 2424  
Delta R.T. -0.01 min  
Lab File: BN007660.D  
Acq: 14 Sep 2019 12:09

Tgt Ion:252 Resp: 68860  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.3 27.5  
125 12.2 8.9 13.3



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





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.39 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

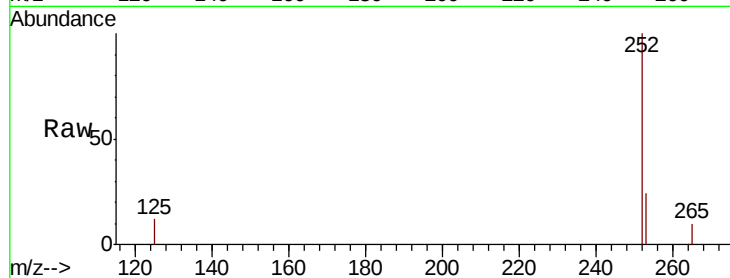
Tot Ion:252 Resp: 55856

Ion Ratio Lower Upper

252 100

253 23.6 18.3 27.5

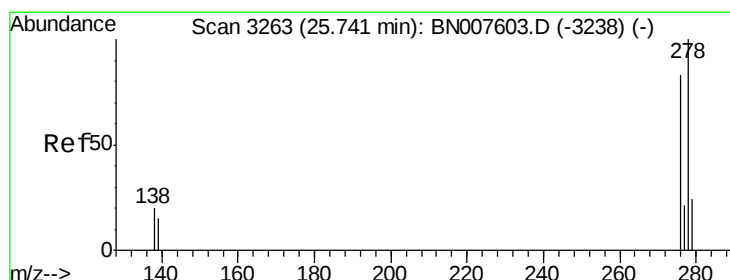
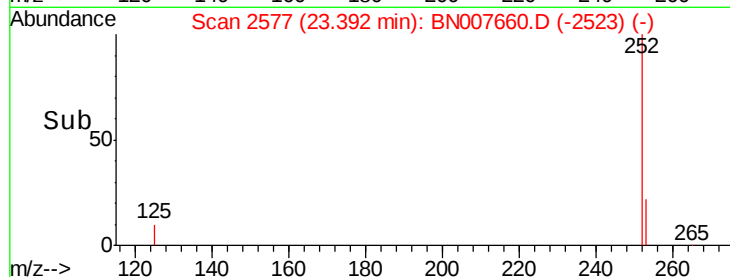
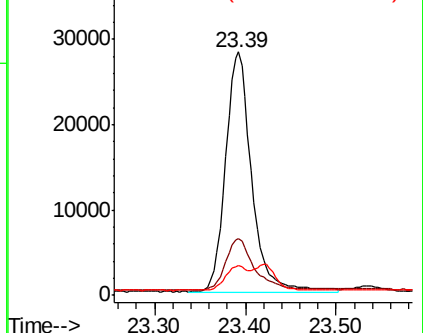
125 12.1 8.9 13.3



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: 0.424 ng

RT: 25.72 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BN007660.D

Acq: 14 Sep 2019 12:09

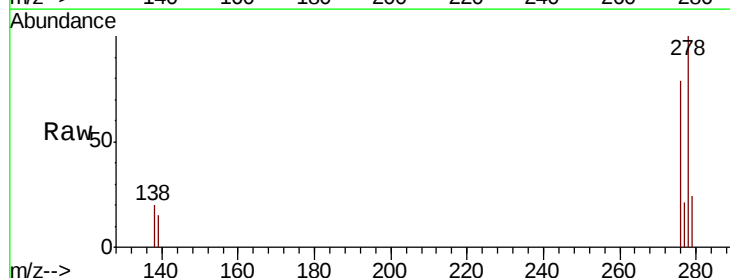
Tgt Ion:278 Resp: 61387

Ion Ratio Lower Upper

278 100

139 15.4 12.6 18.8

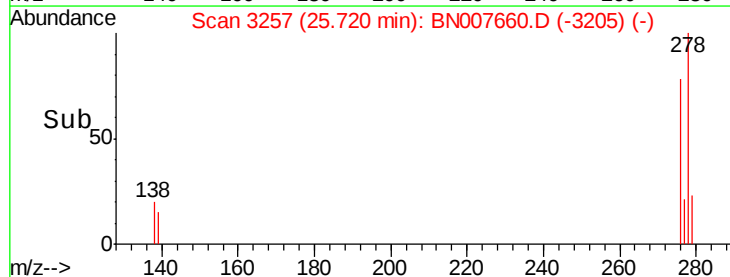
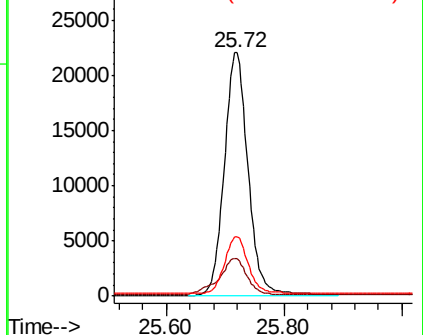
279 24.2 19.6 29.4

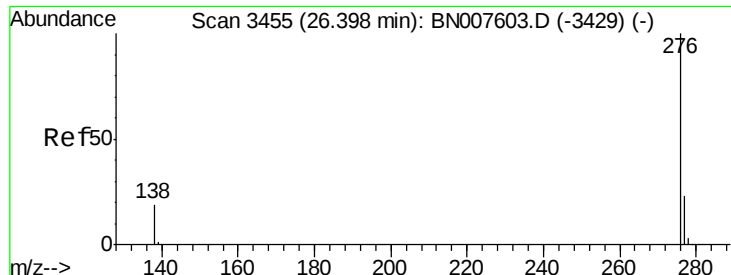


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.410 ng

RT: 26.38 min Scan# 3449

Delta R.T. -0.02 min

Lab File: BN007660.D

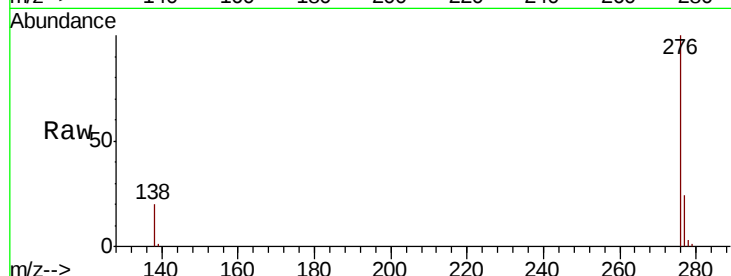
Acq: 14 Sep 2019 12:09

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC



Tot Ion: 276 Resp: 58817

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 20.0 15.8 23.6

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

