

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN102918\  
 Data File : BN003332.D  
 Acq On : 29 Oct 2018 12:21  
 Operator : MJ/SJ  
 Sample : J5521-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 AOC6-01AMS

Quant Time: Oct 30 06:44:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN102618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 16:15:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 15089    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.66 | 136  | 65949    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.49 | 164  | 38341    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.24 | 188  | 87860    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 99004    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.74 | 264  | 93291    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.43  | 112  | 13877    | 0.37 | ng    | 0.00     |
| 5) Phenol-d6                | 7.01  | 99   | 18055    | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.02  | 82   | 11925    | 0.41 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152  | 30124    | 0.28 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330  | 4926     | 0.32 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 45619    | 0.28 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.26 | 212  | 66922    | 0.26 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 58865    | 0.26 | ng    | 0.00     |

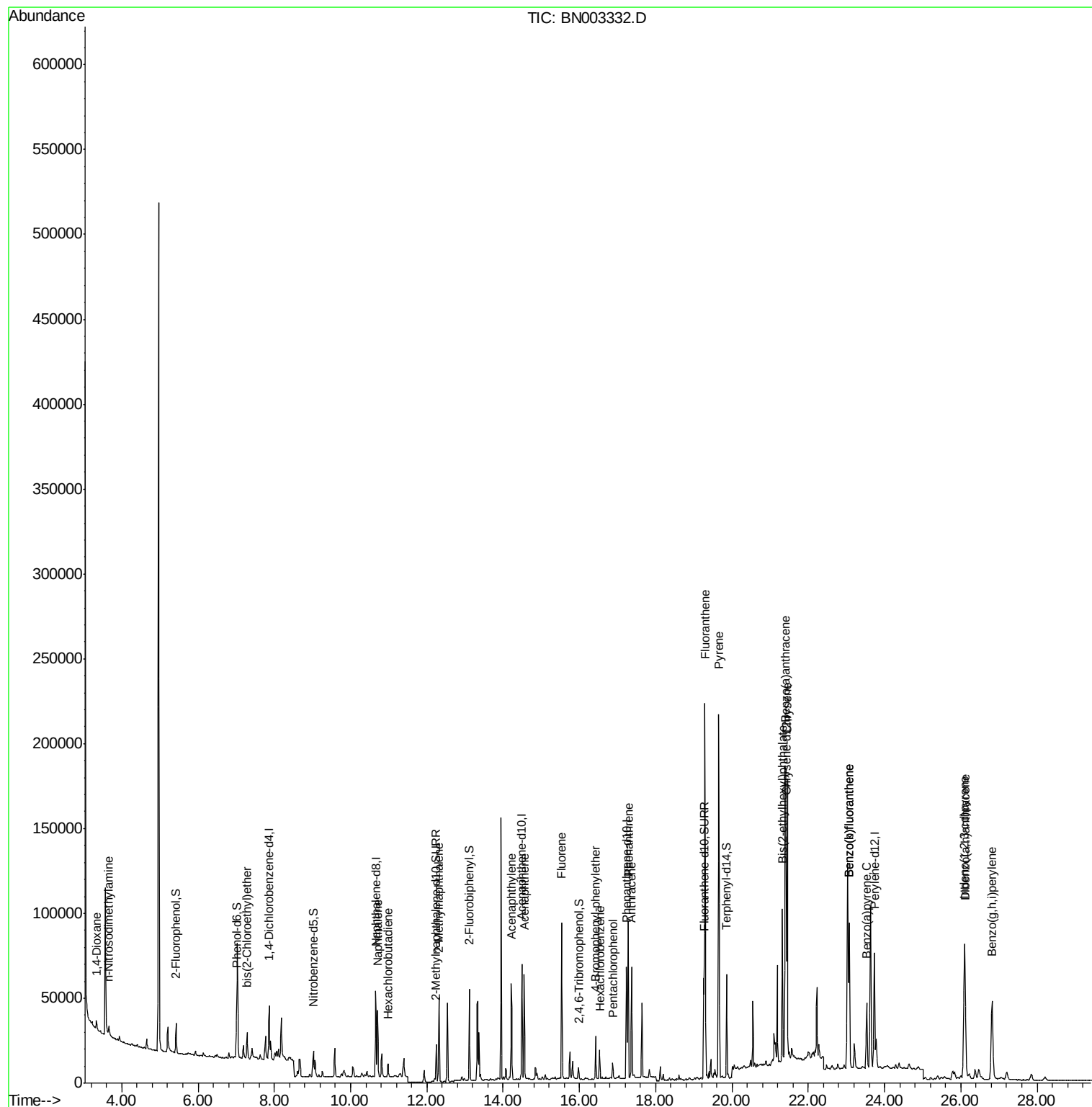
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 3649     | 0.187 | ng    | # 36   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 4097     | 0.456 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93   | 12252    | 0.291 | ng    | 98     |
| 9) Naphthalene                 | 10.71 | 128  | 48089    | 0.298 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.99 | 225  | 7013     | 0.238 | ng    | # 99   |
| 12) 2-Methylnaphthalene        | 12.32 | 142  | 34137    | 0.303 | ng    | 98     |
| 16) Acenaphthylene             | 14.21 | 152  | 64366    | 0.377 | ng    | 100    |
| 17) Acenaphthene               | 14.56 | 154  | 30291    | 0.256 | ng    | 99     |
| 18) Fluorene                   | 15.54 | 166  | 41841    | 0.282 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.43 | 248  | 13123    | 0.258 | ng    | # 91   |
| 21) Hexachlorobenzene          | 16.54 | 284  | 12373    | 0.231 | ng    | 99     |
| 22) Pentachlorophenol          | 16.88 | 266  | 4458     | 0.307 | ng    | 98     |
| 23) Phenanthrene               | 17.28 | 178  | 101219   | 0.420 | ng    | 100    |
| 24) Anthracene                 | 17.37 | 178  | 67141    | 0.325 | ng    | 100    |
| 26) Fluoranthene               | 19.29 | 202  | 195451   | 0.706 | ng    | 98     |
| 28) Pyrene                     | 19.66 | 202  | 189519   | 0.692 | ng    | 99     |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 138564   | 0.534 | ng    | 97     |
| 31) Chrysene                   | 21.45 | 228  | 141154   | 0.504 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 76398    | 0.995 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.10 | 276  | 113841   | 0.393 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 23.08 | 252  | 109034   | 0.375 | ng    | 97     |
| 36) Benzo(k)fluoranthene       | 23.08 | 252  | 110613   | 0.384 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.53 | 252  | 54642    | 0.206 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.11 | 278  | 66474    | 0.269 | ng    | 97     |
| 39) Benzo(g,h,i)perylene       | 26.82 | 276  | 101955   | 0.413 | ng    | 100    |

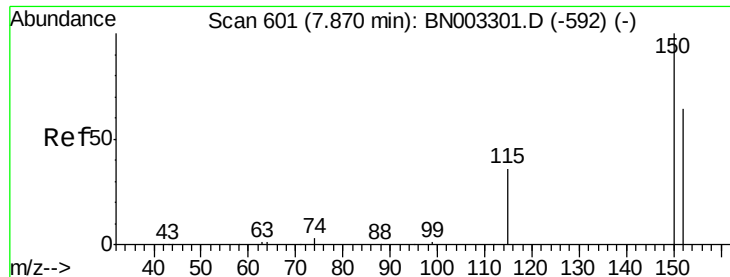
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 29 16:15:49 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

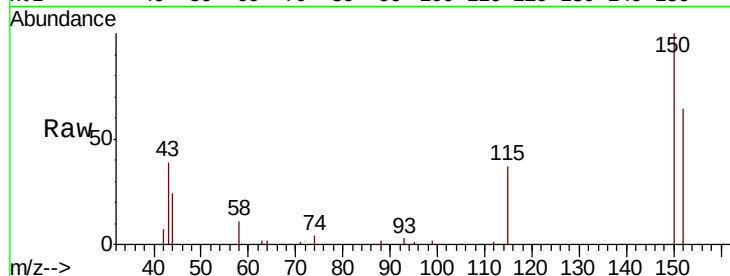
Tgt Ion:152 Resp: 15089

Ion Ratio Lower Upper

152 100

150 156.5 124.6 187.0

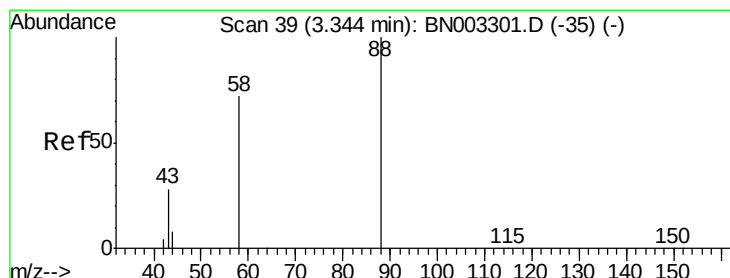
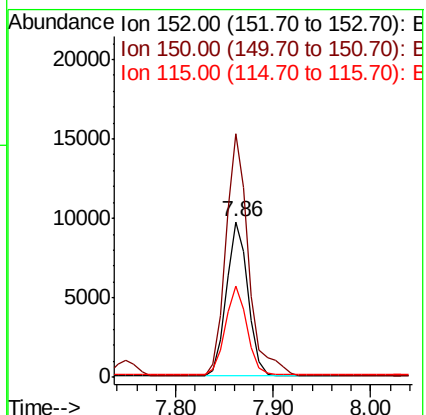
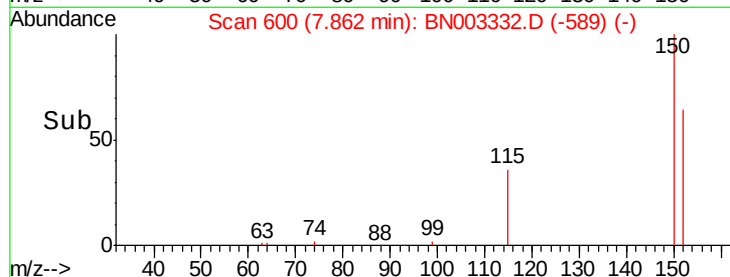
115 58.5 46.4 69.6



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: 0.187 ng

RT: 3.34 min Scan# 39

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

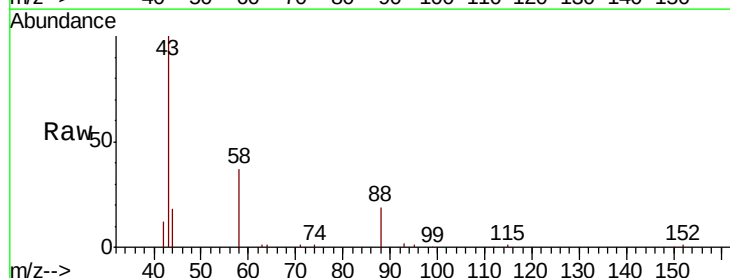
Tgt Ion: 88 Resp: 3649

Ion Ratio Lower Upper

88 100

58 90.7 60.9 91.3

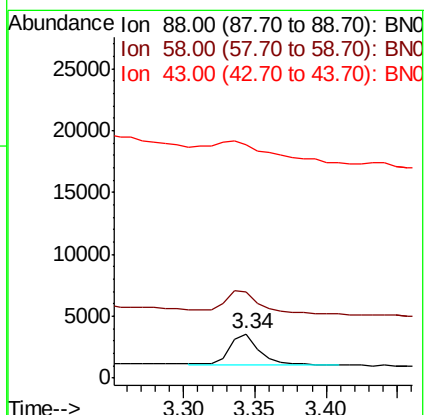
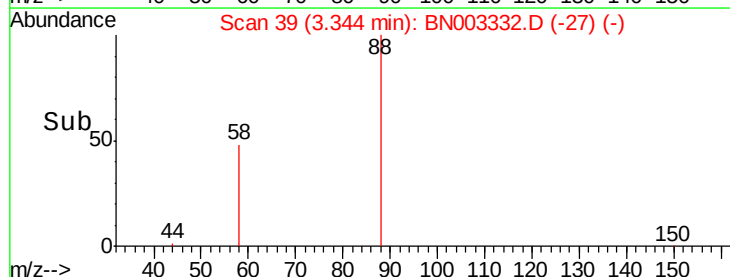
43 128.7 23.9 35.9#

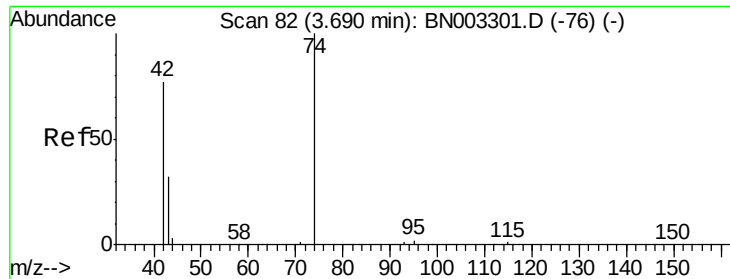


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.456 ng

RT: 3.67 min Scan# 79

Delta R.T. -0.02 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

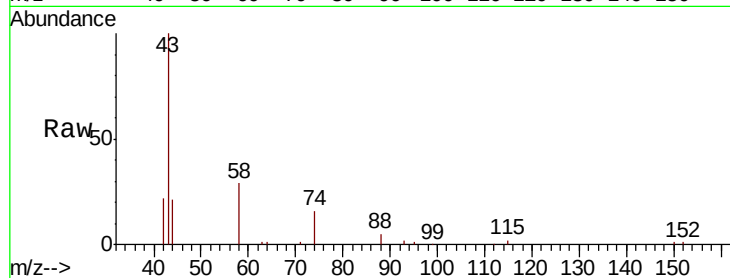
Tgt Ion: 42 Resp: 4097

Ion Ratio Lower Upper

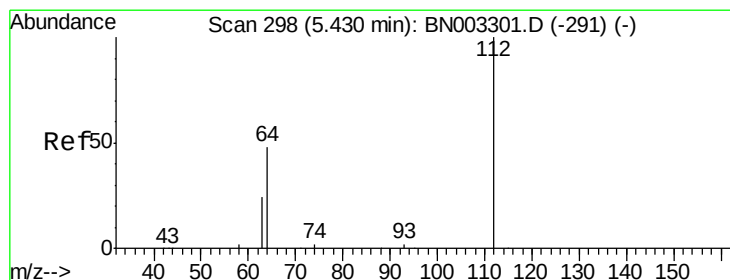
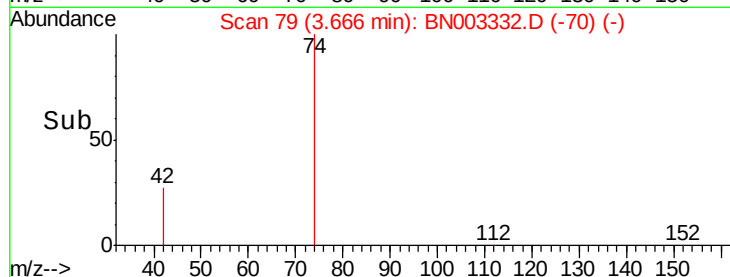
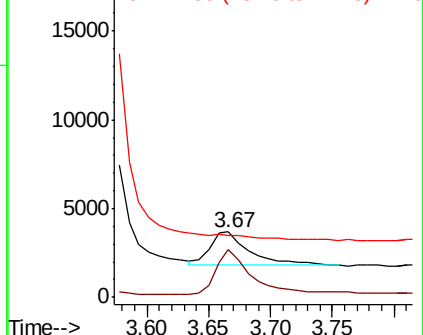
42 100

74 126.5 99.1 148.7

44 0.0 4.2 6.4#



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: 0.371 ng

RT: 5.43 min Scan# 298

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

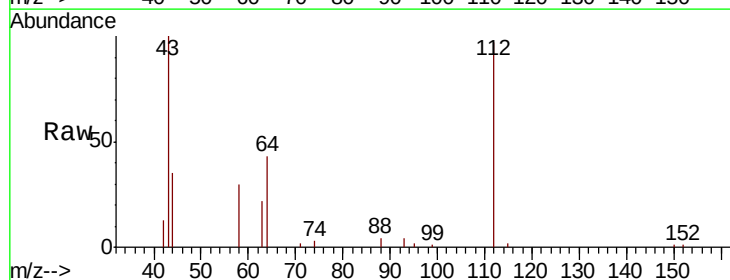
Tgt Ion: 112 Resp: 13877

Ion Ratio Lower Upper

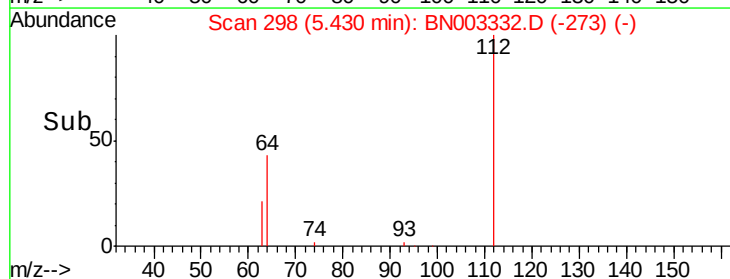
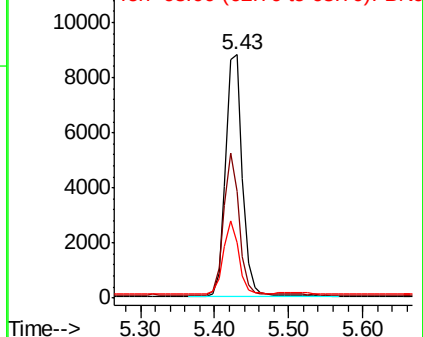
112 100

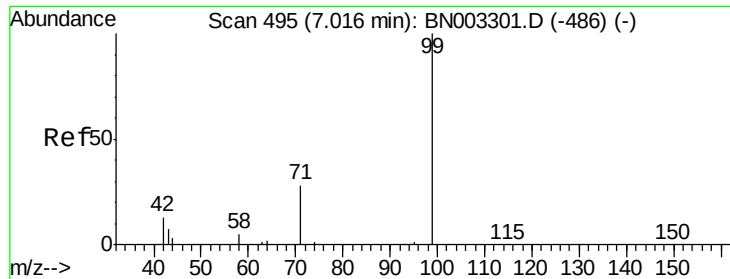
64 53.4 44.3 66.5

63 27.2 22.4 33.6



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





#5

Phenol-d6

Concen: 0.383 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

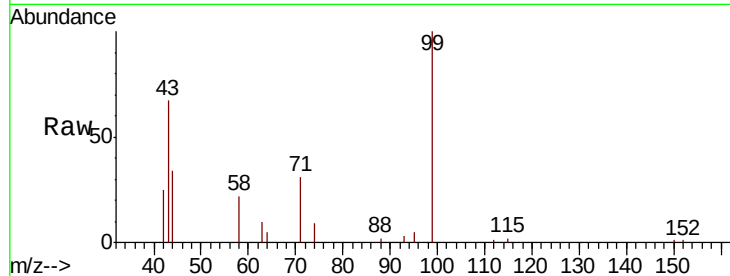
Tgt Ion: 99 Resp: 18055

Ion Ratio Lower Upper

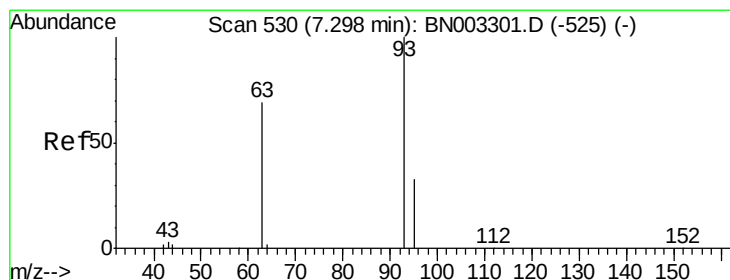
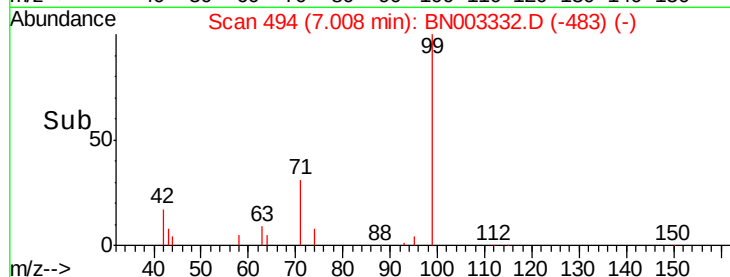
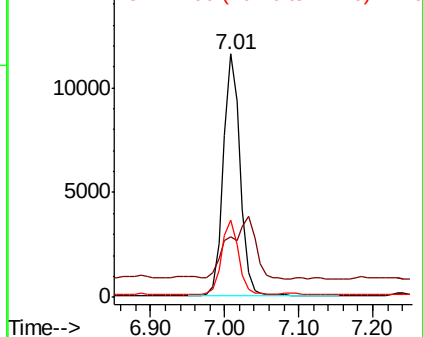
99 100

42 0.0 14.8 22.2#

71 31.0 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BN0  
Ion 42.00 (41.70 to 42.70): BN0  
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.291 ng

RT: 7.29 min Scan# 529

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

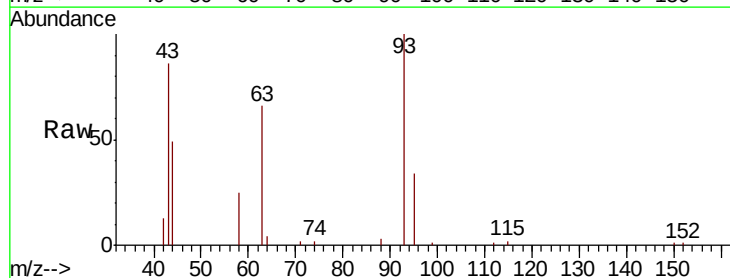
Tgt Ion: 93 Resp: 12252

Ion Ratio Lower Upper

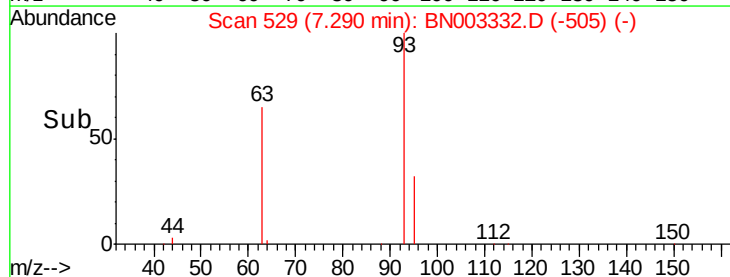
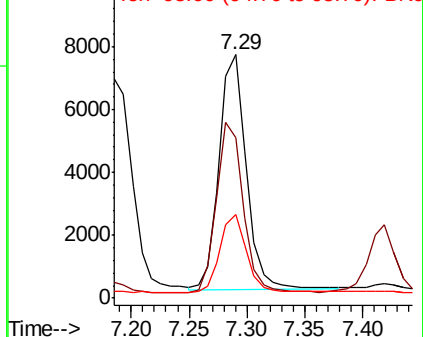
93 100

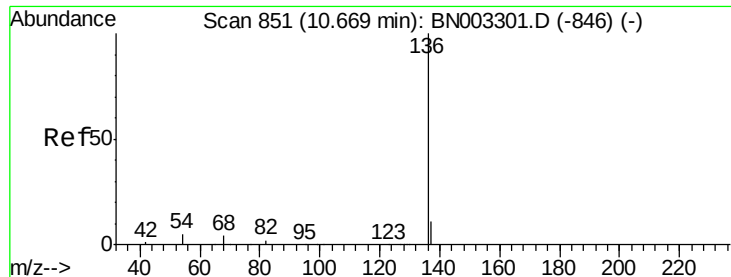
63 71.3 55.8 83.6

95 32.4 25.4 38.2



Abundance Ion 93.00 (92.70 to 93.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0  
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

Tgt Ion:136 Resp: 65949

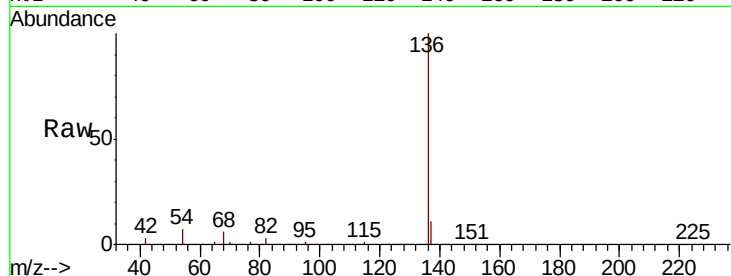
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.4 4.1 6.1#

68 6.1 3.5 5.3#

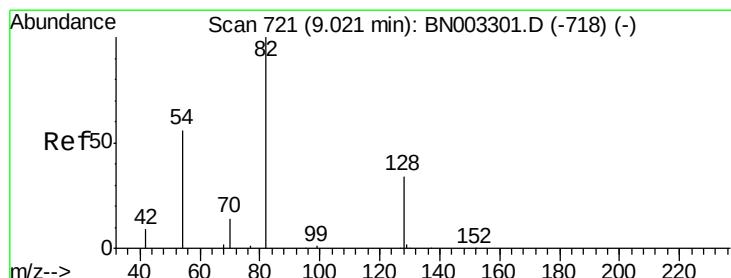
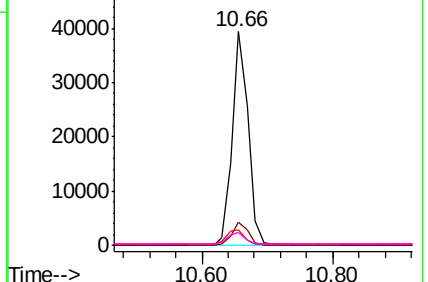
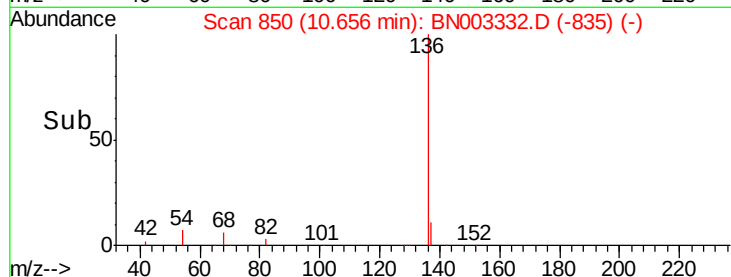


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.413 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

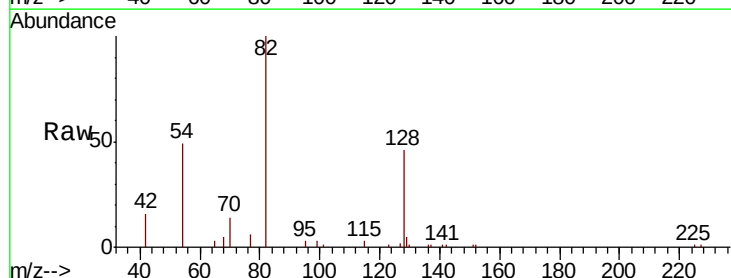
Tgt Ion: 82 Resp: 11925

Ion Ratio Lower Upper

82 100

128 46.3 28.9 43.3#

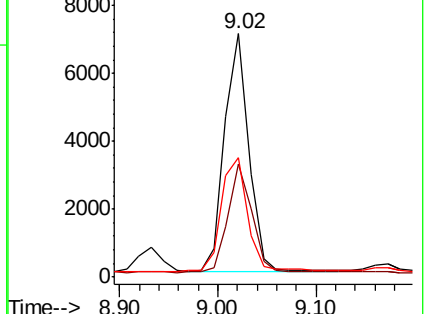
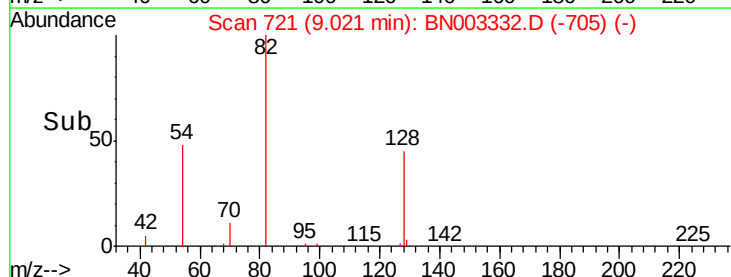
54 49.2 46.1 69.1

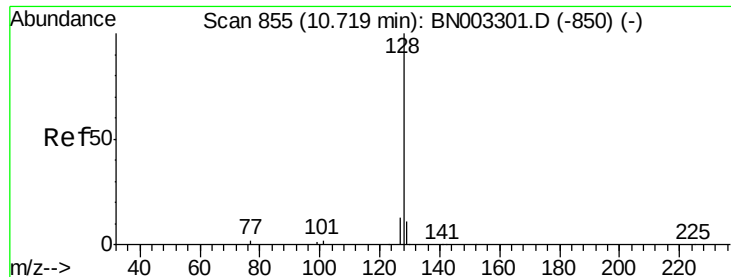


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.298 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

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ClientSampleId :

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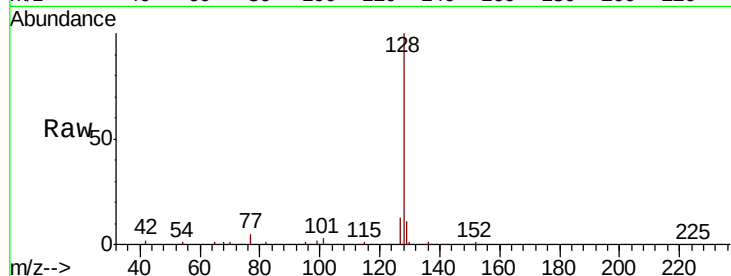
Tgt Ion:128 Resp: 48089

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 13.1 10.2 15.4

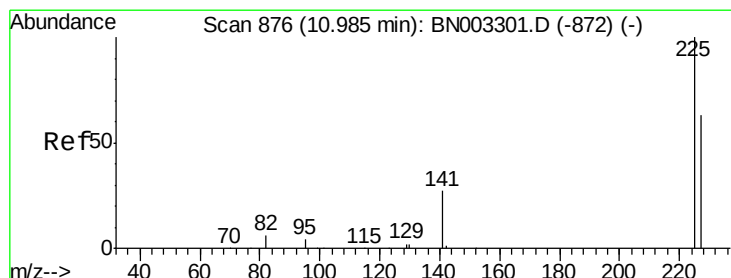
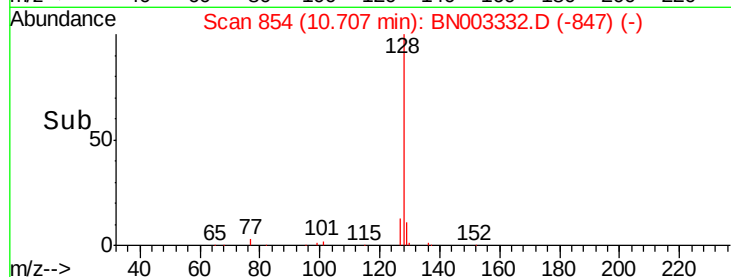
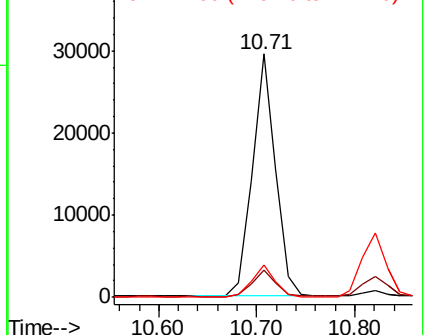


Abundance

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: 0.238 ng

RT: 10.99 min Scan# 876

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

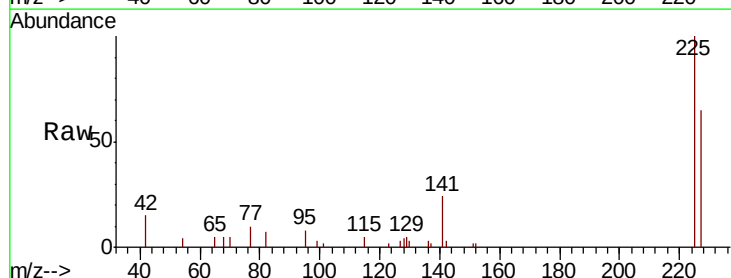
Tgt Ion:225 Resp: 7013

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.2 51.3 76.9

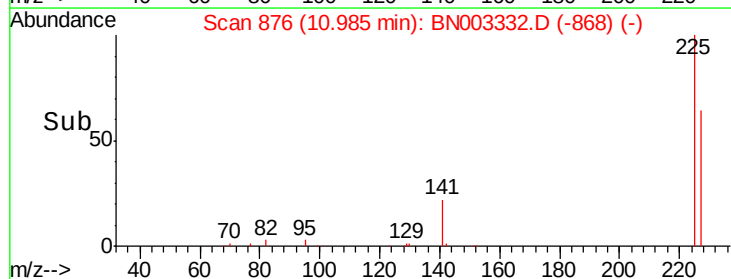
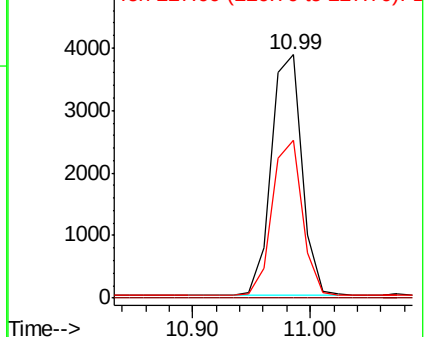


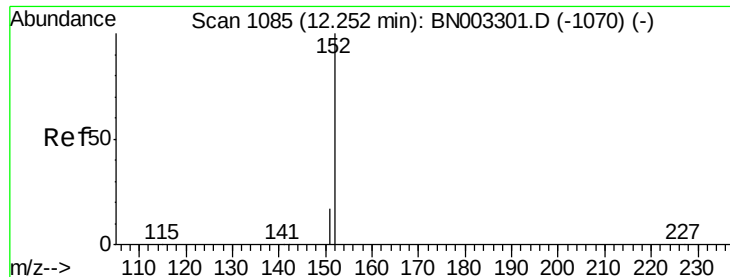
Abundance

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

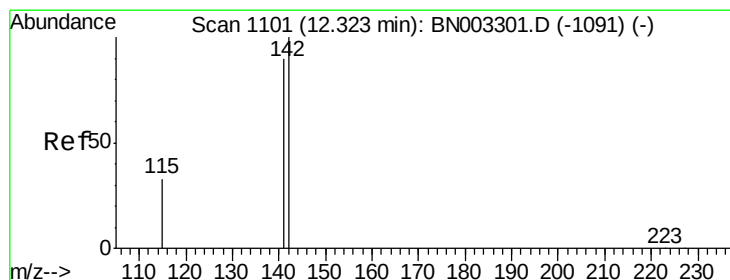
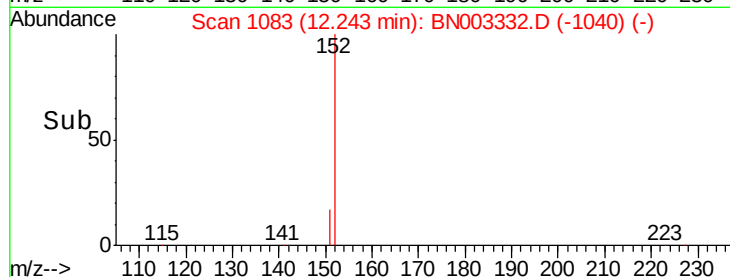
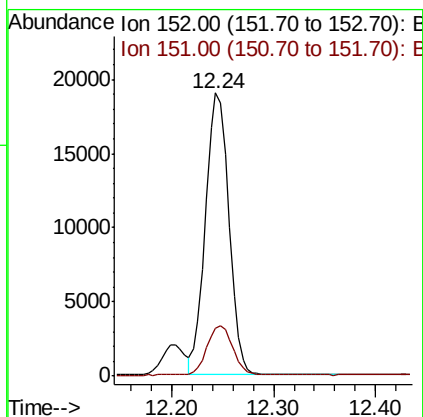
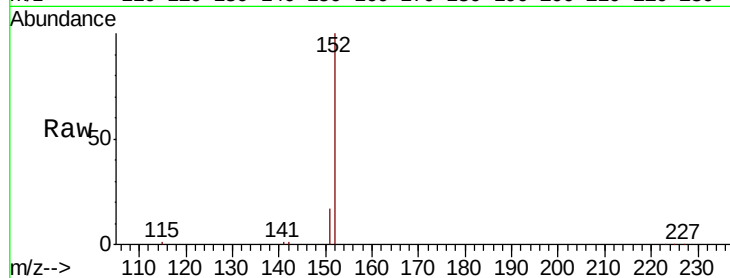




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.281 ng  
 RT: 12.24 min Scan# 1083  
 Delta R.T. -0.01 min  
 Lab File: BN003332.D  
 Acq: 29 Oct 2018 12:21

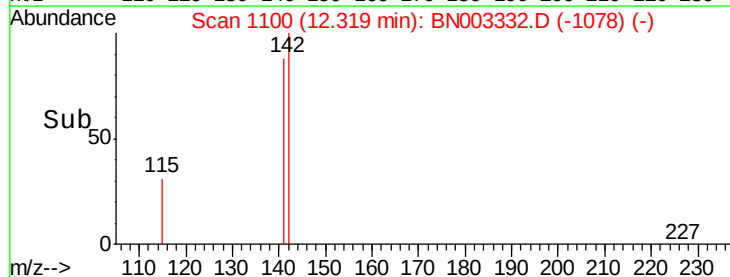
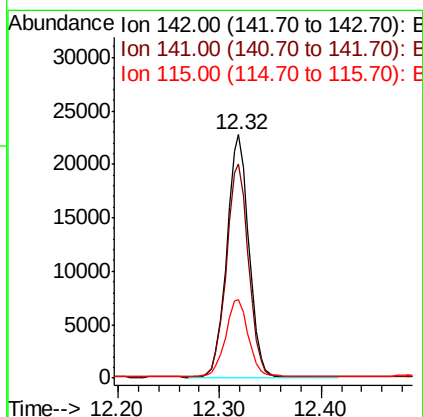
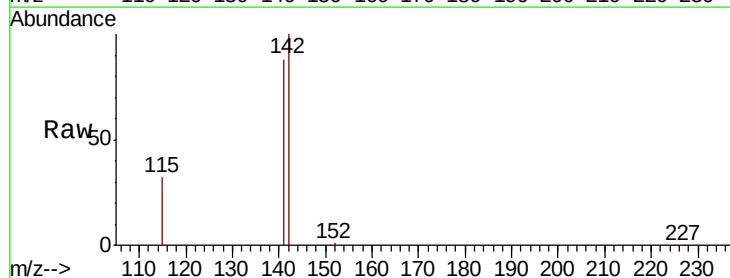
Instrument :  
 BNA\_N  
 ClientSampleId :  
 AOC6-01AMS

Tgt Ion:152 Resp: 30124  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.1 22.7

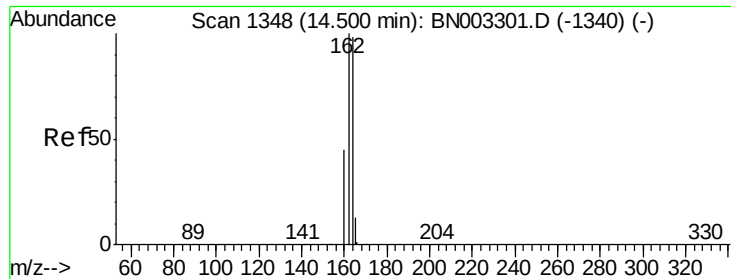


#12  
 2-Methylnaphthalene  
 Concen: 0.303 ng  
 RT: 12.32 min Scan# 1100  
 Delta R.T. -0.00 min  
 Lab File: BN003332.D  
 Acq: 29 Oct 2018 12:21

Tgt Ion:142 Resp: 34137  
 Ion Ratio Lower Upper  
 142 100  
 141 88.1 71.9 107.9  
 115 32.0 27.0 40.6







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

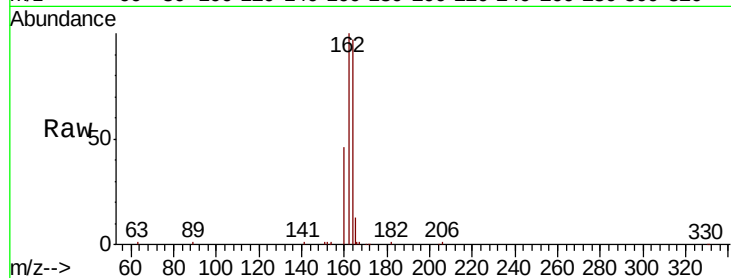
Tgt Ion:164 Resp: 38341

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

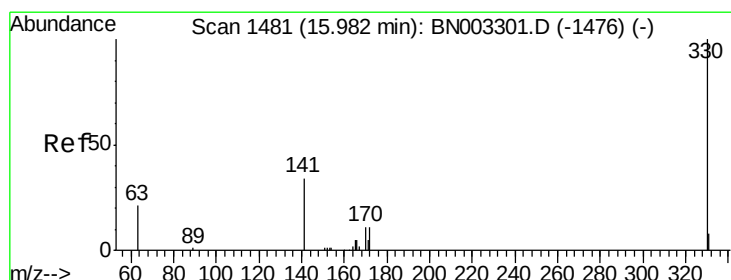
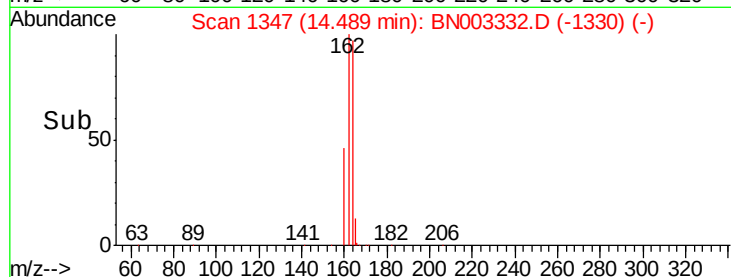
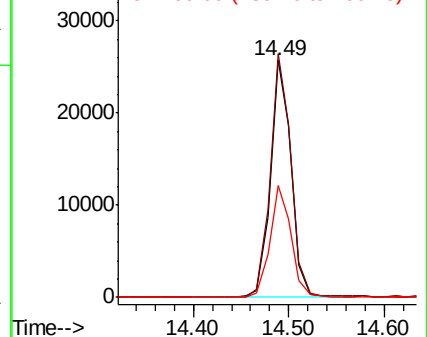
160 47.3 37.2 55.8



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: 0.323 ng

RT: 15.98 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

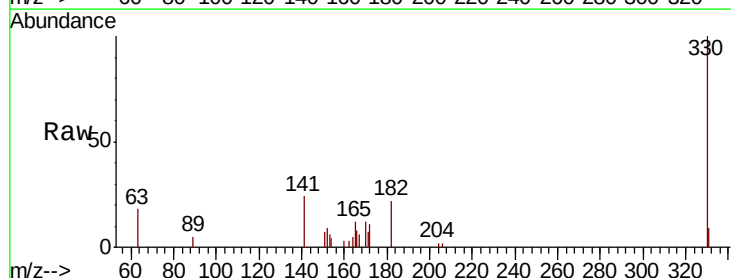
Tgt Ion:330 Resp: 4926

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

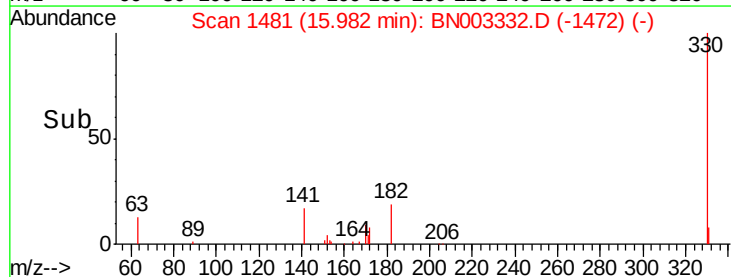
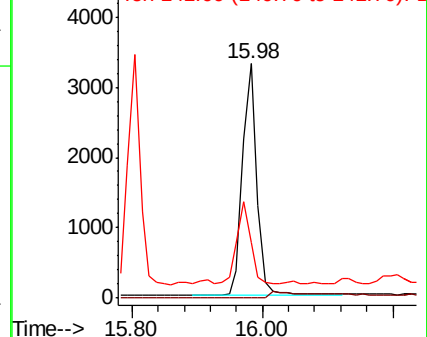
141 34.1 28.3 42.5

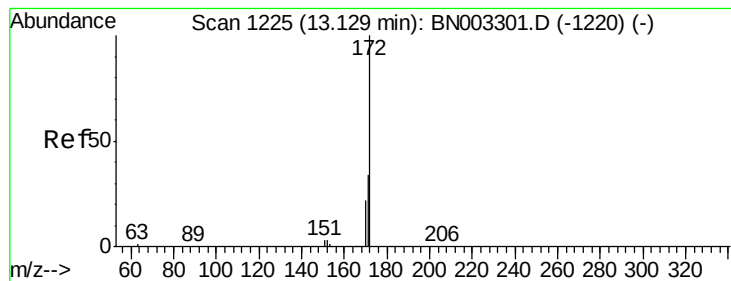


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.276 ng

RT: 13.12 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

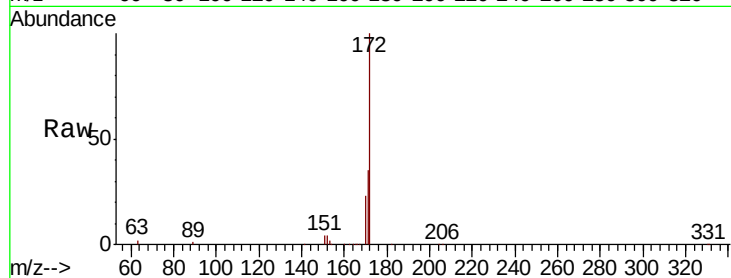
Tgt Ion:172 Resp: 45619

Ion Ratio Lower Upper

172 100

171 34.5 27.1 40.7

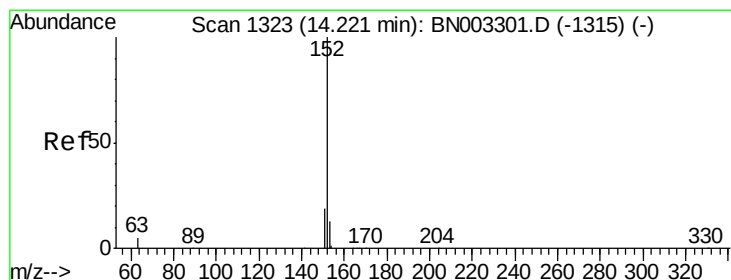
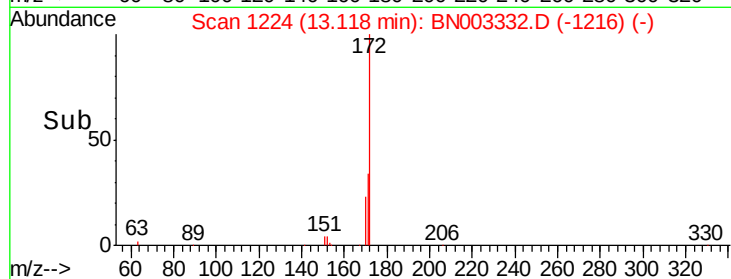
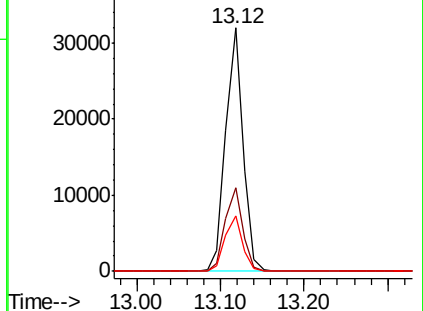
170 22.7 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.377 ng

RT: 14.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

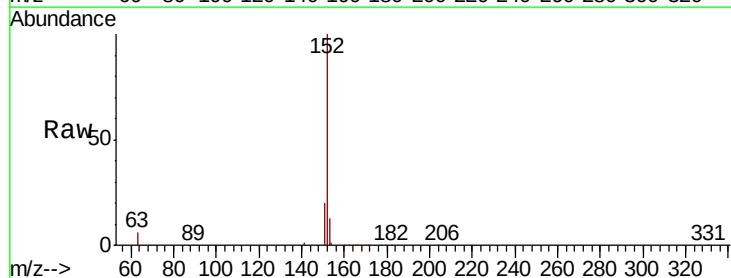
Tgt Ion:152 Resp: 64366

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

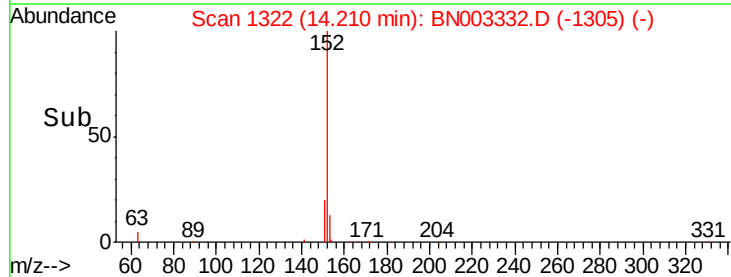
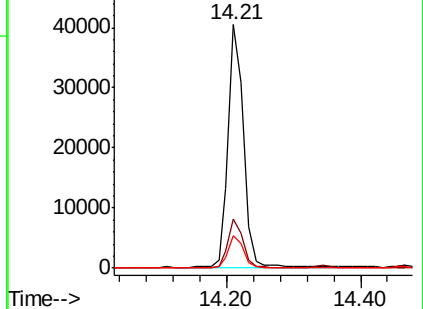
153 13.0 10.6 15.8

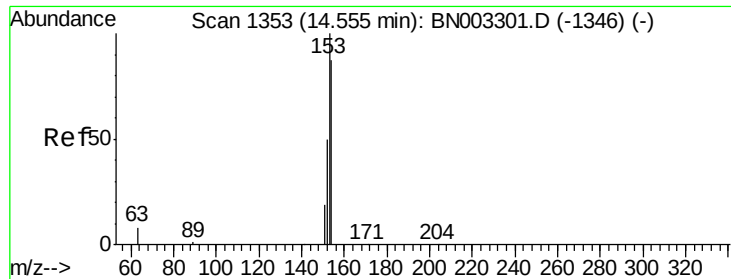


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.256 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

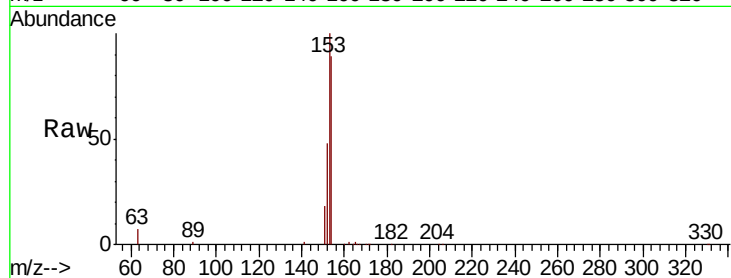
Tgt Ion:154 Resp: 30291

Ion Ratio Lower Upper

154 100

153 112.8 88.9 133.3

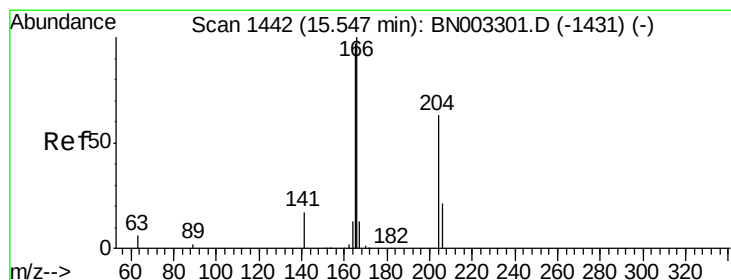
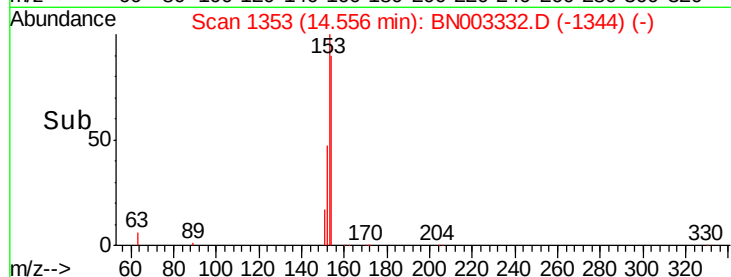
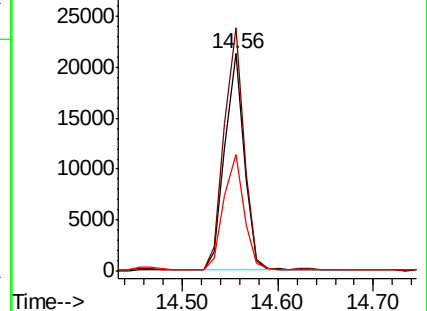
152 55.0 43.5 65.3



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: 0.282 ng

RT: 15.54 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

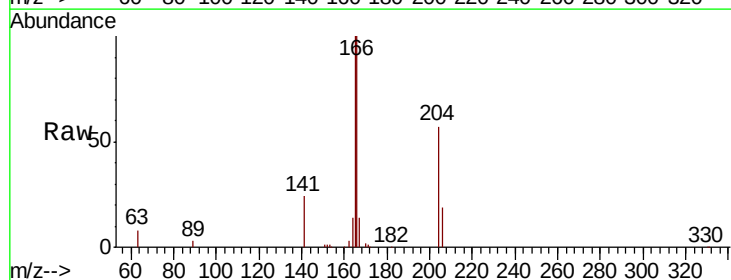
Tgt Ion:166 Resp: 41841

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.8

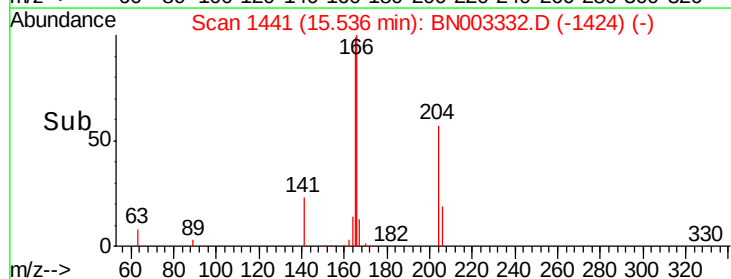
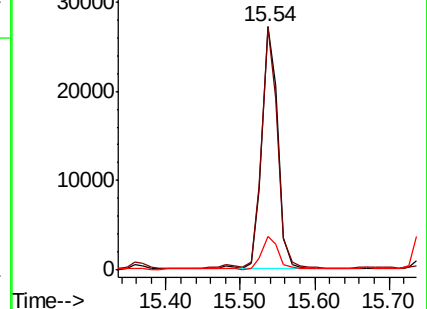
167 13.6 10.9 16.3

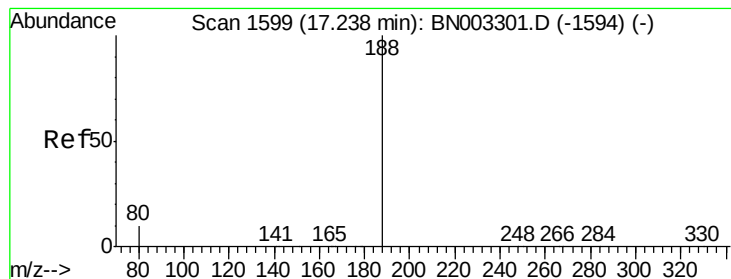


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

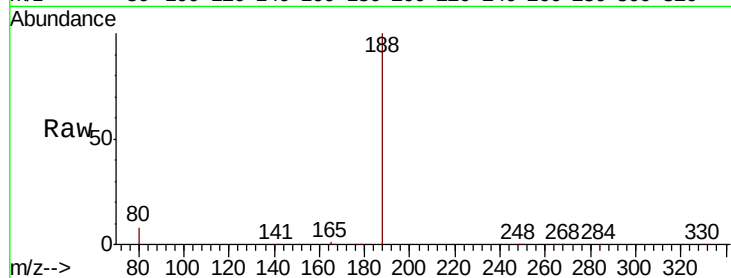
Tgt Ion:188 Resp: 87860

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

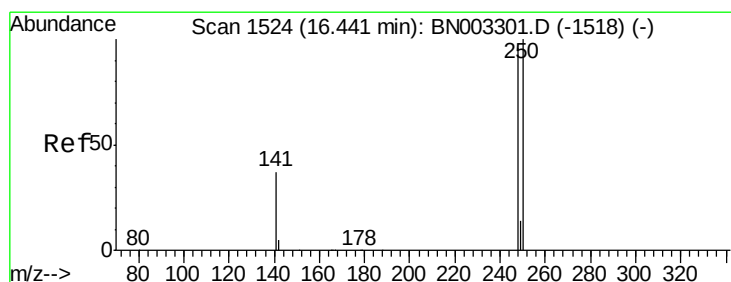
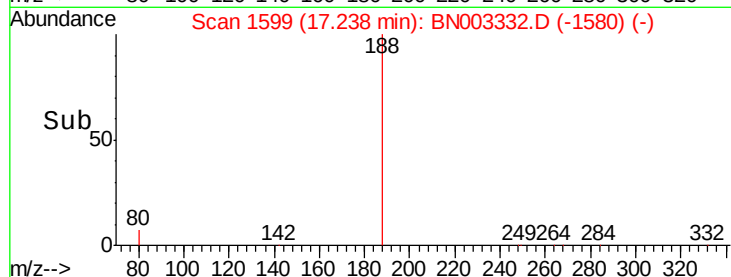
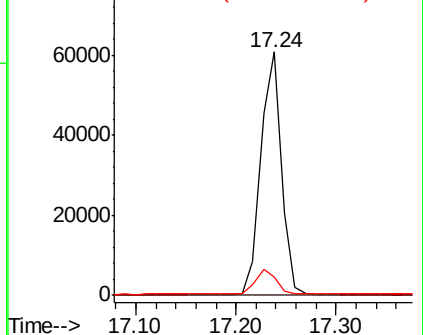
80 7.8 8.6 12.8#



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: 0.258 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

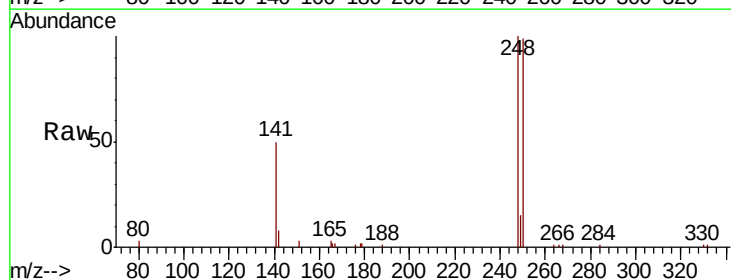
Tgt Ion:248 Resp: 13123

Ion Ratio Lower Upper

248 100

250 99.3 83.7 125.5

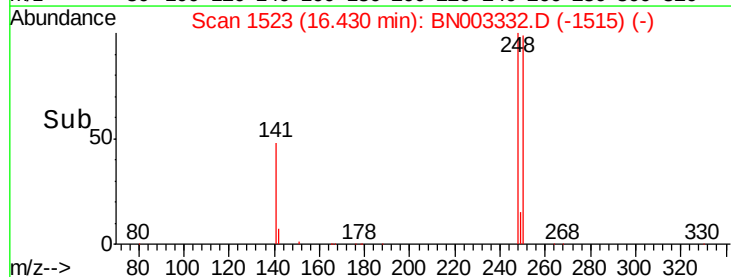
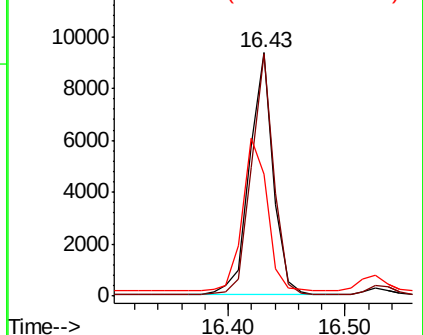
141 50.3 31.4 47.0#

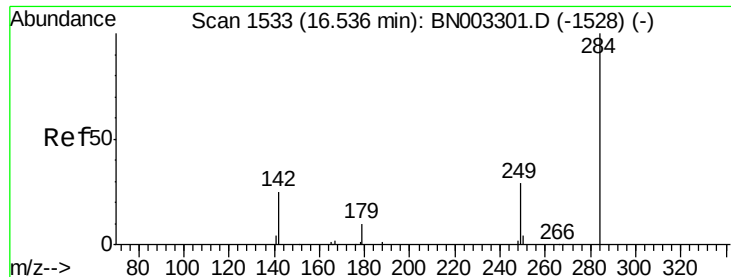


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

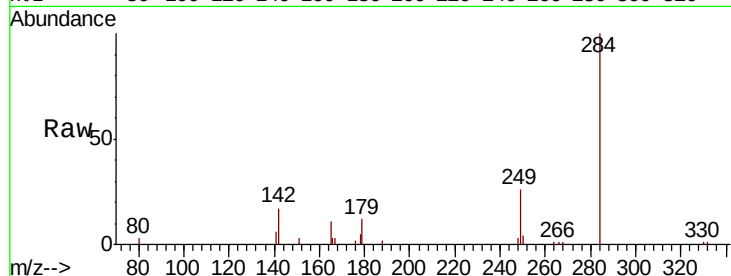




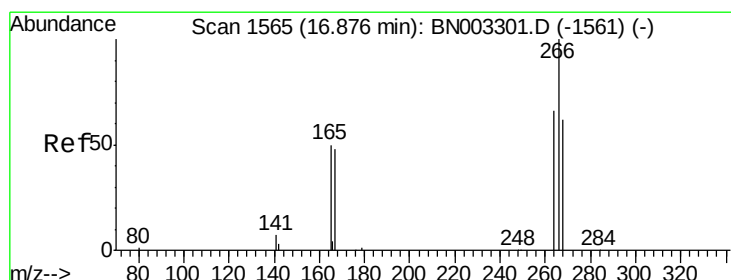
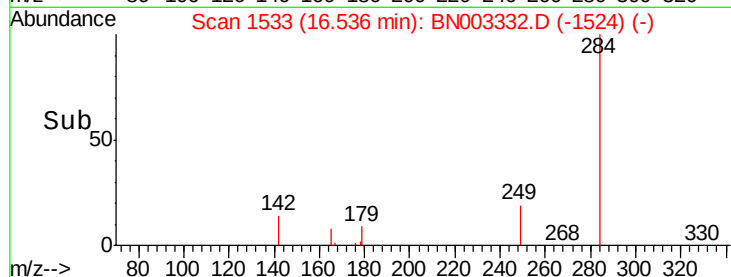
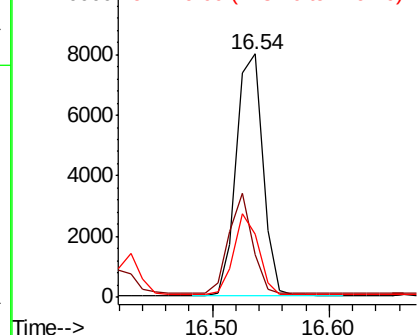
#21  
Hexachlorobenzene  
Concen: 0.231 ng  
RT: 16.54 min Scan# 1533  
Delta R.T. 0.00 min  
Lab File: BN003332.D  
Acq: 29 Oct 2018 12:21

Instrument :  
BNA\_N  
ClientSampleId :  
AOC6-01AMS

Tgt Ion:284 Resp: 12373  
Ion Ratio Lower Upper  
284 100  
142 36.4 29.7 44.5  
249 30.8 24.0 36.0

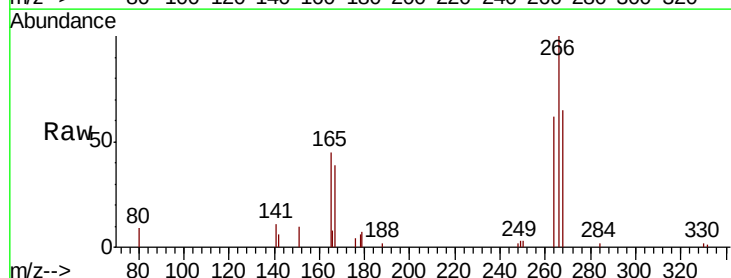


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

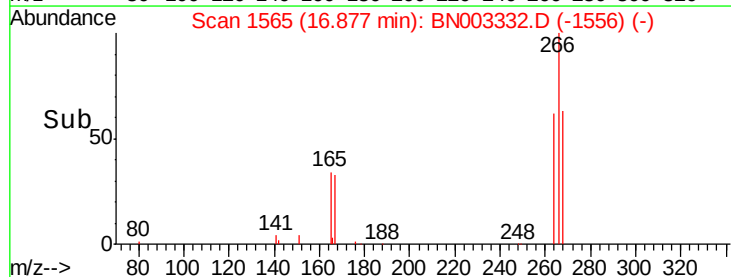
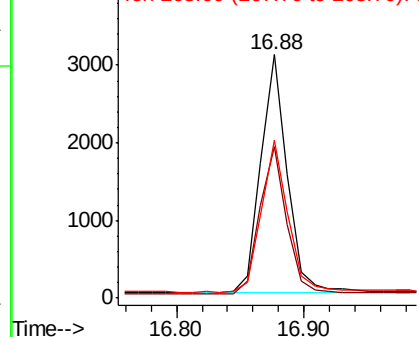


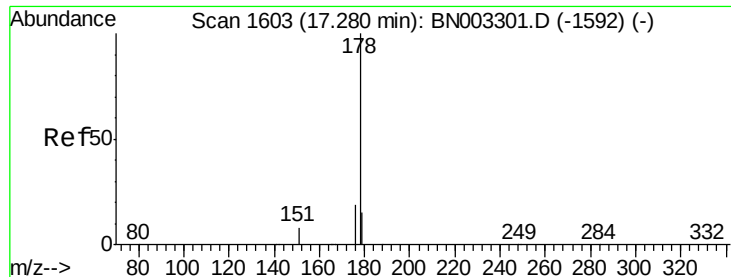
#22  
Pentachlorophenol  
Concen: 0.307 ng  
RT: 16.88 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: BN003332.D  
Acq: 29 Oct 2018 12:21

Tgt Ion:266 Resp: 4458  
Ion Ratio Lower Upper  
266 100  
264 62.2 52.1 78.1  
268 64.6 51.8 77.6



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: 0.420 ng

RT: 17.28 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

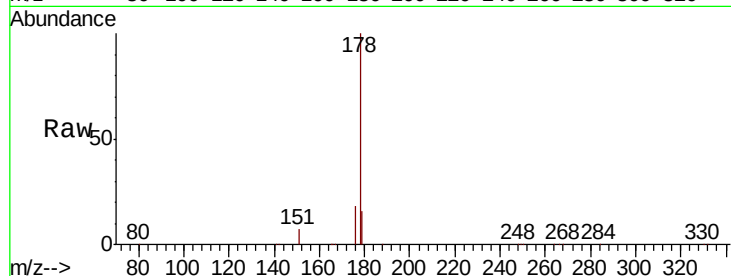
Tgt Ion:178 Resp: 101219

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

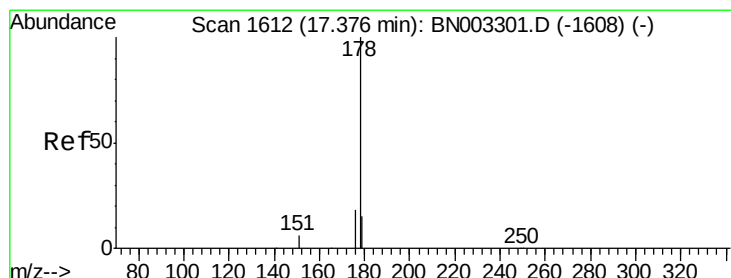
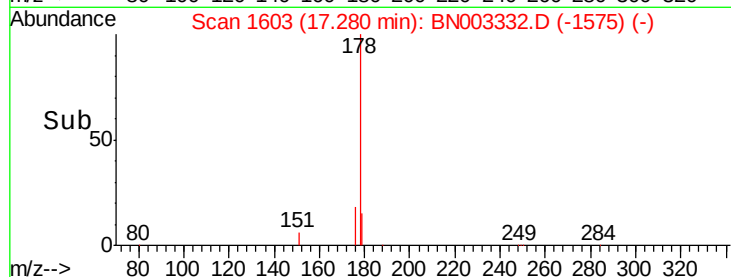
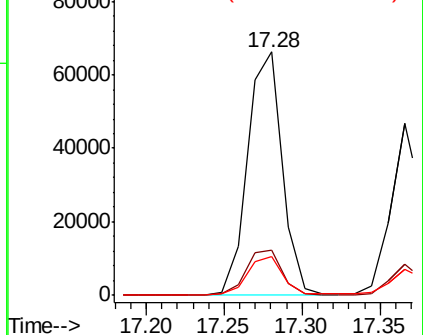
179 15.7 12.4 18.6



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: 0.325 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

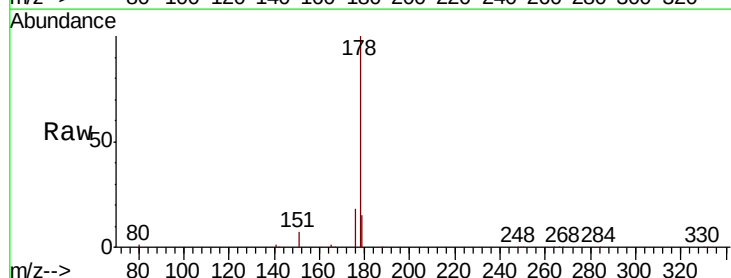
Tgt Ion:178 Resp: 67141

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

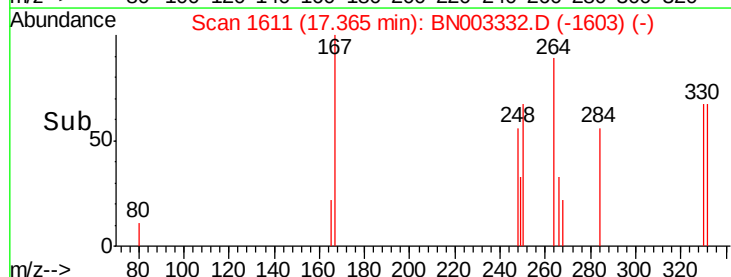
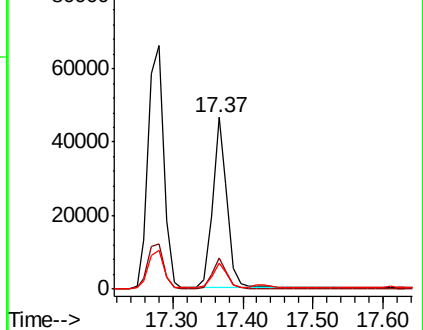
179 14.9 12.2 18.4

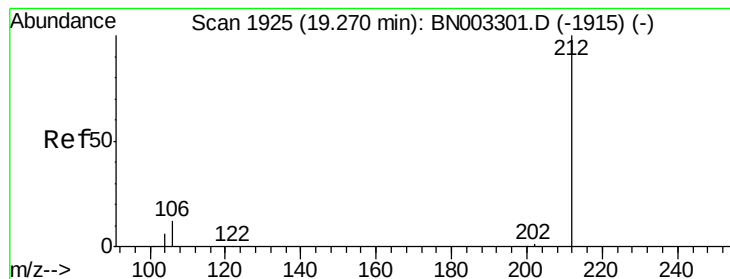


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

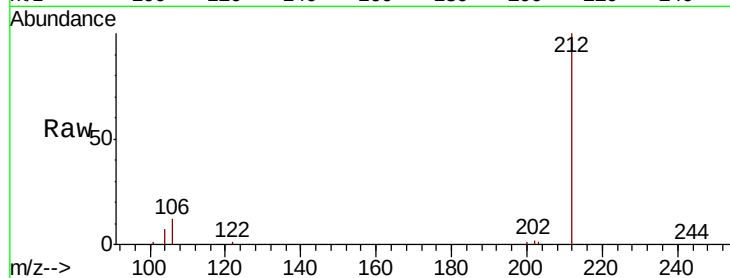
Tgt Ion:212 Resp: 66922

Ion Ratio Lower Upper

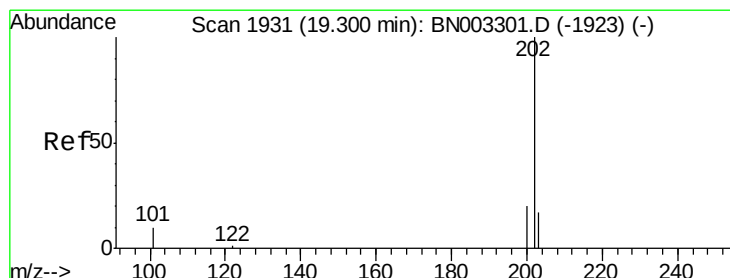
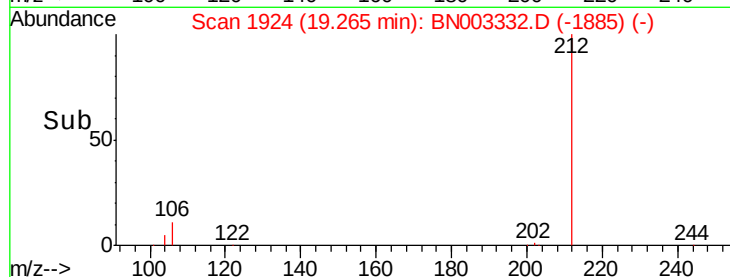
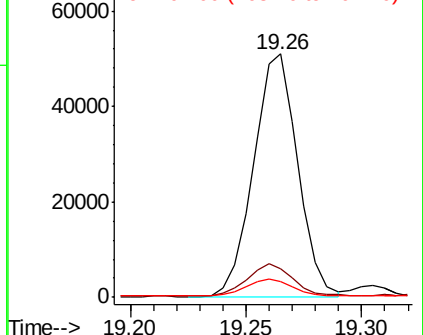
212 100

106 13.1 10.3 15.5

104 7.5 5.6 8.4



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: 0.706 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

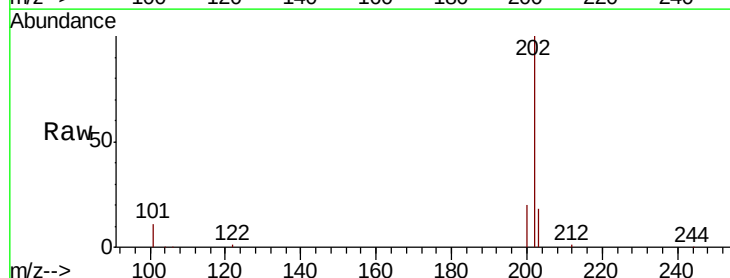
Tgt Ion:202 Resp: 195451

Ion Ratio Lower Upper

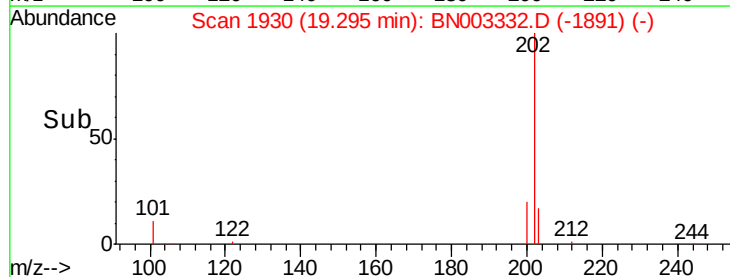
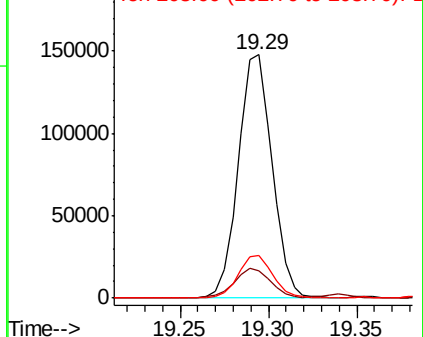
202 100

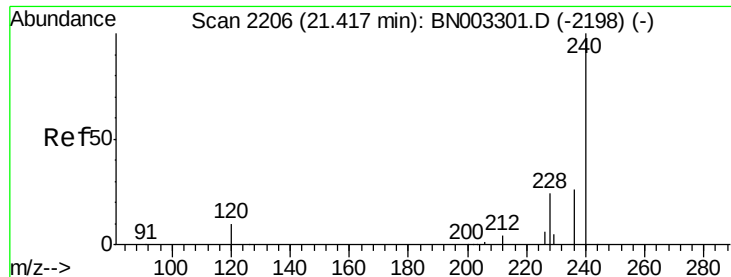
101 12.9 9.0 13.4

203 17.4 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: 21.42 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

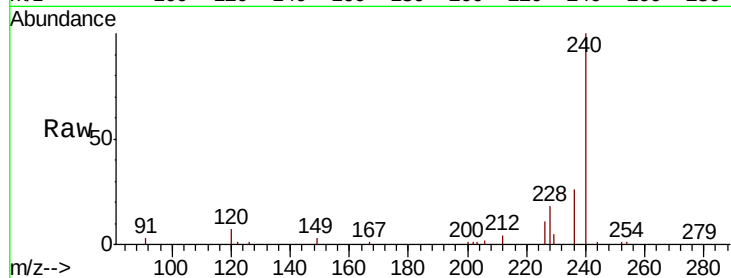
Tgt Ion:240 Resp: 99004

Ion Ratio Lower Upper

240 100

120 7.3 9.3 13.9#

236 25.8 21.0 31.4

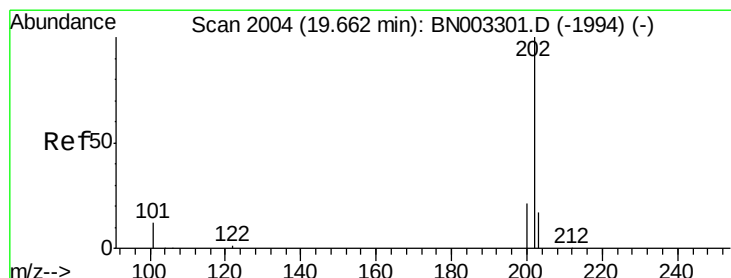
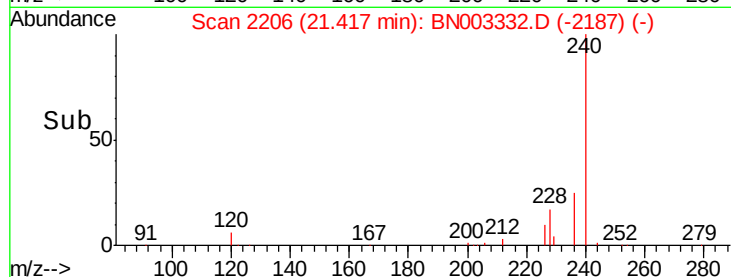
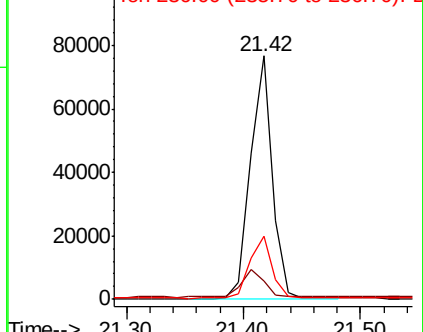


Abundance

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: 0.692 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

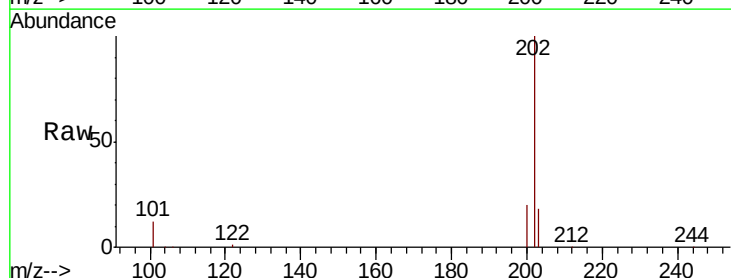
Tgt Ion:202 Resp: 189519

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 18.6 13.9 20.9

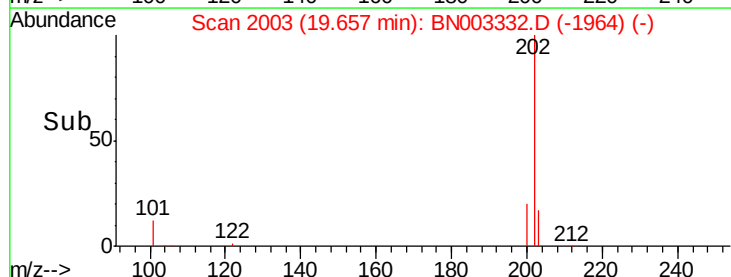
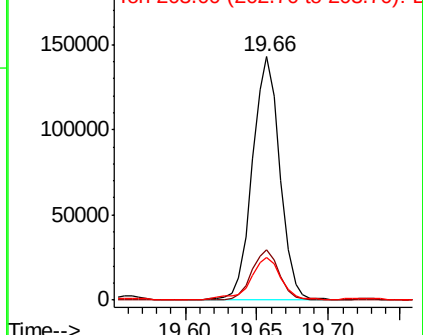


Abundance

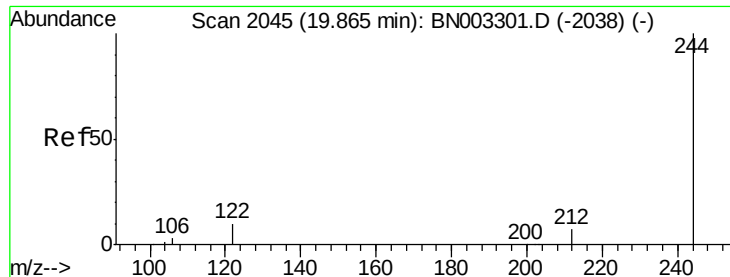
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.256 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

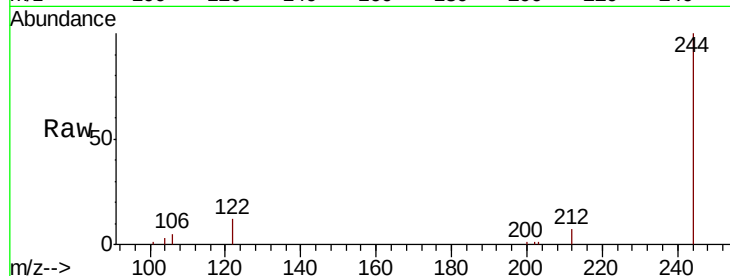
Tgt Ion:244 Resp: 58865

Ion Ratio Lower Upper

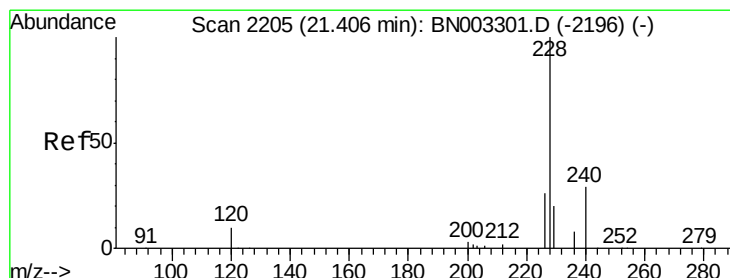
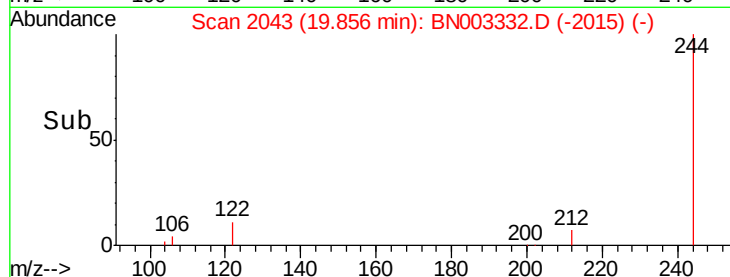
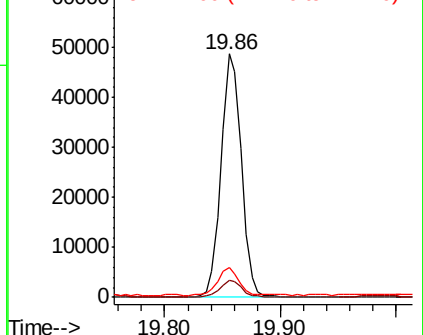
244 100

212 7.1 5.6 8.4

122 12.3 8.5 12.7



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: 0.534 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

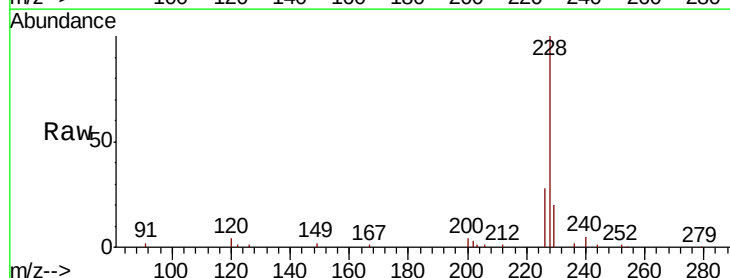
Tgt Ion:228 Resp: 138564

Ion Ratio Lower Upper

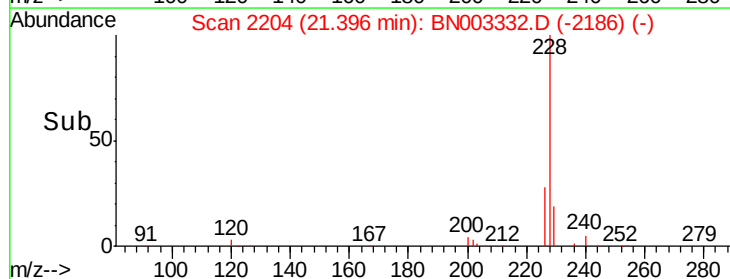
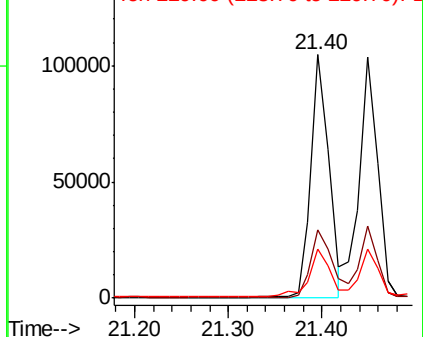
228 100

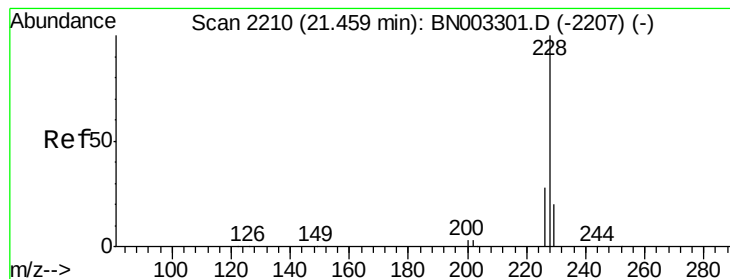
226 28.2 20.8 31.2

229 20.2 16.1 24.1



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: 0.504 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

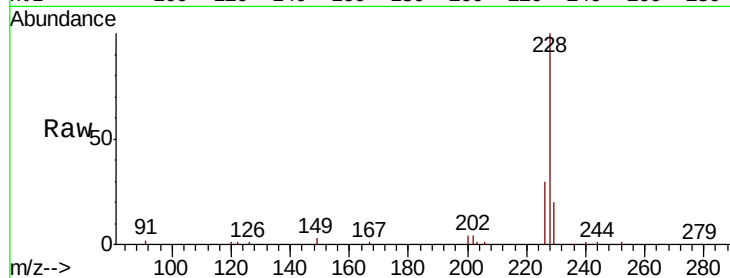
Tgt Ion:228 Resp: 141154

Ion Ratio Lower Upper

228 100

226 30.1 22.7 34.1

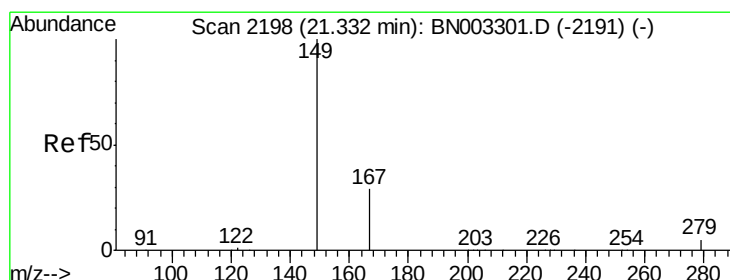
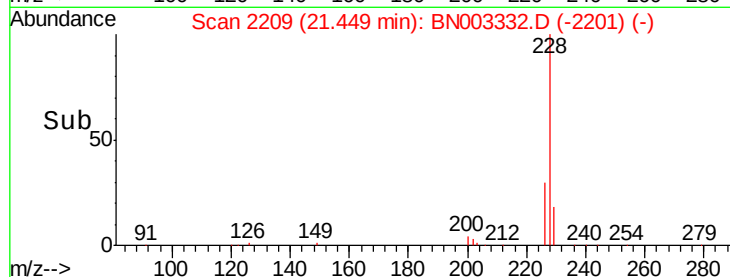
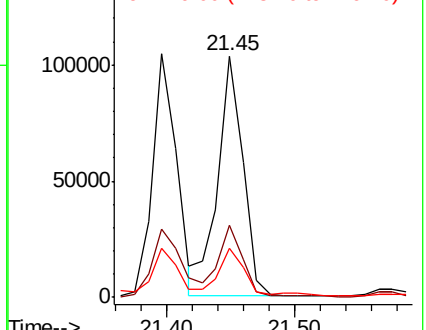
229 20.5 16.0 24.0



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: 0.995 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

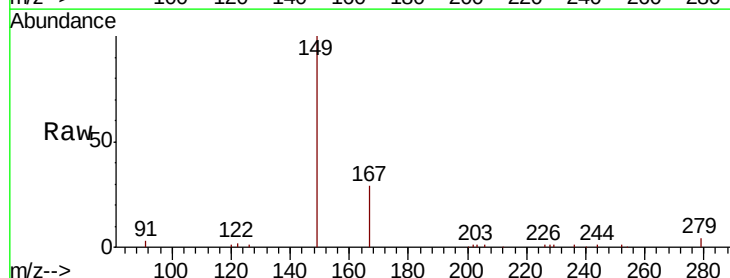
Tgt Ion:149 Resp: 76398

Ion Ratio Lower Upper

149 100

167 28.2 22.4 33.6

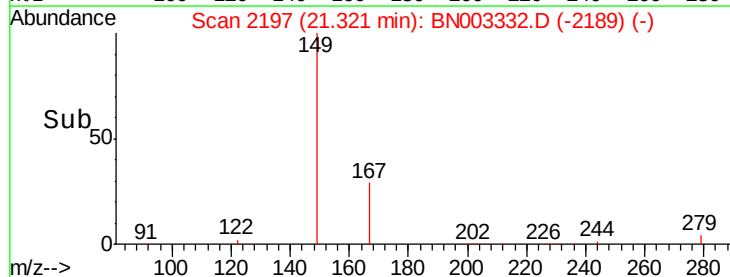
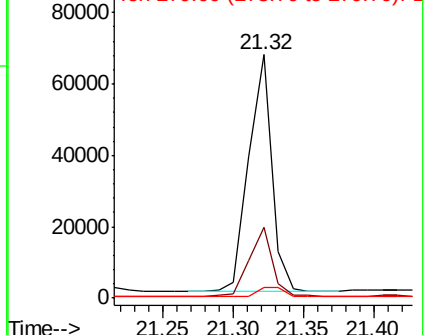
279 5.0 3.9 5.9

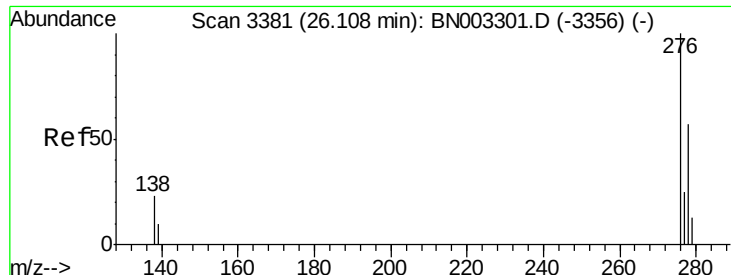


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.393 ng

RT: 26.10 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

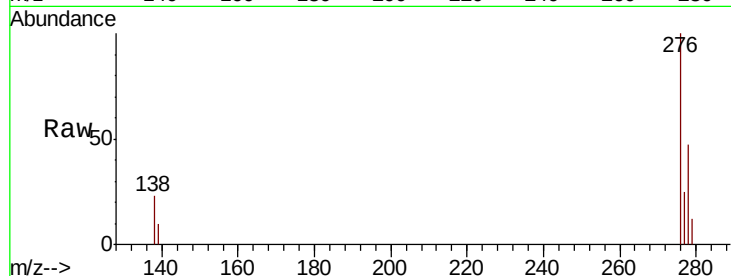
Tgt Ion:276 Resp: 113841

Ion Ratio Lower Upper

276 100

138 23.3 20.6 30.8

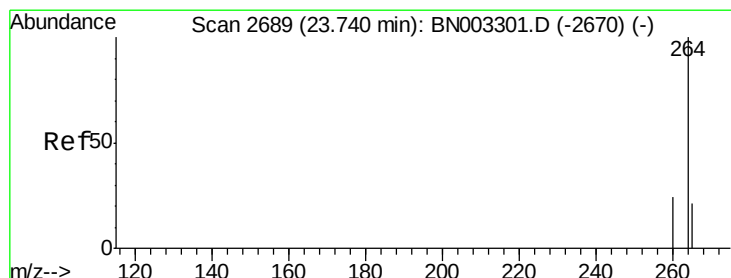
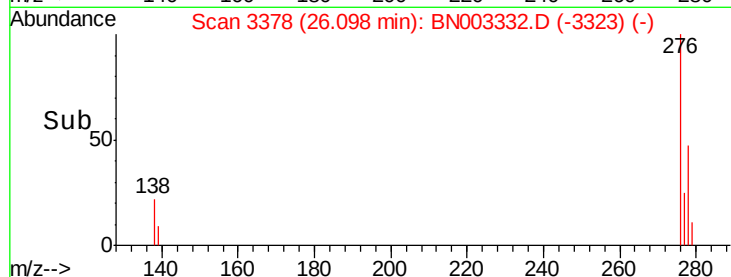
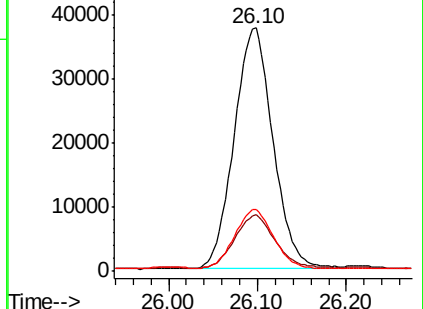
277 24.5 20.0 30.0



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: 23.74 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

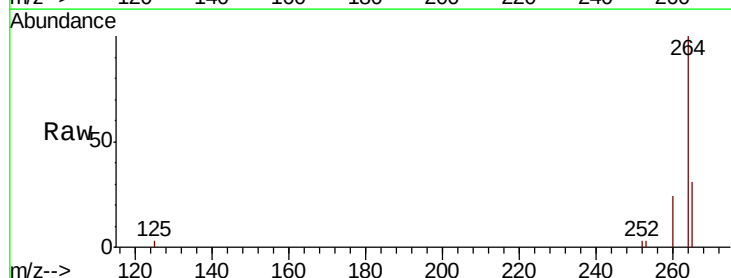
Tgt Ion:264 Resp: 93291

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

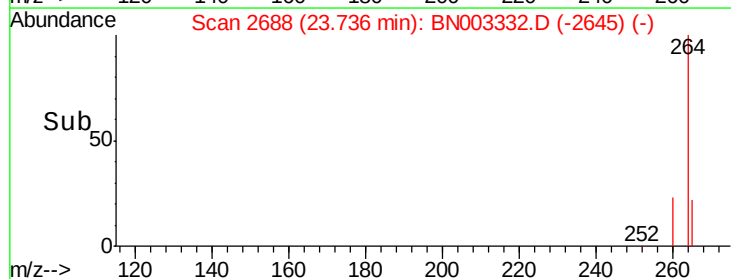
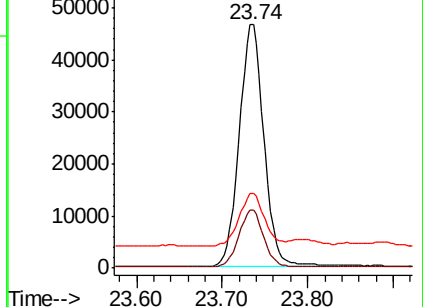
265 30.7 26.4 39.6

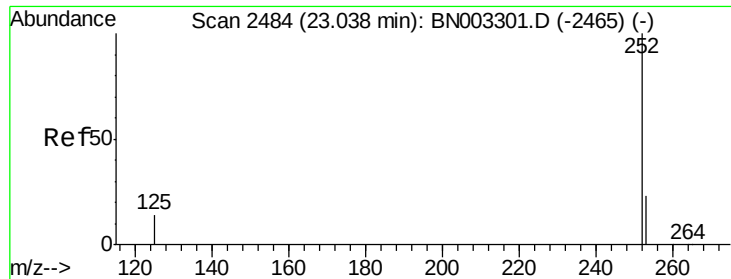


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.375 ng

RT: 23.08 min Scan# 2495

Delta R.T. 0.04 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

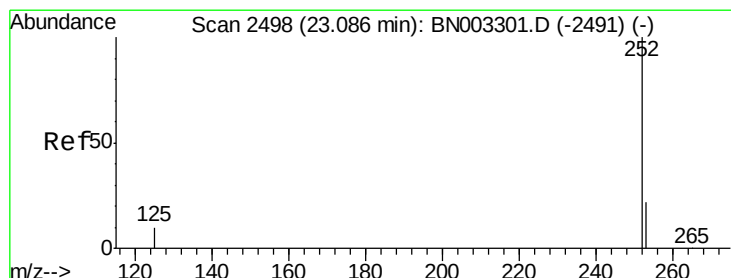
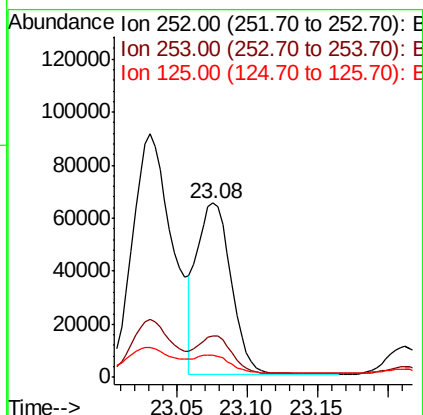
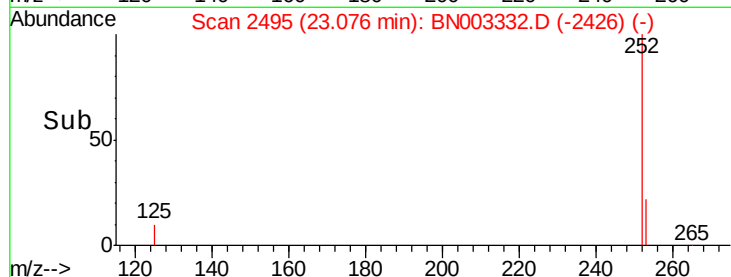
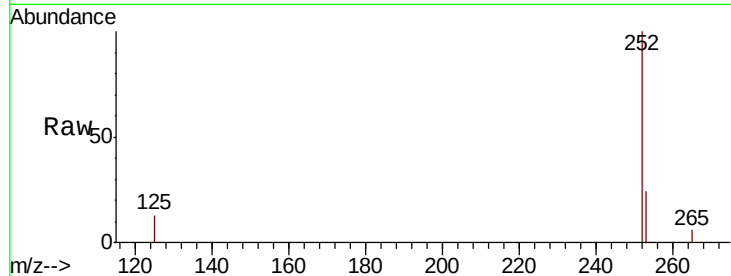
Tgt Ion:252 Resp: 109034

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

125 12.8 12.7 19.1



#36

Benzo(k)fluoranthene

Concen: 0.384 ng

RT: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

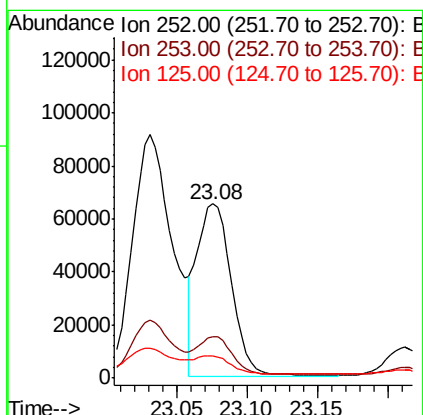
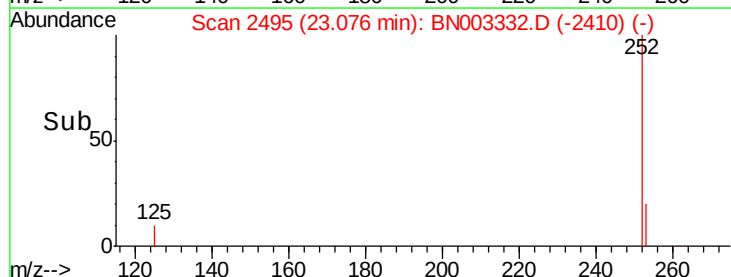
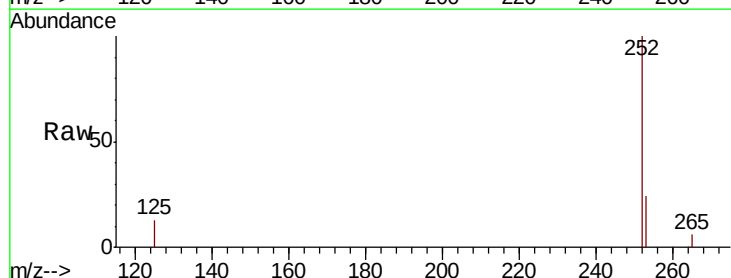
Tgt Ion:252 Resp: 110613

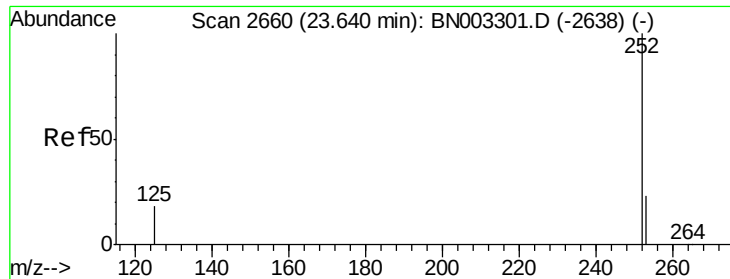
Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

125 12.8 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.206 ng

RT: 23.53 min Scan# 2628

Delta R.T. -0.11 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS

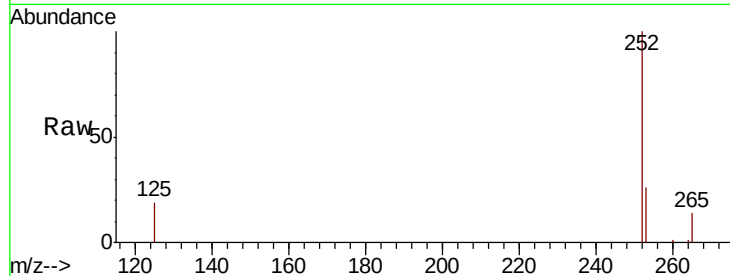
Tgt Ion:252 Resp: 54642

Ion Ratio Lower Upper

252 100

253 26.2 20.1 30.1

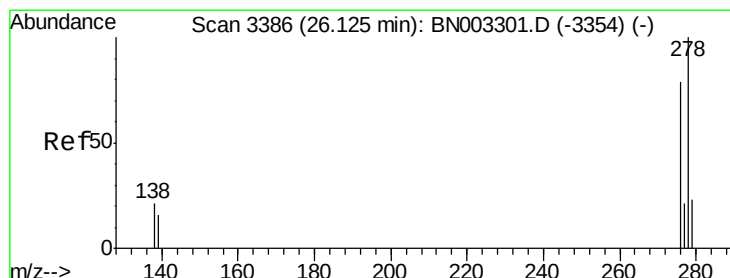
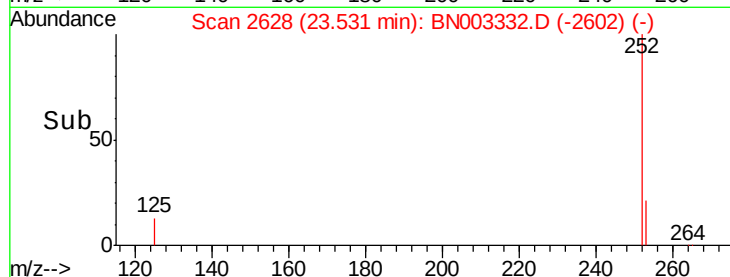
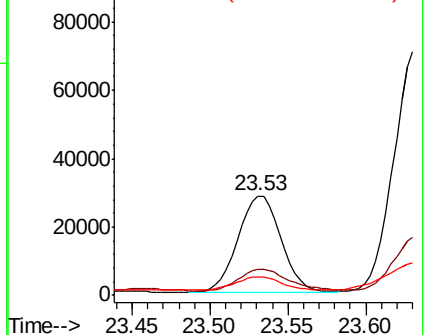
125 19.1 16.0 24.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.269 ng

RT: 26.11 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN003332.D

Acq: 29 Oct 2018 12:21

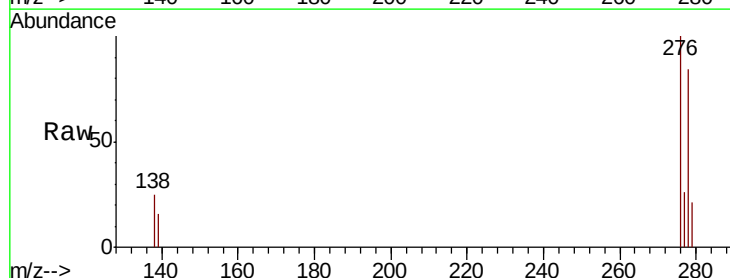
Tgt Ion:278 Resp: 66474

Ion Ratio Lower Upper

278 100

139 18.5 13.5 20.3

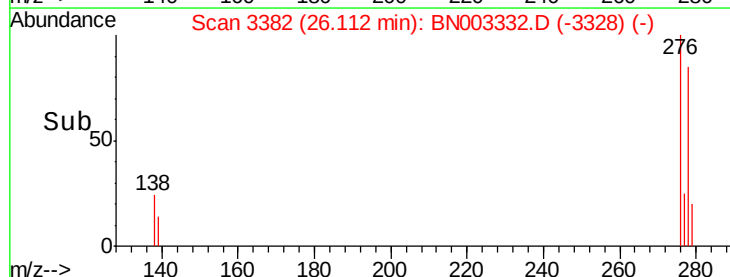
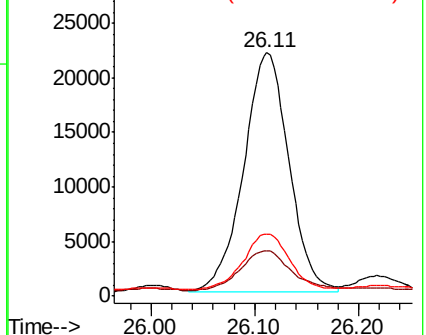
279 25.6 19.8 29.6

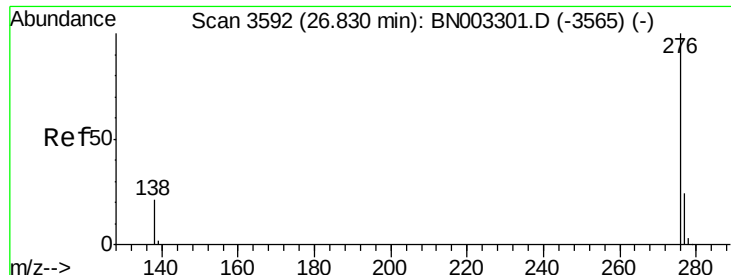


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.413 ng

RT: 26.82 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BN003332.D

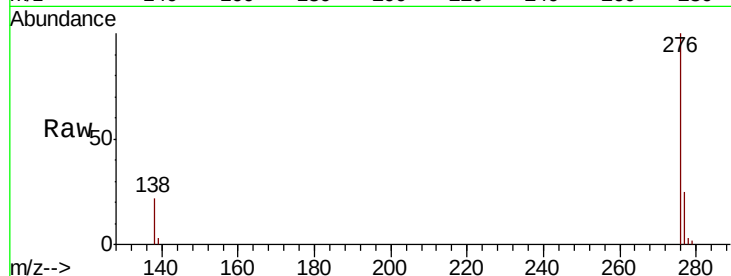
Acq: 29 Oct 2018 12:21

Instrument :

BNA\_N

ClientSampleId :

AOC6-01AMS



Tgt Ion: 276 Resp: 101955

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 21.6 17.4 26.2

