

Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN022818\  
 Data File : BN000200.D  
 Acq On : 28 Feb 2018 11:17  
 Operator : JU/SJ  
 Sample : MDL-W-04  
 Misc : 0.07PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-W-04

Quant Time: Feb 28 17:00:28 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 15:07:57 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.45  | 152  | 4501     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.29 | 136  | 17309    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.06 | 164  | 8601     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.78 | 188  | 21650    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.90 | 240  | 17402    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.38 | 264  | 14220    | 0.40 | ng    | 0.01     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.93  | 112 | 3283  | 0.35 | ng | 0.00  |
| 5) Phenol-d6                | 7.57  | 99  | 3994  | 0.33 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.61  | 82  | 3508  | 0.34 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.84 | 152 | 9740  | 0.37 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330 | 874   | 0.32 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.69 | 172 | 15220 | 0.37 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.77 | 212 | 20081 | 0.35 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.34 | 244 | 11964 | 0.39 | ng | 0.00  |

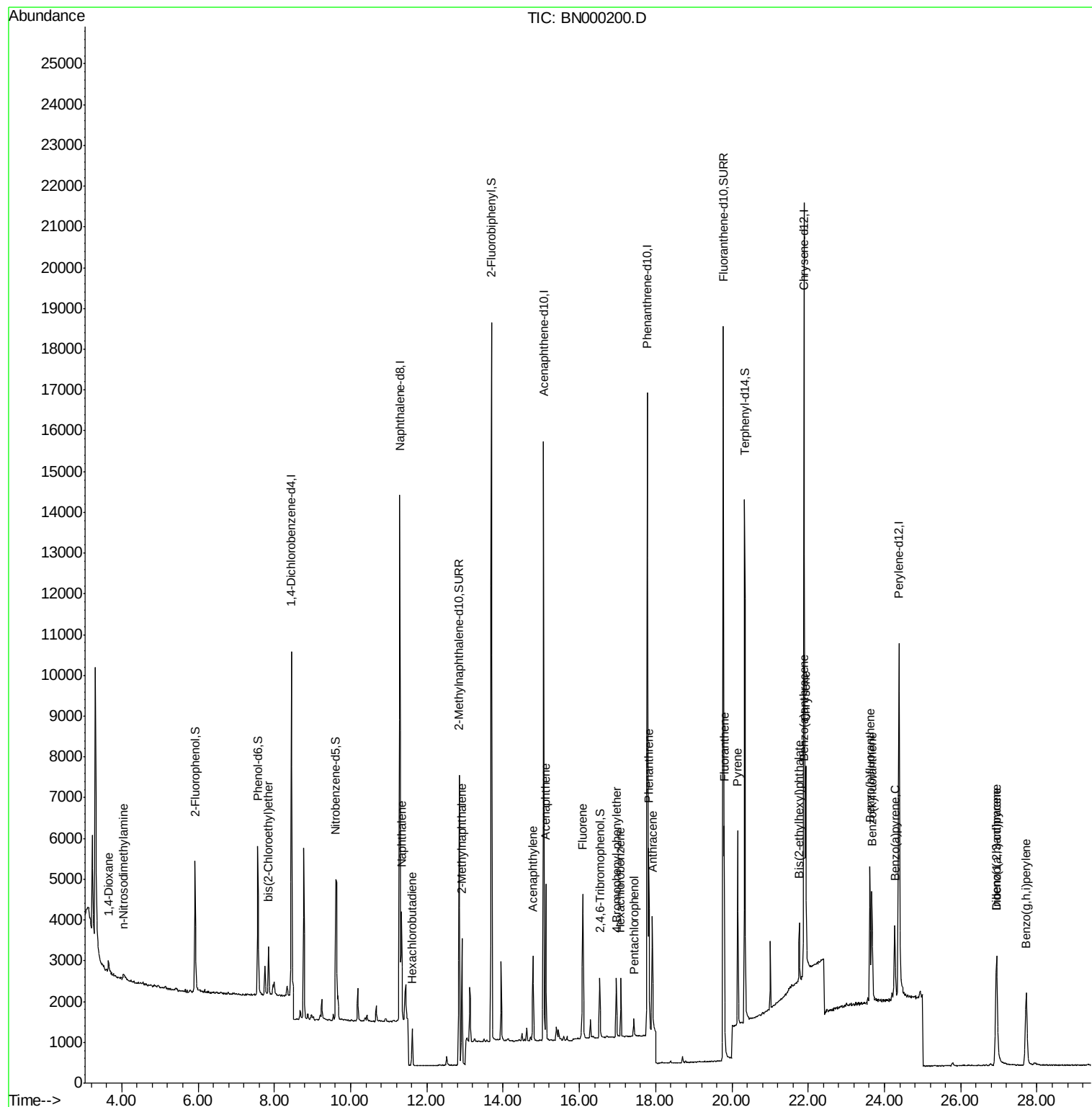
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.65  | 88  | 295  | 0.063  | ng | # 71 |
| 3) n-Nitrosodimethylamine      | 4.04  | 42  | 155  | 0.137  | ng | # 82 |
| 6) bis(2-Chloroethyl)ether     | 7.84  | 93  | 1044 | 0.068  | ng | 97   |
| 9) Naphthalene                 | 11.34 | 128 | 3493 | 0.069  | ng | # 92 |
| 10) Hexachlorobutadiene        | 11.62 | 225 | 572  | 0.067  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.92 | 142 | 2155 | 0.065  | ng | 98   |
| 16) Acenaphthylene             | 14.78 | 152 | 2346 | 0.058  | ng | 99   |
| 17) Acenaphthene               | 15.12 | 154 | 2032 | 0.064  | ng | 95   |
| 18) Fluorene                   | 16.09 | 166 | 2594 | 0.065  | ng | # 81 |
| 20) 4-Bromophenyl-phenylether  | 16.97 | 248 | 695  | 0.056  | ng | # 77 |
| 21) Hexachlorobenzene          | 17.09 | 284 | 995  | 0.060  | ng | 94   |
| 22) Pentachlorophenol          | 17.43 | 266 | 255  | 0.144  | ng | # 79 |
| 23) Phenanthrene               | 17.82 | 178 | 4783 | 0.063  | ng | 97   |
| 24) Anthracene                 | 17.91 | 178 | 3237 | 0.056  | ng | 96   |
| 26) Fluoranthene               | 19.80 | 202 | 4798 | 0.061  | ng | # 95 |
| 28) Pyrene                     | 20.15 | 202 | 4806 | 0.070  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.87 | 228 | 3412 | 0.062  | ng | 99   |
| 31) Chrysene                   | 21.94 | 228 | 4425 | 0.069  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 1457 | 0.071  | ng | # 98 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.93 | 276 | 3730 | 0.062  | ng | # 89 |
| 35) Benzo(b)fluoranthene       | 23.62 | 252 | 4369 | 0.067  | ng | # 84 |
| 36) Benzo(k)fluoranthene       | 23.67 | 252 | 3922 | 0.062  | ng | # 61 |
| 37) Benzo(a)pyrene             | 24.27 | 252 | 3089 | 0.058  | ng | # 50 |
| 38) Dibenzo(a,h)anthracene     | 26.94 | 278 | 2771 | 0.059  | ng | # 71 |
| 39) Benzo(g,h,i)perylene       | 27.72 | 276 | 3801 | 0.068  | ng | # 77 |

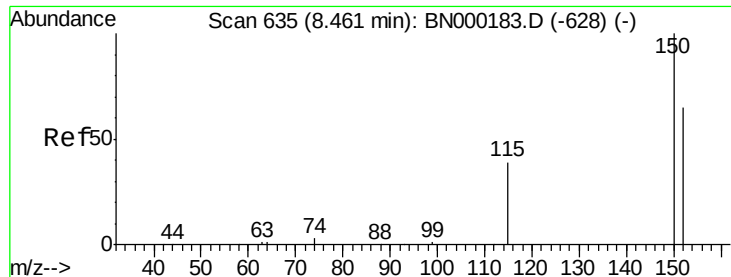
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.45 min Scan# 634

Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampled :

MDL-W-04

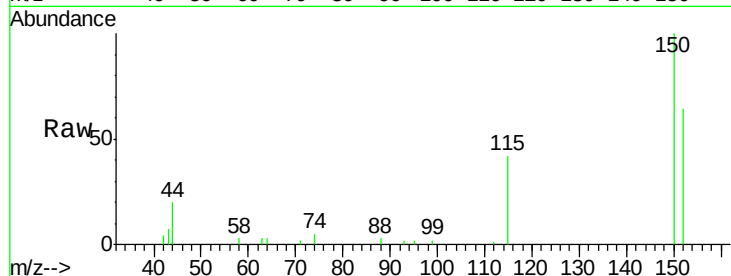
Tgt Ion:152 Resp: 4501

Ion Ratio Lower Upper

152 100

150 155.2 117.2 175.8

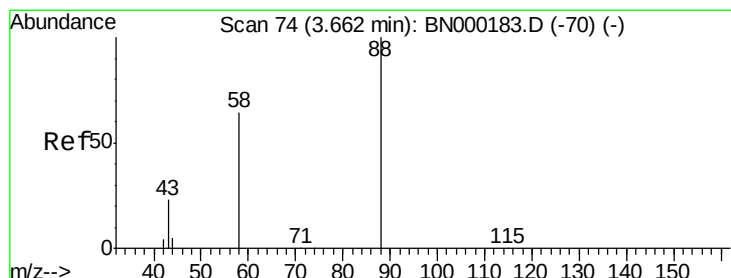
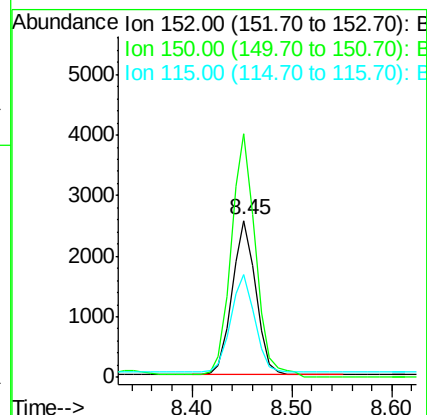
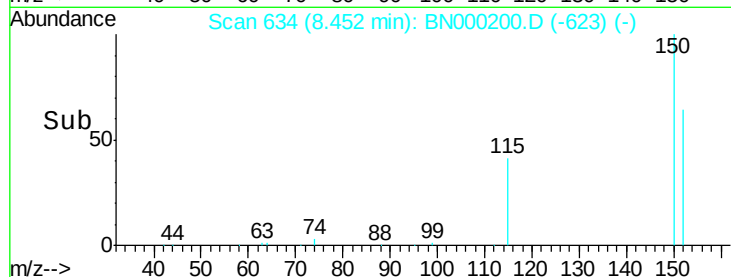
115 65.8 57.0 85.6



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: 0.063 ng

RT: 3.65 min Scan# 73

Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

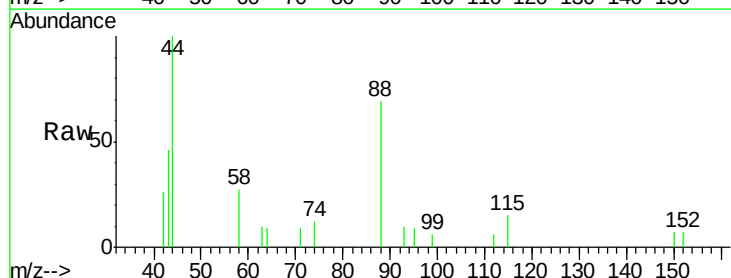
Tgt Ion: 88 Resp: 295

Ion Ratio Lower Upper

88 100

58 75.3 48.0 72.0#

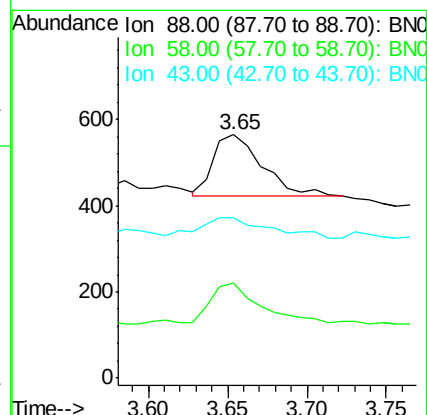
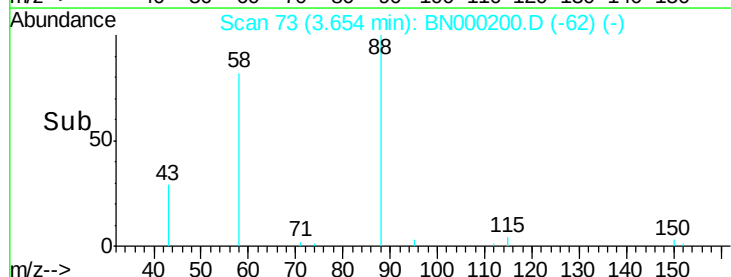
43 49.8 20.0 30.0#

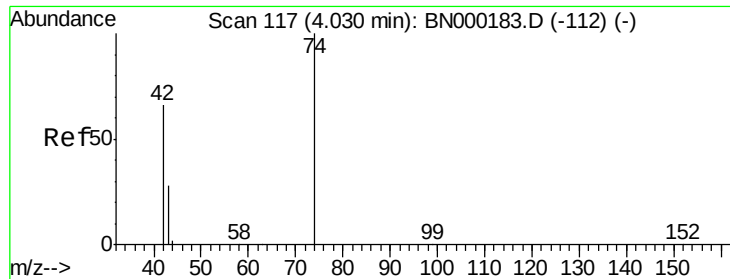


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.137 ng

RT: 4.04 min Scan# 118

Delta R.T. 0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

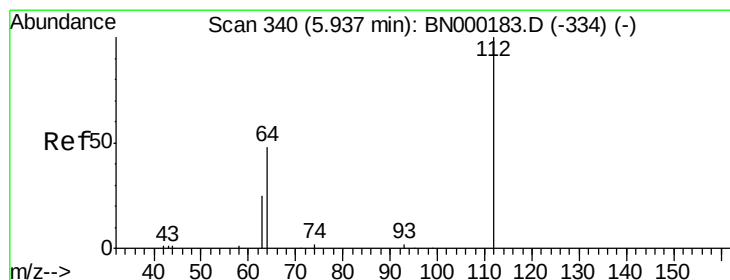
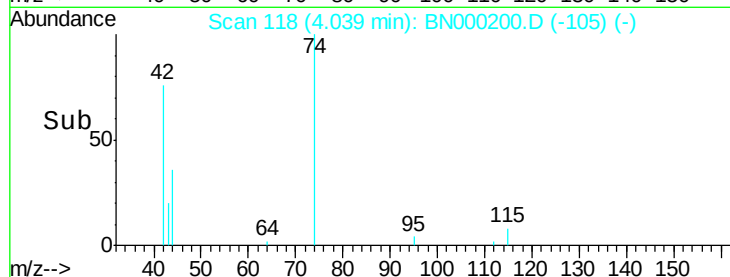
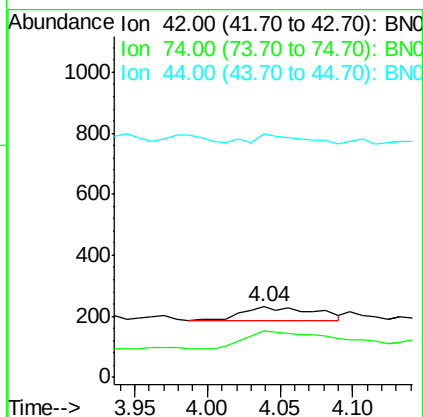
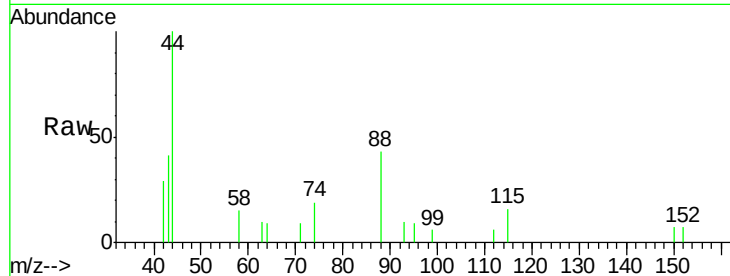
Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 155   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 131.6 | 120.0 | 180.0 |
| 44       | 45.2  | 4.0   | 6.0#  |



#4

2-Fluorophenol

Concen: 0.345 ng

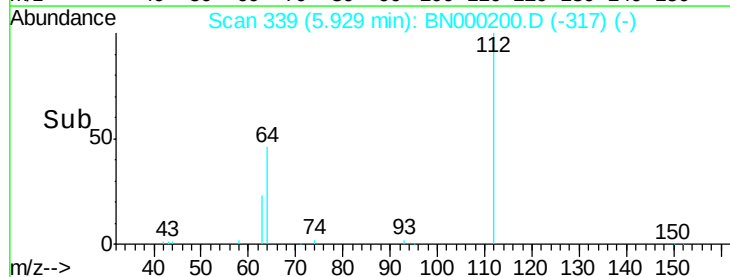
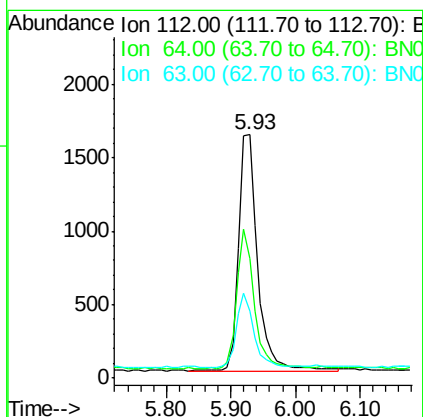
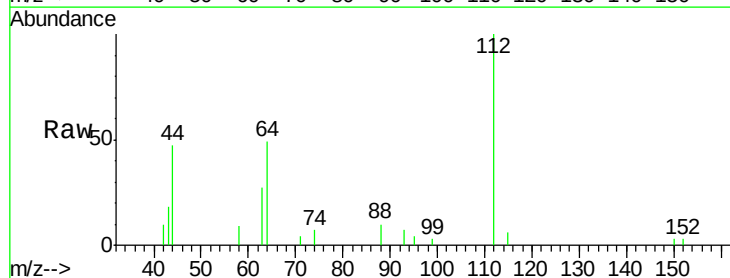
RT: 5.93 min Scan# 339

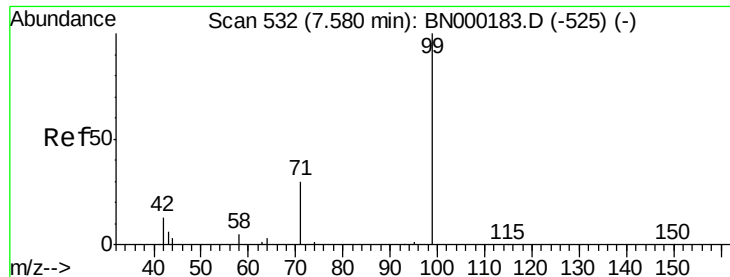
Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 3283   |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 54.4  | 60.1  | 90.1#  |
| 63       | 28.0  | 116.8 | 175.2# |





#5

Phenol-d6

Concen: 0.331 ng

RT: 7.57 min Scan# 531

Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

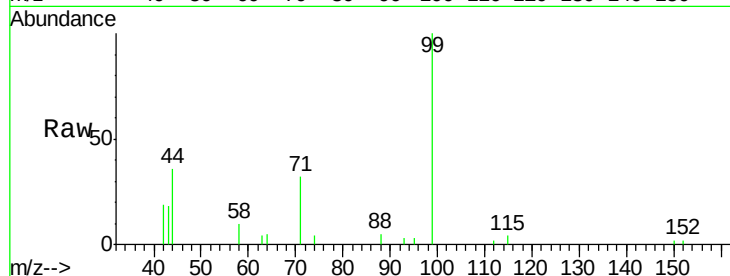
Tgt Ion: 99 Resp: 3994

Ion Ratio Lower Upper

99 100

42 16.0 20.2 30.2#

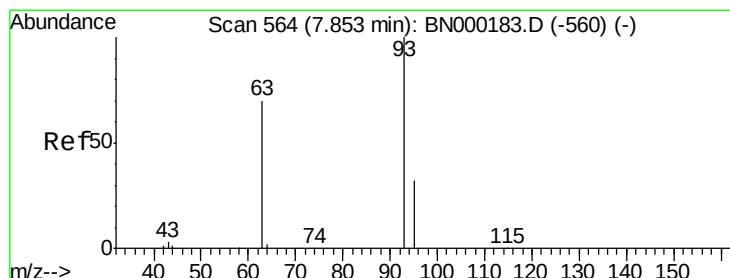
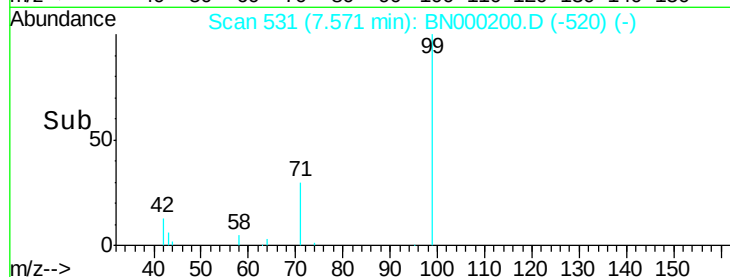
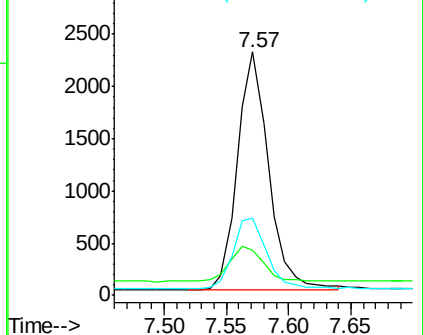
71 31.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BN000200.D (-520) (-)

Ion 42.00 (41.70 to 42.70): BN000200.D (-520) (-)

Ion 71.00 (70.70 to 71.70): BN000200.D (-520) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.068 ng

RT: 7.84 min Scan# 563

Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

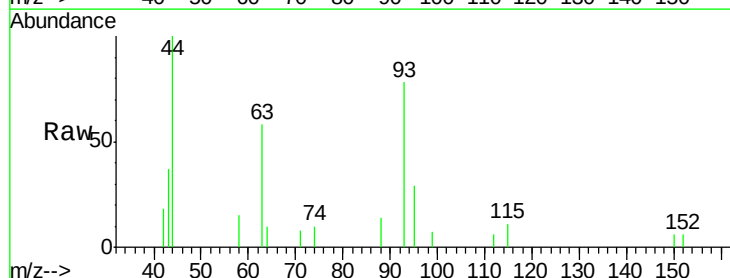
Tgt Ion: 93 Resp: 1044

Ion Ratio Lower Upper

93 100

63 67.6 56.0 84.0

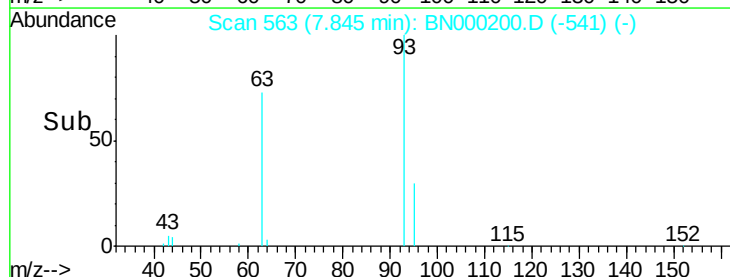
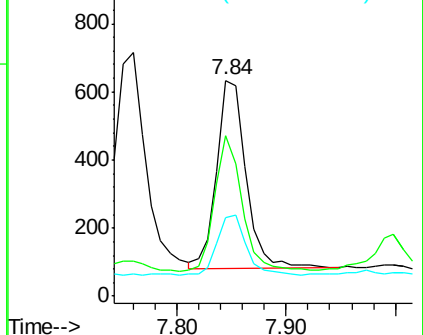
95 30.4 25.2 37.8

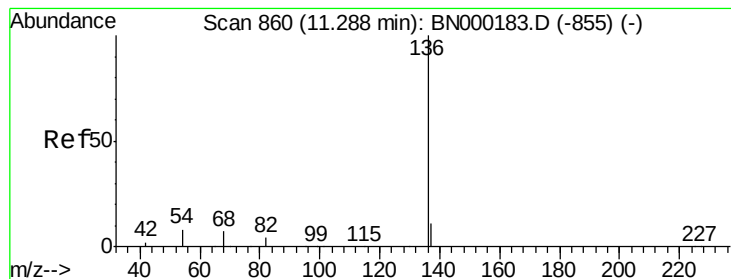


Abundance Ion 93.00 (92.70 to 93.70): BN000200.D (-541) (-)

Ion 63.00 (62.70 to 63.70): BN000200.D (-541) (-)

Ion 95.00 (94.70 to 95.70): BN000200.D (-541) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 860

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

Tgt Ion:136 Resp: 17309

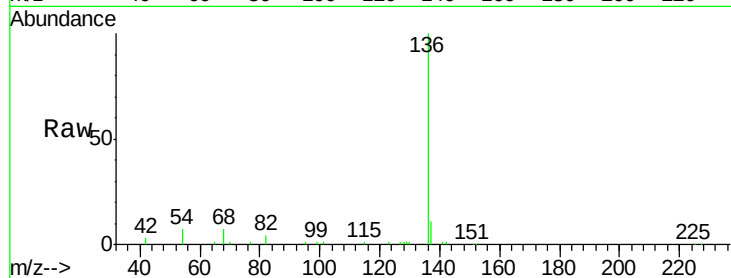
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 7.2 29.1 43.7#

68 6.7 6.2 9.2

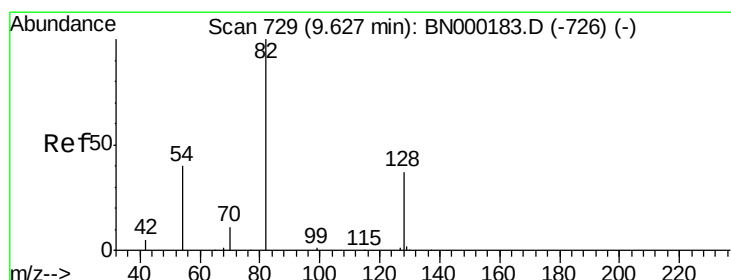
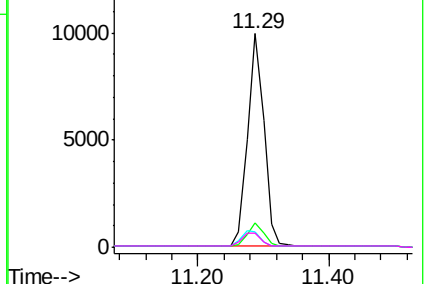
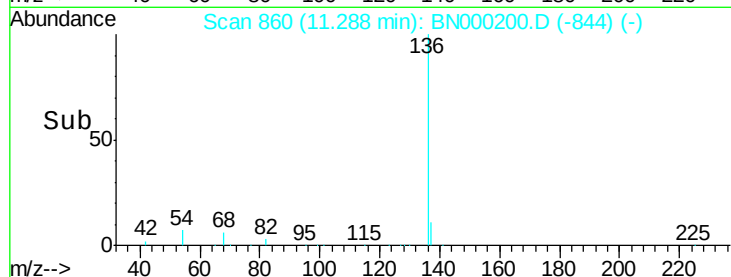


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 9.61 min Scan# 728

Delta R.T. -0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

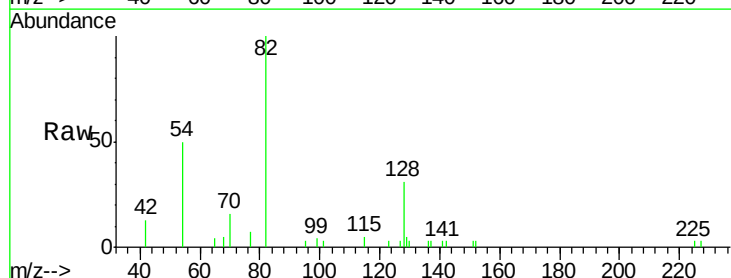
Tgt Ion: 82 Resp: 3508

Ion Ratio Lower Upper

82 100

128 30.6 150.0 225.0#

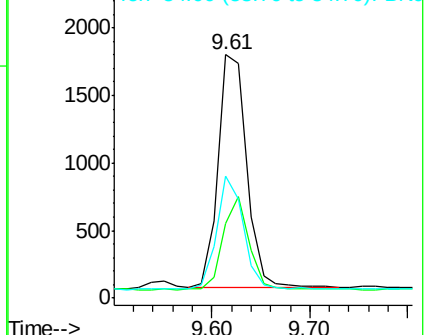
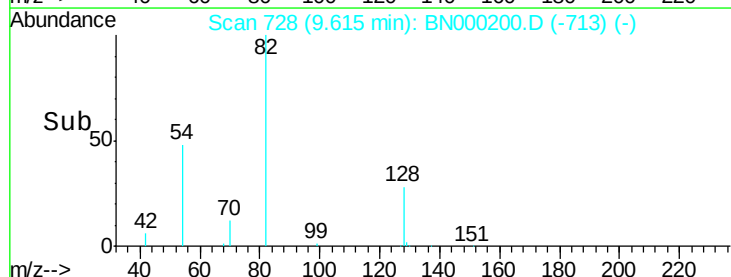
54 50.2 154.2 231.4#

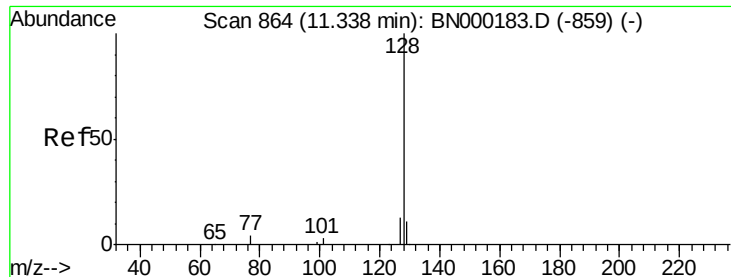


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.069 ng

RT: 11.34 min Scan# 864

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

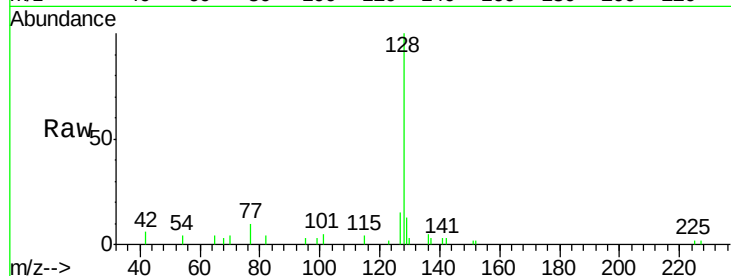
Tgt Ion:128 Resp: 3493

Ion Ratio Lower Upper

128 100

129 13.2 8.0 12.0#

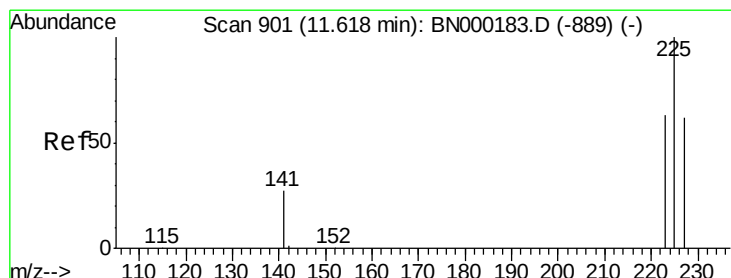
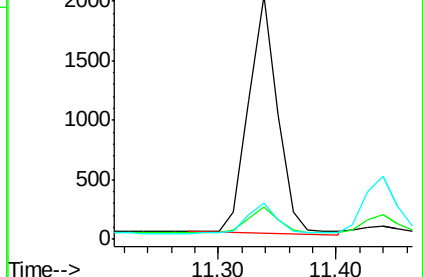
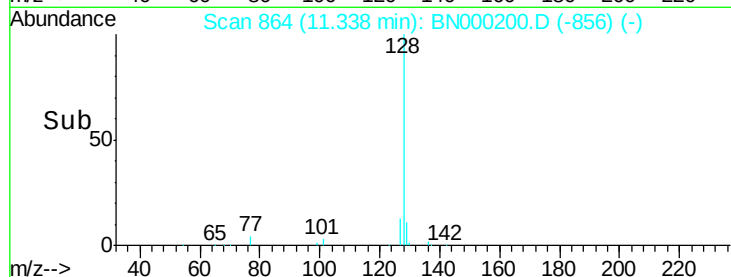
127 15.1 9.6 14.4#



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: 0.067 ng

RT: 11.62 min Scan# 901

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

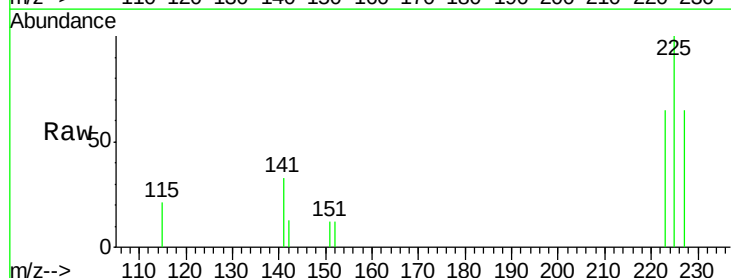
Tgt Ion:225 Resp: 572

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

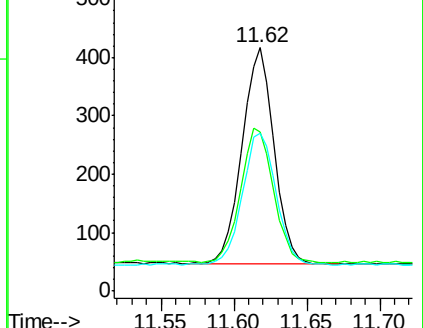
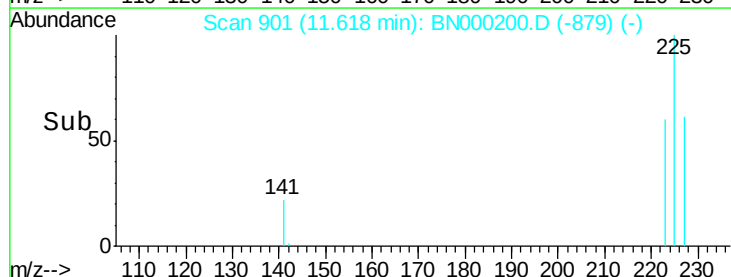
227 63.6 51.4 77.2

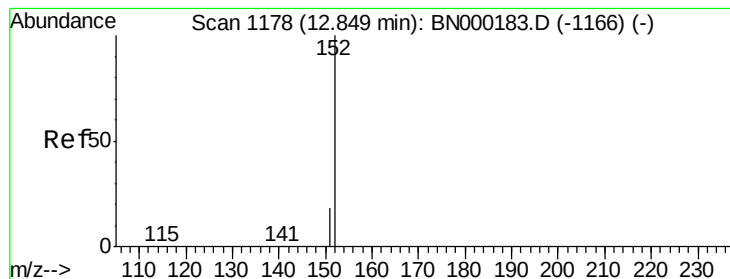


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.84 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

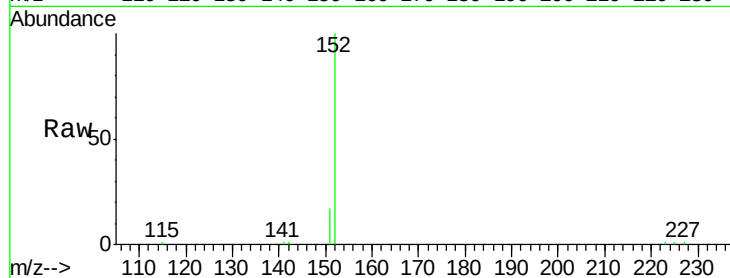
MDL-W-04

Tgt Ion:152 Resp: 9740

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.84

6000

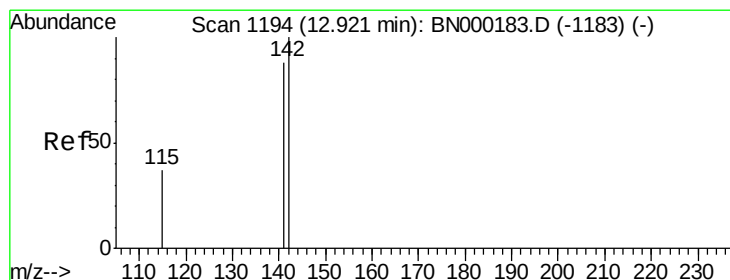
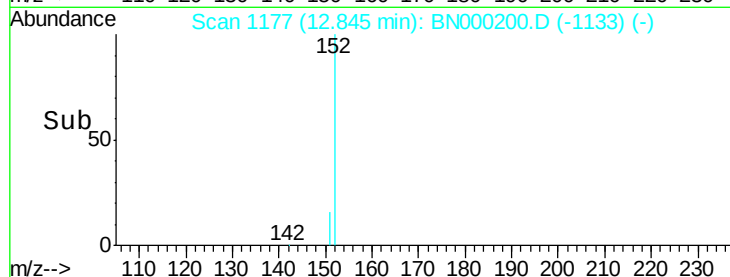
4000

2000

0

Time-->

12.80 12.90 13.00



#12

2-Methylnaphthalene

Concen: 0.065 ng

RT: 12.92 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

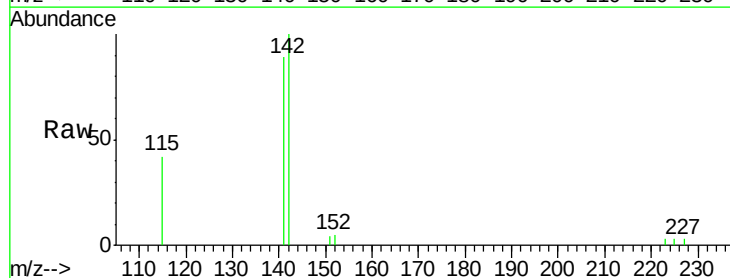
Tgt Ion:142 Resp: 2155

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6

115 42.0 31.7 47.5



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

12.92

1500

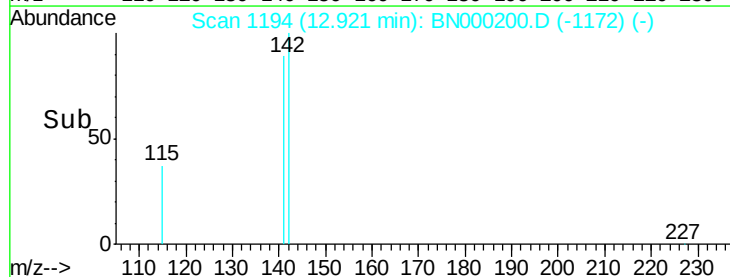
1000

500

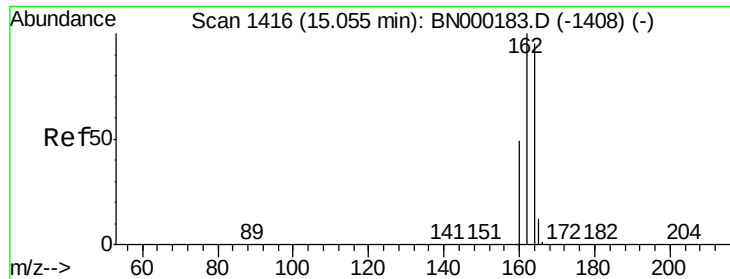
0

Time-->

12.90 13.00







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

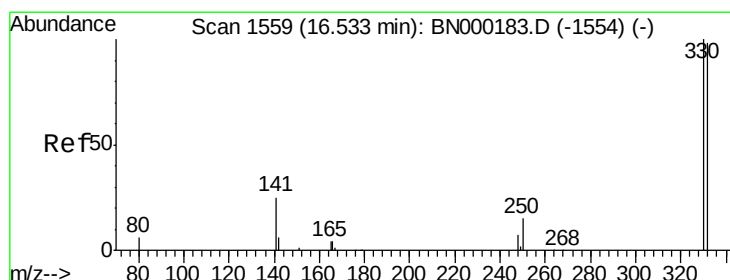
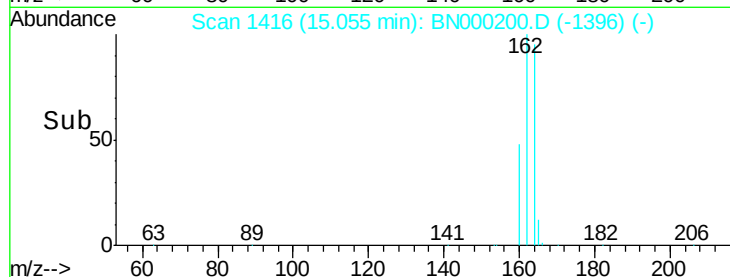
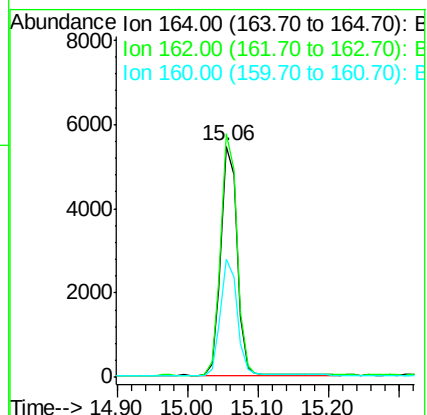
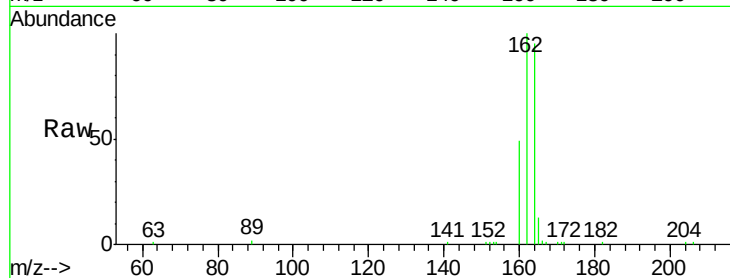
Tgt Ion:164 Resp: 8601

Ion Ratio Lower Upper

164 100

162 105.2 83.1 124.7

160 51.4 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.320 ng

RT: 16.53 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

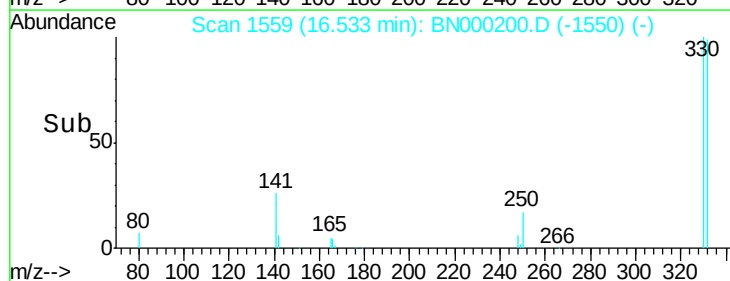
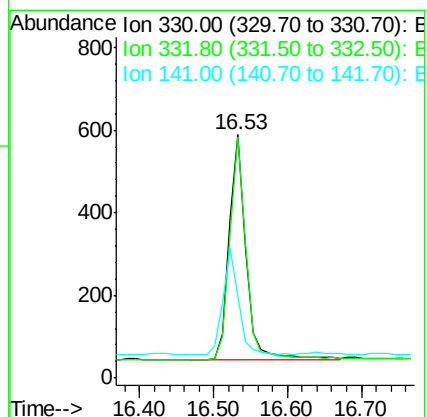
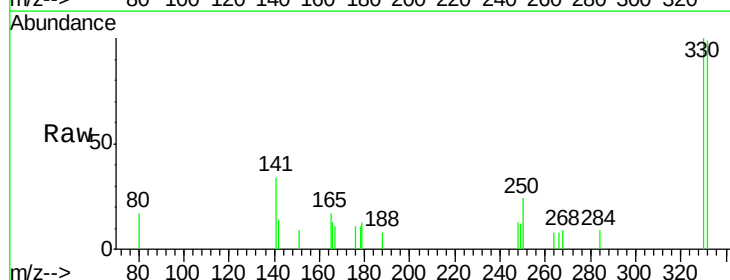
Tgt Ion:330 Resp: 874

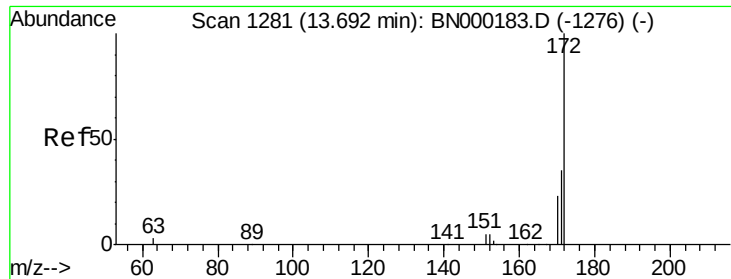
Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

141 43.4 33.7 50.5

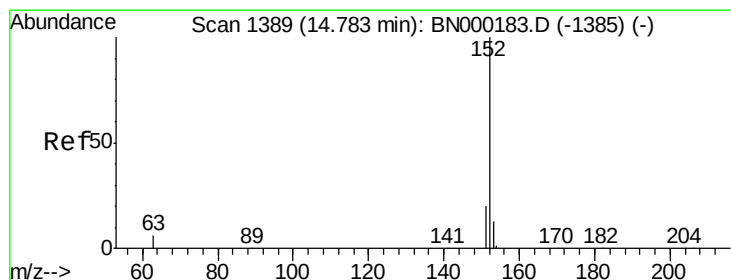
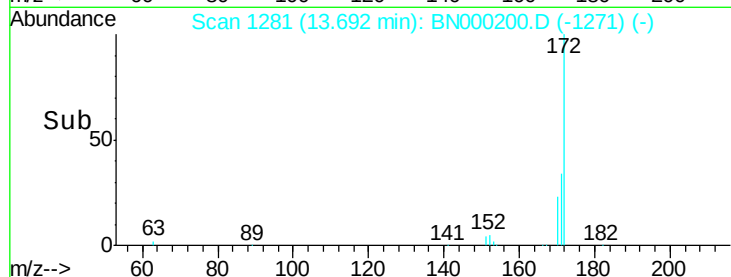
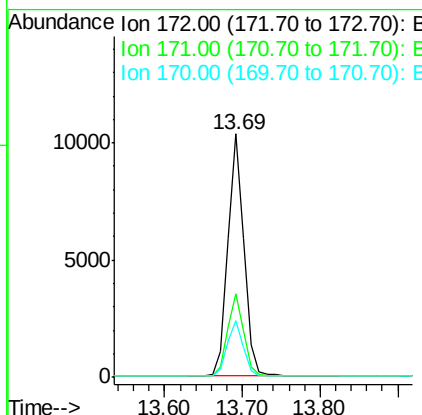
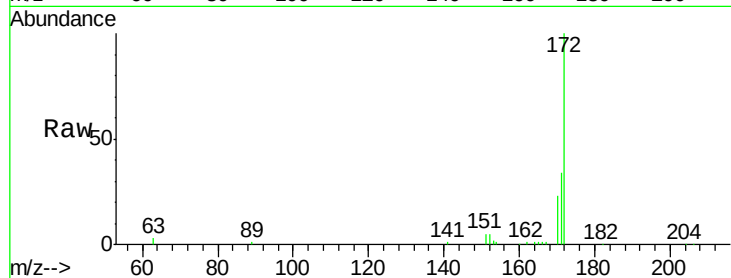




#15  
2-Fluorobiphenyl  
Concen: 0.373 ng  
RT: 13.69 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

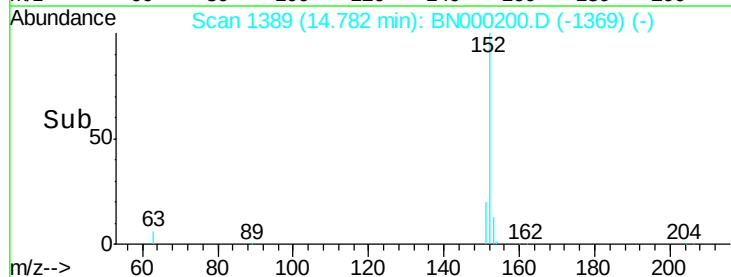
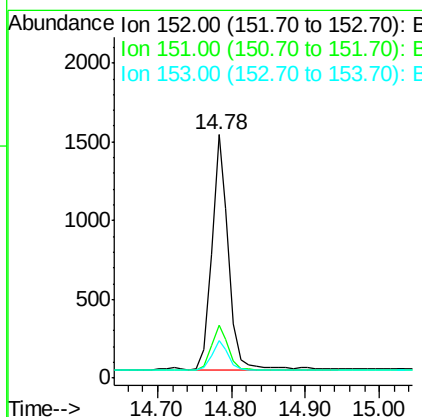
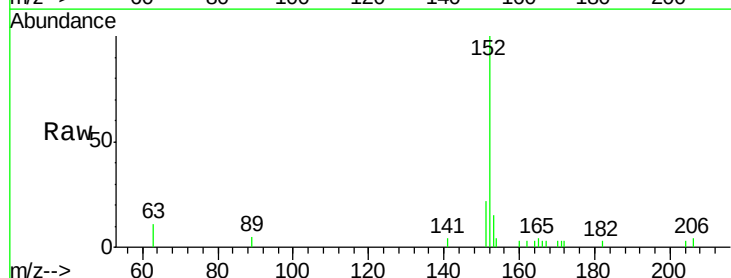
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-04

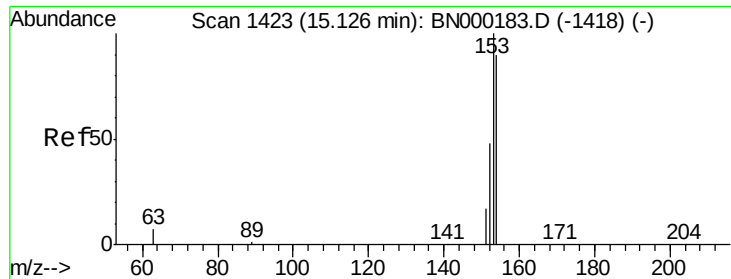
Tgt Ion:172 Resp: 15220  
Ion Ratio Lower Upper  
172 100  
171 34.3 29.9 44.9  
170 23.2 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.058 ng  
RT: 14.78 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

Tgt Ion:152 Resp: 2346  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.7 23.5  
153 12.8 10.5 15.7

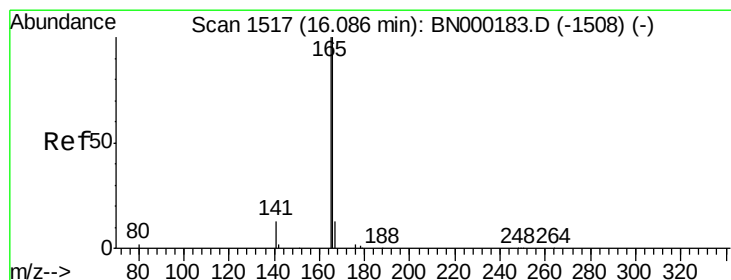
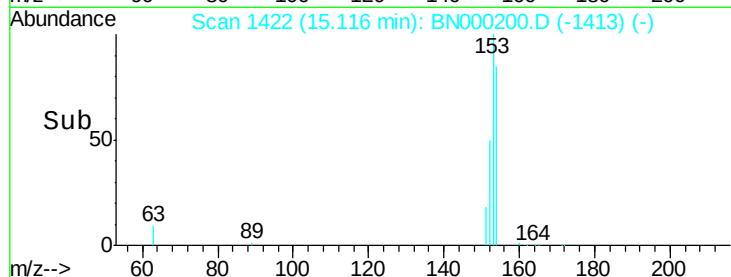
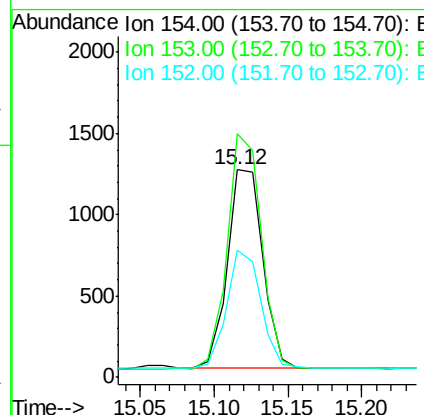
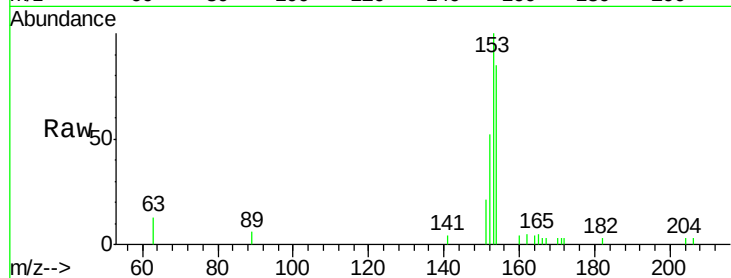




#17  
Acenaphthene  
Concen: 0.064 ng  
RT: 15.12 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

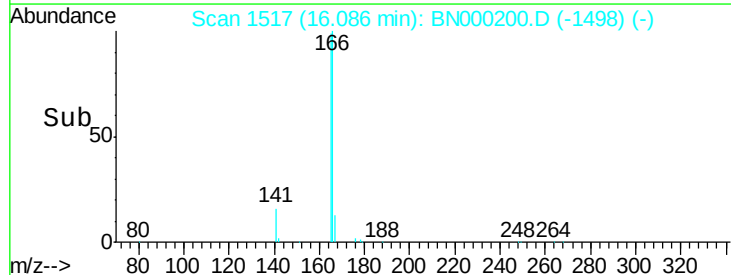
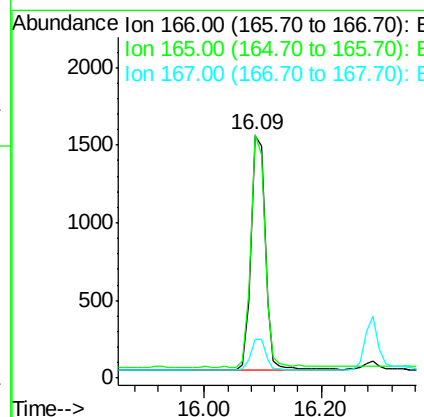
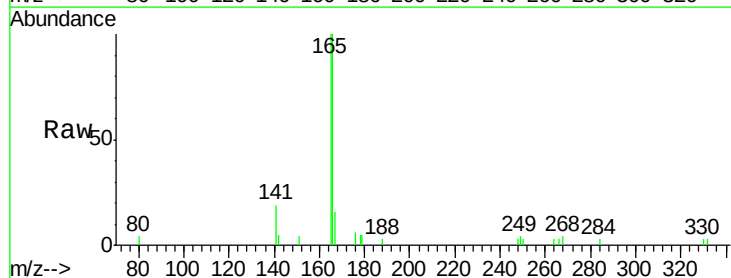
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-04

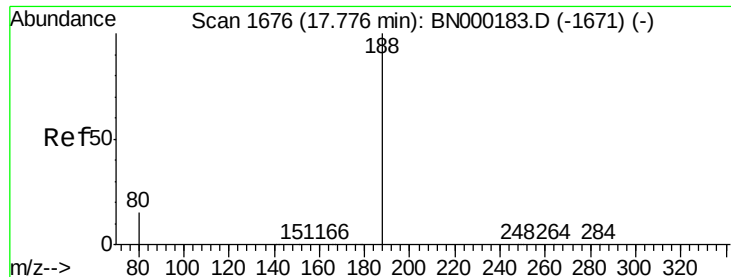
Tgt Ion:154 Resp: 2032  
Ion Ratio Lower Upper  
154 100  
153 115.1 89.2 133.8  
152 57.7 42.0 63.0



#18  
Fluorene  
Concen: 0.065 ng  
RT: 16.09 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

Tgt Ion:166 Resp: 2594  
Ion Ratio Lower Upper  
166 100  
165 97.1 77.8 116.6  
167 14.0 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.78 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

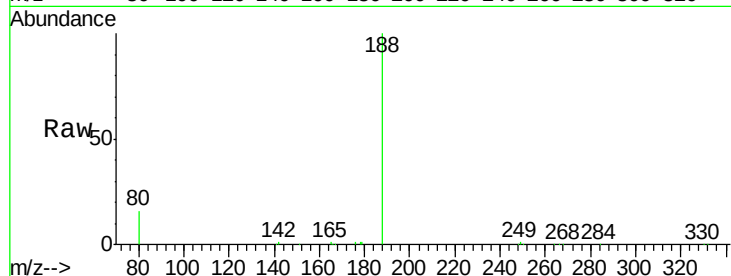
Tgt Ion:188 Resp: 21650

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

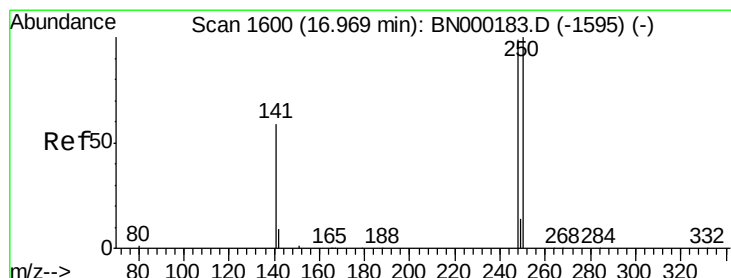
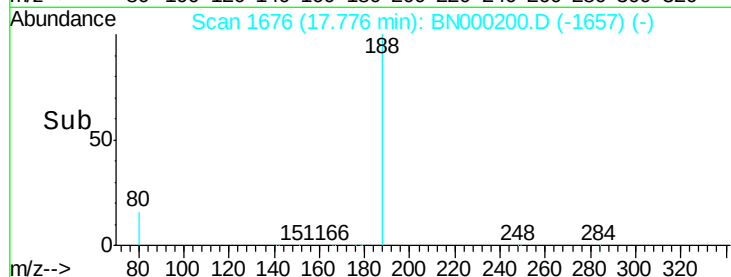
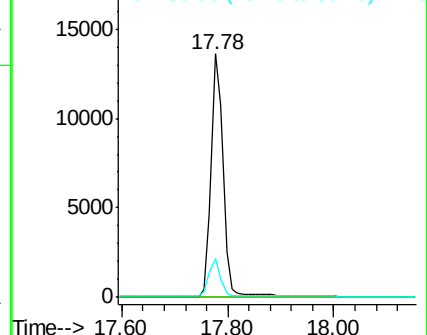
80 16.2 3.6 5.4#



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: 0.056 ng

RT: 16.97 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

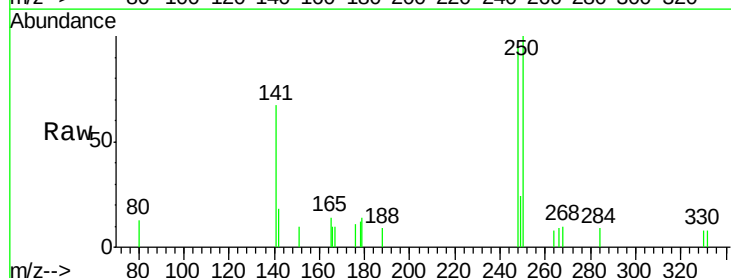
Tgt Ion:248 Resp: 695

Ion Ratio Lower Upper

248 100

250 104.8 62.7 94.1#

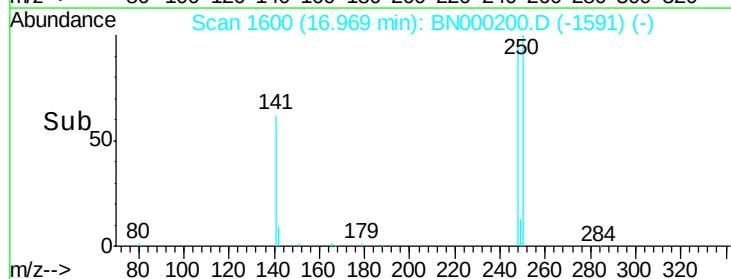
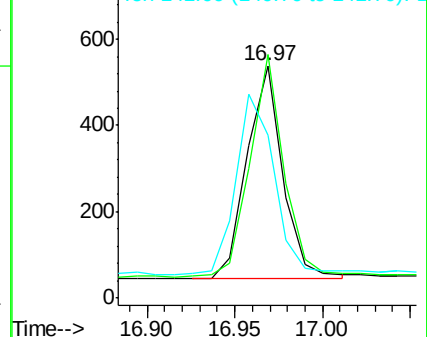
141 70.1 48.2 72.2

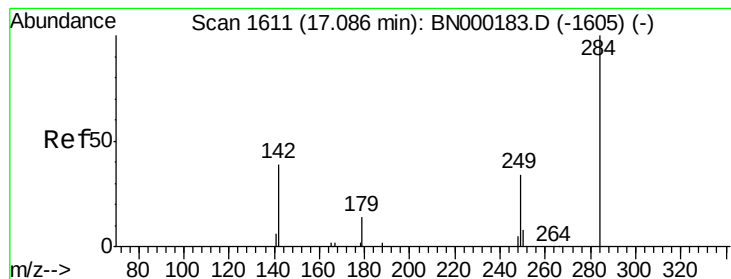


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.060 ng

RT: 17.09 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

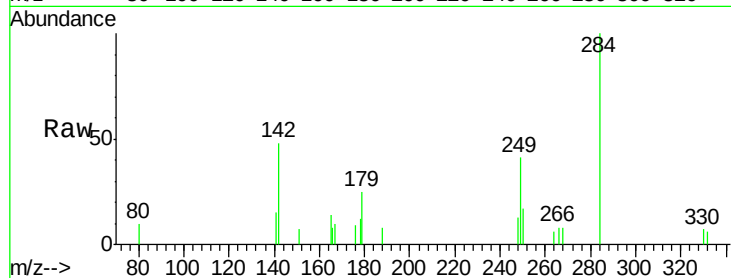
Tgt Ion:284 Resp: 995

Ion Ratio Lower Upper

284 100

142 43.3 32.0 48.0

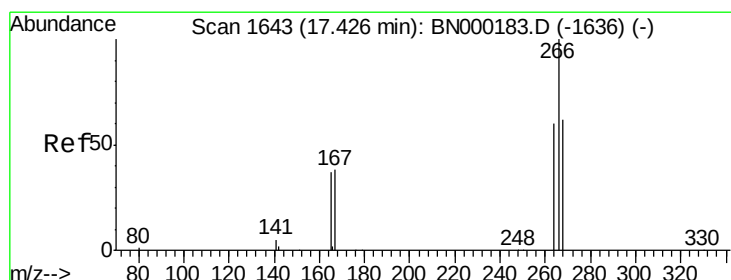
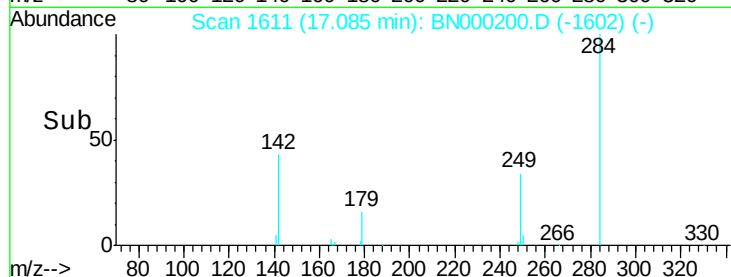
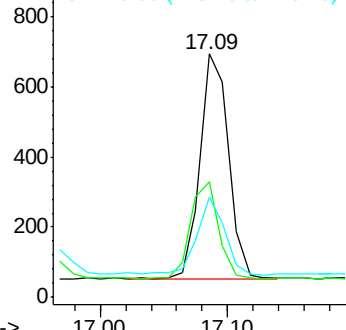
249 34.3 24.0 36.0



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: 0.144 ng

RT: 17.43 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

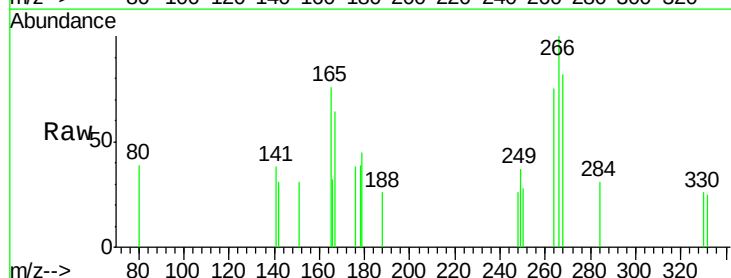
Tgt Ion:266 Resp: 255

Ion Ratio Lower Upper

266 100

264 74.7 48.0 72.0#

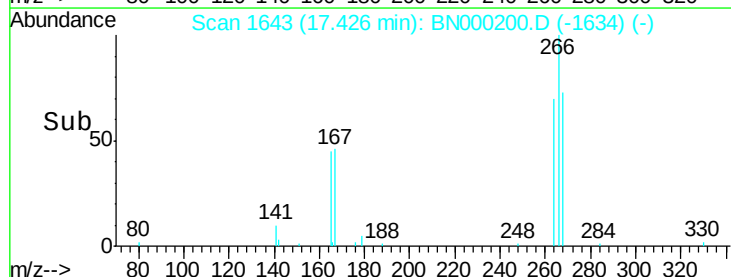
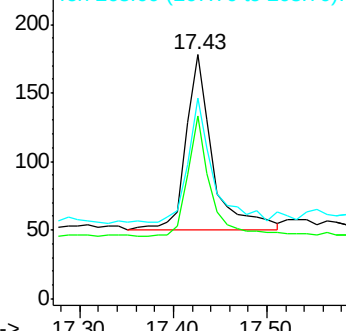
268 82.0 52.0 78.0#

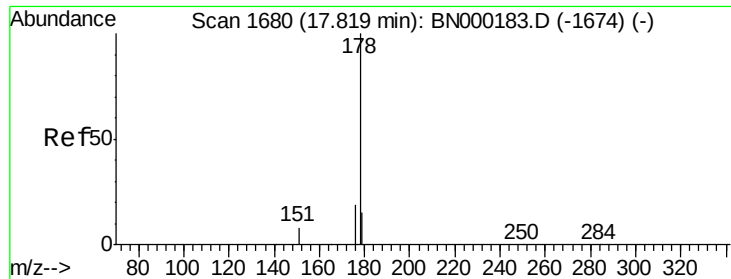


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.063 ng

RT: 17.82 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

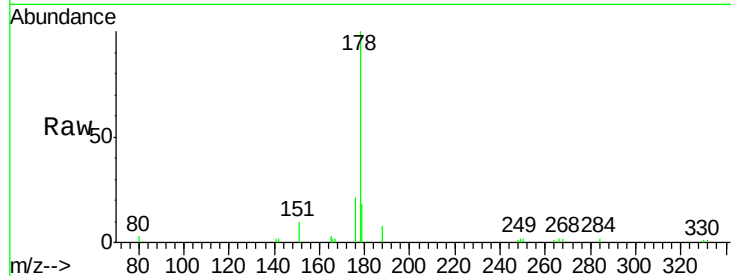
Tgt Ion:178 Resp: 4783

Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

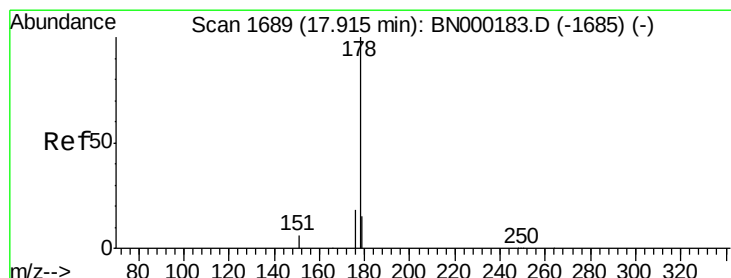
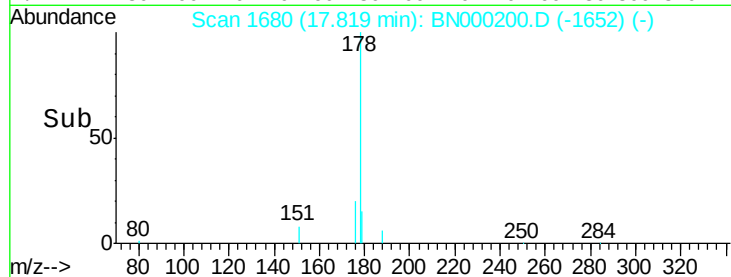
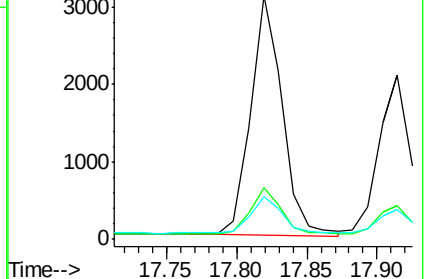
179 16.2 11.8 17.6



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: 0.056 ng

RT: 17.91 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

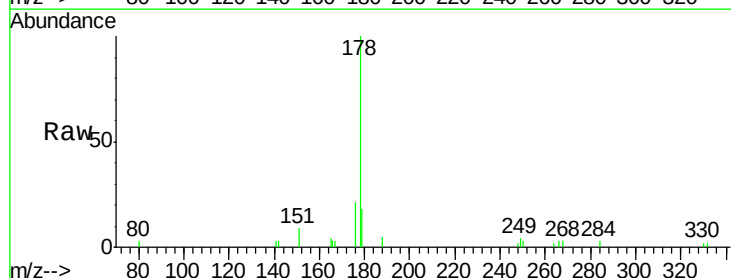
Tgt Ion:178 Resp: 3237

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

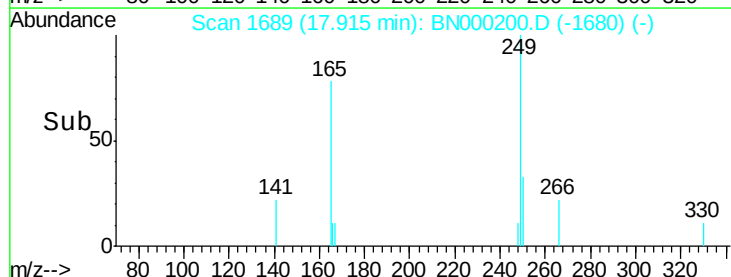
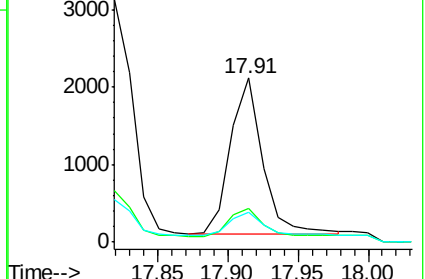
179 15.5 13.0 19.6

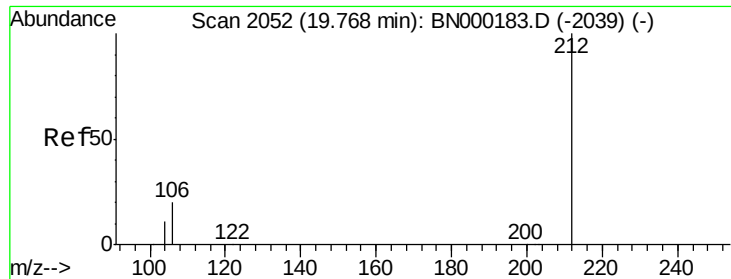


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.77 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

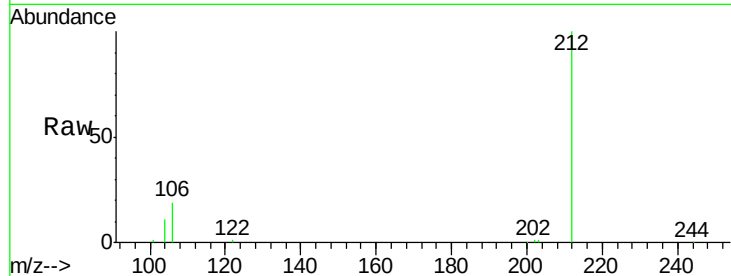
Tgt Ion:212 Resp: 20081

Ion Ratio Lower Upper

212 100

106 19.5 2.8 4.2#

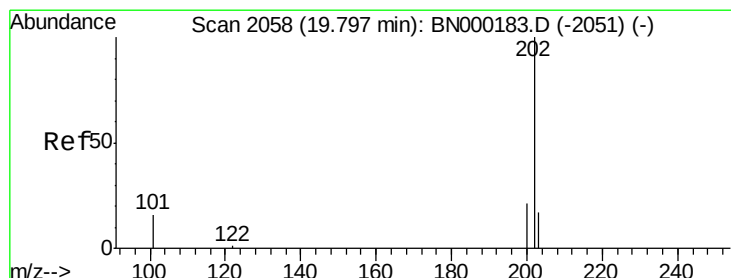
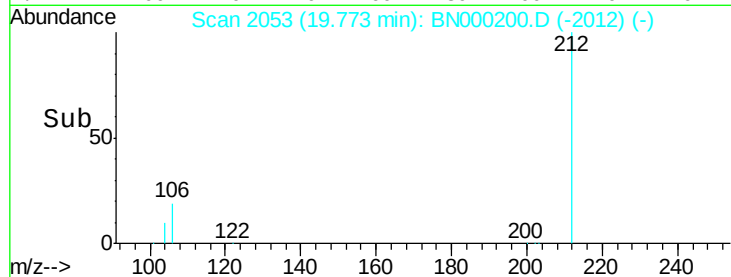
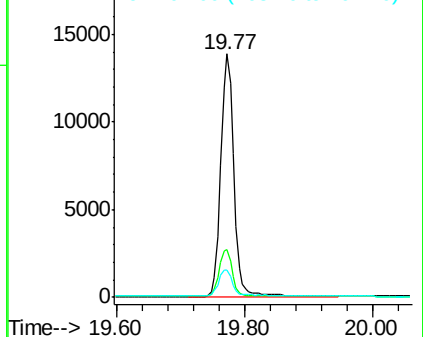
104 10.5 1.6 2.4#



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: 0.061 ng

RT: 19.80 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

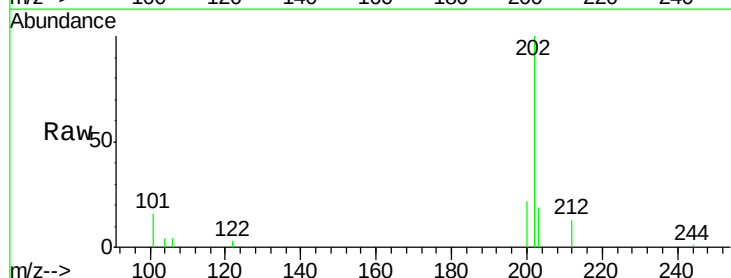
Tgt Ion:202 Resp: 4798

Ion Ratio Lower Upper

202 100

101 16.4 9.8 14.8#

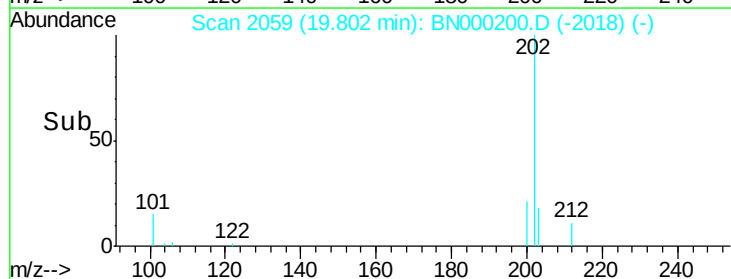
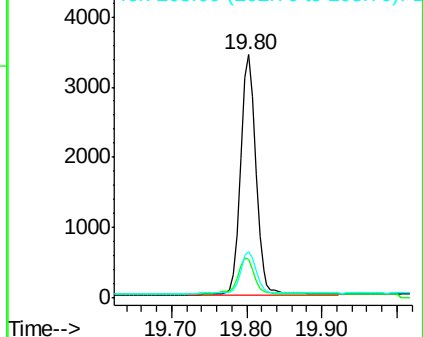
203 17.0 13.7 20.5

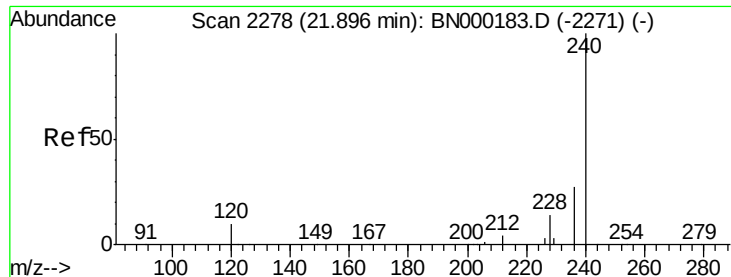


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.90 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

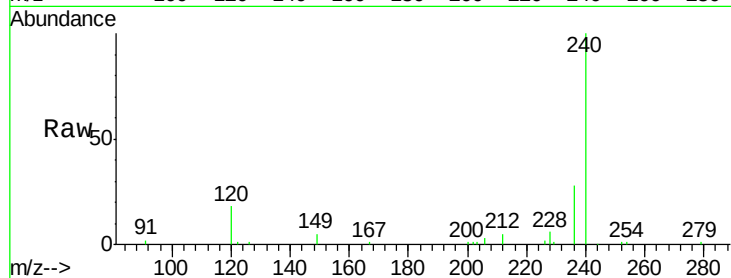
Tgt Ion:240 Resp: 17402

Ion Ratio Lower Upper

240 100

120 17.5 5.5 8.3#

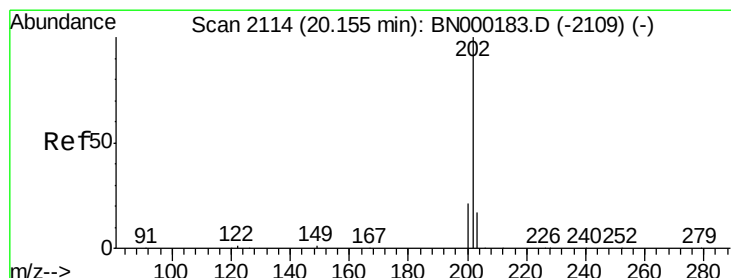
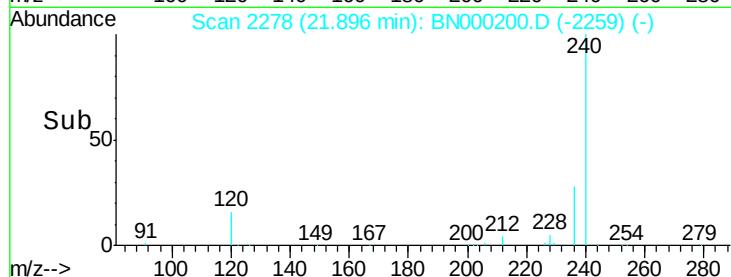
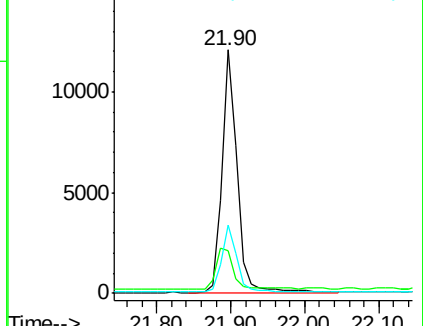
236 28.1 20.7 31.1



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: 0.070 ng

RT: 20.15 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

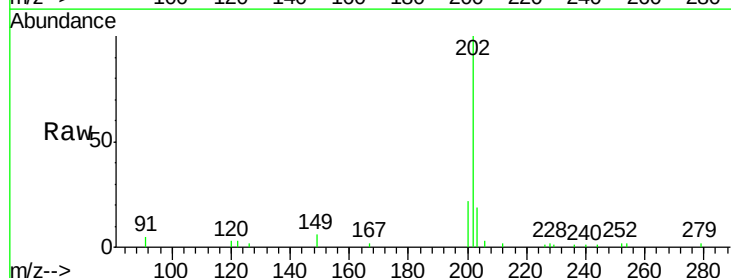
Tgt Ion:202 Resp: 4806

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

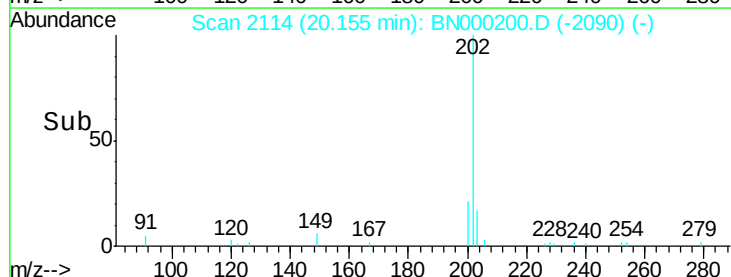
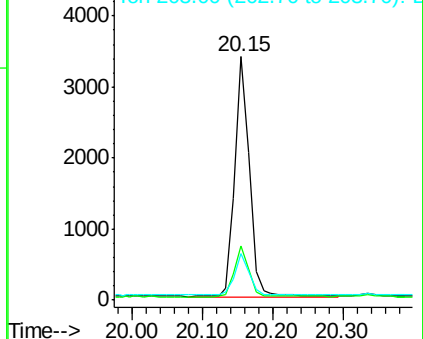
203 17.3 13.8 20.8



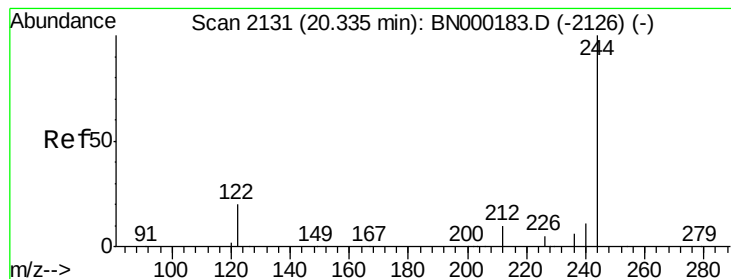
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.391 ng

RT: 20.34 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

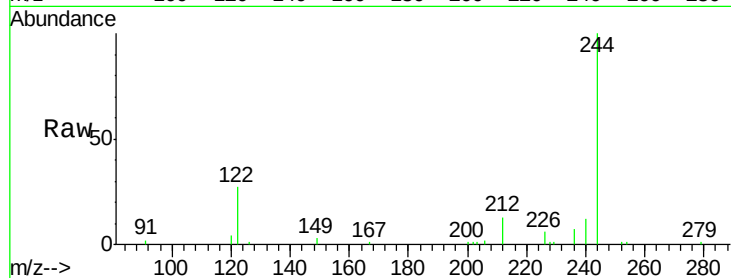
Tgt Ion:244 Resp: 11964

Ion Ratio Lower Upper

244 100

212 12.5 25.4 38.0#

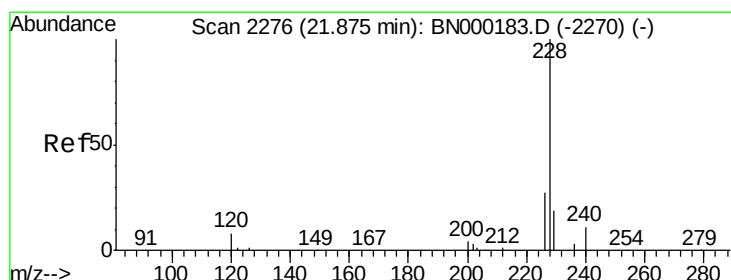
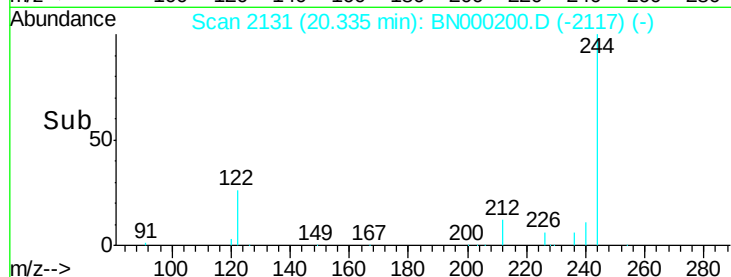
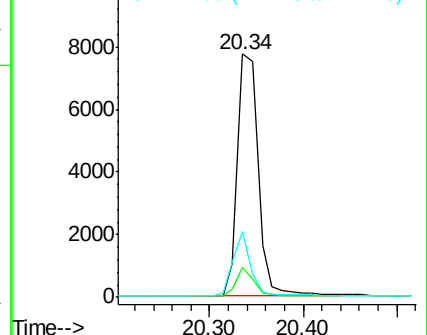
122 27.1 8.1 12.1#



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: 0.062 ng

RT: 21.87 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

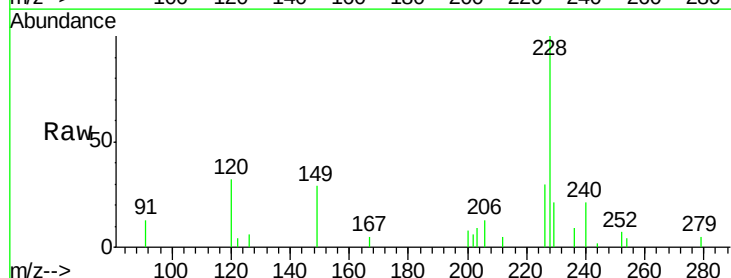
Tgt Ion:228 Resp: 3412

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

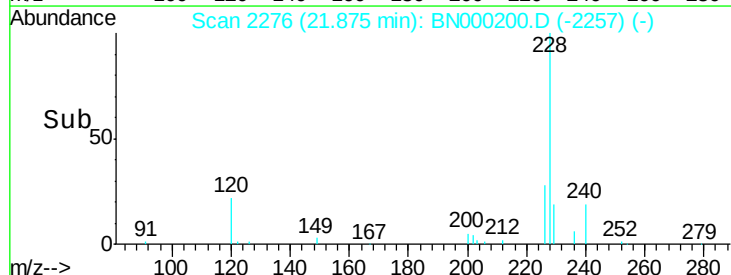
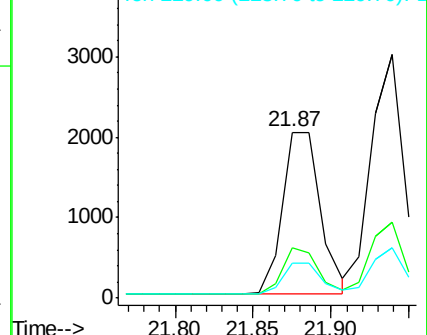
229 21.0 16.0 24.0

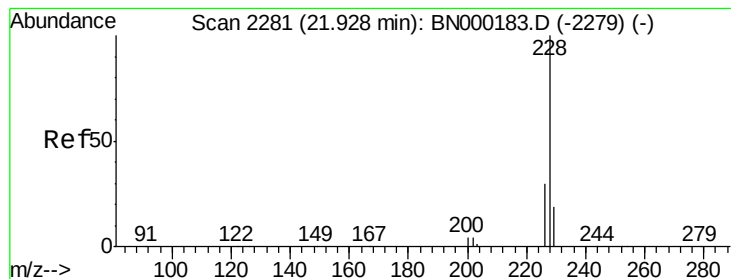


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

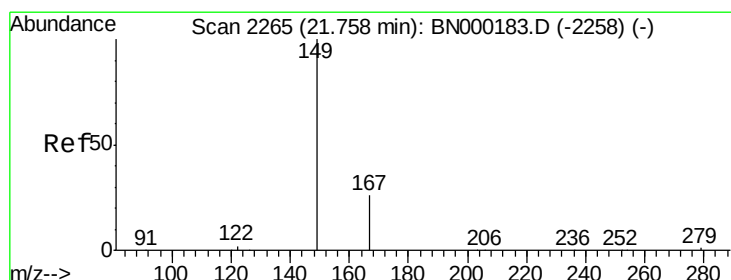
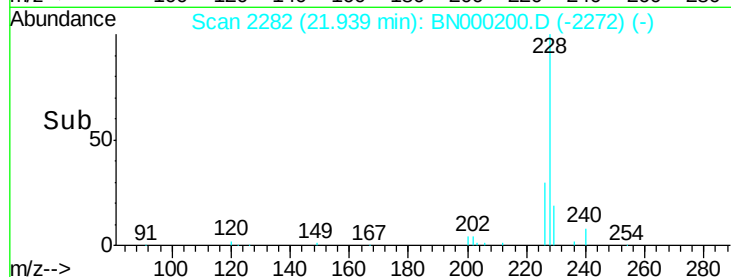
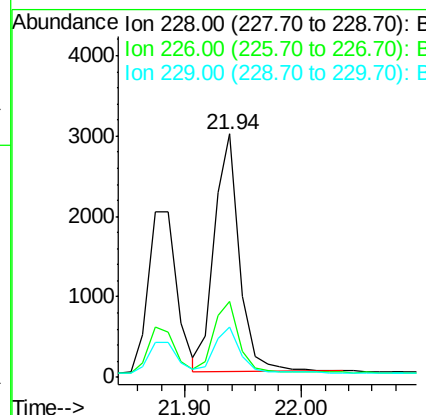
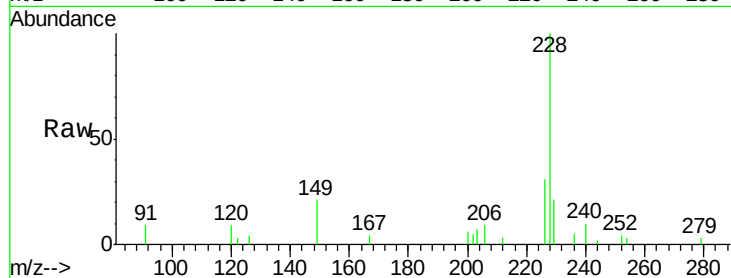




#31  
**Chrysene**  
 Concen: 0.069 ng  
 RT: 21.94 min Scan# 2282  
 Delta R.T. 0.01 min  
 Lab File: BN000200.D  
 Acq: 28 Feb 2018 11:17

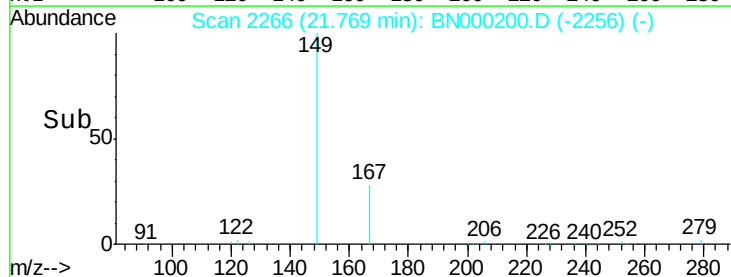
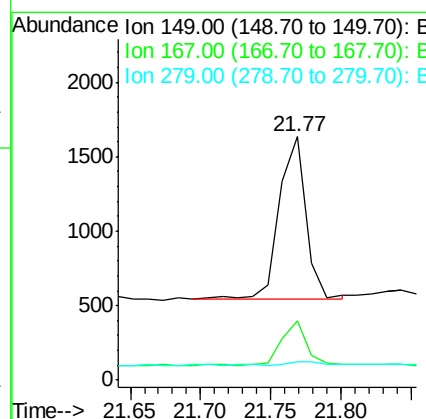
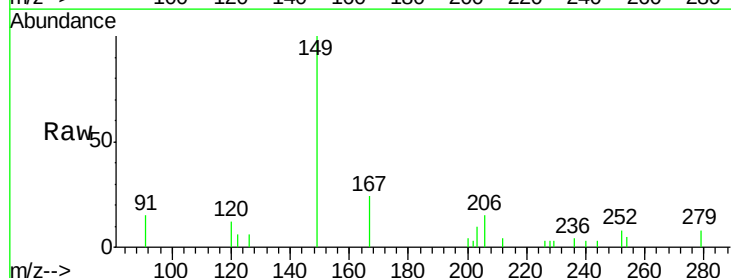
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-W-04

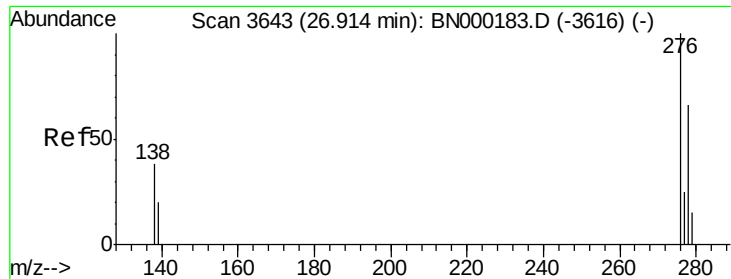
Tgt Ion: 228 Resp: 4425  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 24.0 36.0  
 229 20.7 16.0 24.0



#32  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 0.071 ng  
 RT: 21.77 min Scan# 2266  
 Delta R.T. 0.01 min  
 Lab File: BN000200.D  
 Acq: 28 Feb 2018 11:17

Tgt Ion: 149 Resp: 1457  
 Ion Ratio Lower Upper  
 149 100  
 167 26.1 20.0 30.0  
 279 3.6 1.6 2.4#

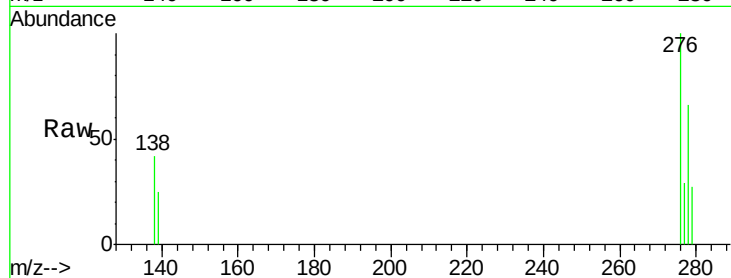




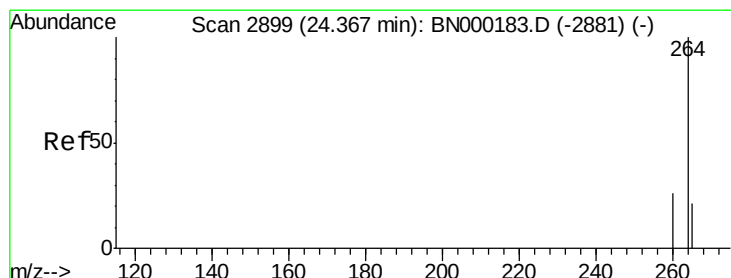
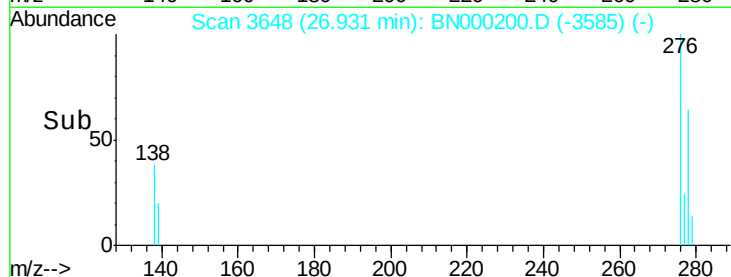
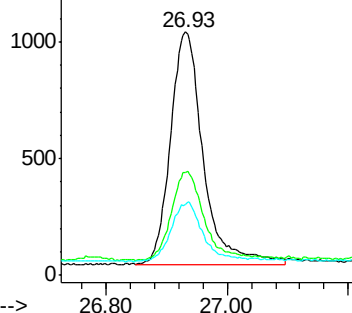
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.062 ng  
 RT: 26.93 min Scan# 3648  
 Delta R.T. 0.02 min  
 Lab File: BN000200.D  
 Acq: 28 Feb 2018 11:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-W-04

Tgt Ion: 276 Resp: 3730  
 Ion Ratio Lower Upper  
 276 100  
 138 38.3 22.5 33.7#  
 277 25.2 19.9 29.9

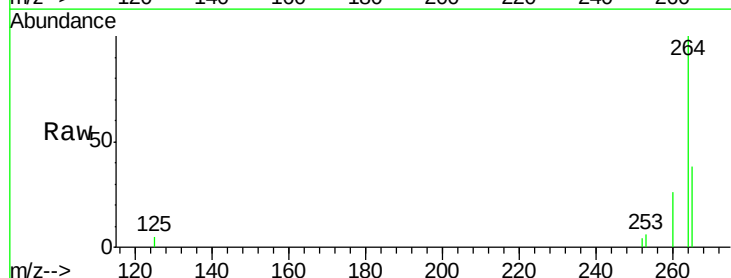


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

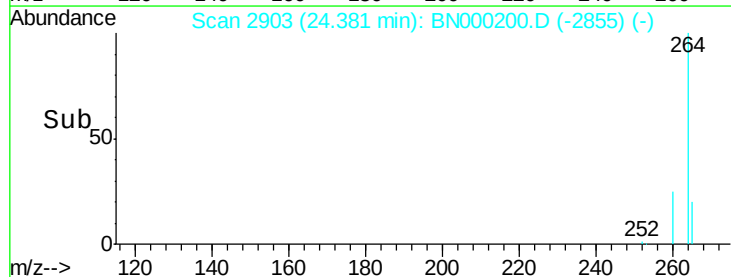
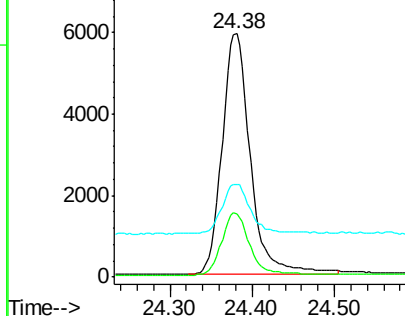


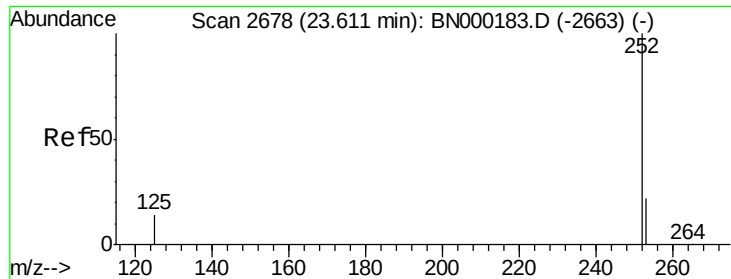
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.38 min Scan# 2903  
 Delta R.T. 0.01 min  
 Lab File: BN000200.D  
 Acq: 28 Feb 2018 11:17

Tgt Ion: 264 Resp: 14220  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 20.5 30.7  
 265 38.1 22.8 34.2#



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

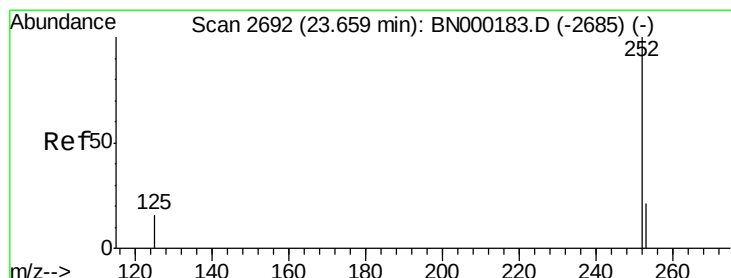
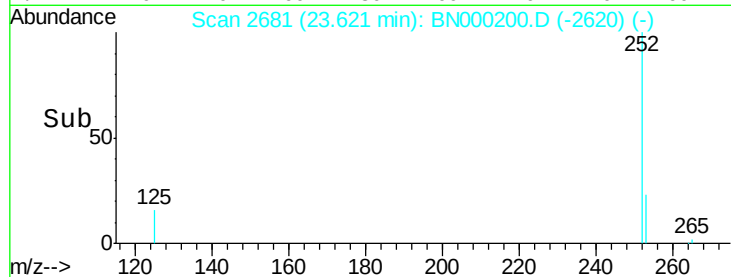
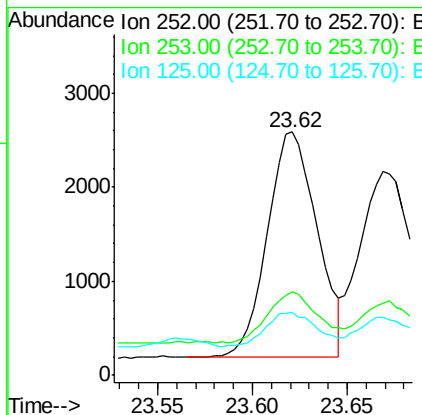
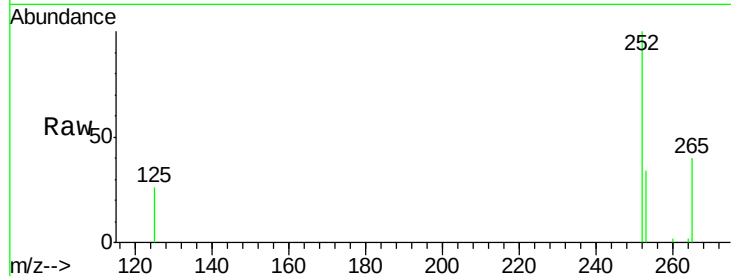




#35  
Benzo(b)fluoranthene  
Concen: 0.067 ng  
RT: 23.62 min Scan# 2681  
Delta R.T. 0.01 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

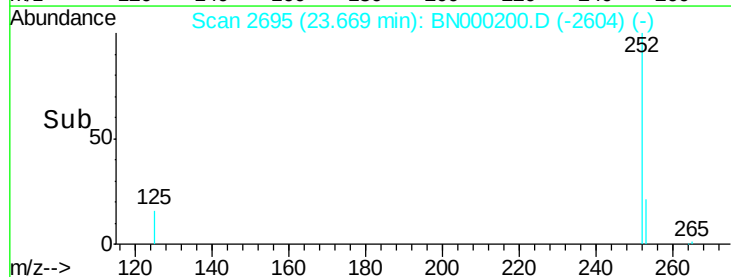
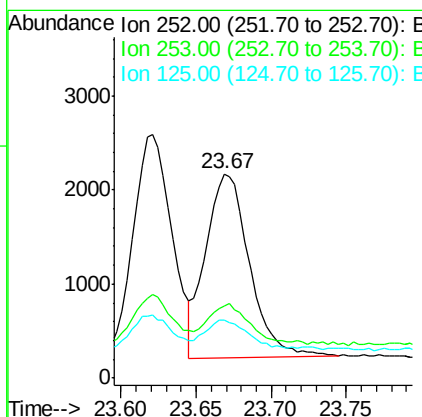
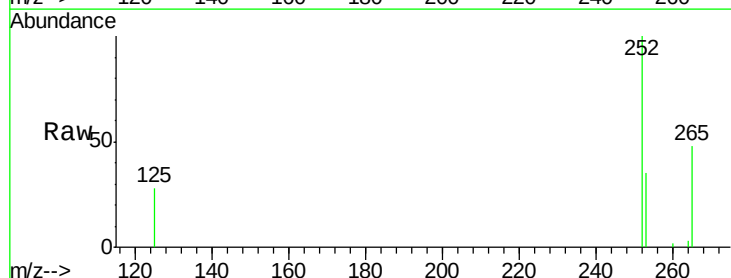
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-04

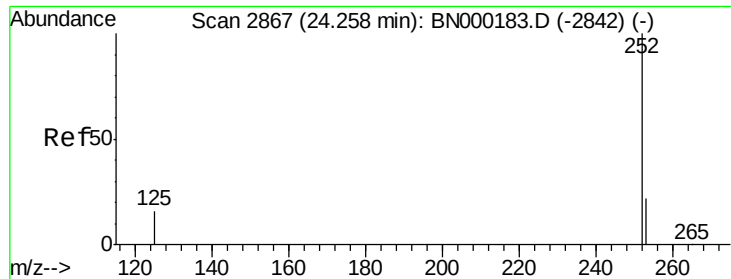
Tgt Ion: 252 Resp: 4369  
Ion Ratio Lower Upper  
252 100  
253 34.2 20.0 30.0#  
125 26.2 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.062 ng  
RT: 23.67 min Scan# 2695  
Delta R.T. 0.01 min  
Lab File: BN000200.D  
Acq: 28 Feb 2018 11:17

Tgt Ion: 252 Resp: 3922  
Ion Ratio Lower Upper  
252 100  
253 35.5 16.0 24.0#  
125 28.1 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.058 ng

RT: 24.27 min Scan# 2870

Delta R.T. 0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04

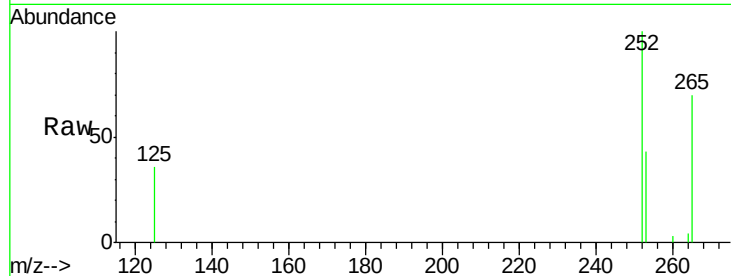
Tgt Ion:252 Resp: 3089

Ion Ratio Lower Upper

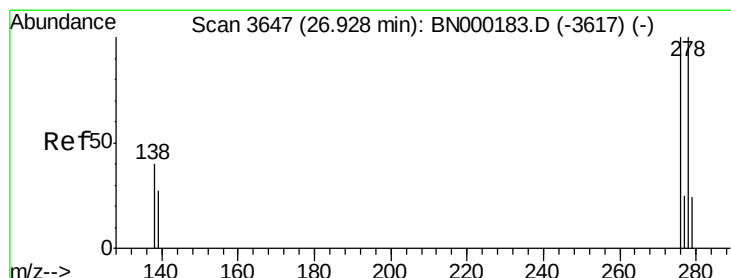
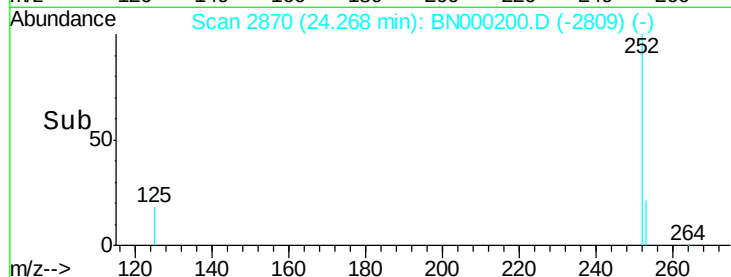
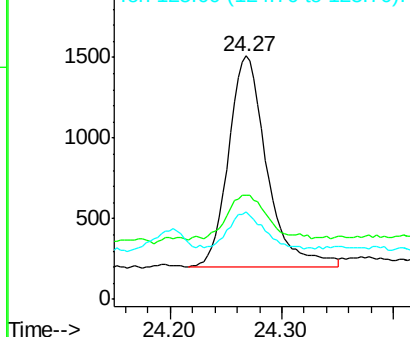
252 100

253 42.6 16.0 24.0#

125 36.0 12.0 18.0#



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: 0.059 ng

RT: 26.94 min Scan# 3651

Delta R.T. 0.01 min

Lab File: BN000200.D

Acq: 28 Feb 2018 11:17

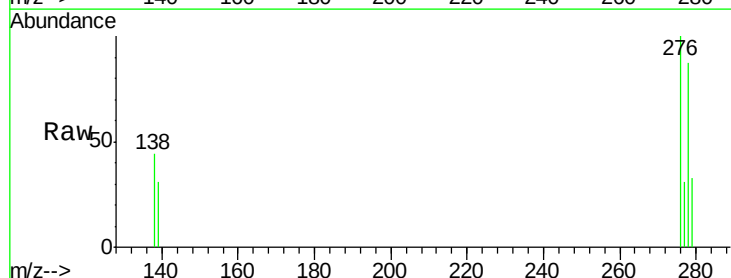
Tgt Ion:278 Resp: 2771

Ion Ratio Lower Upper

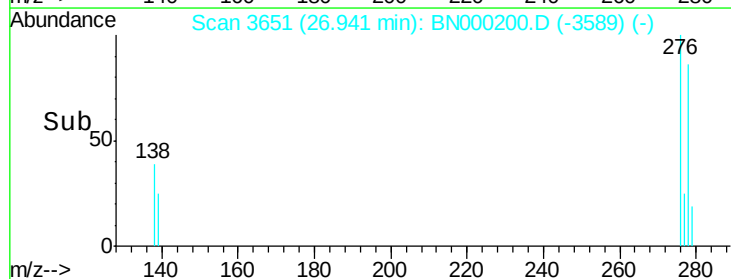
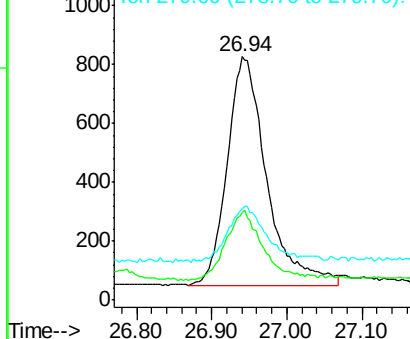
278 100

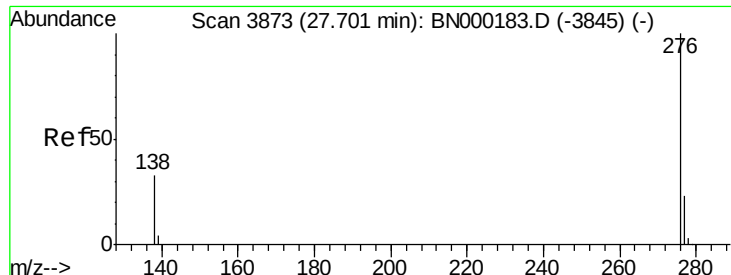
139 35.7 16.0 24.0#

279 37.4 20.0 30.0#



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: 0.068 ng

RT: 27.72 min Scan# 3878

Delta R.T. 0.02 min

Lab File: BN000200.D

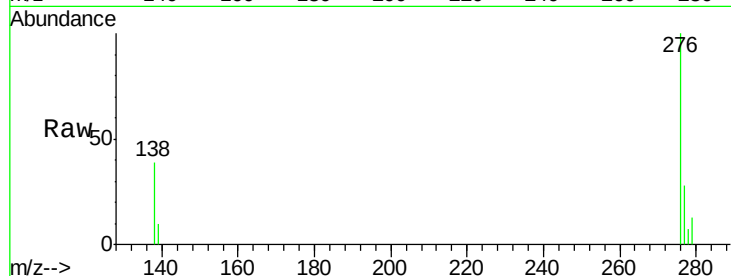
Acq: 28 Feb 2018 11:17

Instrument :

BNA\_N

ClientSampleId :

MDL-W-04



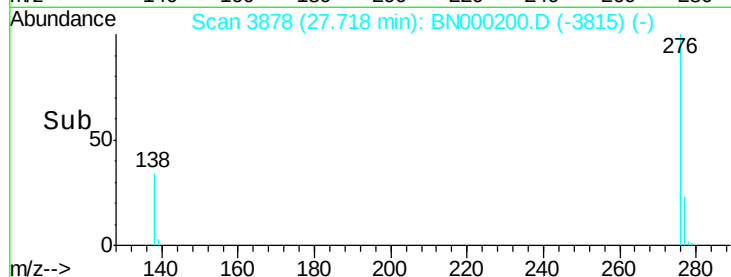
Tgt Ion: 276 Resp: 3801

Ion Ratio Lower Upper

276 100

277 27.9 16.0 24.0#

138 38.5 20.0 30.0#



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

