

Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN022718\  
 Data File : BN000187.D  
 Acq On : 27 Feb 2018 12:42  
 Operator : JU/SJ  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBE022718

Quant Time: Feb 27 15:14:39 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 | 8.46  | 152  | 5707     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.29 | 136  | 20600    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.07 | 164  | 10097    | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.78 | 188  | 23112    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.90 | 240  | 20895    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.37 | 264  | 17656    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.93  | 112 | 4723  | 0.39 | ng | 0.00 |
| 5) Phenol-d6                | 7.58  | 99  | 5903  | 0.39 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.63  | 82  | 4773  | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.85 | 152 | 12359 | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330 | 1280  | 0.40 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.69 | 172 | 19607 | 0.41 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.77 | 212 | 23898 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.35 | 244 | 15091 | 0.41 | ng | 0.01 |

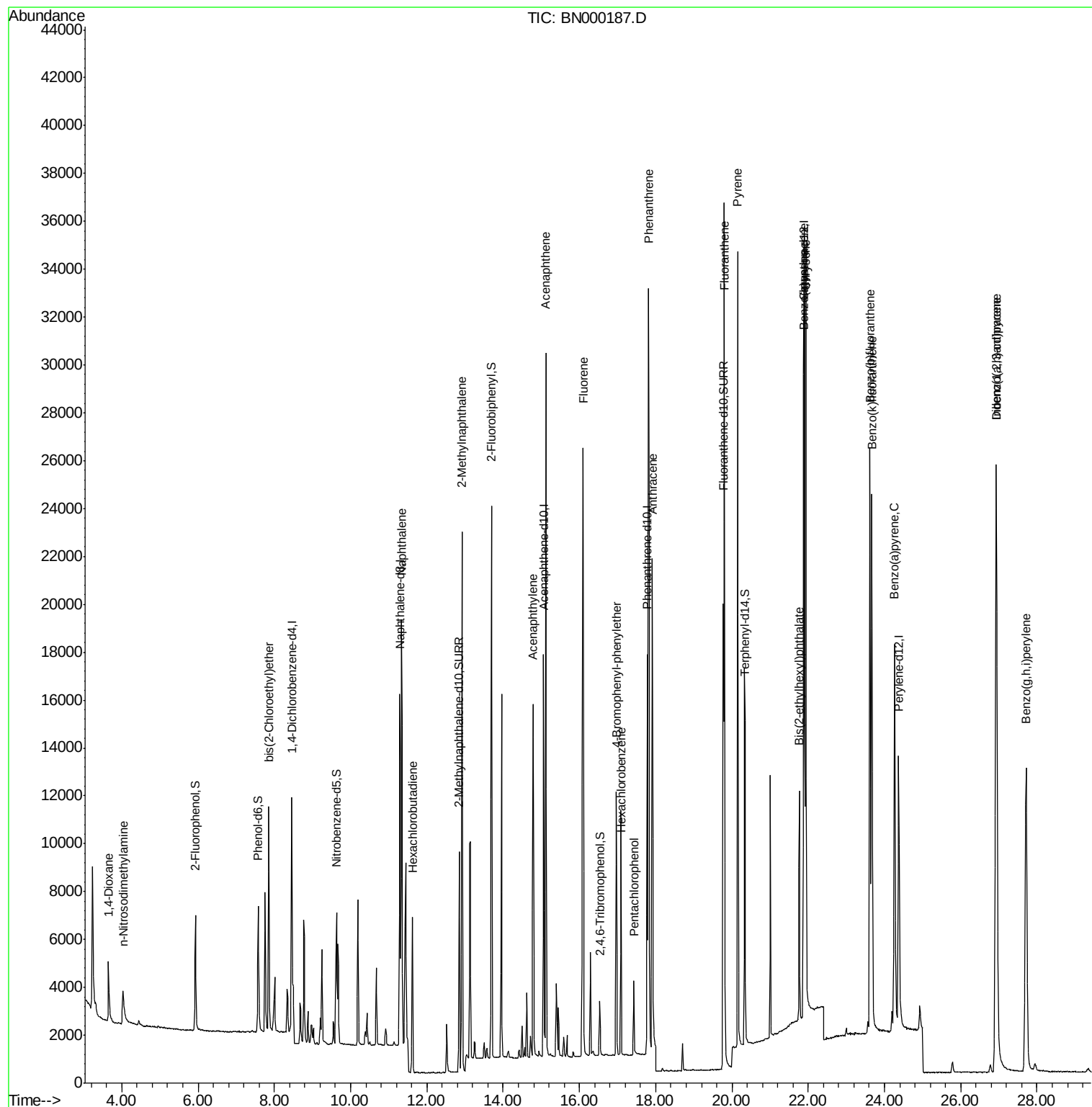
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.65  | 88  | 2315  | 0.392  | ng | 93   |
| 3) n-Nitrosodimethylamine      | 4.02  | 42  | 1460  | 0.376  | ng | # 99 |
| 6) bis(2-Chloroethyl)ether     | 7.85  | 93  | 7527  | 0.387  | ng | 99   |
| 9) Naphthalene                 | 11.34 | 128 | 24128 | 0.401  | ng | 97   |
| 10) Hexachlorobutadiene        | 11.62 | 225 | 4154  | 0.407  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.92 | 142 | 15577 | 0.395  | ng | 99   |
| 16) Acenaphthylene             | 14.78 | 152 | 18001 | 0.378  | ng | 100  |
| 17) Acenaphthene               | 15.13 | 154 | 14994 | 0.400  | ng | 97   |
| 18) Fluorene                   | 16.10 | 166 | 18414 | 0.393  | ng | # 79 |
| 20) 4-Bromophenyl-phenylether  | 16.97 | 248 | 5196  | 0.390  | ng | # 82 |
| 21) Hexachlorobenzene          | 17.10 | 284 | 7132  | 0.400  | ng | 96   |
| 22) Pentachlorophenol          | 17.43 | 266 | 1587  | 0.380  | ng | 97   |
| 23) Phenanthrene               | 17.82 | 178 | 32120 | 0.395  | ng | 98   |
| 24) Anthracene                 | 17.91 | 178 | 23295 | 0.378  | ng | 96   |
| 26) Fluoranthene               | 19.80 | 202 | 32255 | 0.382  | ng | # 96 |
| 28) Pyrene                     | 20.15 | 202 | 32946 | 0.402  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.88 | 228 | 25161 | 0.382  | ng | 97   |
| 31) Chrysene                   | 21.94 | 228 | 31783 | 0.413  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 9196  | 0.375  | ng | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.93 | 276 | 31233 | 0.435  | ng | # 89 |
| 35) Benzo(b)fluoranthene       | 23.62 | 252 | 32646 | 0.405  | ng | 95   |
| 36) Benzo(k)fluoranthene       | 23.67 | 252 | 30802 | 0.391  | ng | # 88 |
| 37) Benzo(a)pyrene             | 24.26 | 252 | 26004 | 0.396  | ng | # 91 |
| 38) Dibenzo(a,h)anthracene     | 26.94 | 278 | 25087 | 0.429  | ng | # 92 |
| 39) Benzo(g,h,i)perylene       | 27.71 | 276 | 27418 | 0.397  | ng | # 85 |

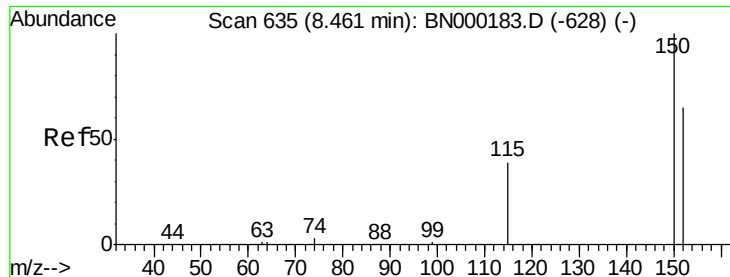
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 27 15:07:57 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 635

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

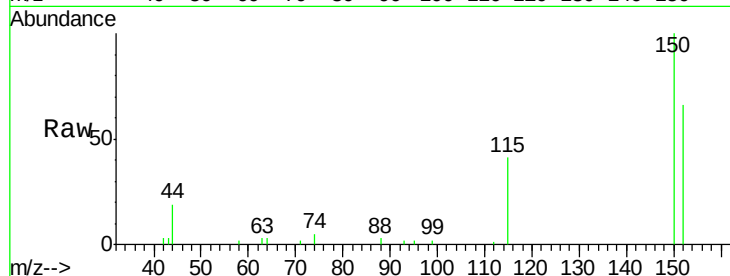
Tgt Ion:152 Resp: 5707

Ion Ratio Lower Upper

152 100

150 151.5 117.2 175.8

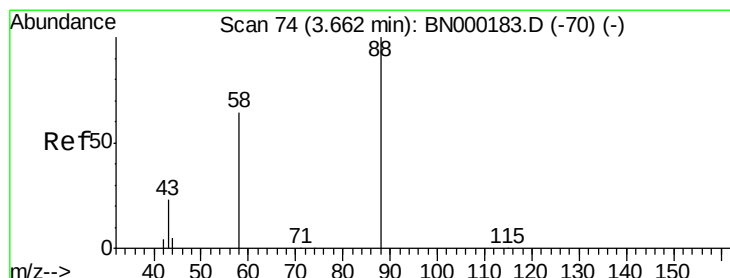
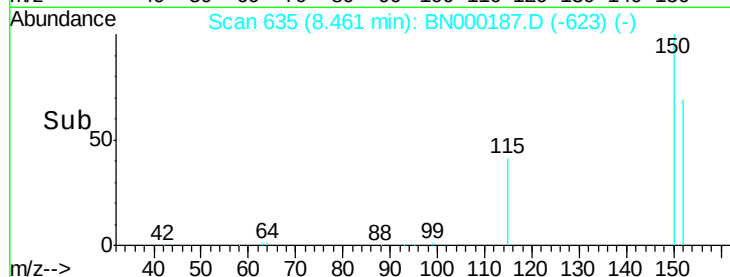
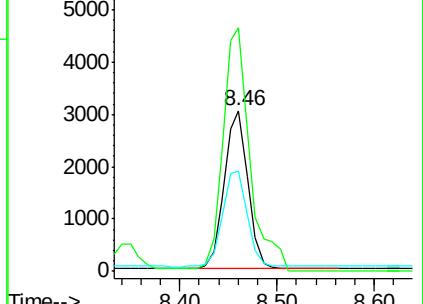
115 62.1 57.0 85.6



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: 0.392 ng

RT: 3.65 min Scan# 73

Delta R.T. -0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

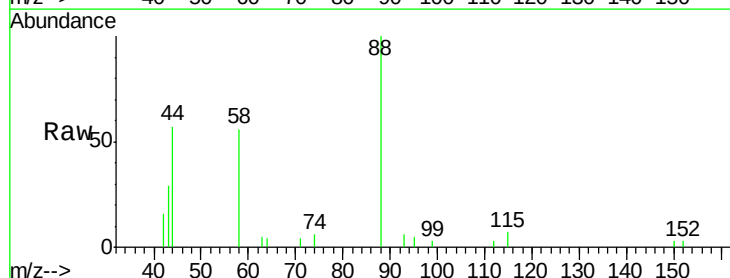
Tgt Ion: 88 Resp: 2315

Ion Ratio Lower Upper

88 100

58 68.0 48.0 72.0

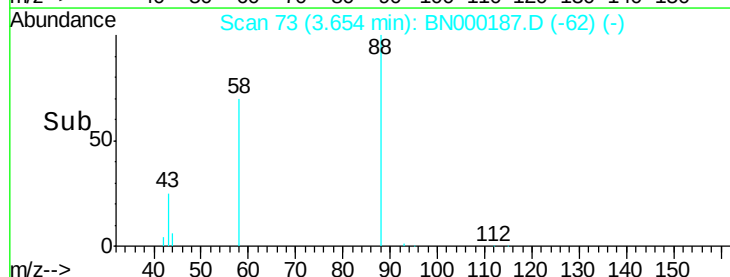
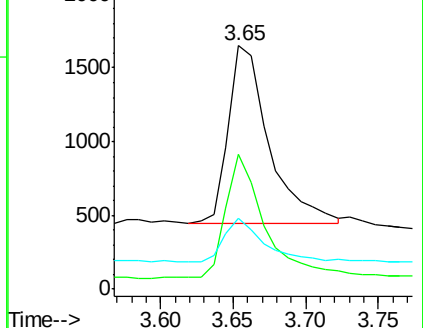
43 25.0 20.0 30.0

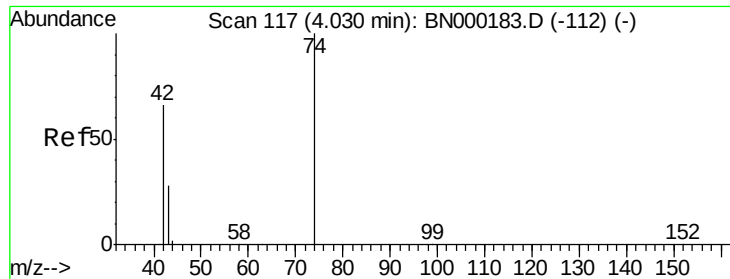


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.376 ng

RT: 4.02 min Scan# 116

Delta R.T. -0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

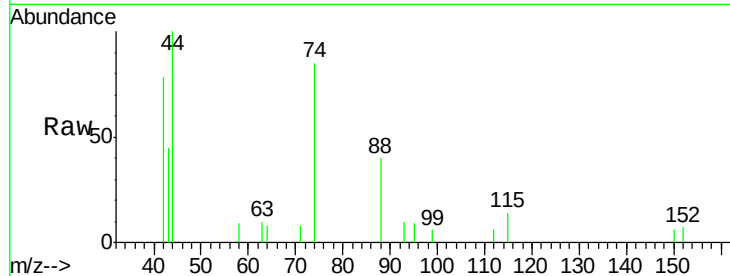
Tgt Ion: 42 Resp: 1460

Ion Ratio Lower Upper

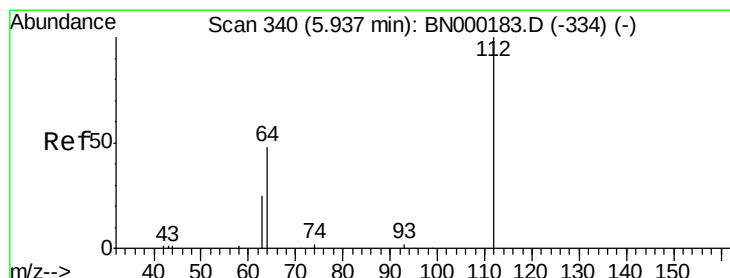
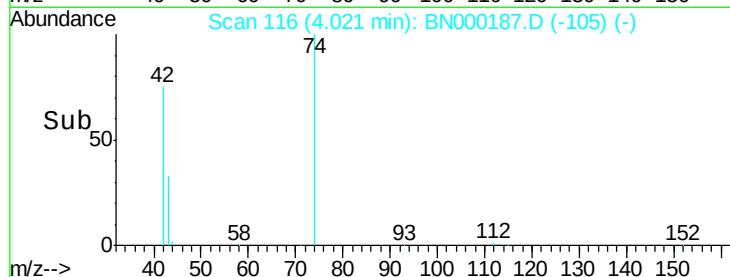
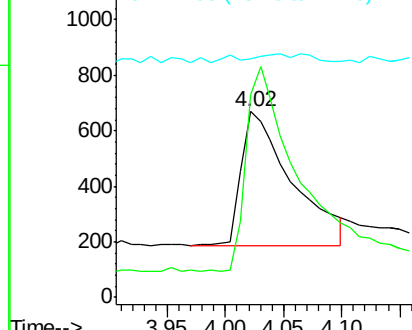
42 100

74 151.2 120.0 180.0

44 0.0 4.0 6.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.392 ng

RT: 5.93 min Scan# 339

Delta R.T. -0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

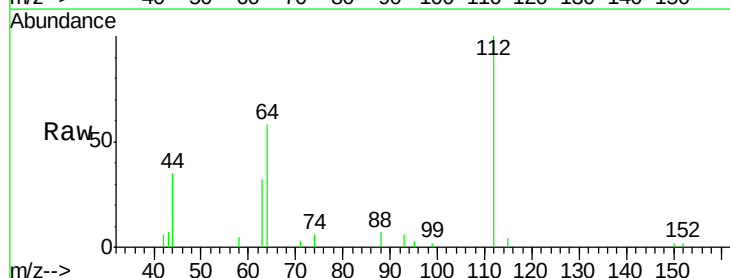
Tgt Ion: 112 Resp: 4723

Ion Ratio Lower Upper

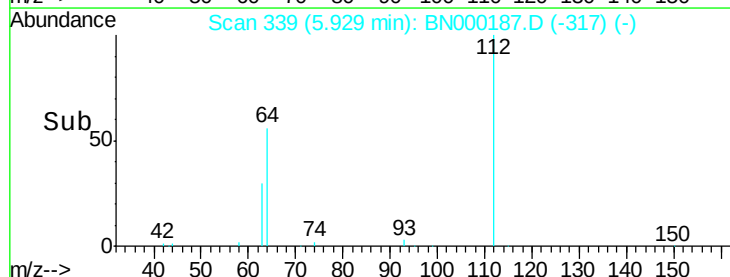
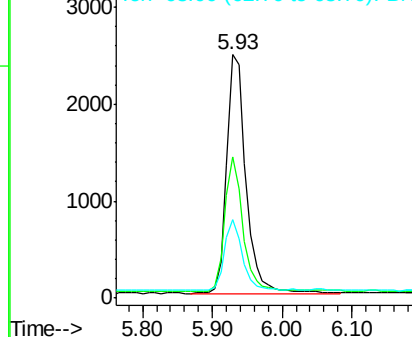
112 100

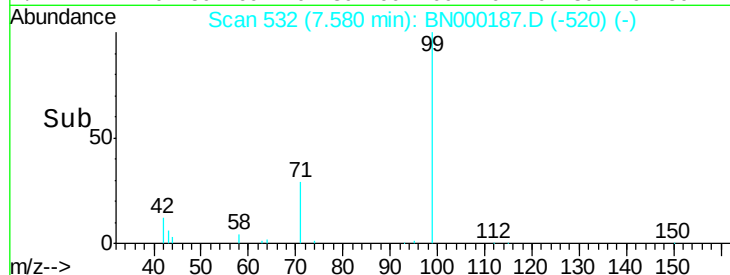
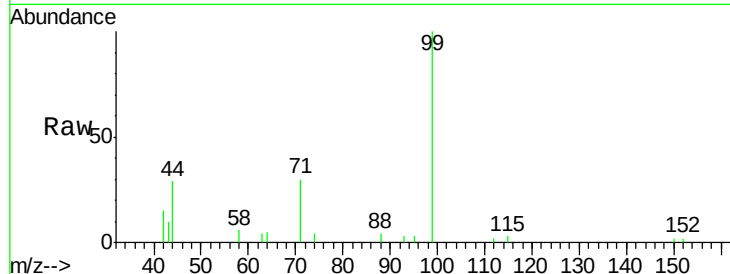
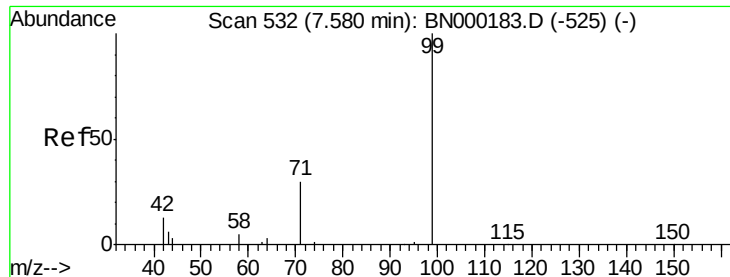
64 53.0 60.1 90.1#

63 27.6 116.8 175.2#



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





#5

Phenol-d6

Concen: 0.386 ng

RT: 7.58 min Scan# 532

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

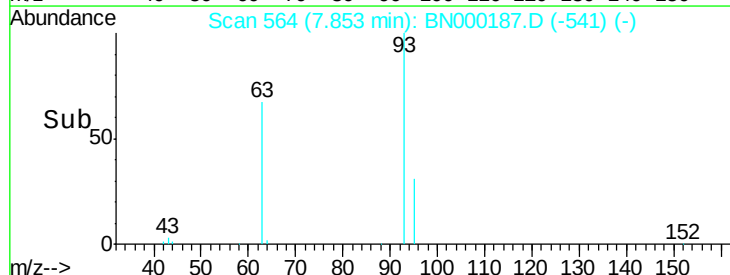
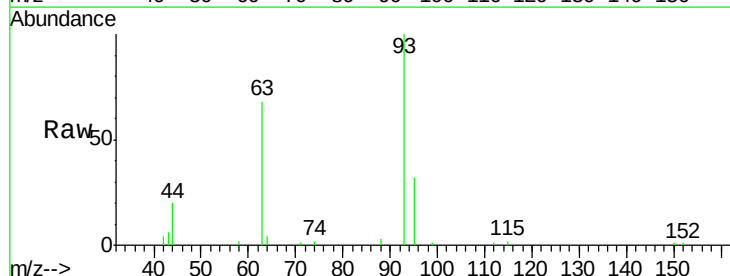
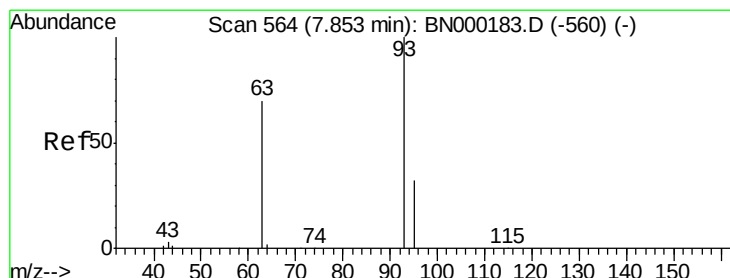
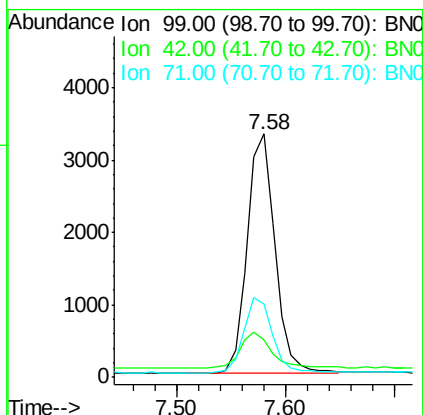
Tgt Ion: 99 Resp: 5903

Ion Ratio Lower Upper

99 100

42 16.3 20.2 30.2#

71 31.5 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.387 ng

RT: 7.85 min Scan# 564

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

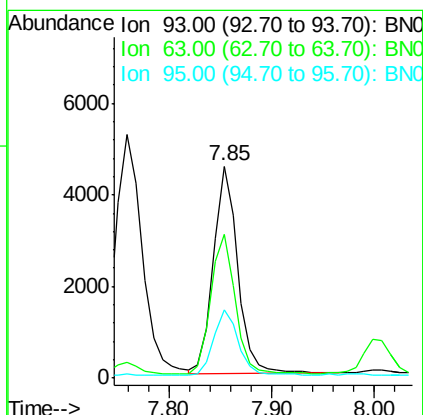
Tgt Ion: 93 Resp: 7527

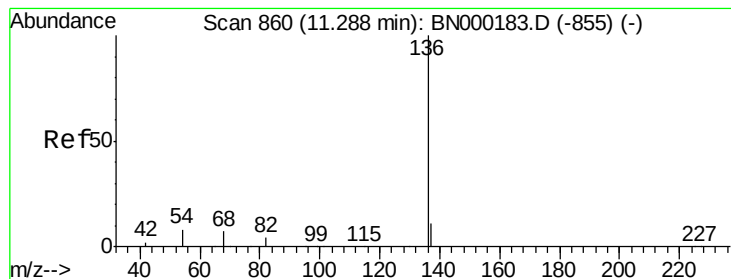
Ion Ratio Lower Upper

93 100

63 68.3 56.0 84.0

95 31.6 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 860

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

Tgt Ion:136 Resp: 20600

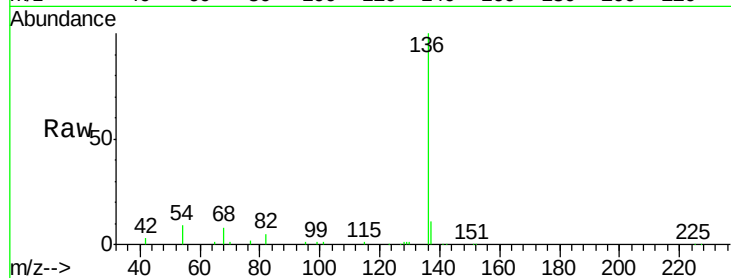
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 9.0 29.1 43.7#

68 8.4 6.2 9.2

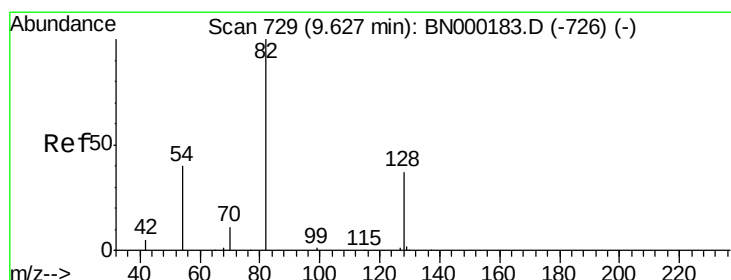
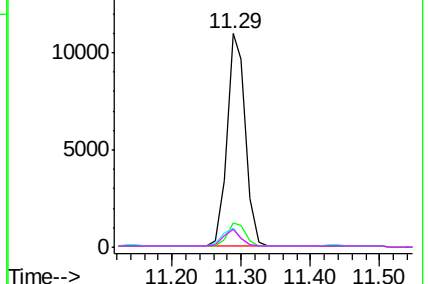
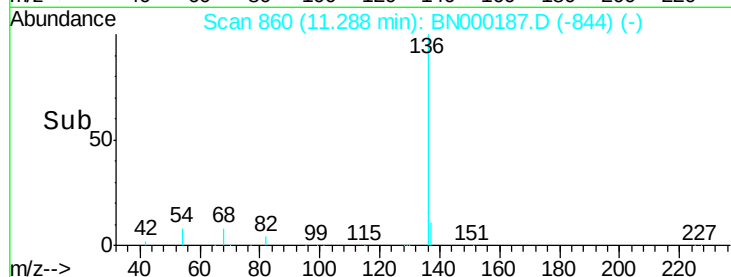


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 9.63 min Scan# 729

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

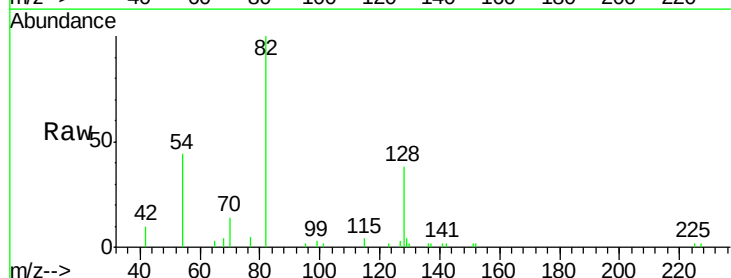
Tgt Ion: 82 Resp: 4773

Ion Ratio Lower Upper

82 100

128 37.9 150.0 225.0#

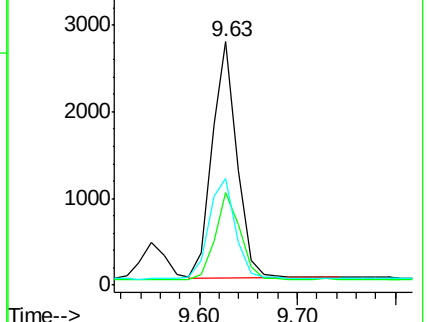
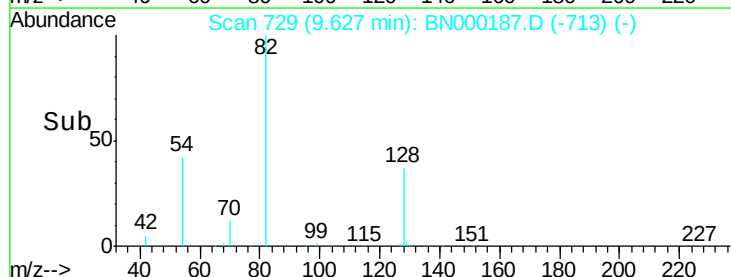
54 43.6 154.2 231.4#

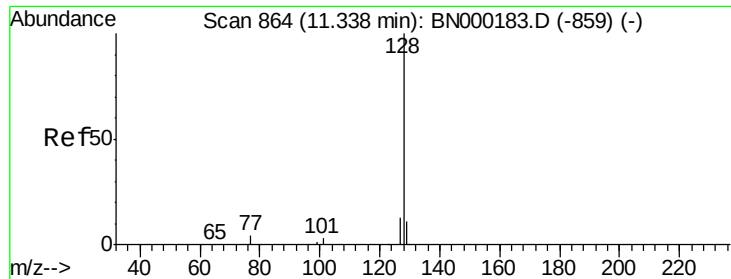


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.401 ng

RT: 11.34 min Scan# 864

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

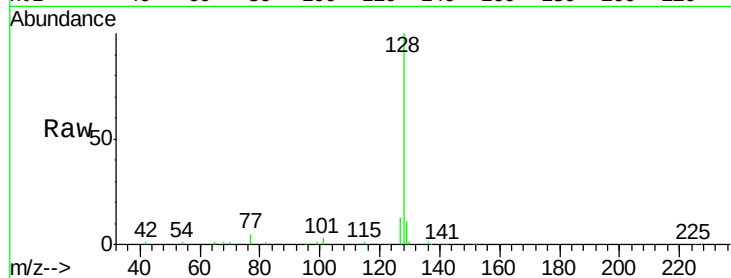
Tgt Ion:128 Resp: 24128

Ion Ratio Lower Upper

128 100

129 11.1 8.0 12.0

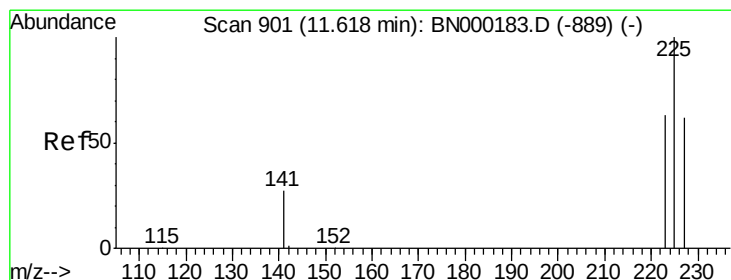
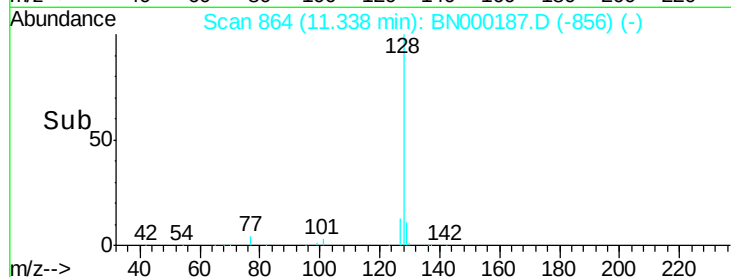
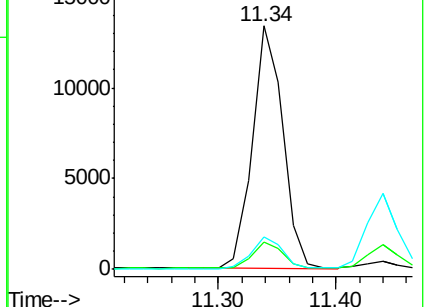
127 13.3 9.6 14.4



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: 0.407 ng

RT: 11.62 min Scan# 902

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

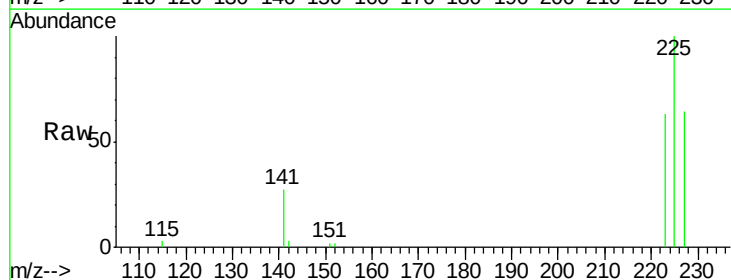
Tgt Ion:225 Resp: 4154

Ion Ratio Lower Upper

225 100

223 63.1 53.0 79.6

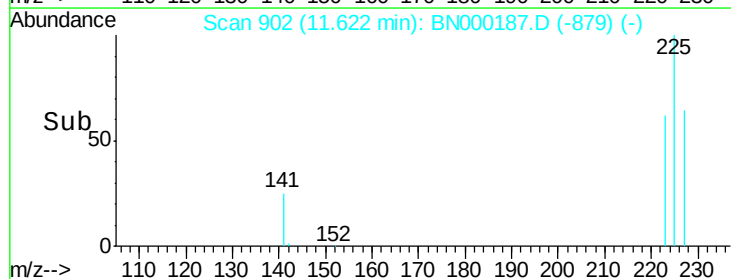
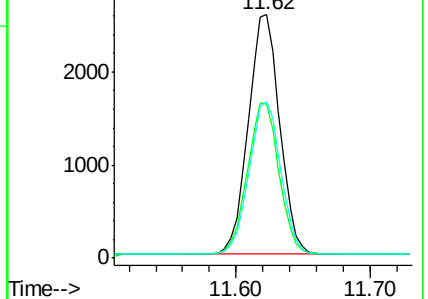
227 64.1 51.4 77.2

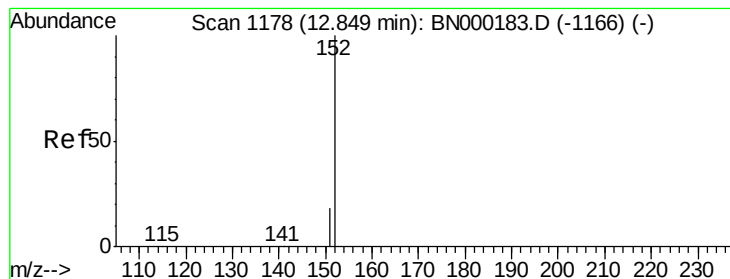


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.85 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

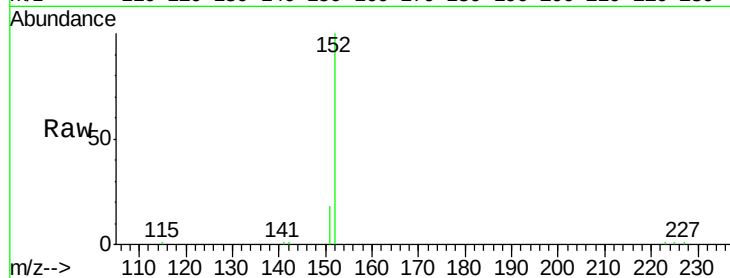
ICVBE022718

Tgt Ion:152 Resp: 12359

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

12.85

8000

6000

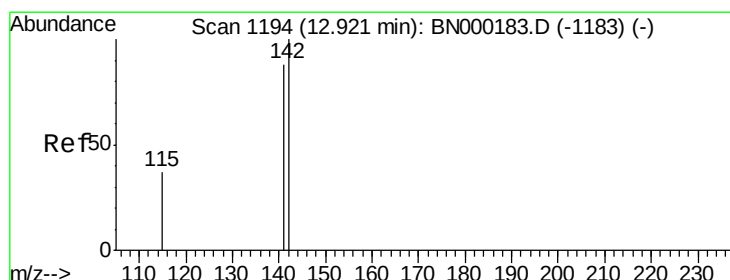
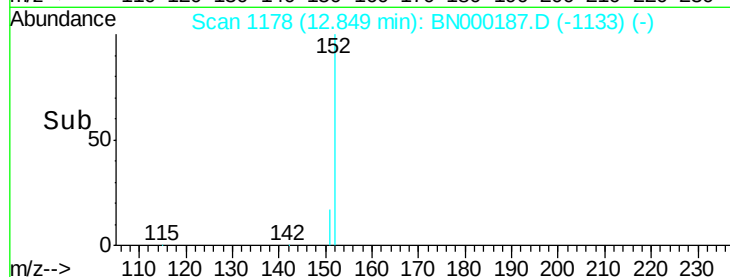
4000

2000

0

Time-->

12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.395 ng

RT: 12.92 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

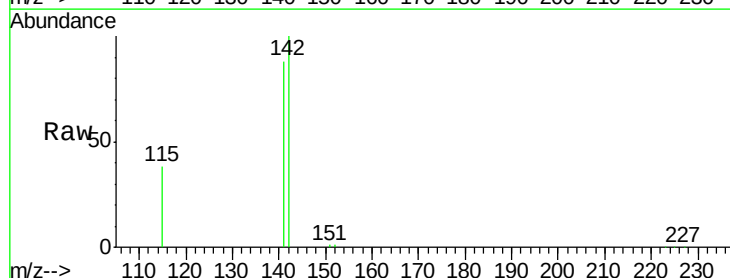
Tgt Ion:142 Resp: 15577

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

115 38.1 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

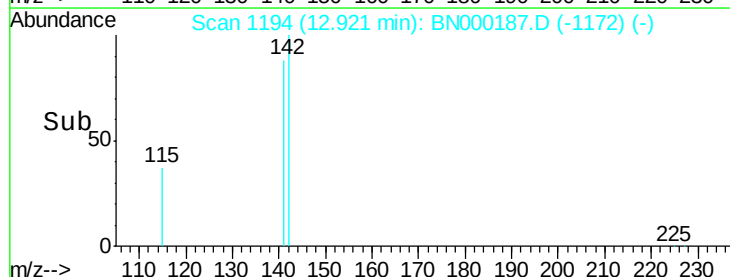
10000

5000

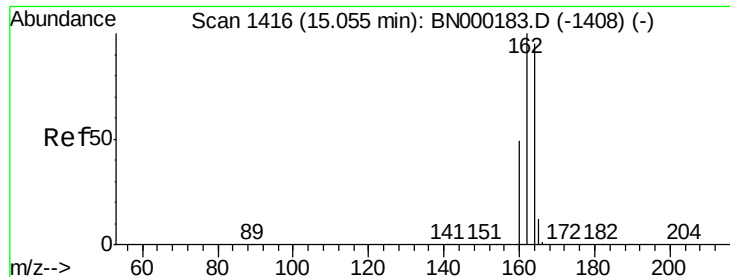
0

Time-->

12.90 13.00







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.07 min Scan# 1417

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

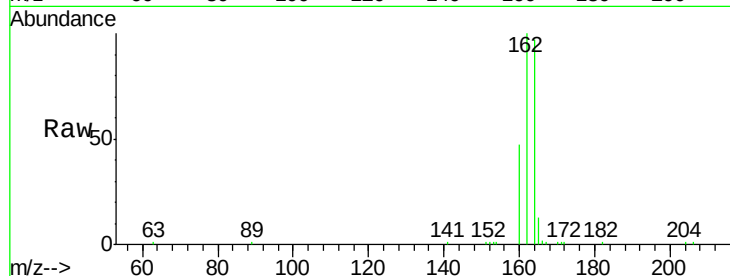
Tgt Ion:164 Resp: 10097

Ion Ratio Lower Upper

164 100

162 103.6 83.1 124.7

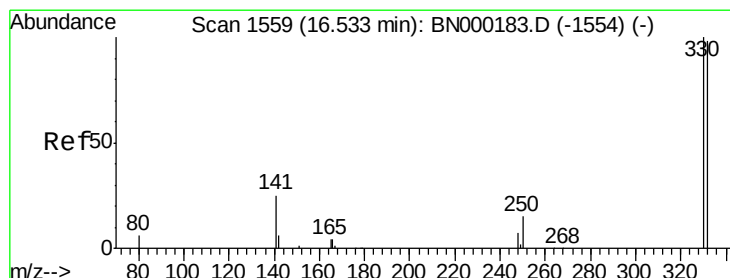
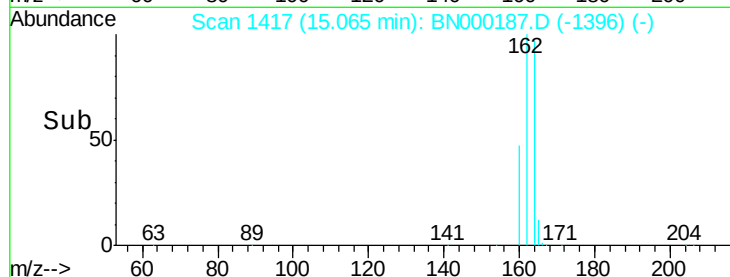
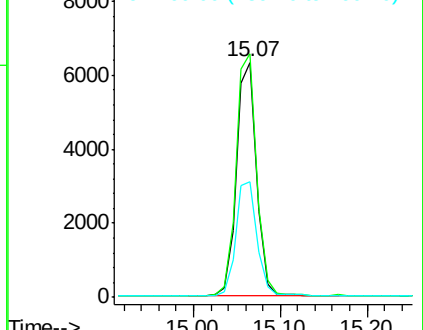
160 49.0 37.1 55.7



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: 0.399 ng

RT: 16.53 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

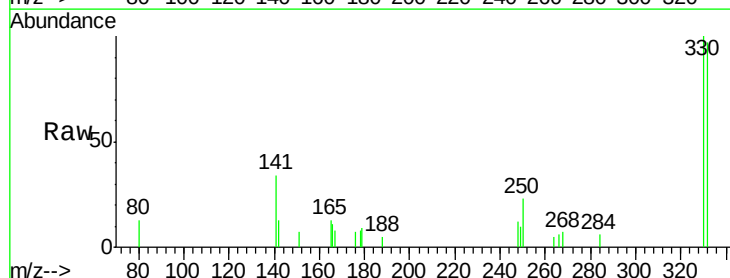
Tgt Ion:330 Resp: 1280

Ion Ratio Lower Upper

330 100

332 97.3 152.7 229.1#

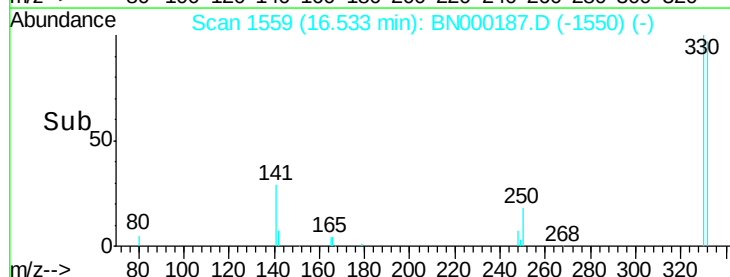
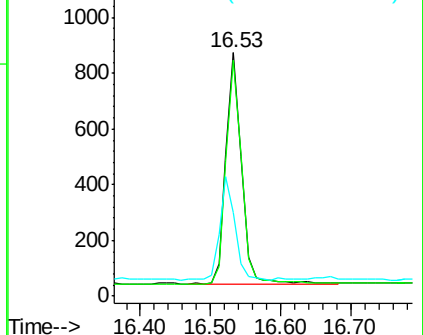
141 43.8 33.7 50.5

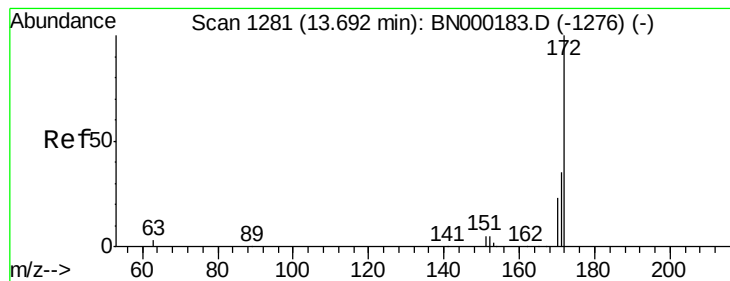


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.410 ng

RT: 13.69 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

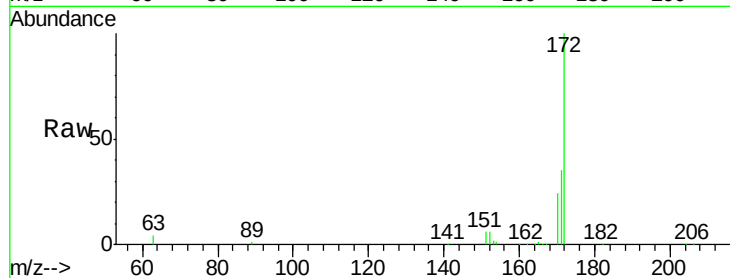
BNA\_N

ClientSampleId :

ICVBE022718

Tgt Ion:172 Resp: 19607

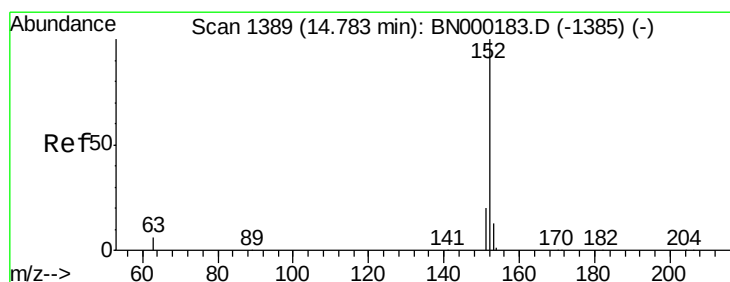
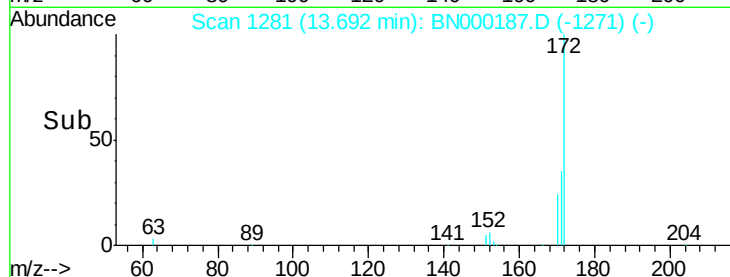
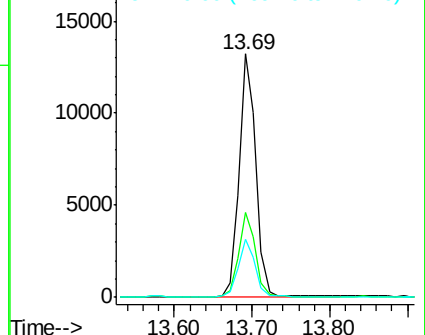
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.9  | 29.9  | 44.9  |
| 170 | 23.9  | 21.8  | 32.8  |



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: 0.378 ng

RT: 14.78 min Scan# 1389

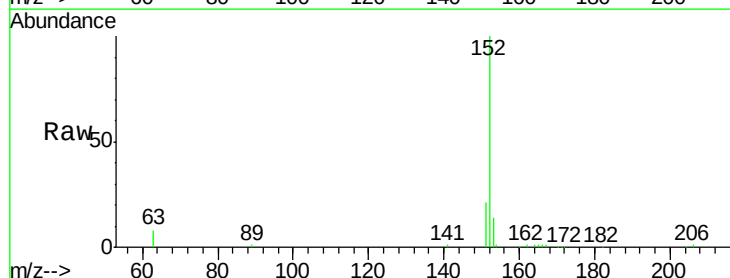
Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Tgt Ion:152 Resp: 18001

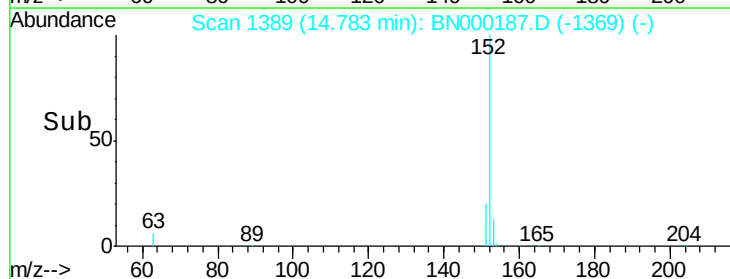
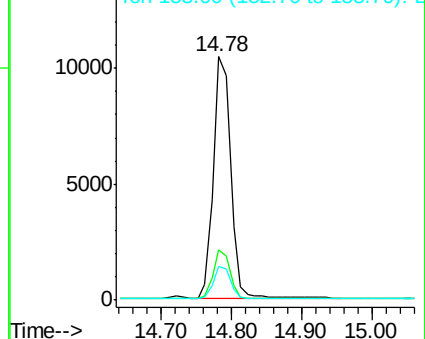
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.6  | 15.7  | 23.5  |
| 153 | 13.1  | 10.5  | 15.7  |

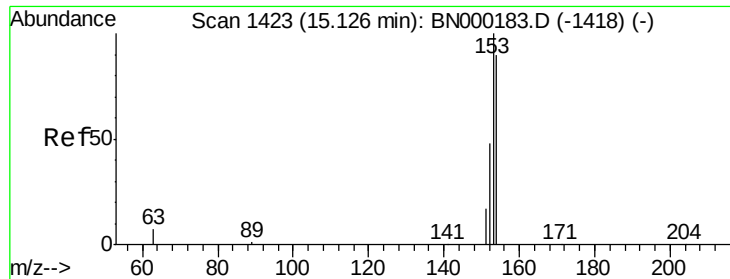


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.400 ng

RT: 15.13 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

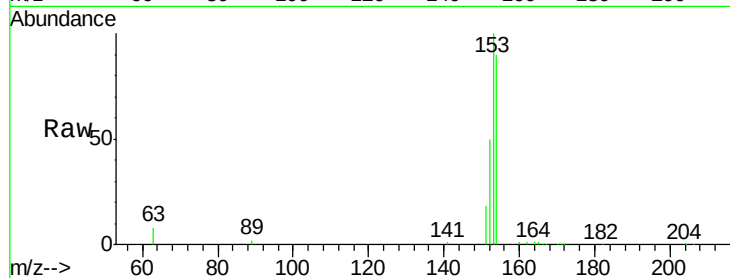
Tgt Ion:154 Resp: 14994

Ion Ratio Lower Upper

154 100

153 112.7 89.2 133.8

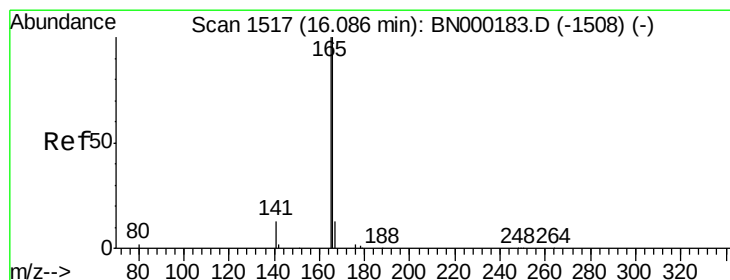
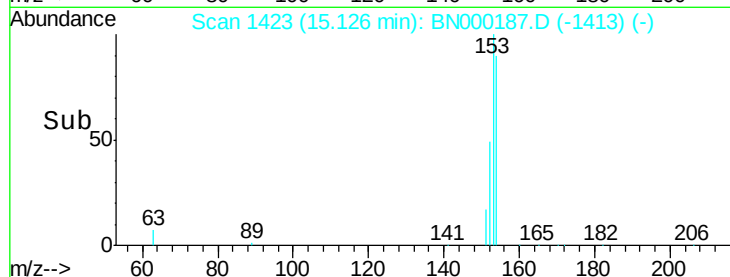
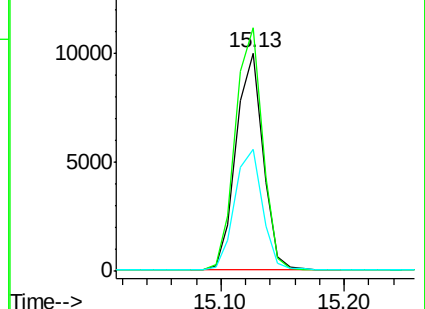
152 57.2 42.0 63.0



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: 0.393 ng

RT: 16.10 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

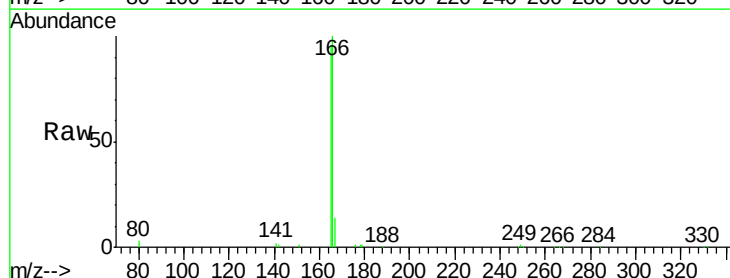
Tgt Ion:166 Resp: 18414

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

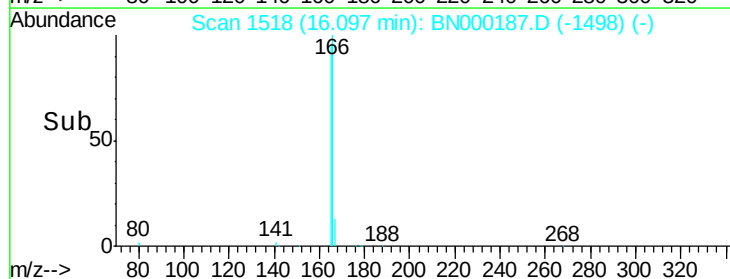
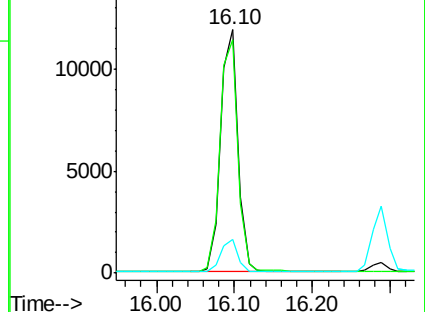
167 13.4 42.4 63.6#

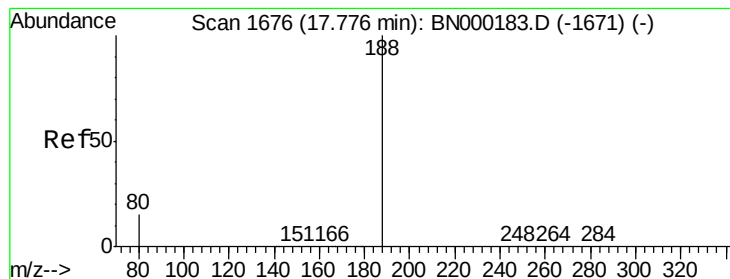


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.78 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

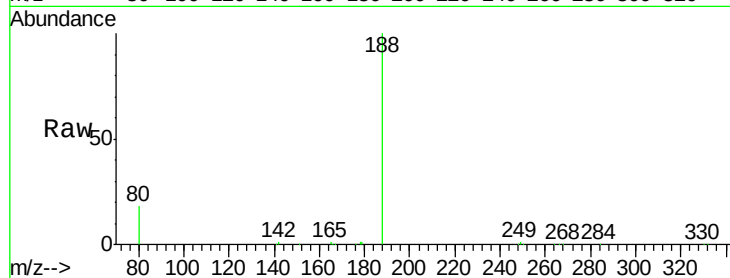
Tgt Ion:188 Resp: 23112

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

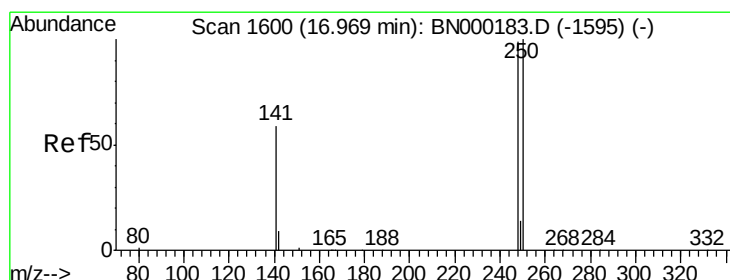
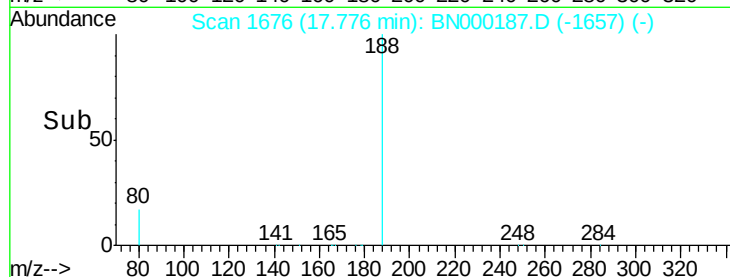
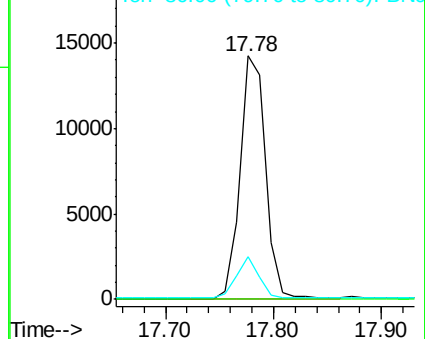
80 17.5 3.6 5.4#



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: 0.390 ng

RT: 16.97 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

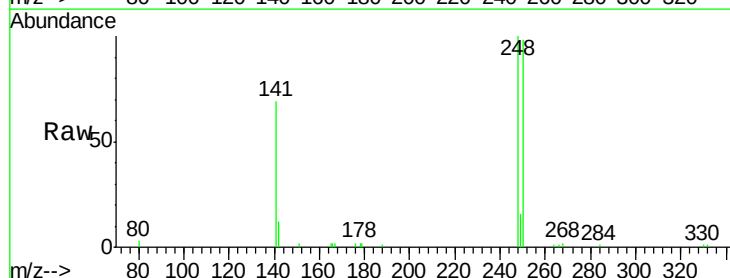
Tgt Ion:248 Resp: 5196

Ion Ratio Lower Upper

248 100

250 98.1 62.7 94.1#

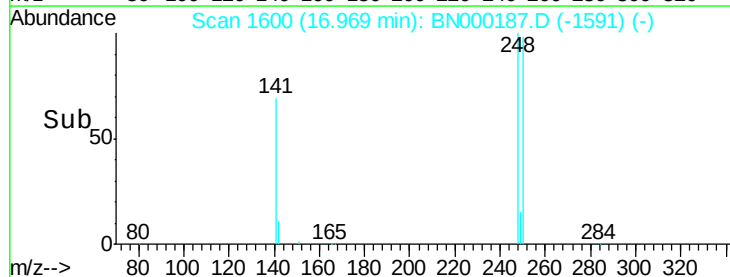
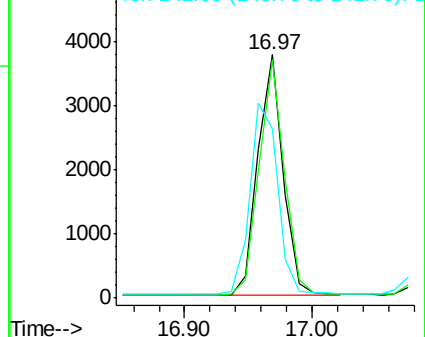
141 69.4 48.2 72.2

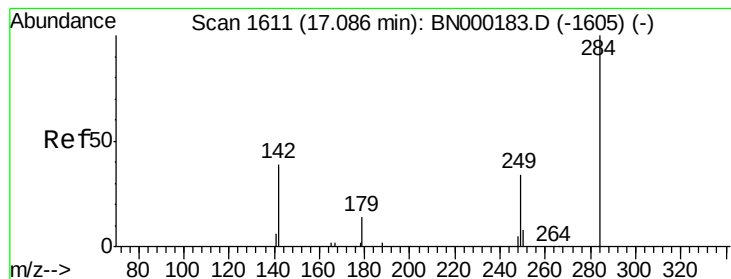


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.400 ng

RT: 17.10 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

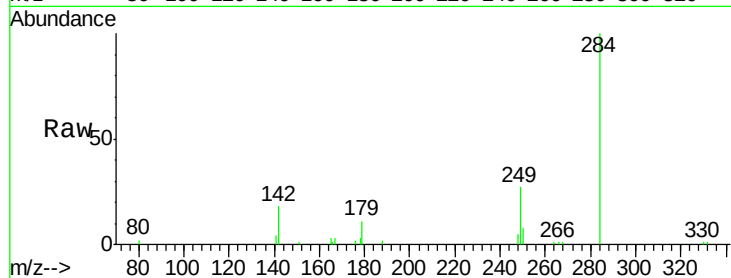
Tgt Ion:284 Resp: 7132

Ion Ratio Lower Upper

284 100

142 42.4 32.0 48.0

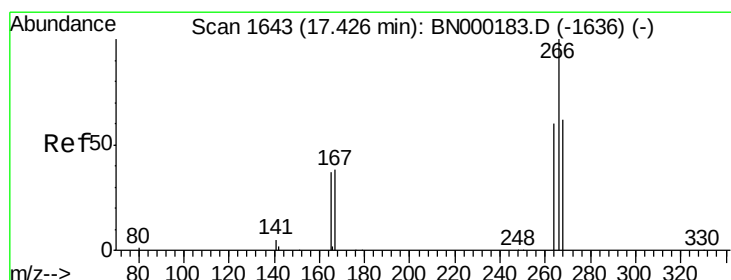
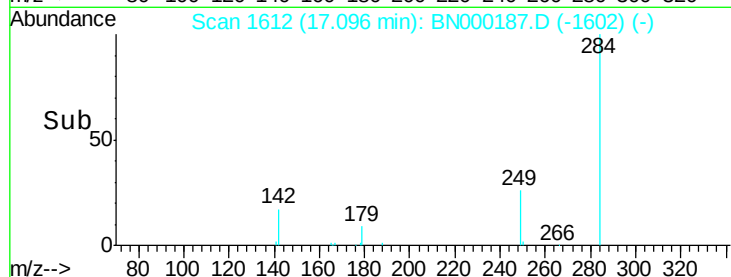
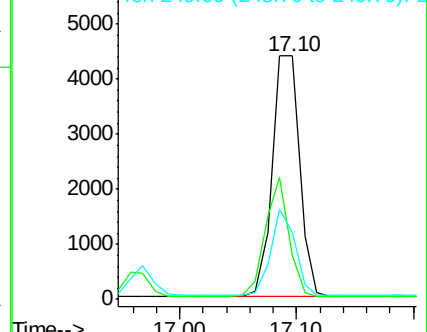
249 31.7 24.0 36.0



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: 0.380 ng

RT: 17.43 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

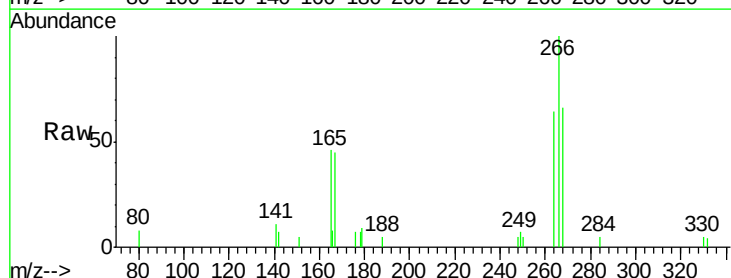
Tgt Ion:266 Resp: 1587

Ion Ratio Lower Upper

266 100

264 63.8 48.0 72.0

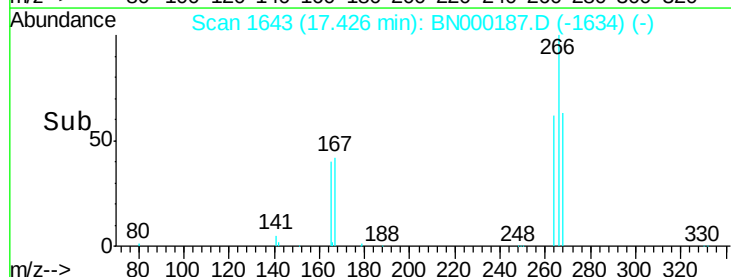
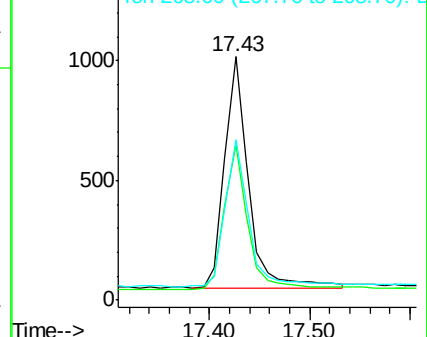
268 66.0 52.0 78.0

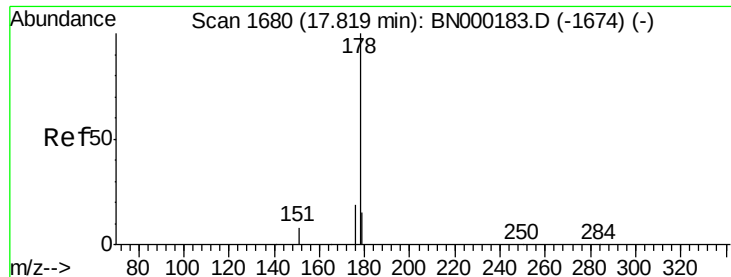


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.395 ng

RT: 17.82 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

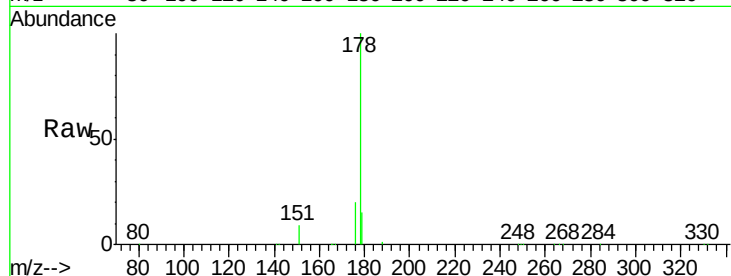
Tgt Ion:178 Resp: 32120

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

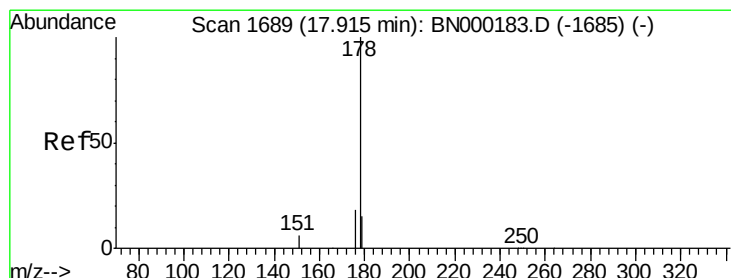
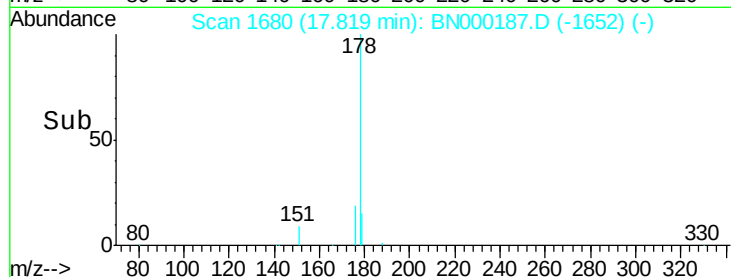
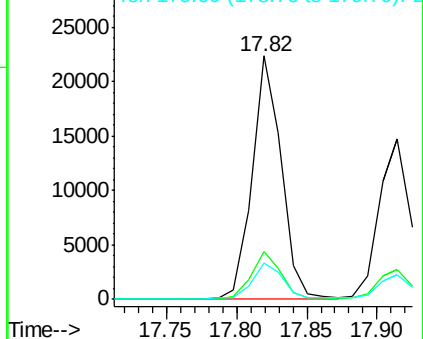
179 15.4 11.8 17.6



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: 0.378 ng

RT: 17.91 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

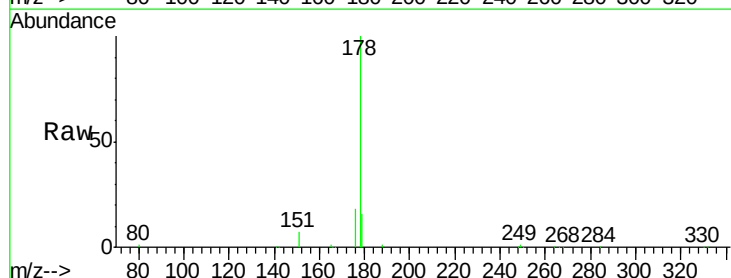
Tgt Ion:178 Resp: 23295

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

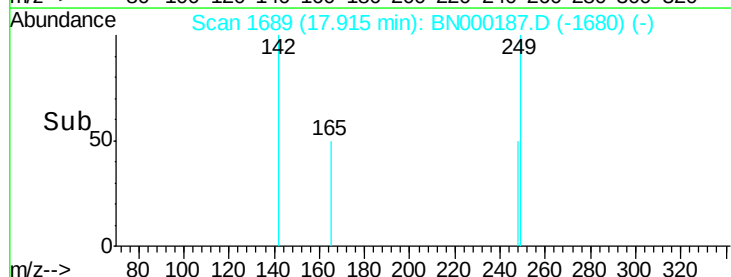
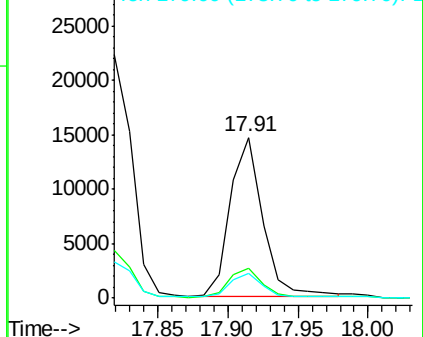
179 15.3 13.0 19.6

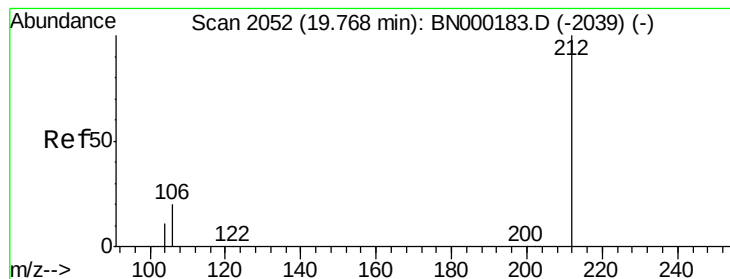


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.77 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

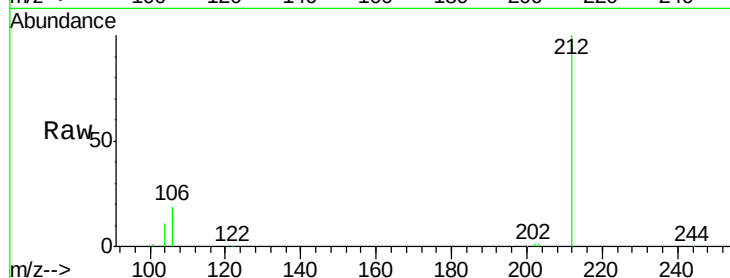
Tgt Ion:212 Resp: 23898

Ion Ratio Lower Upper

212 100

106 19.0 2.8 4.2#

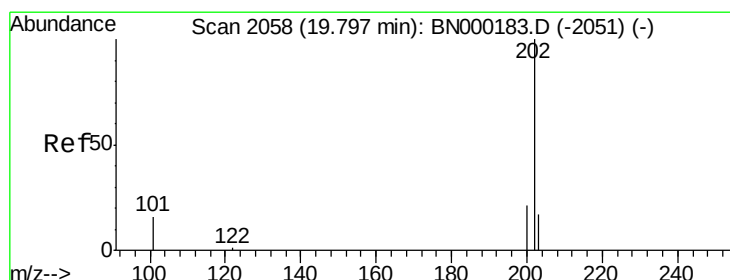
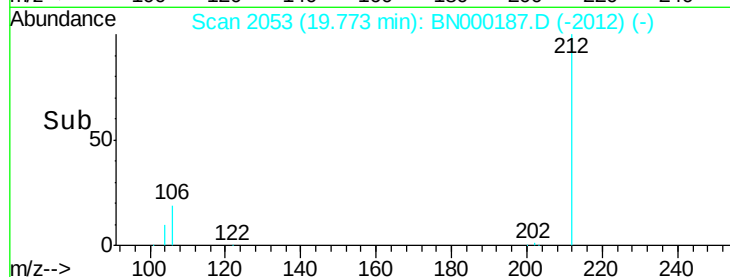
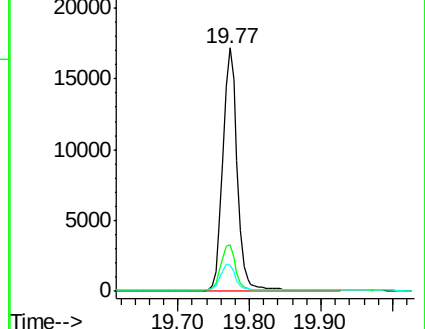
104 10.7 1.6 2.4#



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: 0.382 ng

RT: 19.80 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

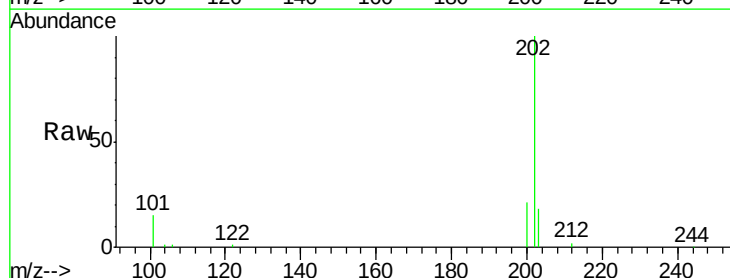
Tgt Ion:202 Resp: 32255

Ion Ratio Lower Upper

202 100

101 15.5 9.8 14.8#

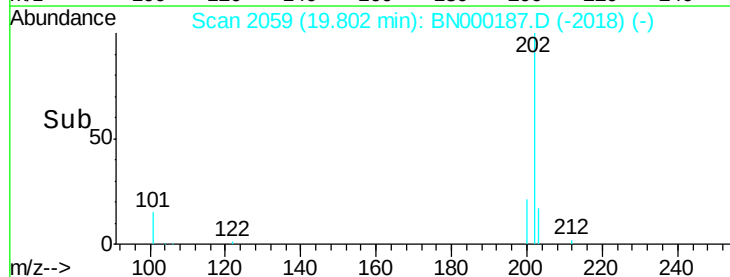
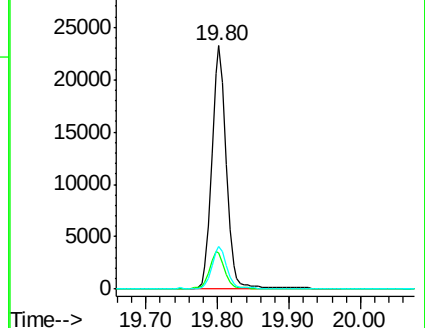
203 16.9 13.7 20.5

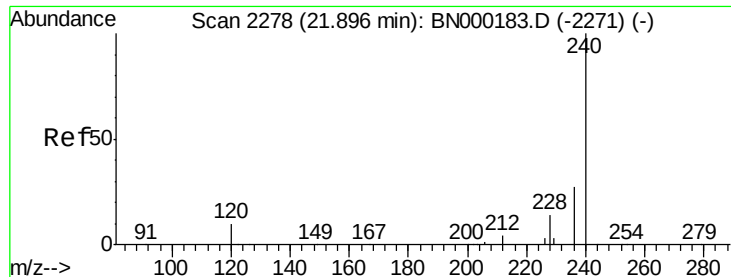


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

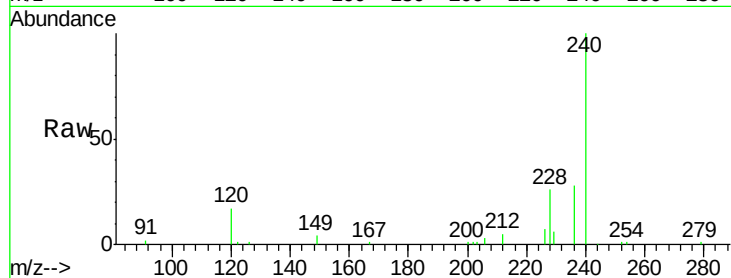
Tgt Ion:240 Resp: 20895

Ion Ratio Lower Upper

240 100

120 17.0 5.5 8.3#

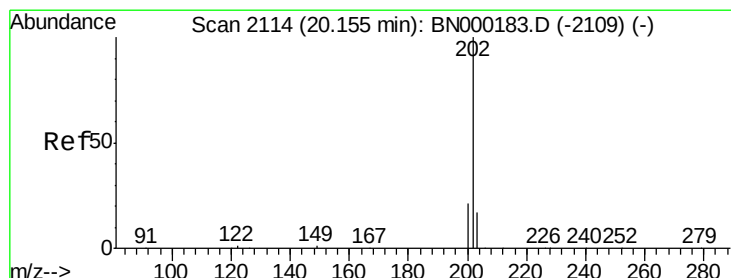
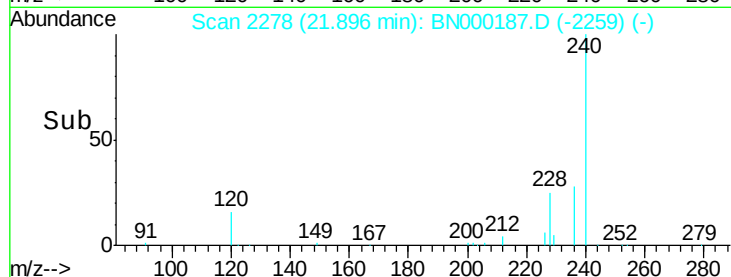
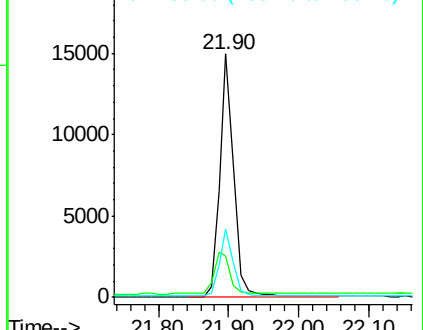
236 28.1 20.7 31.1



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: 0.402 ng

RT: 20.15 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

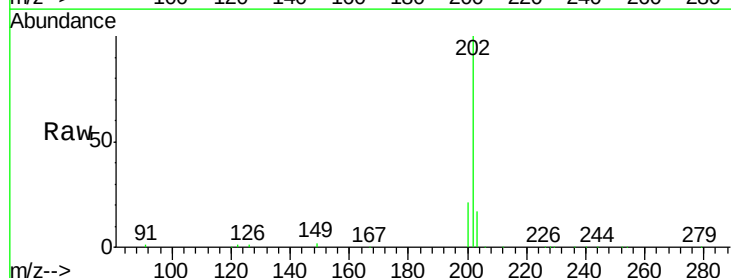
Tgt Ion:202 Resp: 32946

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

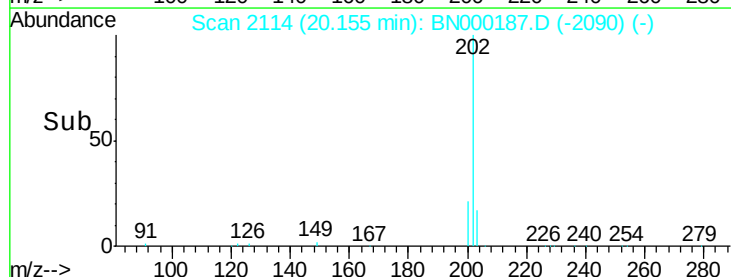
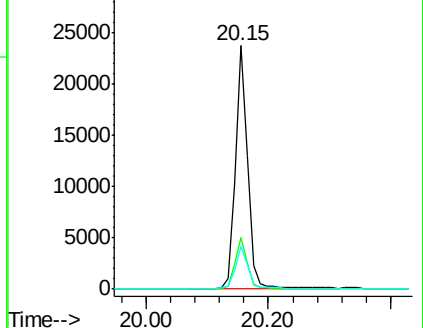
203 17.3 13.8 20.8



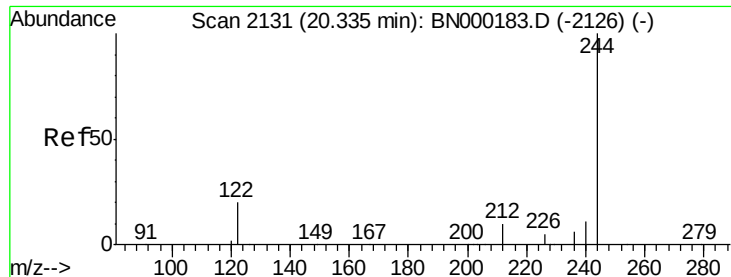
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.411 ng

RT: 20.35 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

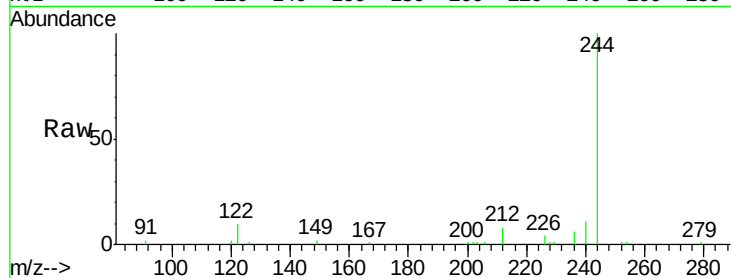
Tgt Ion:244 Resp: 15091

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

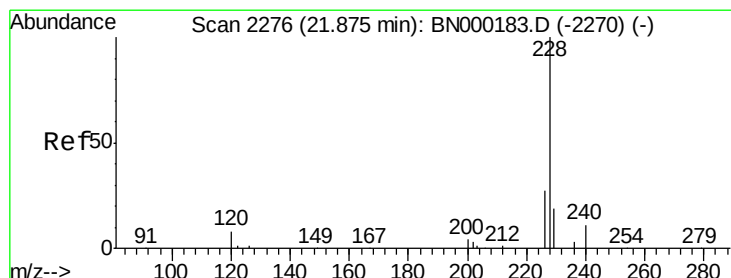
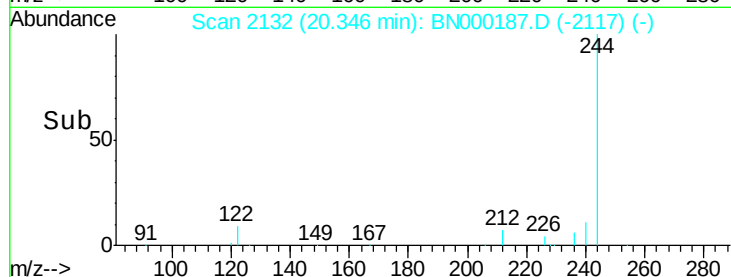
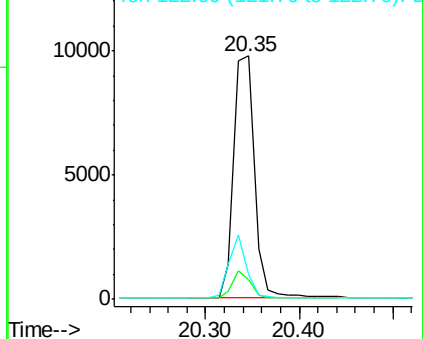
122 9.9 8.1 12.1



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: 0.382 ng

RT: 21.88 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

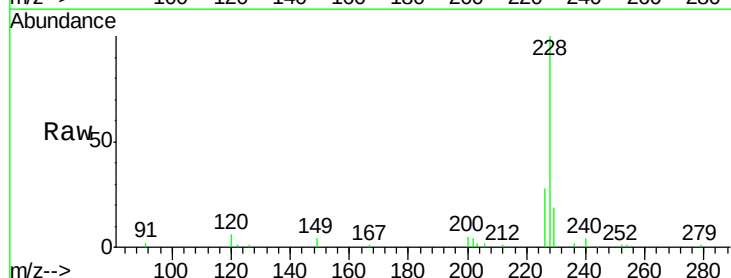
Tgt Ion:228 Resp: 25161

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

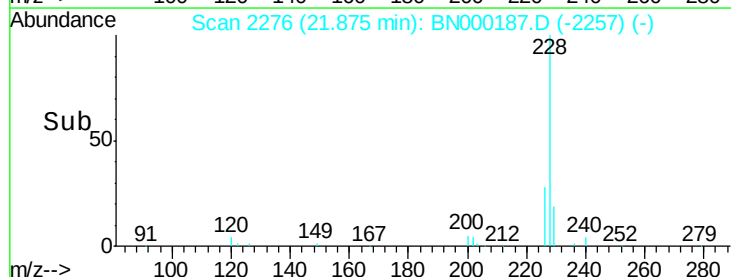
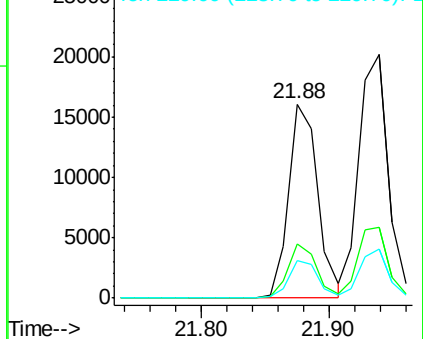
229 19.1 16.0 24.0

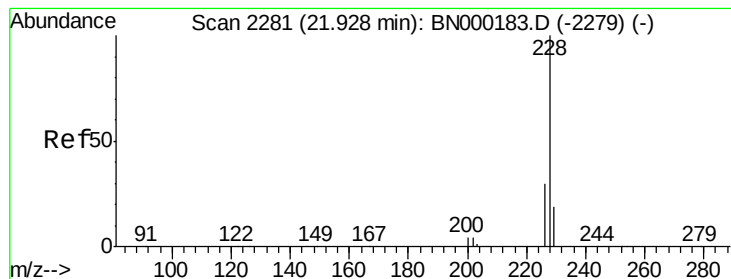


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.413 ng

RT: 21.94 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

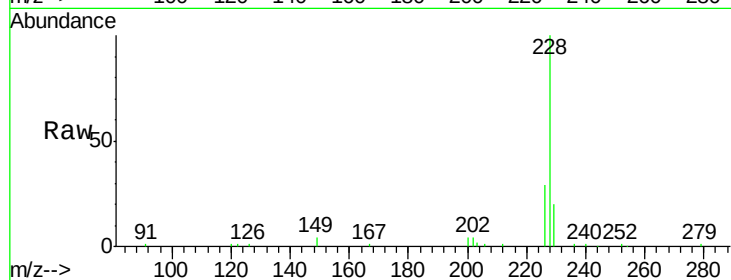
Tgt Ion:228 Resp: 31783

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

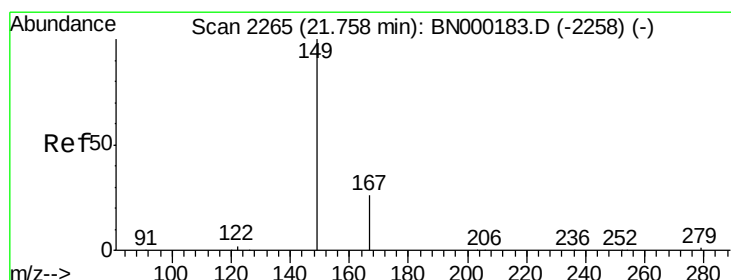
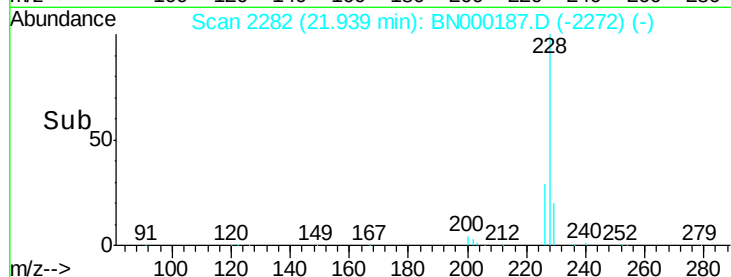
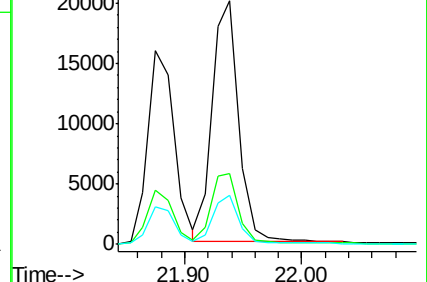
229 20.1 16.0 24.0



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: 0.375 ng

RT: 21.77 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

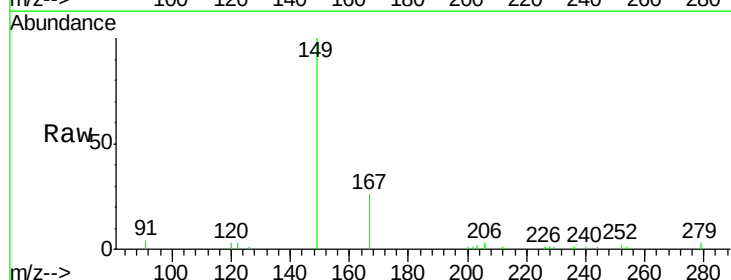
Tgt Ion:149 Resp: 9196

Ion Ratio Lower Upper

149 100

167 26.1 20.0 30.0

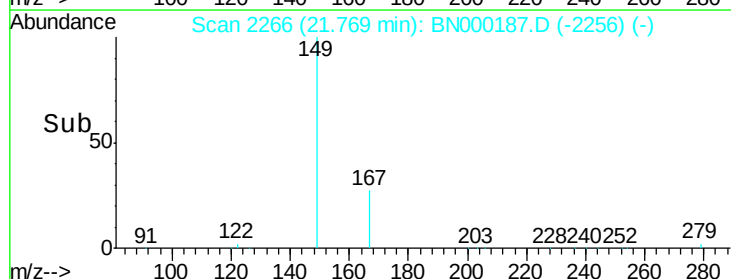
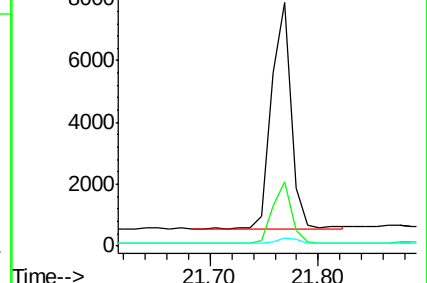
279 2.3 1.6 2.4

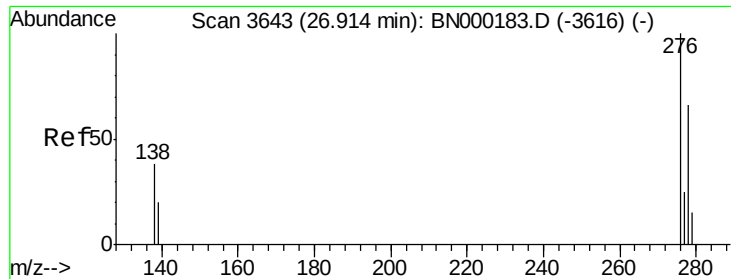


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.435 ng

RT: 26.93 min Scan# 3647

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

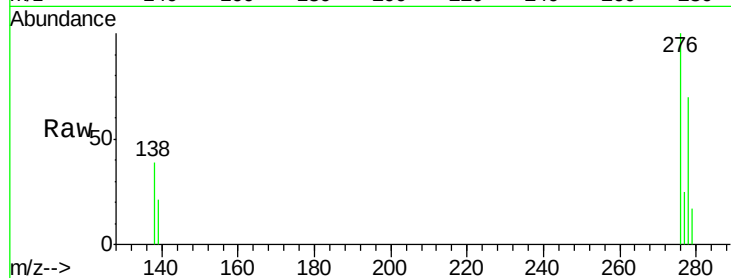
Tgt Ion:276 Resp: 31233

Ion Ratio Lower Upper

276 100

138 38.6 22.5 33.7#

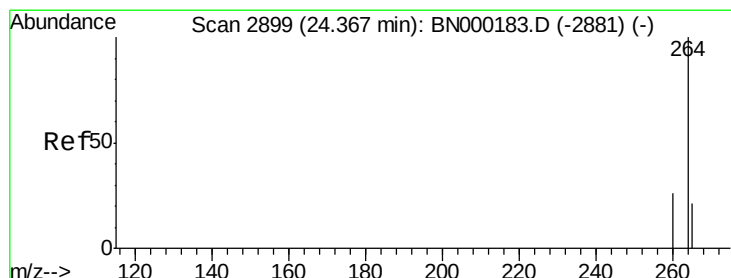
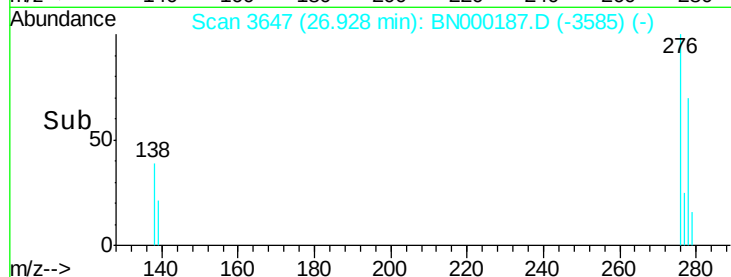
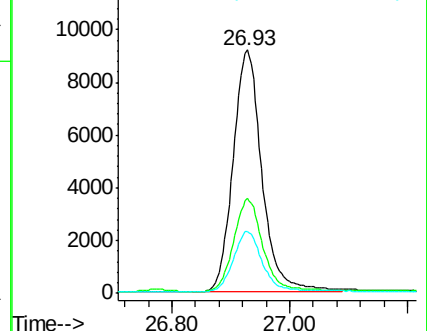
277 25.1 19.9 29.9



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: 24.37 min Scan# 2901

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

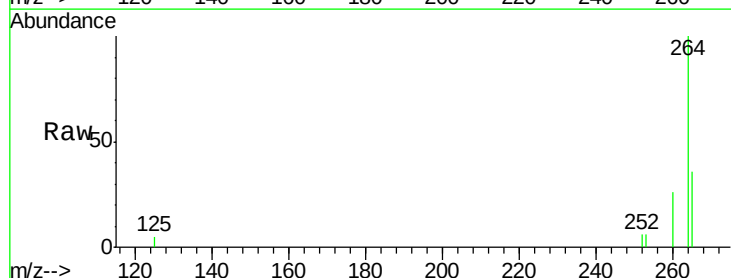
Tgt Ion:264 Resp: 17656

Ion Ratio Lower Upper

264 100

260 26.3 20.5 30.7

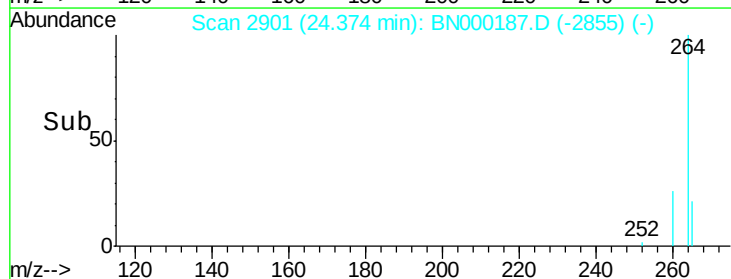
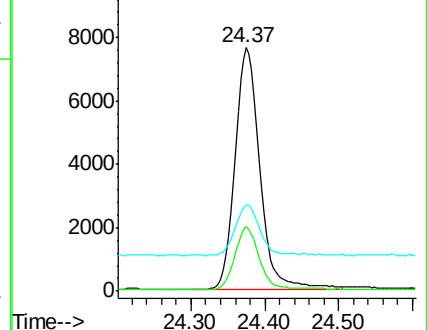
265 35.5 22.8 34.2#

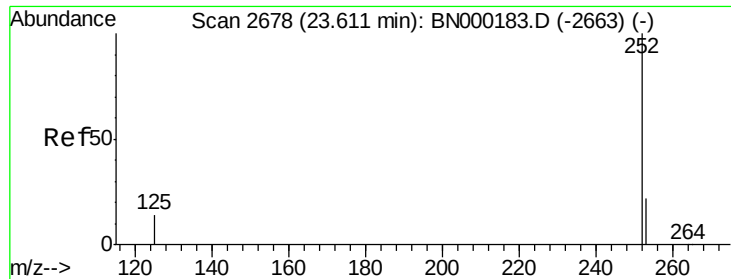


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 23.62 min Scan# 2680

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

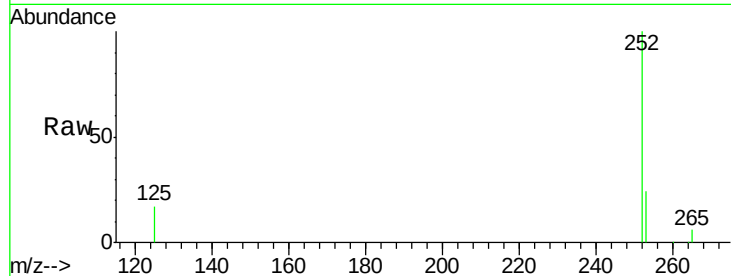
Tgt Ion:252 Resp: 32646

Ion Ratio Lower Upper

252 100

253 23.7 20.0 30.0

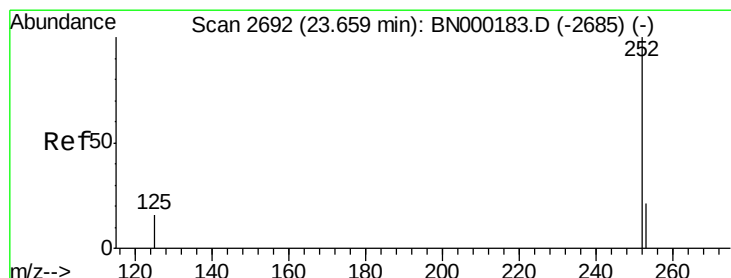
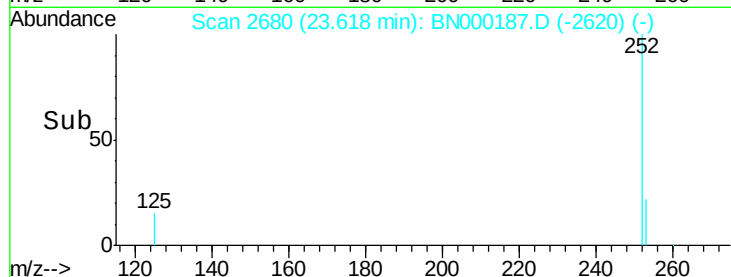
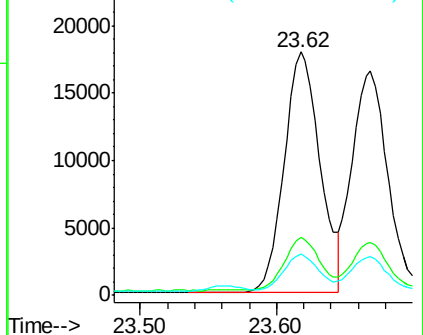
125 16.8 16.0 24.0



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



#36

Benzo(k)fluoranthene

Concen: 0.391 ng

RT: 23.67 min Scan# 2695

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

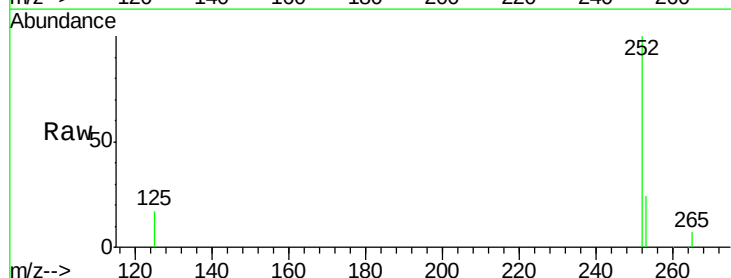
Tgt Ion:252 Resp: 30802

Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

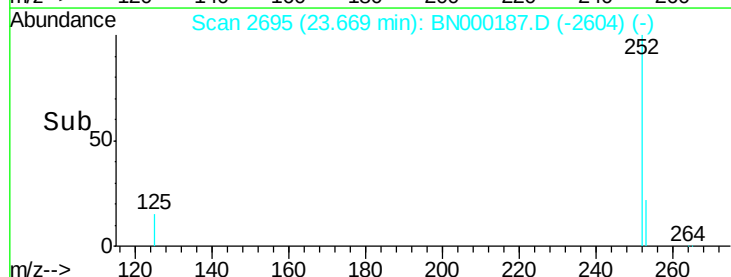
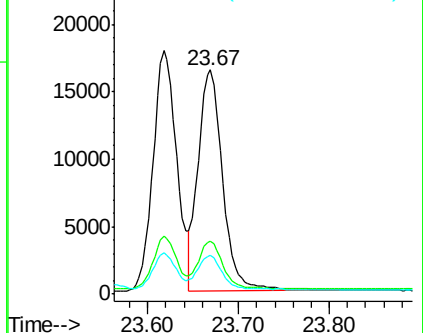
125 17.2 8.0 12.0#

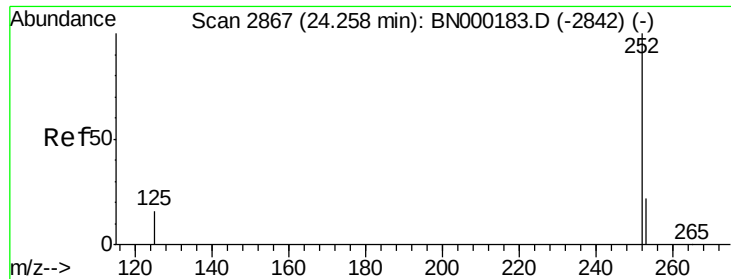


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.396 ng

RT: 24.26 min Scan# 2869

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718

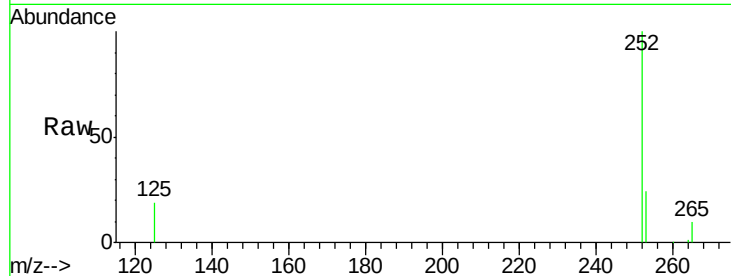
Tgt Ion:252 Resp: 26004

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

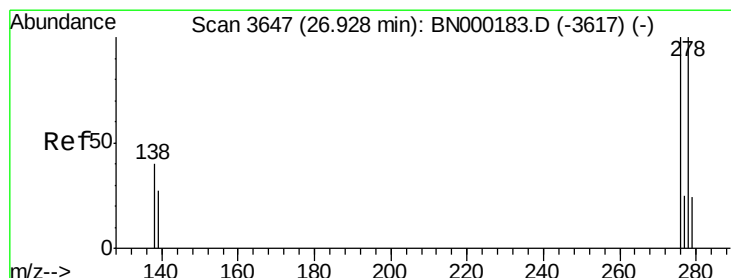
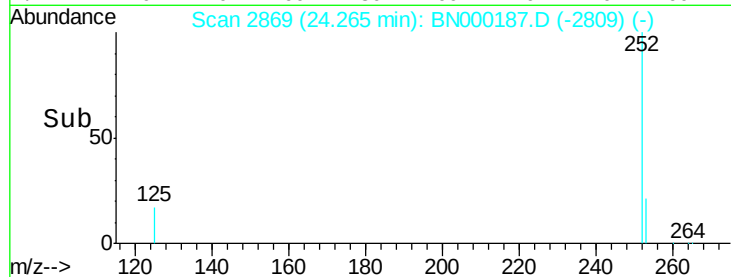
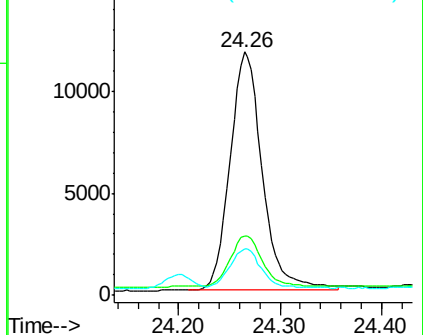
125 19.2 12.0 18.0#



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: 0.429 ng

RT: 26.94 min Scan# 3650

Delta R.T. 0.01 min

Lab File: BN000187.D

Acq: 27 Feb 2018 12:42

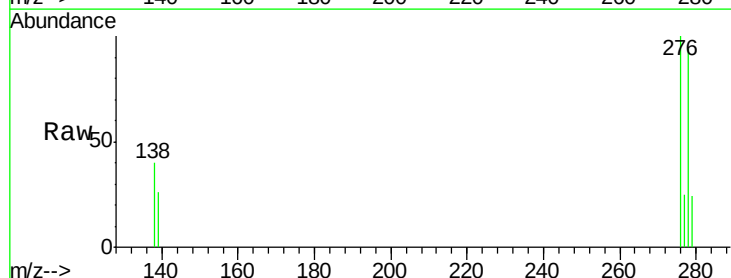
Tgt Ion:278 Resp: 25087

Ion Ratio Lower Upper

278 100

139 28.2 16.0 24.0#

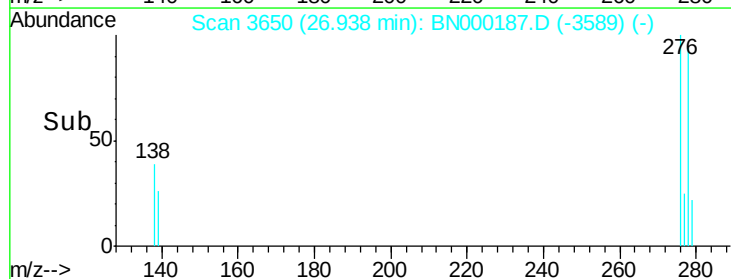
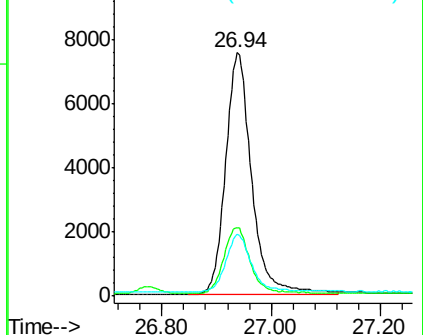
279 25.2 20.0 30.0

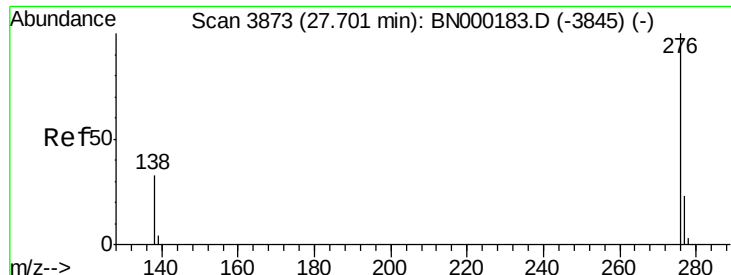


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.397 ng

RT: 27.71 min Scan# 3876

Delta R.T. 0.01 min

Lab File: BN000187.D

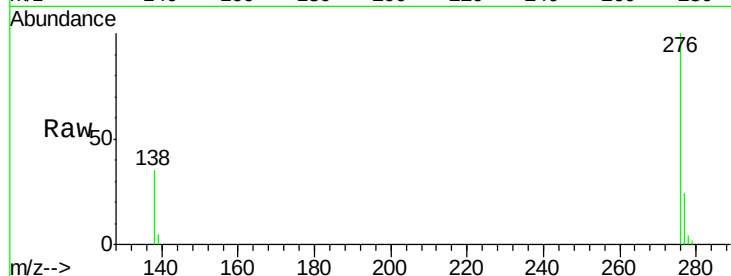
Acq: 27 Feb 2018 12:42

Instrument :

BNA\_N

ClientSampleId :

ICVBE022718



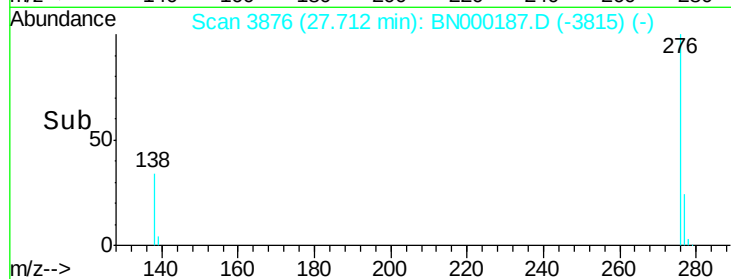
Tgt Ion: 276 Resp: 27418

Ion Ratio Lower Upper

276 100

277 24.2 16.0 24.0#

138 34.7 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

