

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN040219\  
 Data File : BN005062.D  
 Acq On : 02 Apr 2019 15:21  
 Operator : JU/SJ  
 Sample : K2073-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 P001-TW001-03MSD

Quant Time: Apr 03 01:57:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 29 03:42:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 2802     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 11737    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.30 | 164  | 6423     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.06 | 188  | 14390    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 15013    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.50 | 264  | 13616    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.26  | 112 | 1322  | 0.19 | ng | 0.00  |
| 5) Phenol-d6                | 6.85  | 99  | 1006  | 0.12 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 2724  | 0.40 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 9323  | 0.51 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1355  | 0.38 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 11227 | 0.46 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 16801 | 0.41 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 14402 | 0.47 | ng | 0.00  |

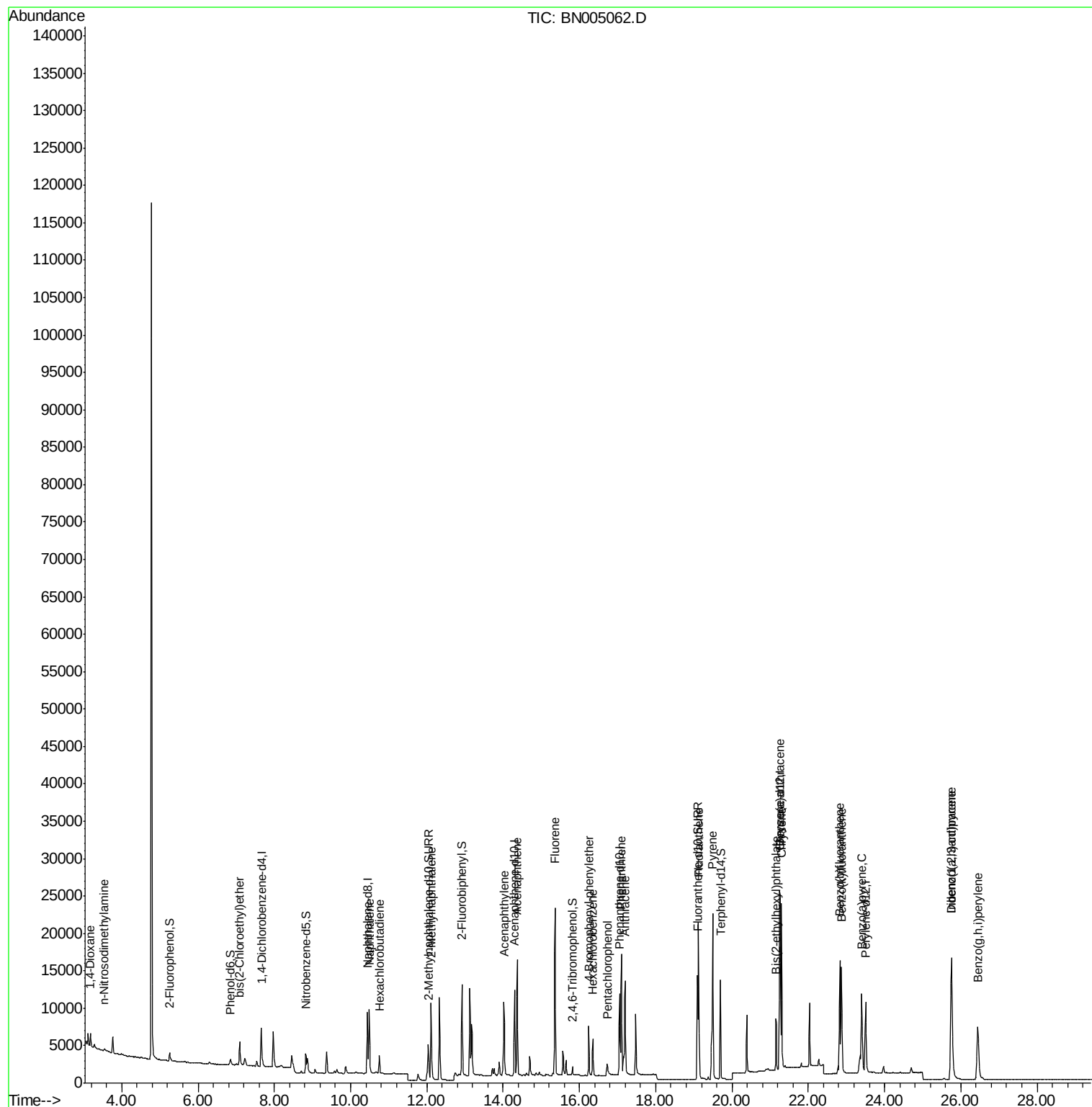
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 1075  | 0.357  | ng | # 83  |
| 3) n-Nitrosodimethylamine      | 3.54  | 42  | 282   | 0.153  | ng | 90    |
| 6) bis(2-Chloroethyl)ether     | 7.10  | 93  | 3018  | 0.386  | ng | 96    |
| 9) Naphthalene                 | 10.49 | 128 | 11921 | 0.404  | ng | 100   |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 1970  | 0.360  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 8480  | 0.398  | ng | 98    |
| 16) Acenaphthylene             | 14.02 | 152 | 11715 | 0.386  | ng | 99    |
| 17) Acenaphthene               | 14.37 | 154 | 7963  | 0.414  | ng | 99    |
| 18) Fluorene                   | 15.36 | 166 | 10578 | 0.409  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 3440  | 0.418  | ng | 99    |
| 21) Hexachlorobenzene          | 16.36 | 284 | 3914  | 0.430  | ng | 98    |
| 22) Pentachlorophenol          | 16.73 | 266 | 1524  | 0.852  | ng | 96    |
| 23) Phenanthrene               | 17.10 | 178 | 17200 | 0.427  | ng | 100   |
| 24) Anthracene                 | 17.20 | 178 | 15207 | 0.424  | ng | 100   |
| 26) Fluoranthene               | 19.13 | 202 | 19743 | 0.400  | ng | 100   |
| 28) Pyrene                     | 19.49 | 202 | 20391 | 0.478  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 18322 | 0.433  | ng | 99    |
| 31) Chrysene                   | 21.30 | 228 | 18672 | 0.409  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 7043  | 0.397  | ng | 100   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.75 | 276 | 20101 | 0.392  | ng | 100   |
| 35) Benzo(b)fluoranthene       | 22.83 | 252 | 18678 | 0.428  | ng | 99    |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 19050 | 0.452  | ng | 99    |
| 37) Benzo(a)pyrene             | 23.40 | 252 | 16881 | 0.435  | ng | 99    |
| 38) Dibenzo(a,h)anthracene     | 25.76 | 278 | 16767 | 0.432  | ng | 99    |
| 39) Benzo(g,h,i)perylene       | 26.44 | 276 | 17130 | 0.438  | ng | 100   |

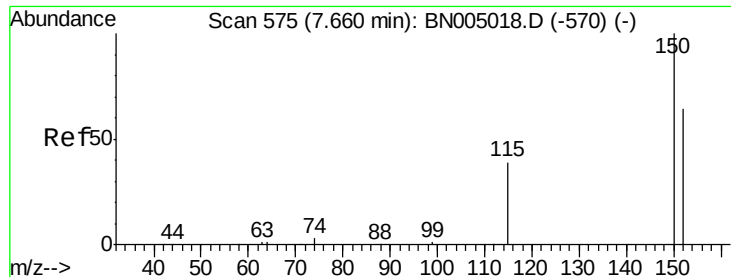
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 29 03:42:17 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

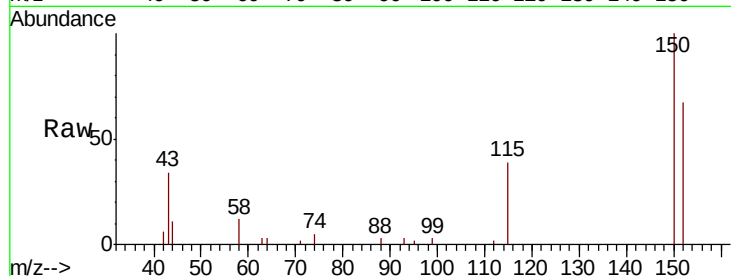
Tgt Ion: 152 Resp: 2802

Ion Ratio Lower Upper

152 100

150 150.0 123.4 185.2

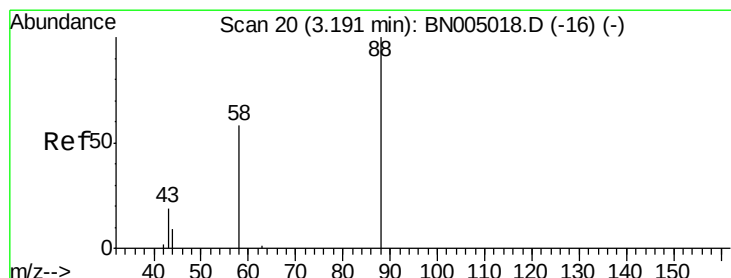
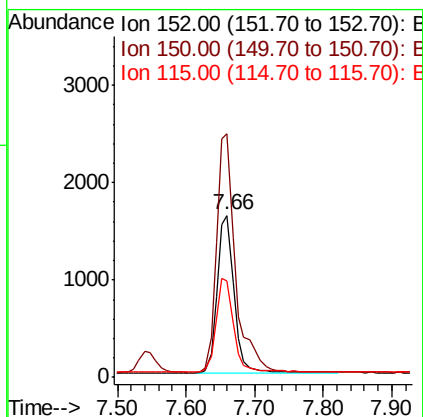
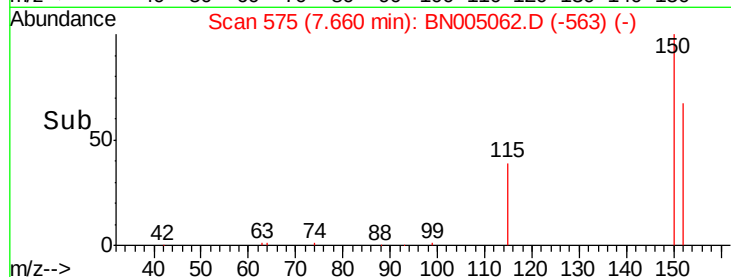
115 59.2 50.0 75.0



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: 0.357 ng

RT: 3.18 min Scan# 19

Delta R.T. -0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

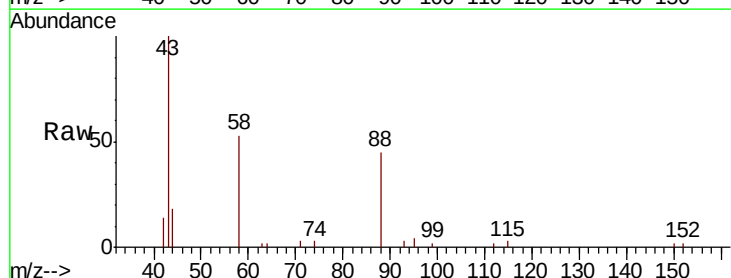
Tgt Ion: 88 Resp: 1075

Ion Ratio Lower Upper

88 100

58 71.8 52.8 79.2

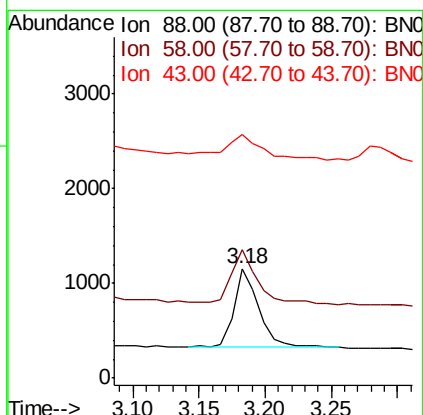
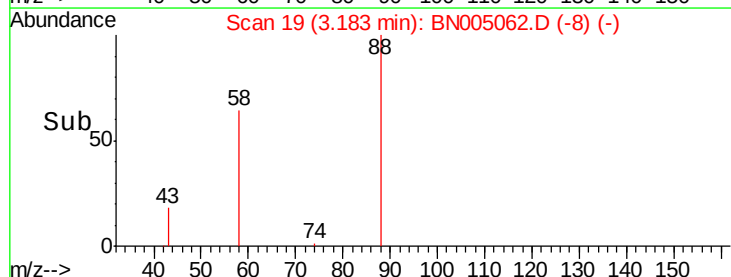
43 45.2 19.6 29.4#

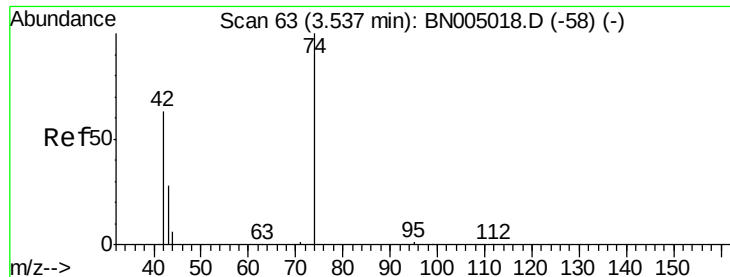


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.153 ng

RT: 3.54 min Scan# 63

Delta R.T. 0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

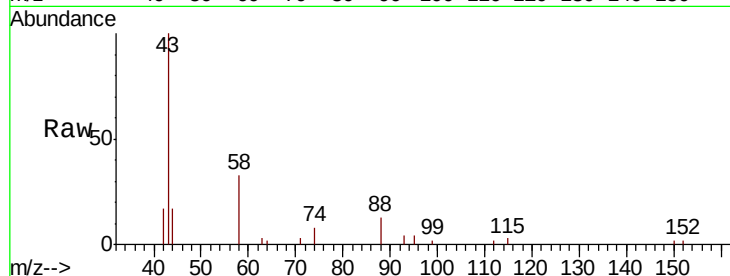
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

74 147.5 129.1 193.7

44 16.0 11.6 17.4



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

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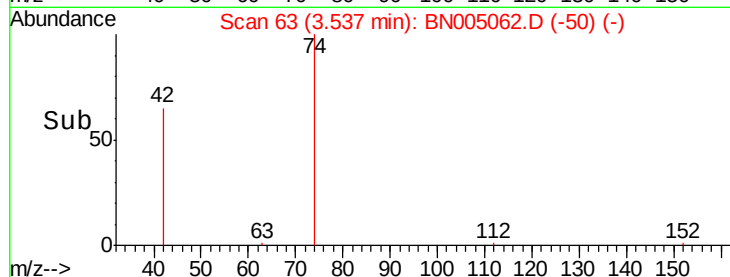
3.54

3.54

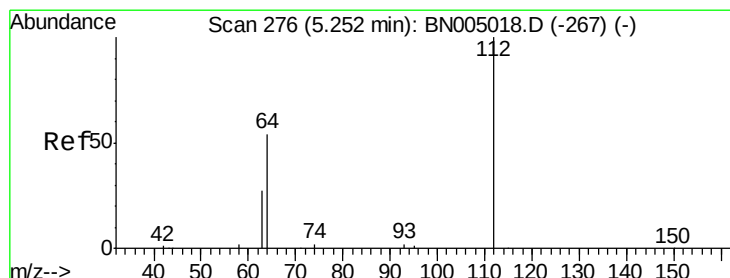
3.54

3.54

3.54



Time--> 3.45 3.50 3.55 3.60



#4

2-Fluorophenol

Concen: 0.189 ng

RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

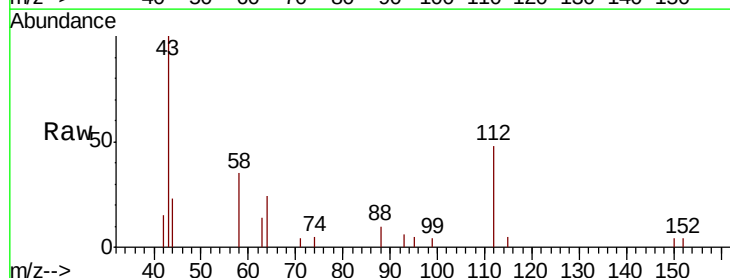
Tgt Ion: 112 Resp: 1322

Ion Ratio Lower Upper

112 100

64 52.9 41.9 62.9

63 26.2 21.5 32.3



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

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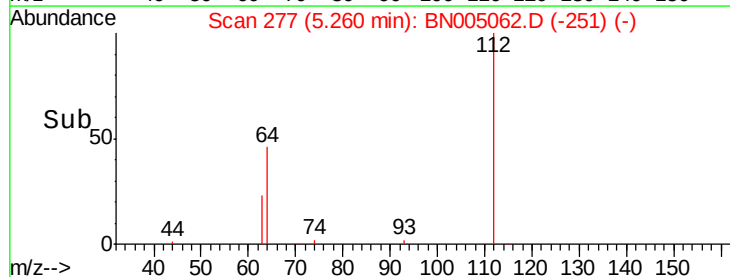
5.26

5.26

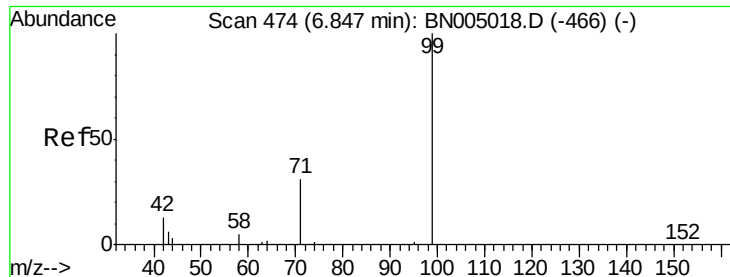
5.26

5.26

5.26



Time--> 5.10 5.20 5.30 5.40



#5

Phenol-d6

Concen: 0.121 ng

RT: 6.85 min Scan# 474

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

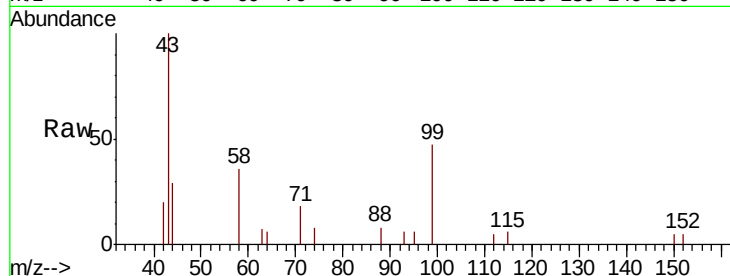
Tgt Ion: 99 Resp: 1006

Ion Ratio Lower Upper

99 100

42 19.3 12.2 18.2#

71 30.1 26.1 39.1



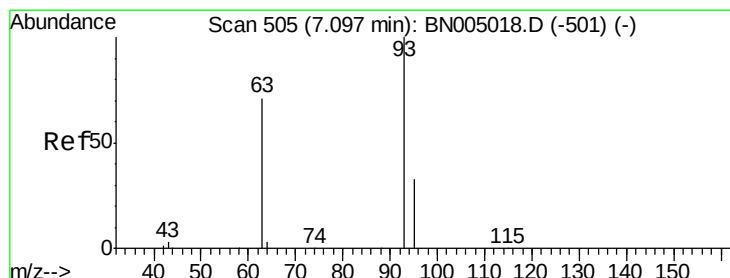
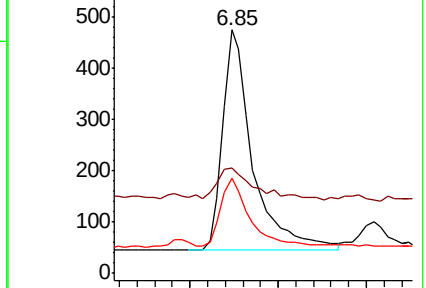
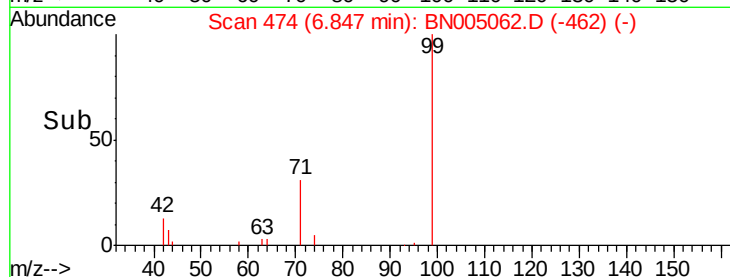
Abundance Ion 99.00 (98.70 to 99.70): BN005018.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN005018.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN005018.D (-466) (-)

6.85

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.386 ng

RT: 7.10 min Scan# 505

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

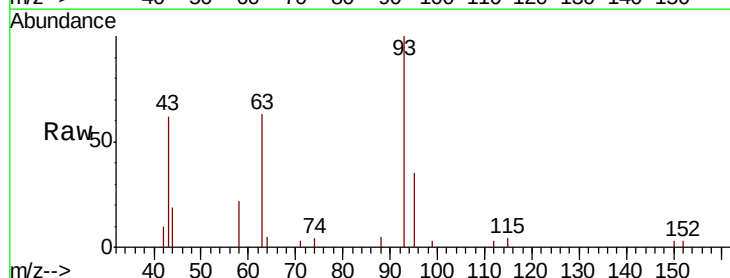
Tgt Ion: 93 Resp: 3018

Ion Ratio Lower Upper

93 100

63 68.4 51.8 77.6

95 31.9 24.8 37.2



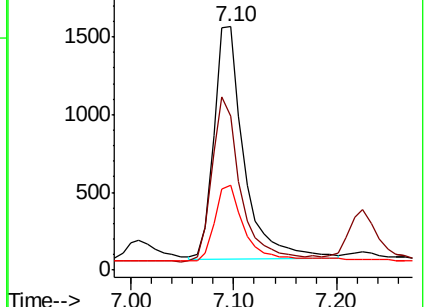
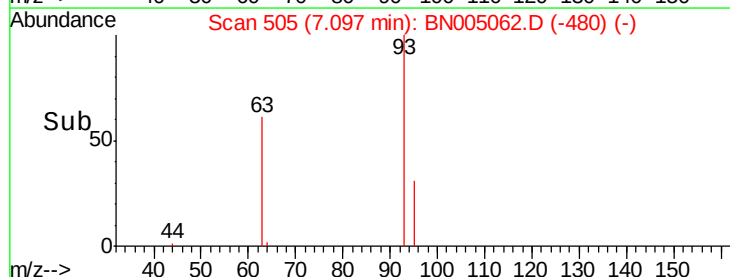
Abundance Ion 93.00 (92.70 to 93.70): BN005018.D (-501) (-)

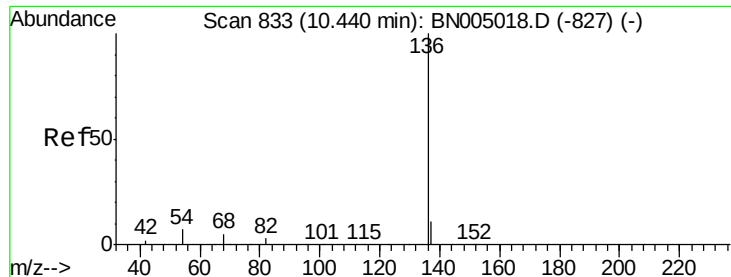
Ion 63.00 (62.70 to 63.70): BN005018.D (-501) (-)

Ion 95.00 (94.70 to 95.70): BN005018.D (-501) (-)

7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

Tgt Ion:136 Resp: 11737

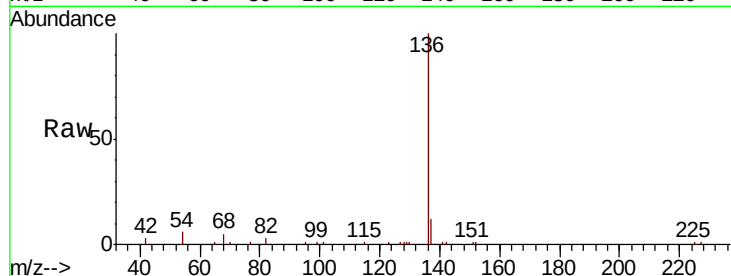
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 5.5 6.0 9.0#

68 5.0 5.0 7.6#

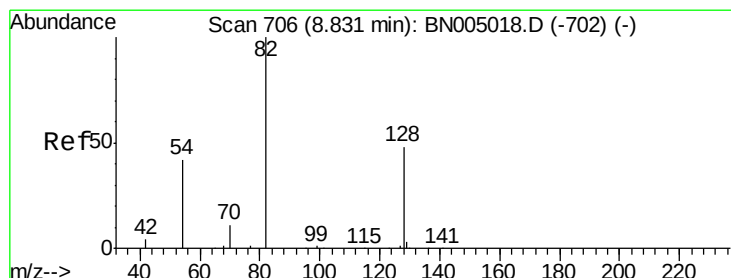
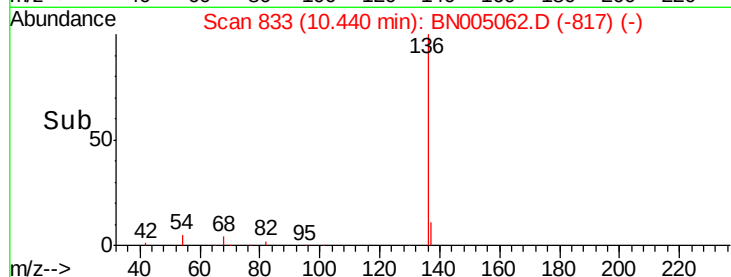
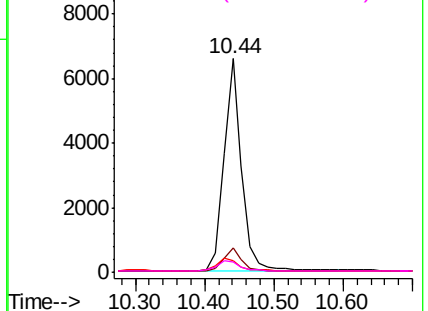


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.400 ng

RT: 8.82 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

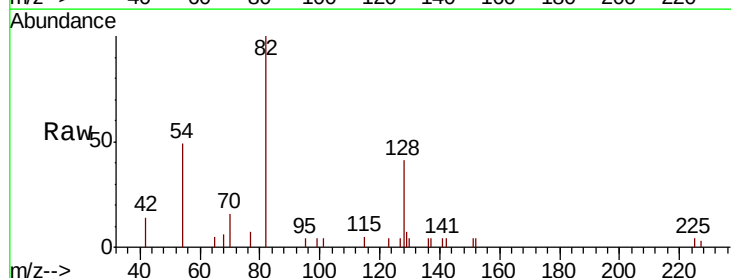
Tgt Ion: 82 Resp: 2724

Ion Ratio Lower Upper

82 100

128 41.0 40.5 60.7

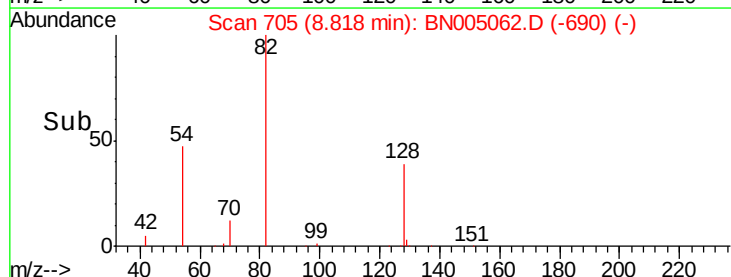
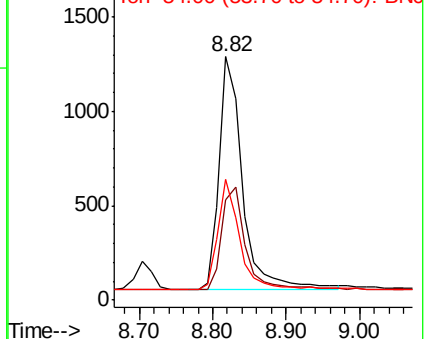
54 49.5 35.7 53.5

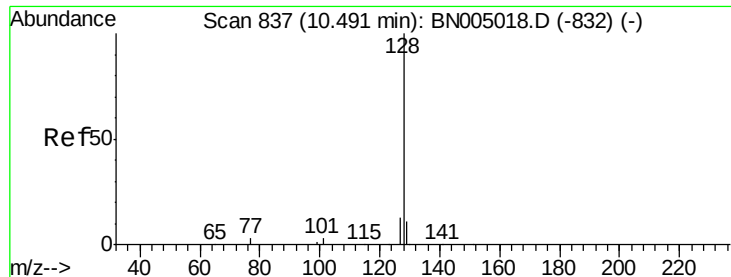


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.404 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN005062.D

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Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

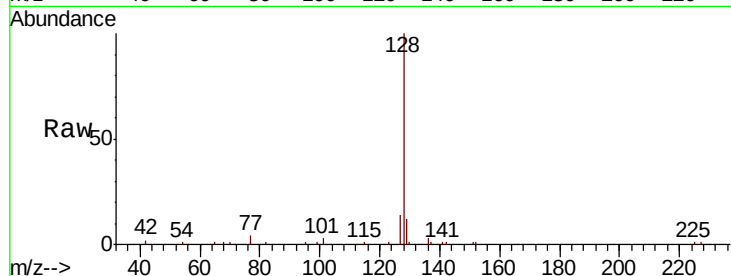
Tgt Ion:128 Resp: 11921

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

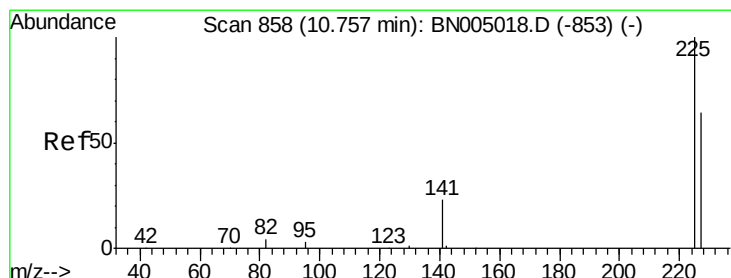
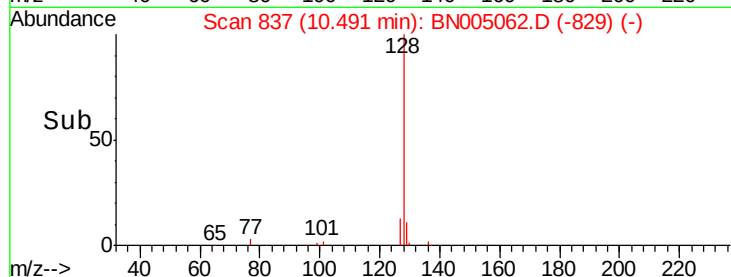
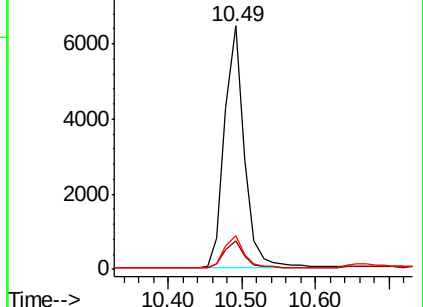
127 13.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.360 ng

RT: 10.76 min Scan# 858

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

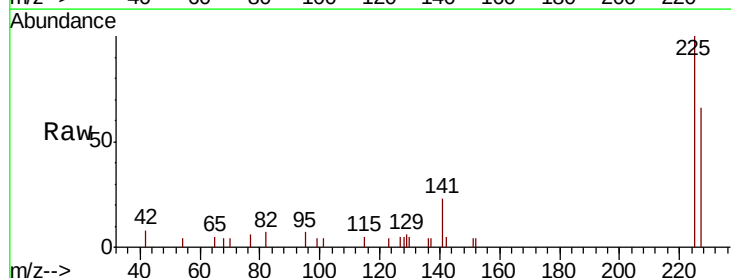
Tgt Ion:225 Resp: 1970

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

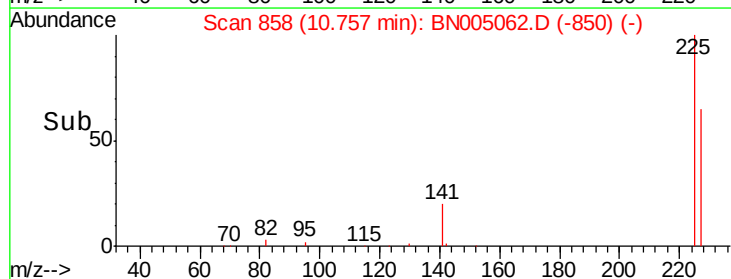
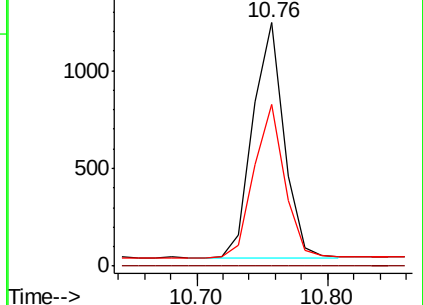
227 64.4 51.5 77.3

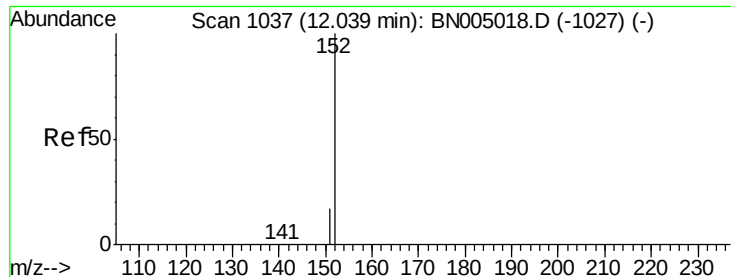


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

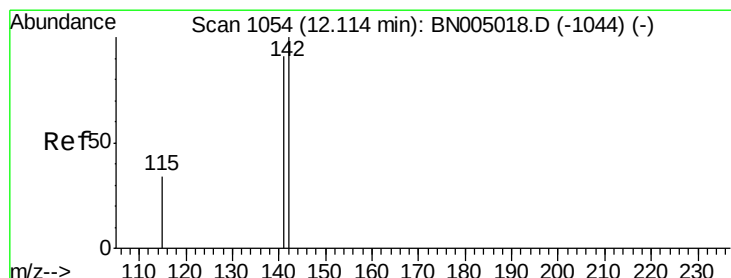
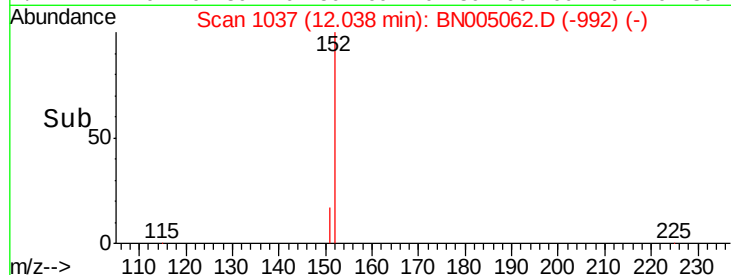
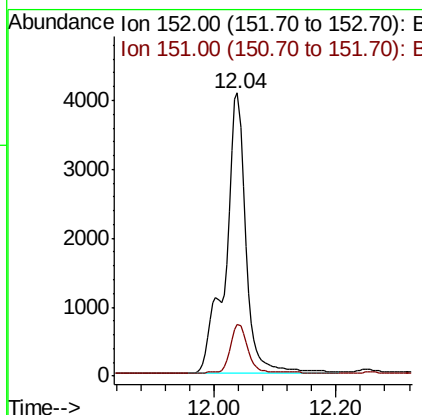
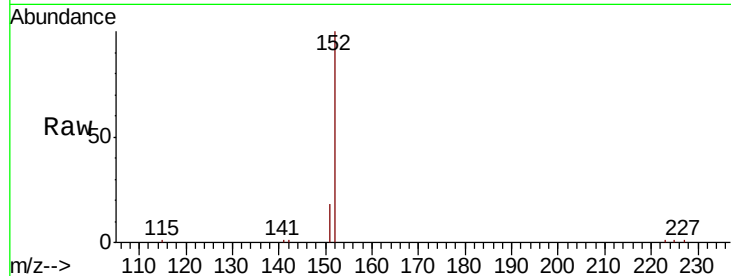




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.513 ng  
 RT: 12.04 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BN005062.D  
 Acq: 02 Apr 2019 15:21

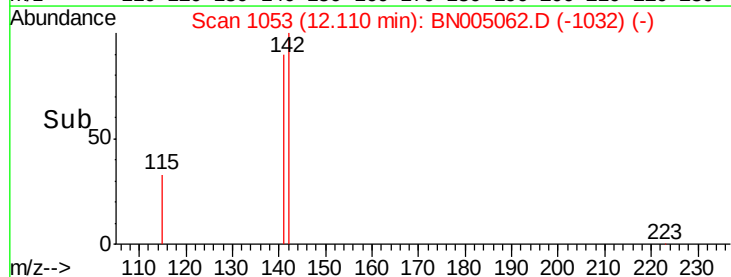
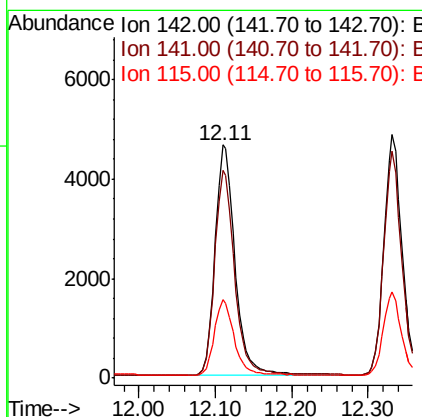
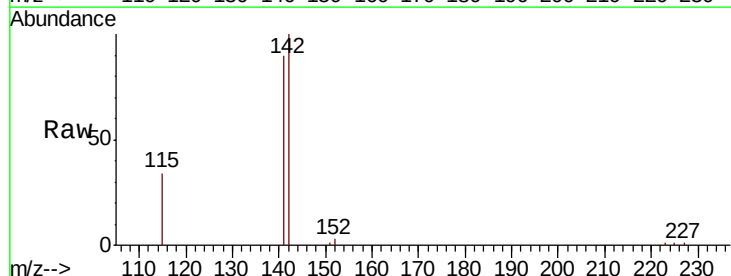
Instrument :  
 BNA\_N  
 ClientSampleId :  
 P001-TW001-03MSD

Tgt Ion:152 Resp: 9323  
 Ion Ratio Lower Upper  
 152 100  
 151 15.1 15.3 22.9#

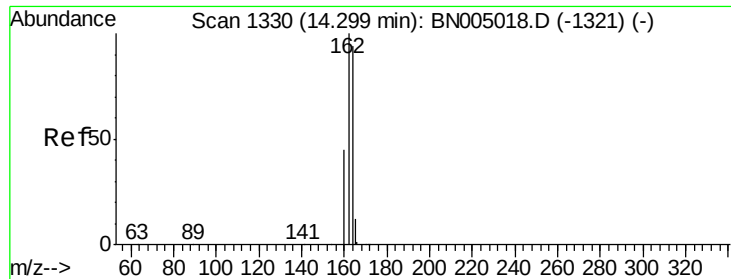


#12  
 2-Methylnaphthalene  
 Concen: 0.398 ng  
 RT: 12.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: BN005062.D  
 Acq: 02 Apr 2019 15:21

Tgt Ion:142 Resp: 8480  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 72.6 108.8  
 115 33.5 27.8 41.8







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

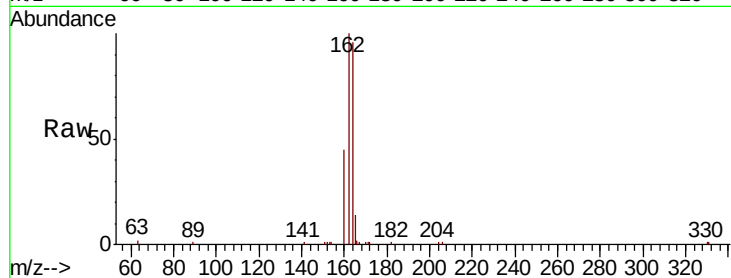
Tgt Ion:164 Resp: 6423

Ion Ratio Lower Upper

164 100

162 104.0 85.3 127.9

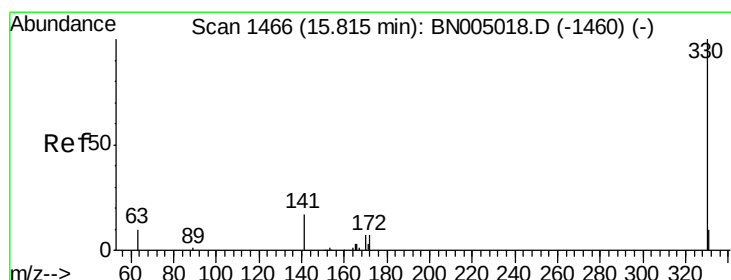
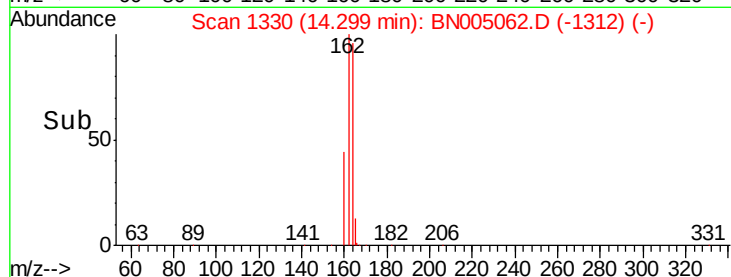
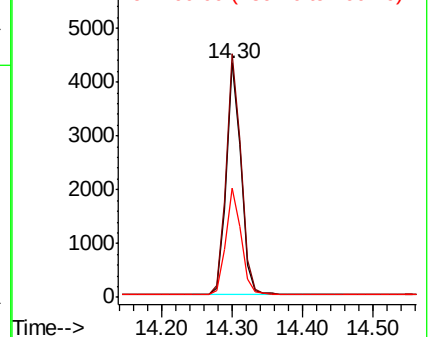
160 46.8 39.2 58.8



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: 0.376 ng

RT: 15.81 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

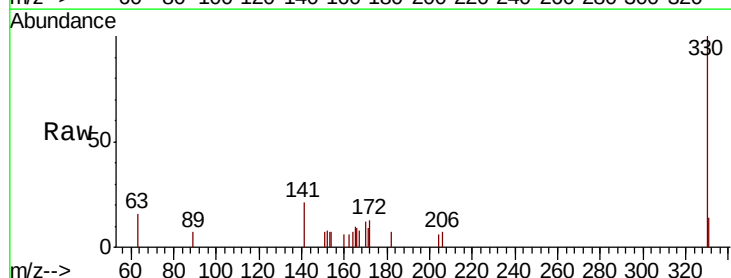
Tgt Ion:330 Resp: 1355

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

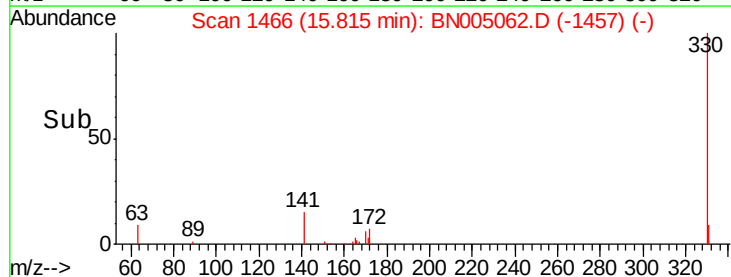
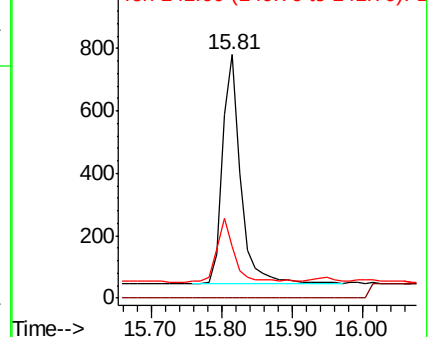
141 25.2 21.3 31.9

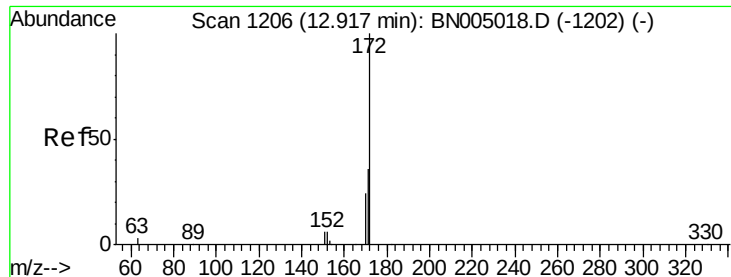


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

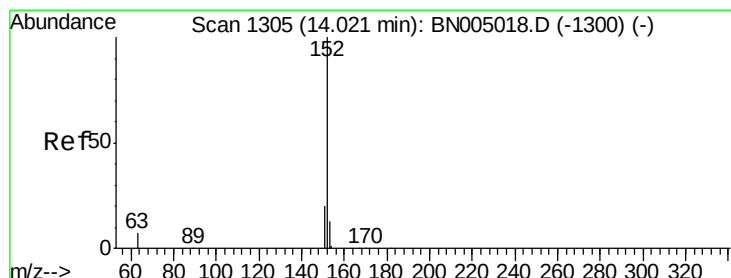
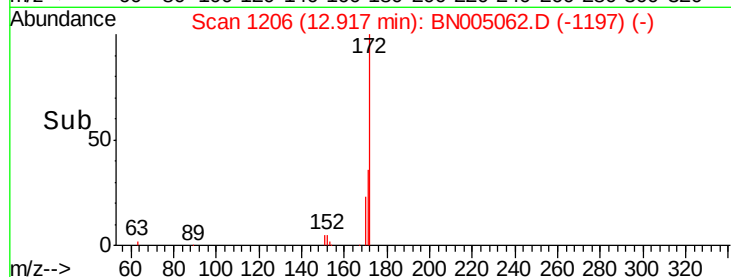
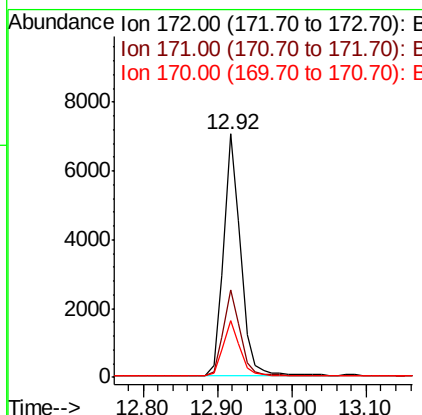
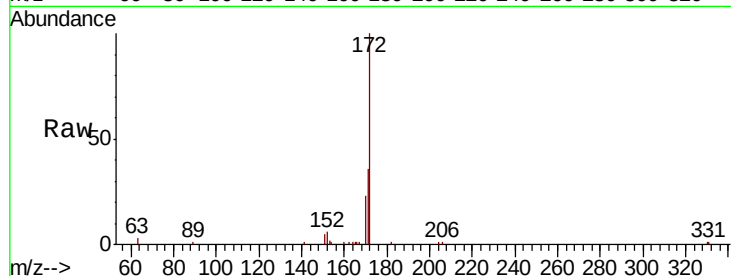




#15  
2-Fluorobiphenyl  
Concen: 0.463 ng  
RT: 12.92 min Scan# 1206  
Delta R.T. -0.00 min  
Lab File: BN005062.D  
Acq: 02 Apr 2019 15:21

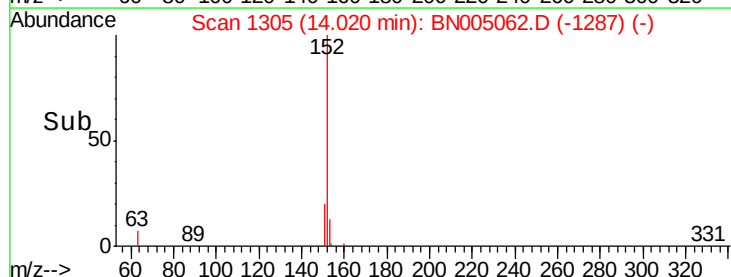
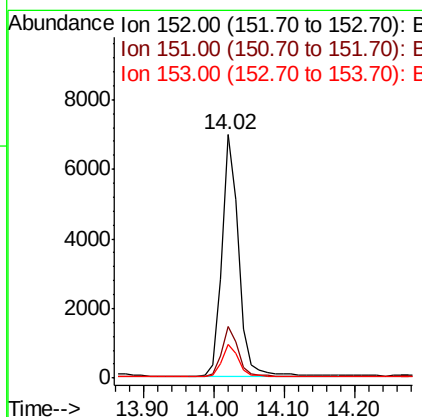
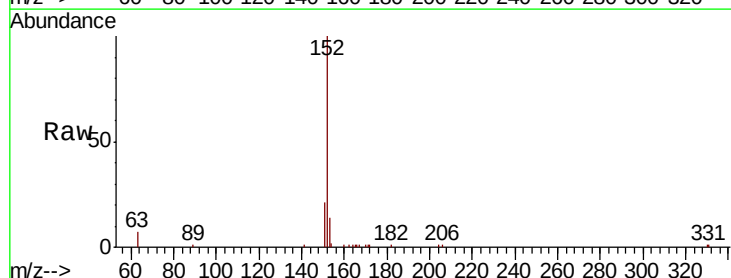
Instrument :  
BNA\_N  
ClientSampleId :  
P001-TW001-03MSD

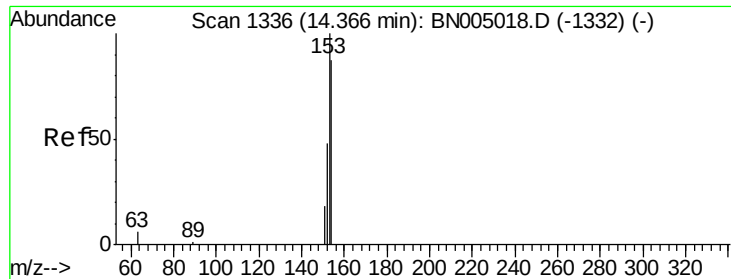
Tgt Ion:172 Resp: 11227  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.4 44.0  
170 23.5 20.0 30.0



#16  
Acenaphthylene  
Concen: 0.386 ng  
RT: 14.02 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BN005062.D  
Acq: 02 Apr 2019 15:21

Tgt Ion:152 Resp: 11715  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.8 23.6  
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.414 ng

RT: 14.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

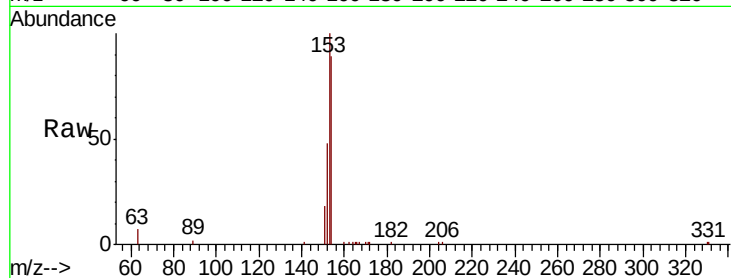
Tgt Ion:154 Resp: 7963

Ion Ratio Lower Upper

154 100

153 113.9 92.1 138.1

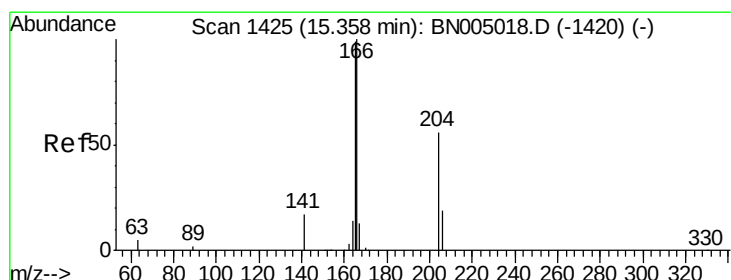
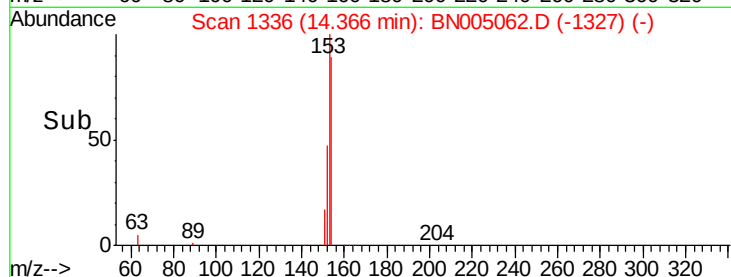
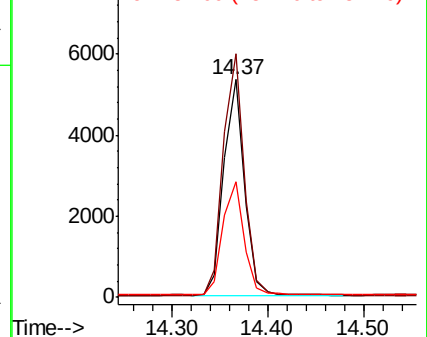
152 54.4 44.2 66.2



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: 0.409 ng

RT: 15.36 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

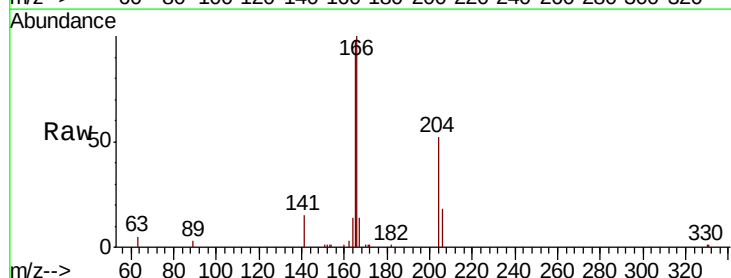
Tgt Ion:166 Resp: 10578

Ion Ratio Lower Upper

166 100

165 98.6 78.7 118.1

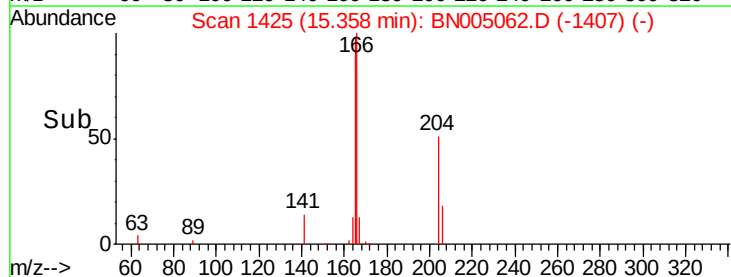
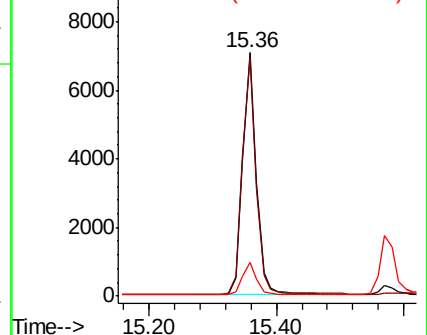
167 13.5 10.9 16.3

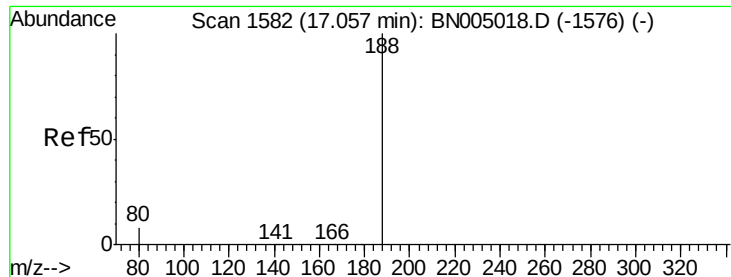


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

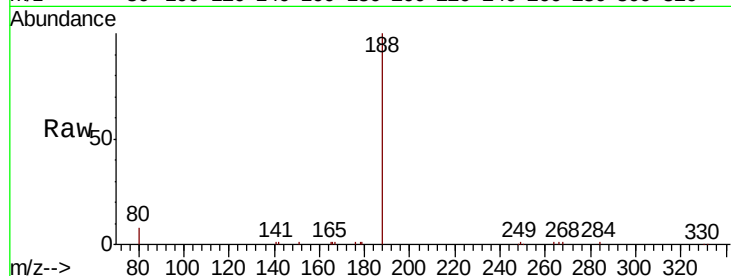
Tgt Ion:188 Resp: 14390

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

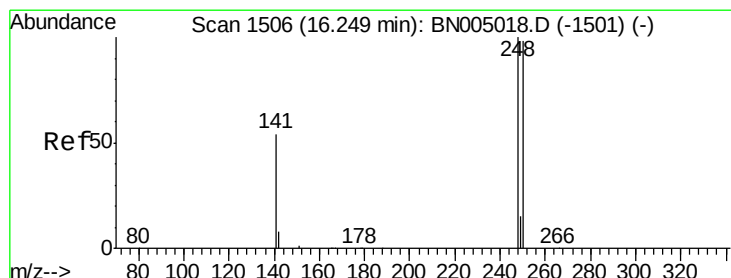
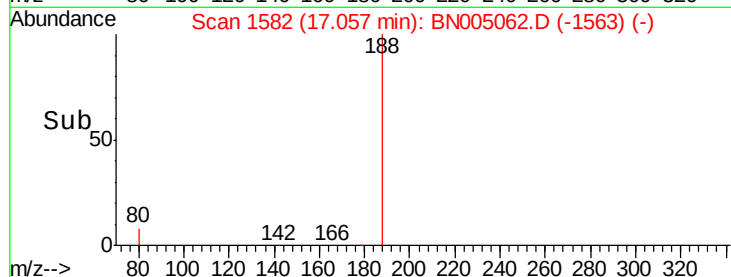
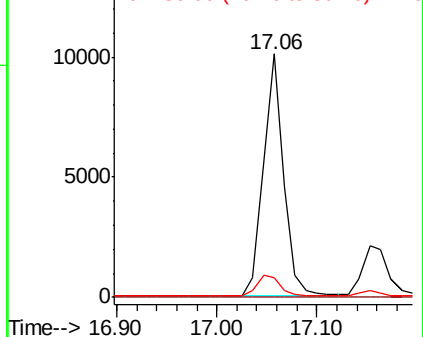
80 8.2 6.9 10.3



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: 0.418 ng

RT: 16.25 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

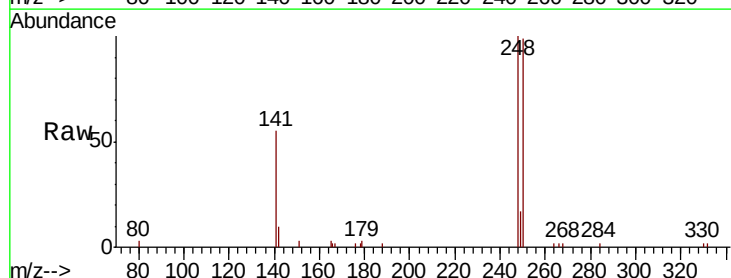
Tgt Ion:248 Resp: 3440

Ion Ratio Lower Upper

248 100

250 99.3 78.6 117.8

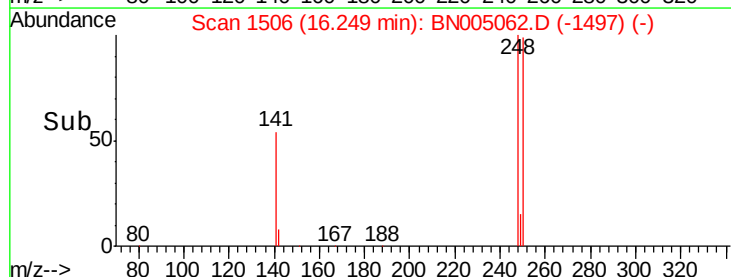
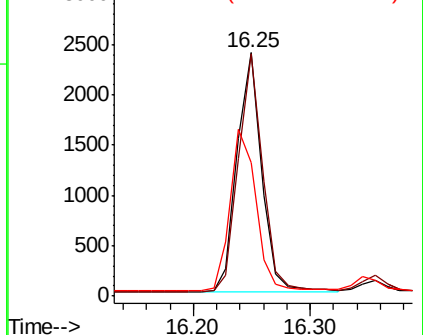
141 55.0 43.6 65.4

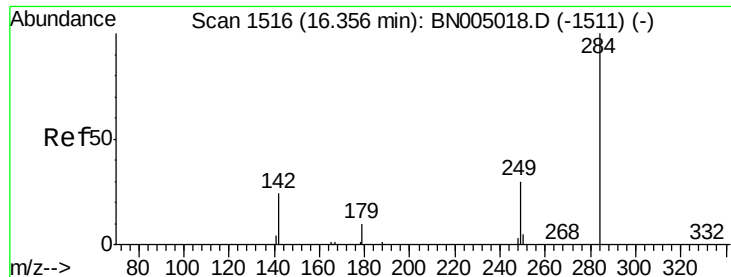


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.430 ng

RT: 16.36 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

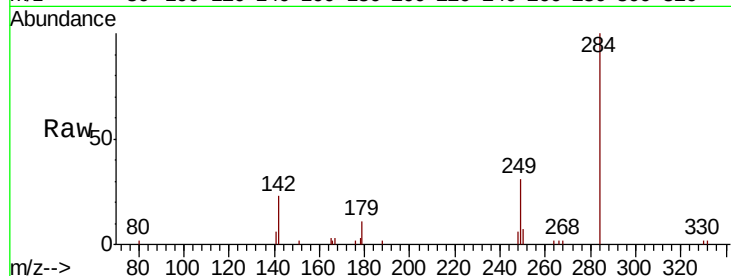
Tgt Ion:284 Resp: 3914

Ion Ratio Lower Upper

284 100

142 29.0 24.9 37.3

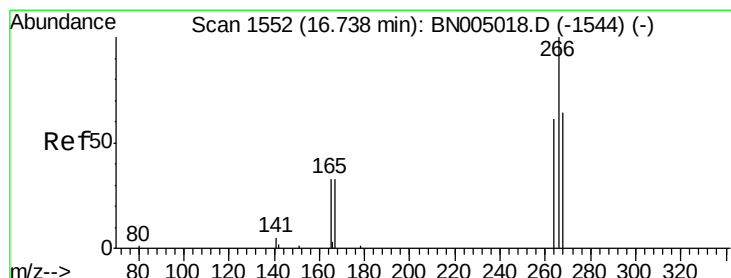
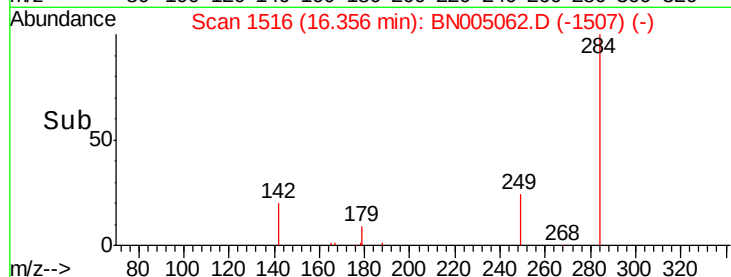
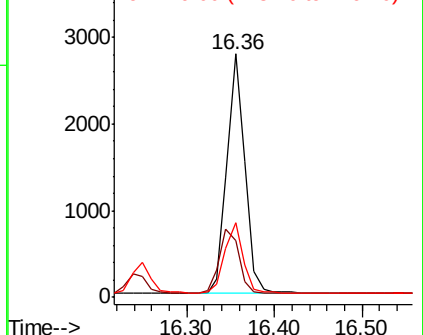
249 29.5 23.8 35.6



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: 0.852 ng

RT: 16.73 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

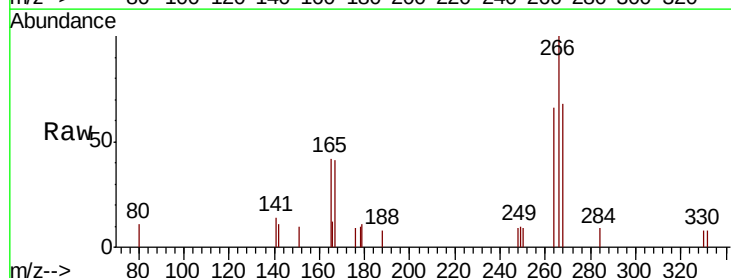
Tgt Ion:266 Resp: 1524

Ion Ratio Lower Upper

266 100

264 66.3 53.4 80.0

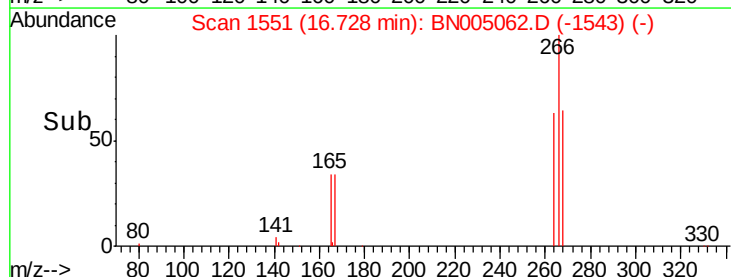
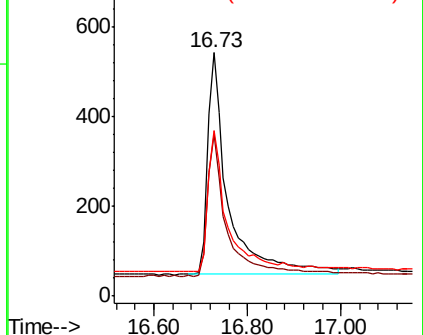
268 68.0 58.9 88.3

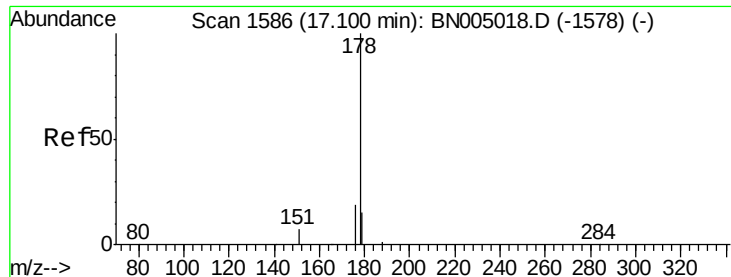


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.427 ng

RT: 17.10 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

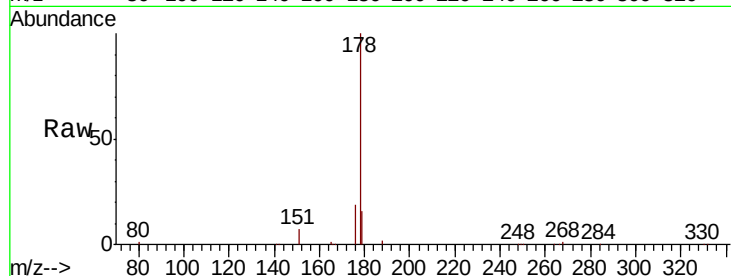
Tgt Ion:178 Resp: 17200

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

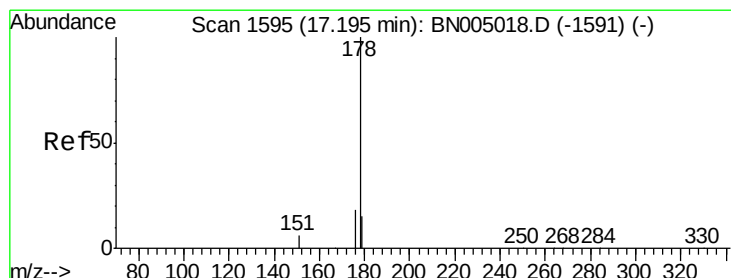
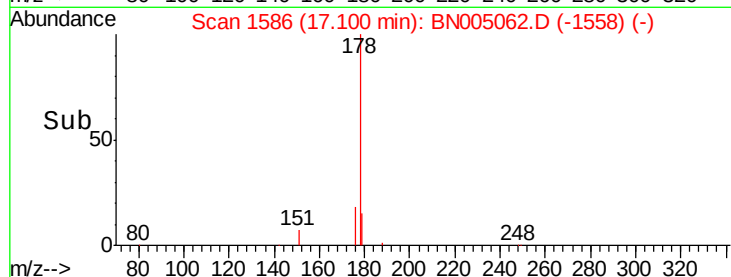
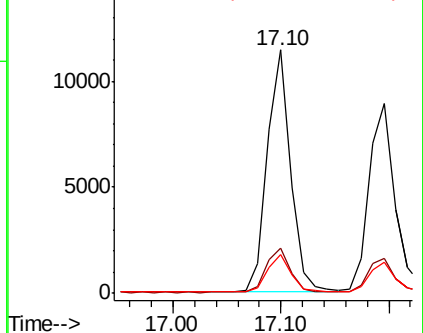
179 15.5 12.2 18.2



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: 0.424 ng

RT: 17.20 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

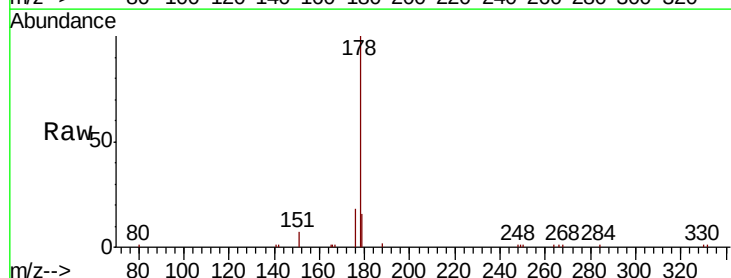
Tgt Ion:178 Resp: 15207

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

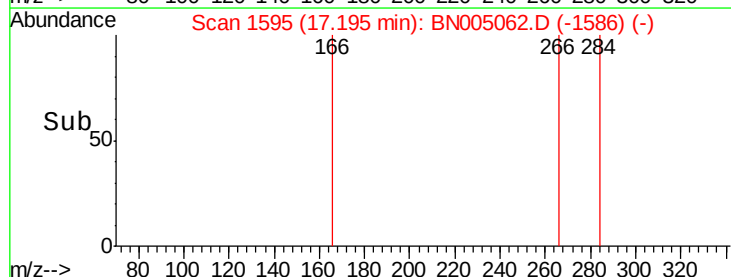
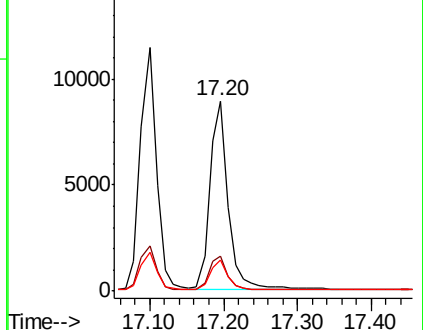
179 15.2 12.3 18.5

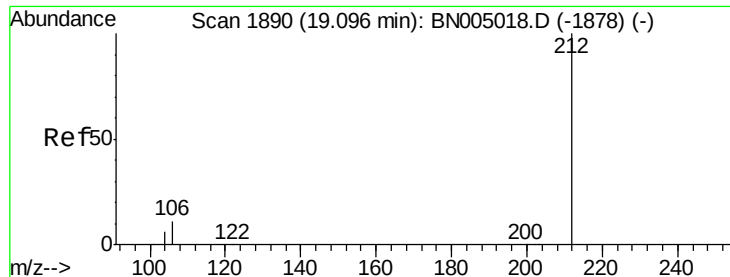


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.10 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

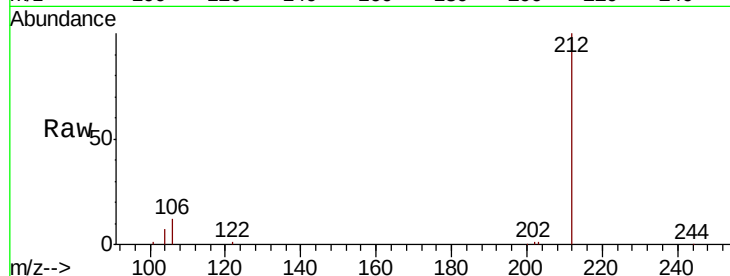
Tgt Ion: 212 Resp: 16801

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.2

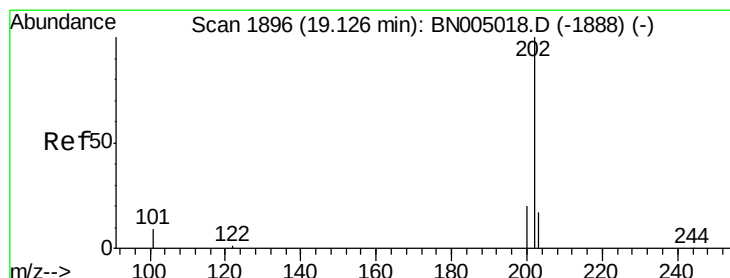
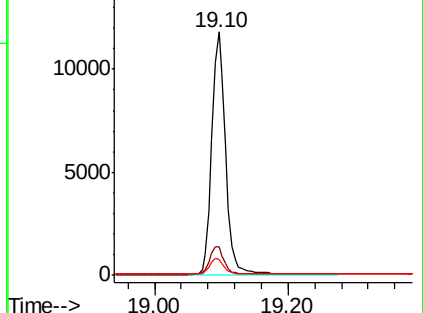
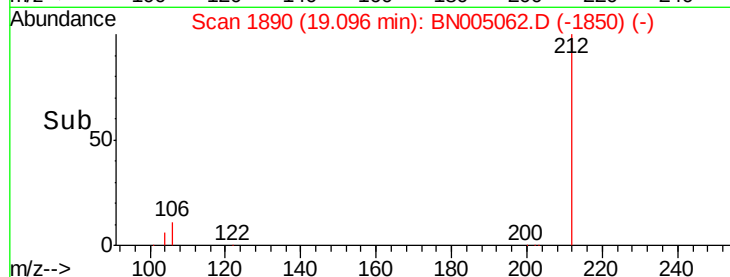
104 6.6 5.4 8.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.400 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

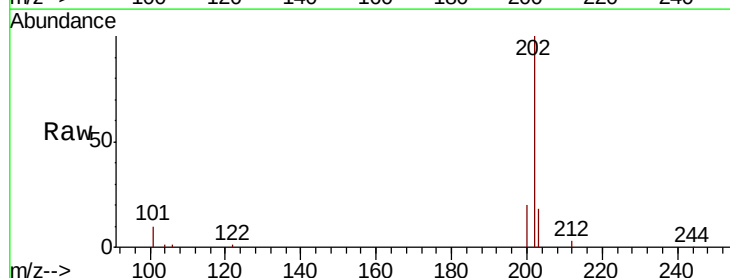
Tgt Ion: 202 Resp: 19743

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.2

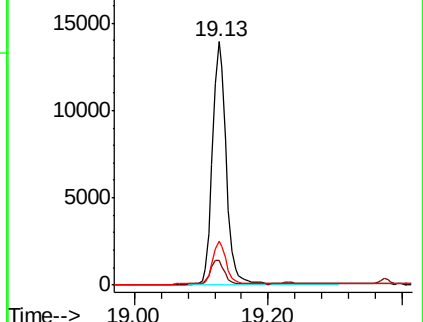
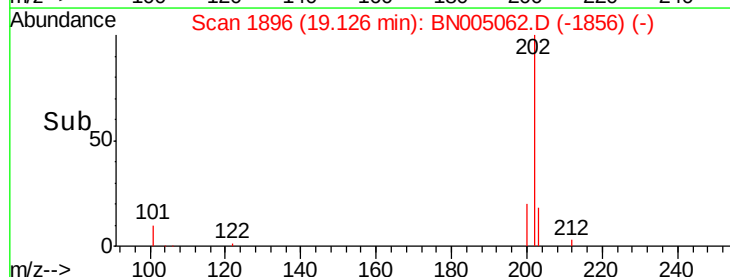
203 17.3 13.8 20.8

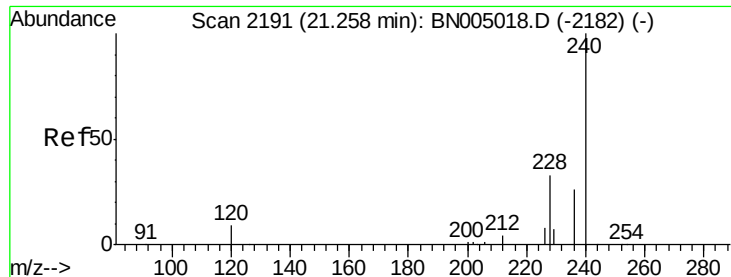


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

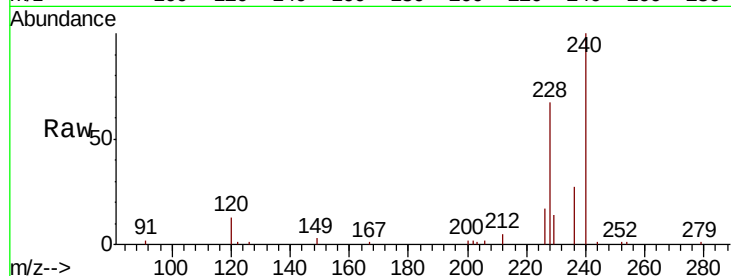
Tgt Ion:240 Resp: 15013

Ion Ratio Lower Upper

240 100

120 13.2 7.4 11.0#

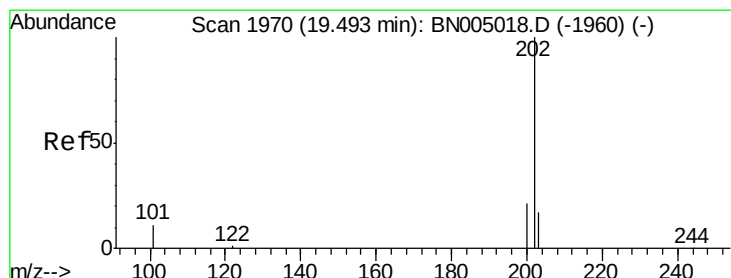
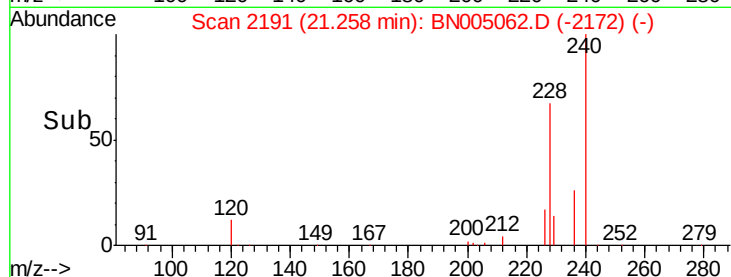
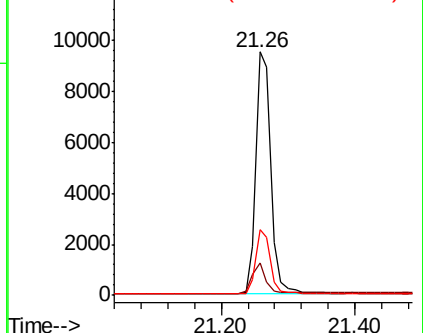
236 26.9 21.0 31.6



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: 0.478 ng

RT: 19.49 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

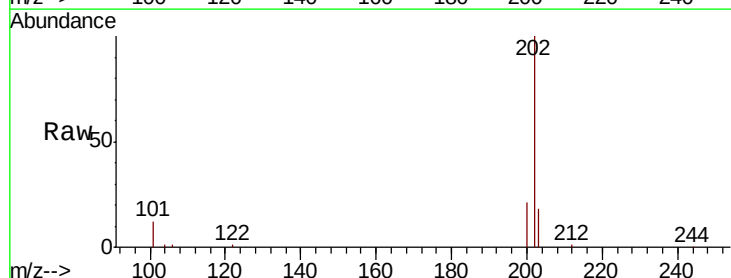
Tgt Ion:202 Resp: 20391

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

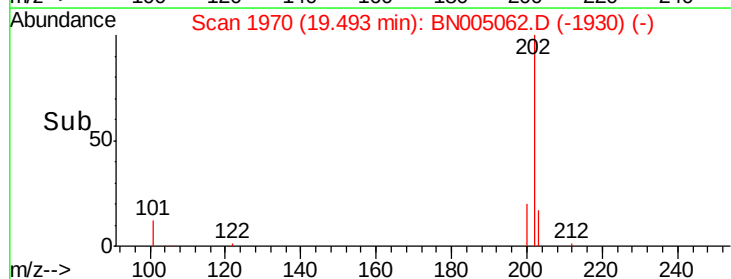
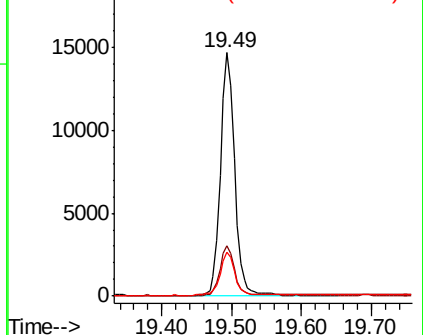
203 18.0 13.9 20.9



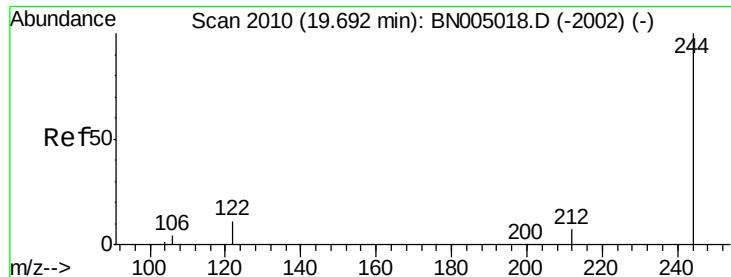
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.467 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

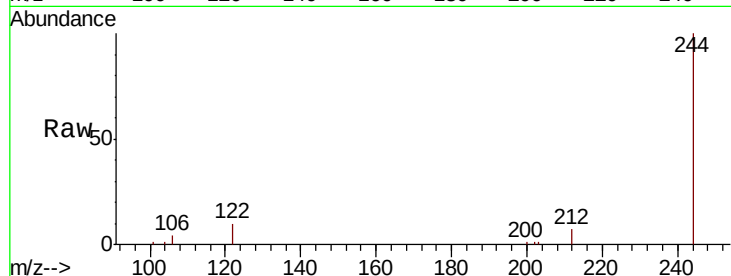
Tgt Ion:244 Resp: 14402

Ion Ratio Lower Upper

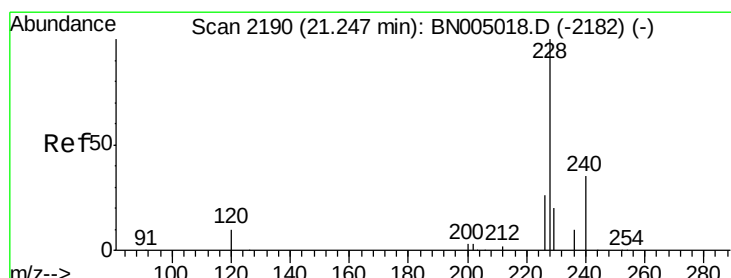
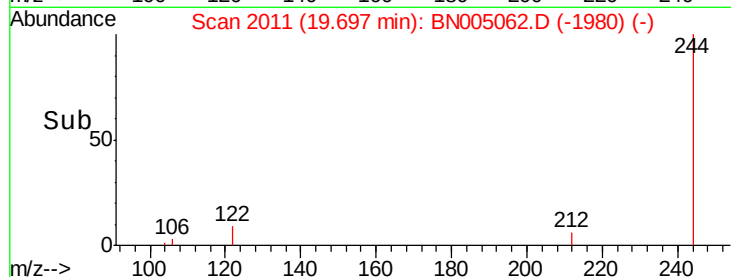
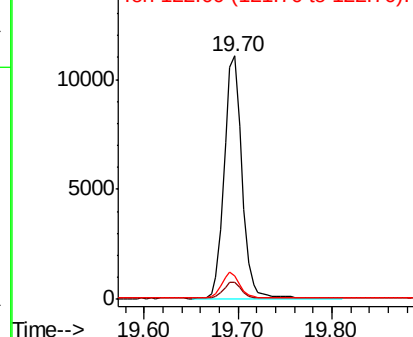
244 100

212 7.2 5.9 8.9

122 9.7 9.0 13.4



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: 0.433 ng

RT: 21.25 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

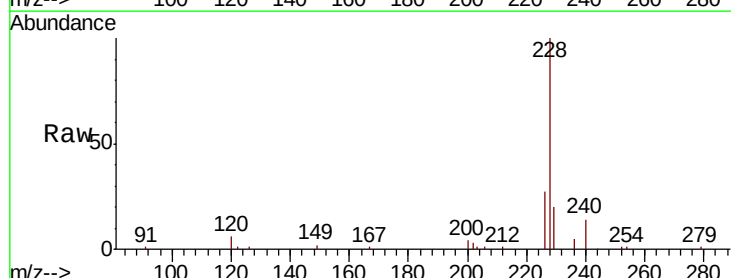
Tgt Ion:228 Resp: 18322

Ion Ratio Lower Upper

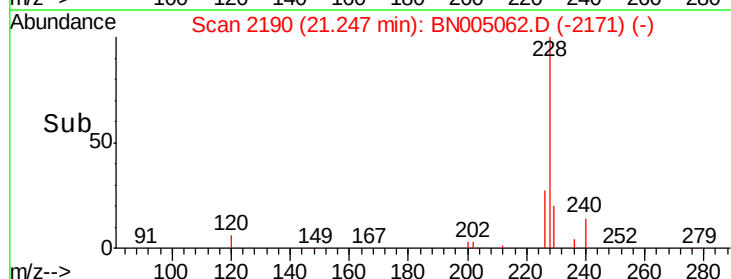
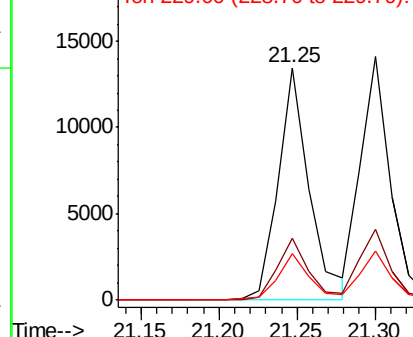
228 100

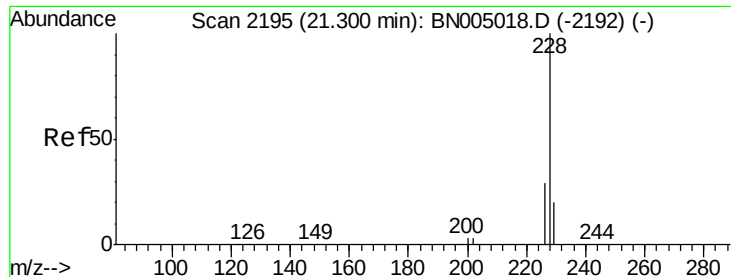
226 26.8 20.9 31.3

229 20.1 16.2 24.2



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: 0.409 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

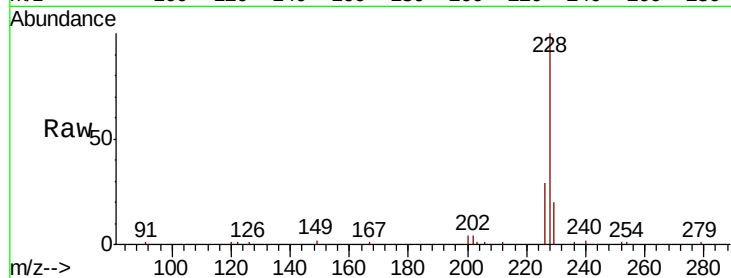
Tgt Ion:228 Resp: 18672

Ion Ratio Lower Upper

228 100

226 29.2 22.8 34.2

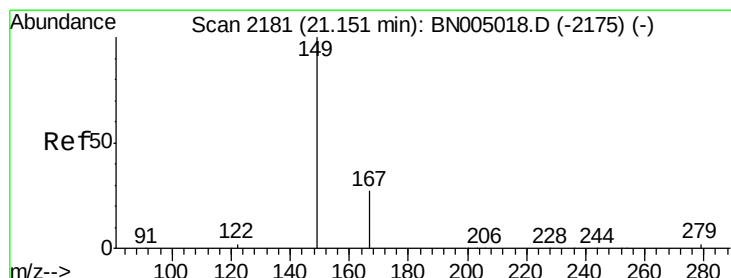
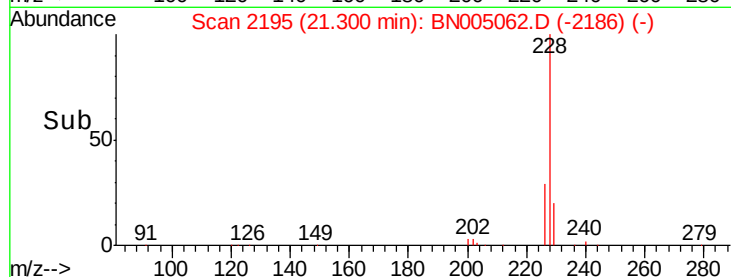
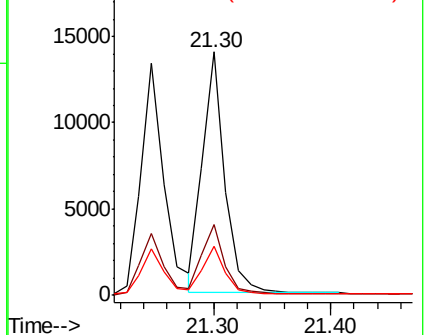
229 19.9 16.2 24.4



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: 0.397 ng

RT: 21.15 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

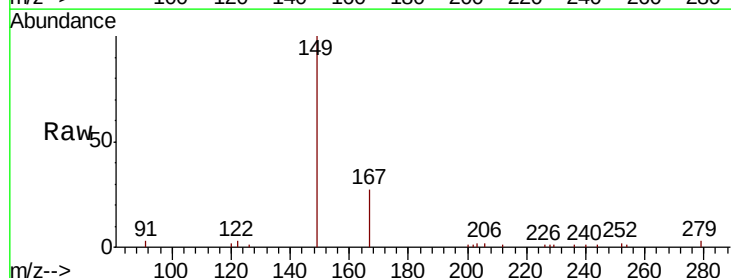
Tgt Ion:149 Resp: 7043

Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

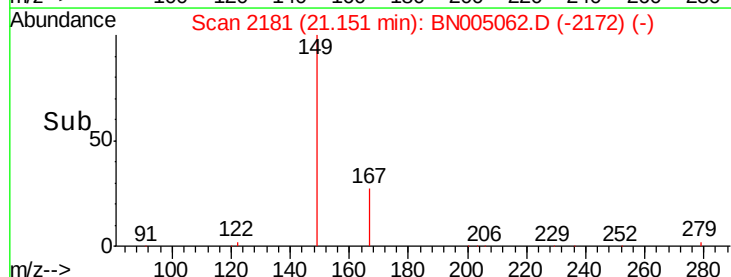
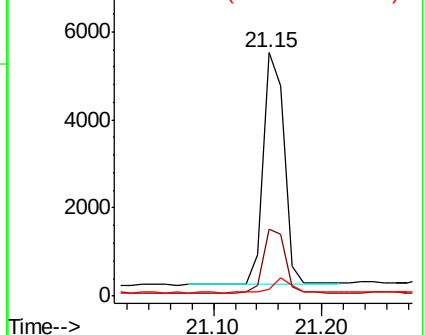
279 5.5 4.2 6.4

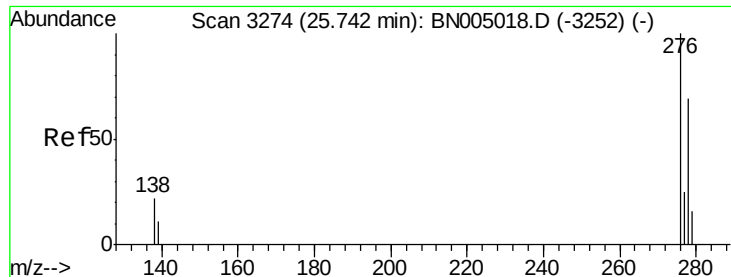


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.392 ng

RT: 25.75 min Scan# 3277

Delta R.T. 0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

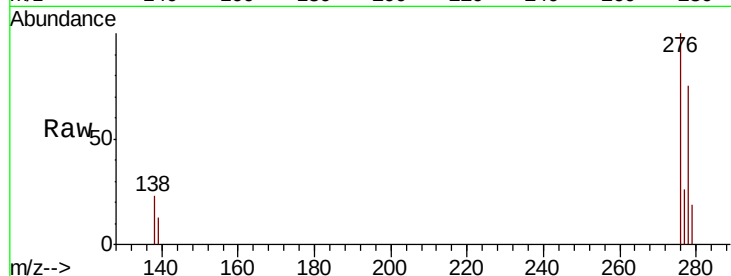
Tgt Ion:276 Resp: 20101

Ion Ratio Lower Upper

276 100

138 22.6 18.2 27.2

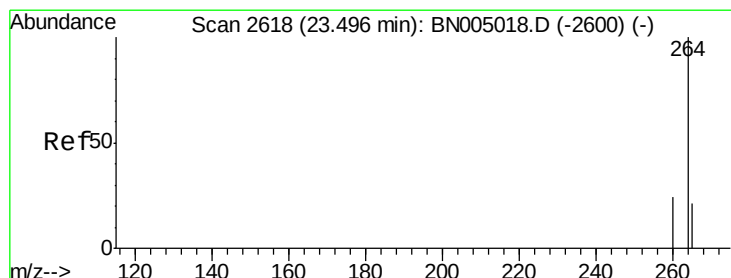
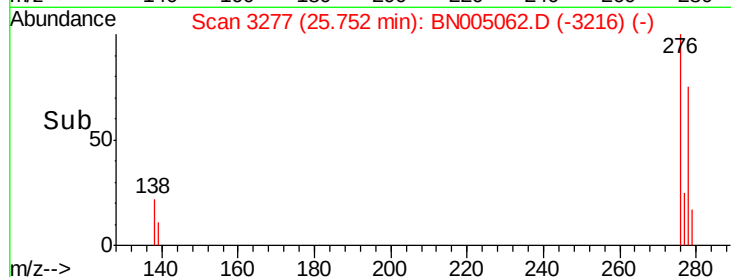
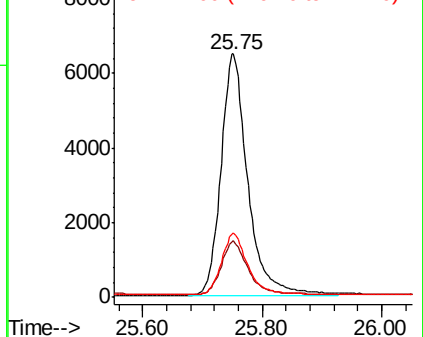
277 25.2 20.3 30.5



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: 23.50 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

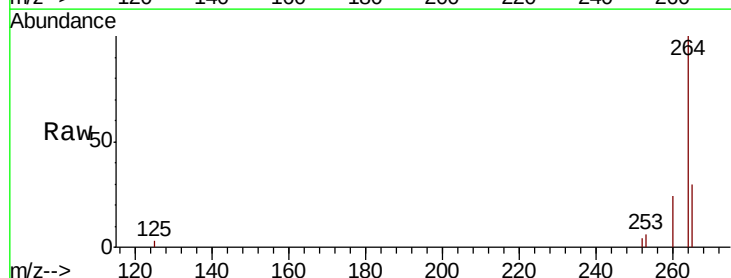
Tgt Ion:264 Resp: 13616

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

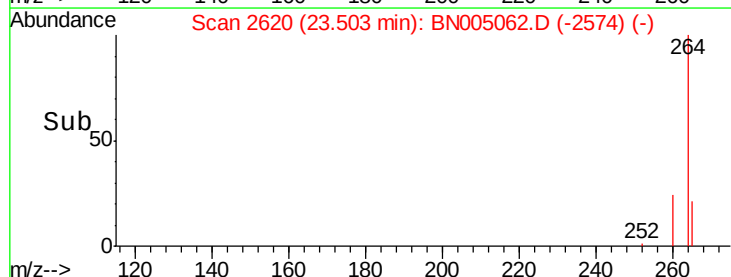
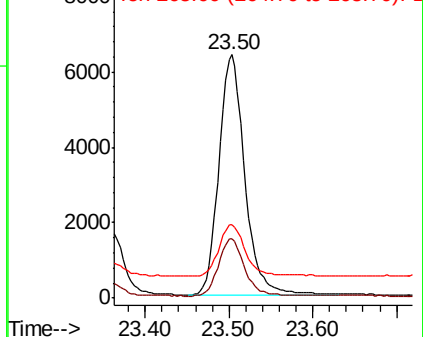
265 30.3 22.5 33.7

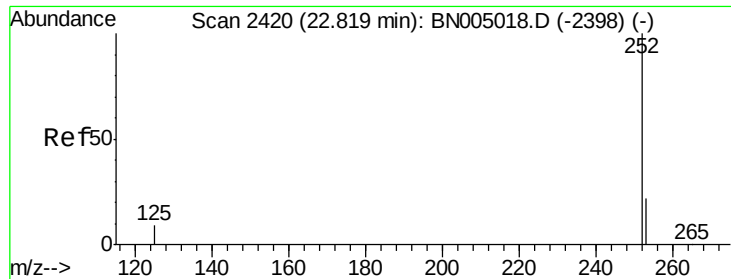


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.428 ng

RT: 22.83 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

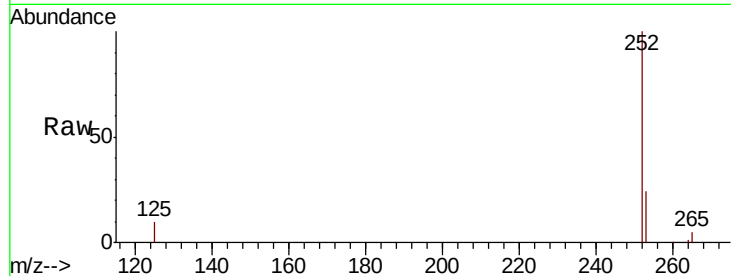
Tgt Ion:252 Resp: 18678

Ion Ratio Lower Upper

252 100

253 24.3 19.2 28.8

125 10.3 8.2 12.2

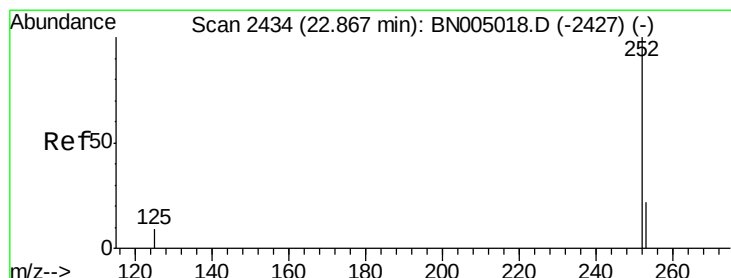
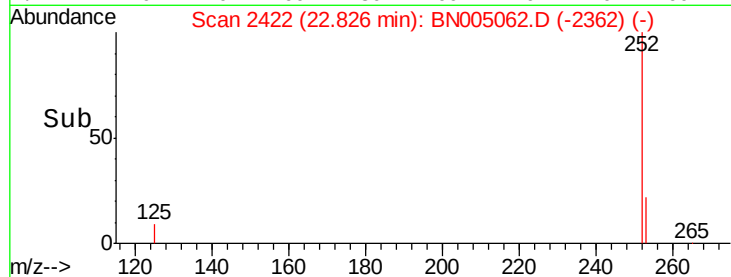
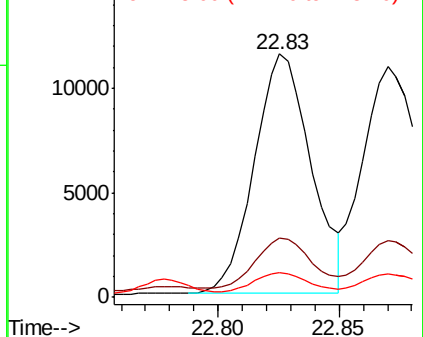


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.452 ng

RT: 22.87 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

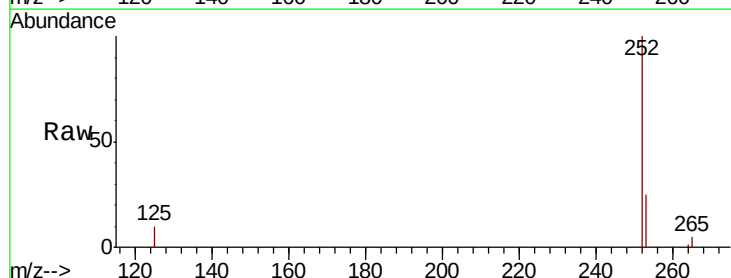
Tgt Ion:252 Resp: 19050

Ion Ratio Lower Upper

252 100

253 24.7 19.3 28.9

125 10.3 8.2 12.2

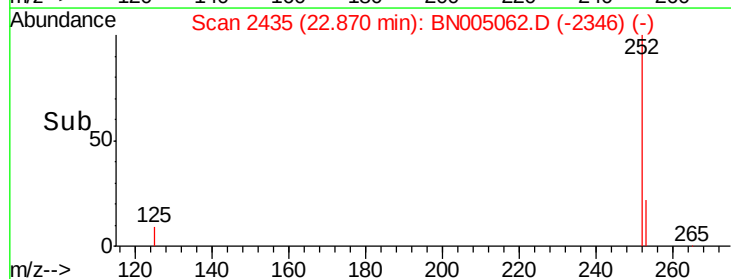
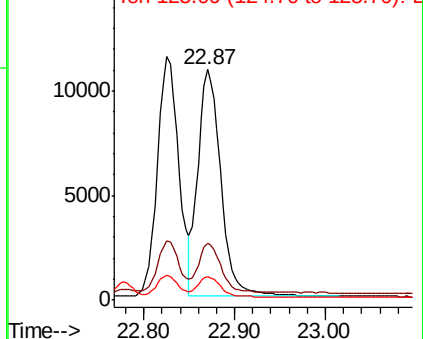


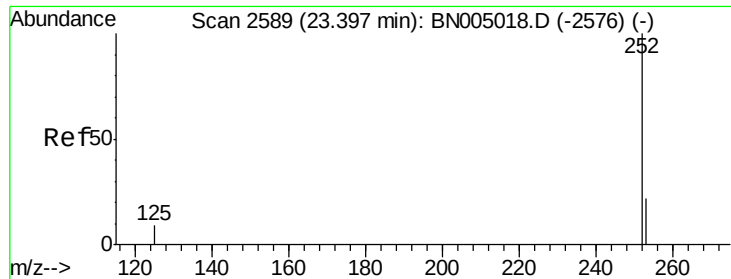
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.435 ng

RT: 23.40 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD

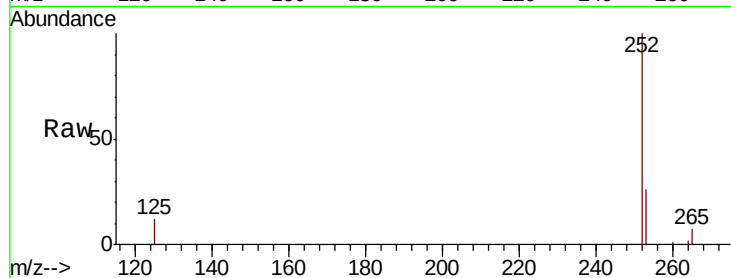
Tgt Ion:252 Resp: 16881

Ion Ratio Lower Upper

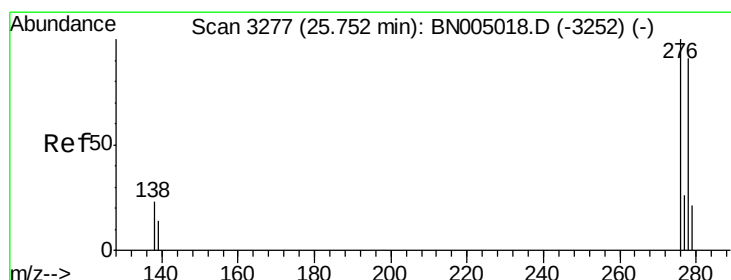
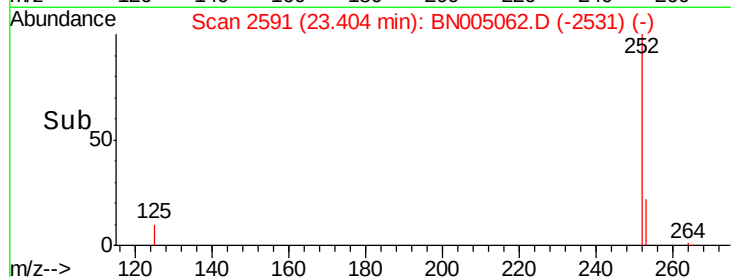
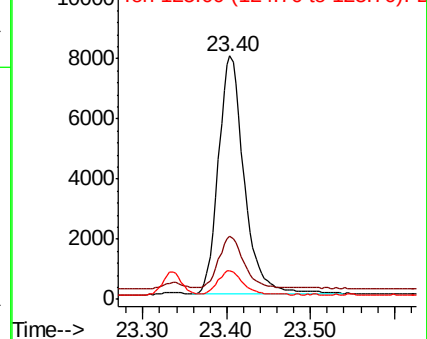
252 100

253 25.9 20.2 30.2

125 11.8 9.2 13.8



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: 0.432 ng

RT: 25.76 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BN005062.D

Acq: 02 Apr 2019 15:21

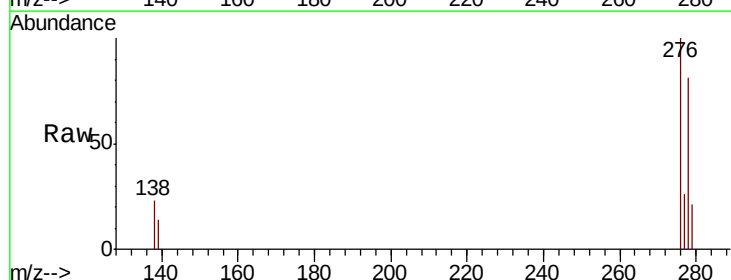
Tgt Ion:278 Resp: 16767

Ion Ratio Lower Upper

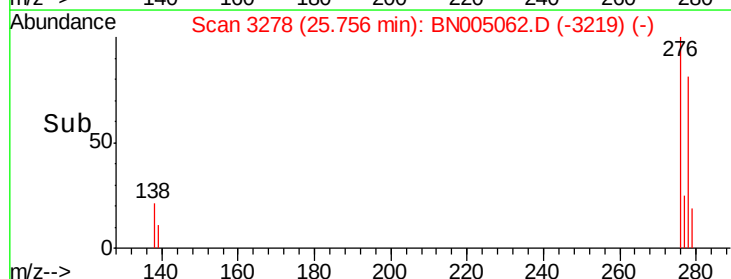
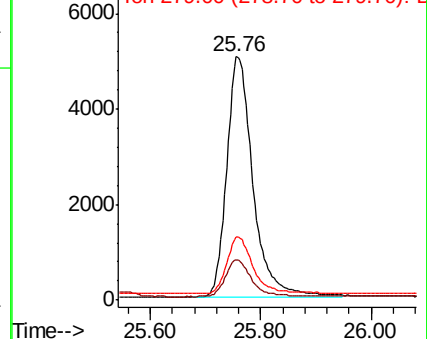
278 100

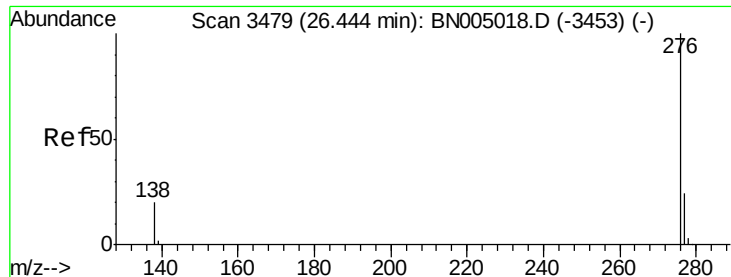
139 16.6 13.1 19.7

279 25.9 20.2 30.2



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: 0.438 ng

RT: 26.44 min Scan# 3479

Delta R.T. -0.00 min

Lab File: BN005062.D

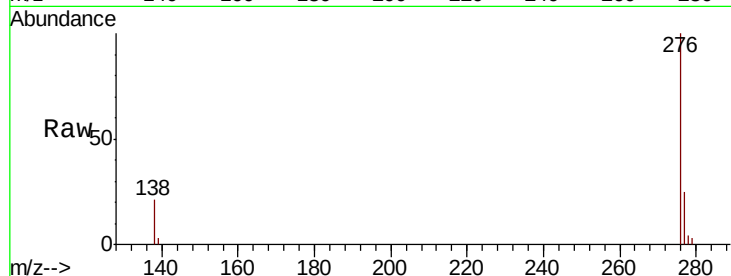
Acq: 02 Apr 2019 15:21

Instrument :

BNA\_N

ClientSampleId :

P001-TW001-03MSD



Tgt Ion: 276 Resp: 17130

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.6

138 20.7 16.4 24.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

