

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032519\  
 Data File : BE099199.D  
 Acq On : 26 Mar 2019 3:06  
 Operator : JU/SJ  
 Sample : K2073-05RE  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P001-TW002-02

Quant Time: Mar 26 07:11:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3436     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 14877    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 11638    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.21 | 188  | 32571    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 37533    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 34073    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 1770     | 0.17 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 1659     | 0.11 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 4469     | 0.37 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 10757    | 0.38 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 1530     | 0.46 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 18757    | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 156794   | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 38627    | 0.47 | ng    | 0.00     |

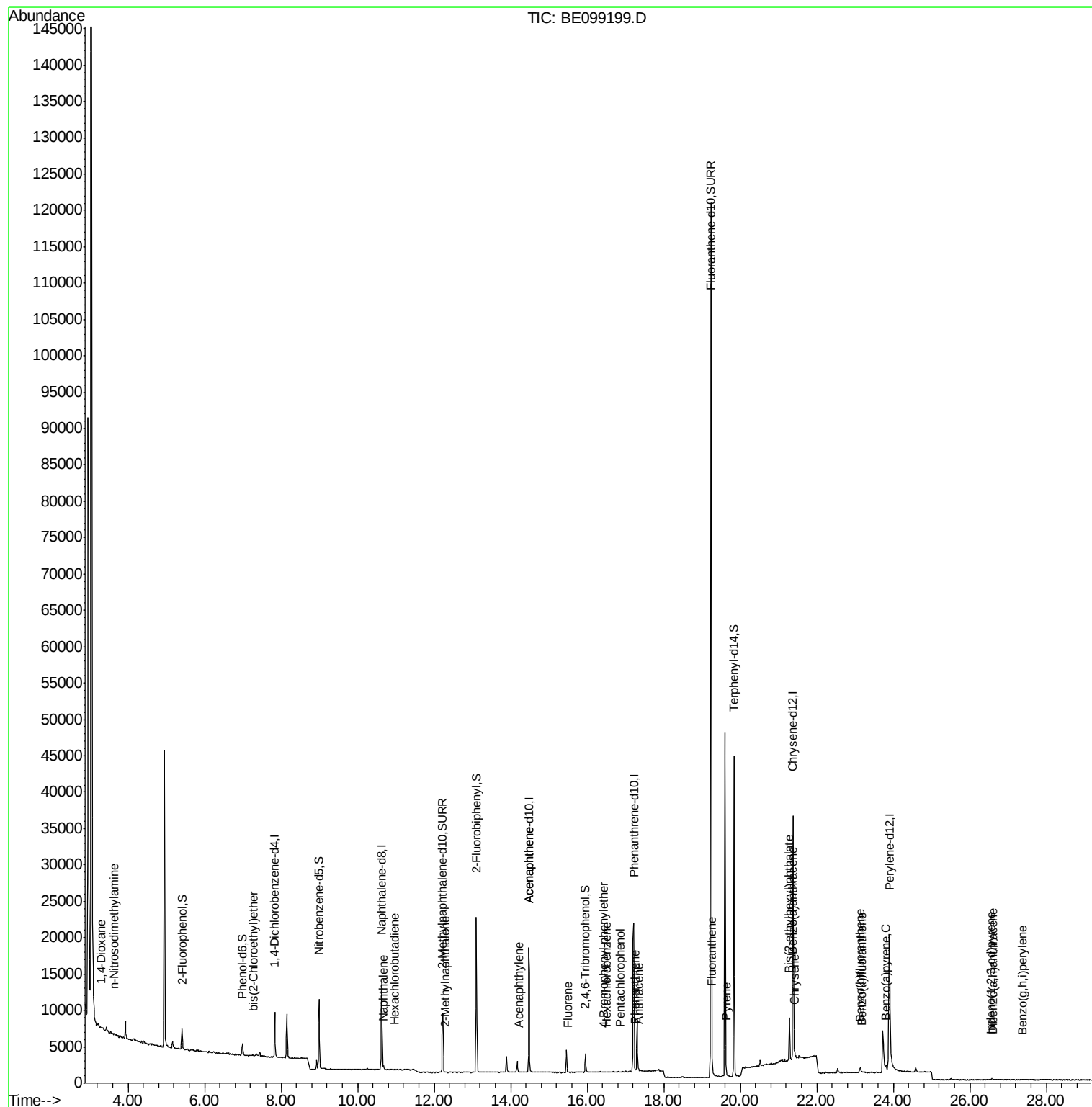
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88   | 163      | 0.036 | ng    | # 30   |
| 3) n-Nitrosodimethylamine      | 3.63  | 42   | 94       | 0.037 | ng    | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 23       | 0.002 | ng    | # 51   |
| 9) Naphthalene                 | 10.68 | 128  | 811      | 0.005 | ng    | # 78   |
| 10) Hexachlorobutadiene        | 10.96 | 225  | 11       | 0.001 | ng    | # 19   |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 35       | 0.001 | ng    | # 43   |
| 16) Acenaphthylene             | 14.21 | 152  | 44       | 0.001 | ng    | # 42   |
| 17) Acenaphthene               | 14.47 | 154  | 37       | 0.001 | ng    | # 50   |
| 18) Fluorene                   | 15.50 | 166  | 71       | 0.001 | ng    | # 10   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248  | 18       | 0.001 | ng    | # 51   |
| 21) Hexachlorobenzene          | 16.50 | 284  | 39       | 0.002 | ng    | # 37   |
| 22) Pentachlorophenol          | 16.85 | 266  | 31       | 0.249 | ng    | 86     |
| 23) Phenanthrene               | 17.25 | 178  | 246      | 0.003 | ng    | # 63   |
| 24) Anthracene                 | 17.33 | 178  | 75       | 0.001 | ng    | # 32   |
| 26) Fluoranthene               | 19.26 | 202  | 292      | 0.002 | ng    | # 89   |
| 28) Pyrene                     | 19.63 | 202  | 356      | 0.003 | ng    | # 66   |
| 30) Benzo(a)anthracene         | 21.37 | 228  | 290      | 0.002 | ng    | # 45   |
| 31) Chrysene                   | 21.41 | 228  | 290      | 0.002 | ng    | # 65   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 8748     | 0.059 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 56       | 0.000 | ng    | # 64   |
| 35) Benzo(b)fluoranthene       | 23.13 | 252  | 397      | 0.004 | ng    | # 1    |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 270      | 0.002 | ng    | # 1    |
| 37) Benzo(a)pyrene             | 23.79 | 252  | 50       | 0.000 | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.59 | 278  | 37       | 0.000 | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276  | 102      | 0.001 | ng    | # 1    |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

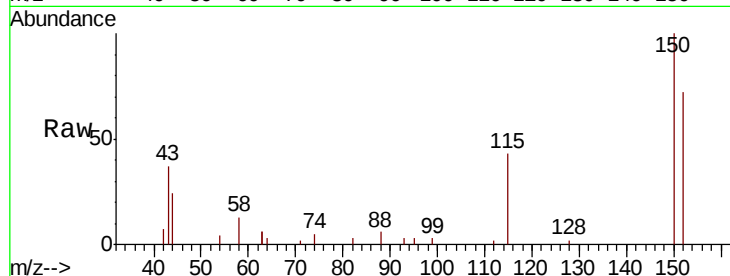
Tgt Ion: 152 Resp: 3436

Ion Ratio Lower Upper

152 100

150 138.6 112.8 169.2

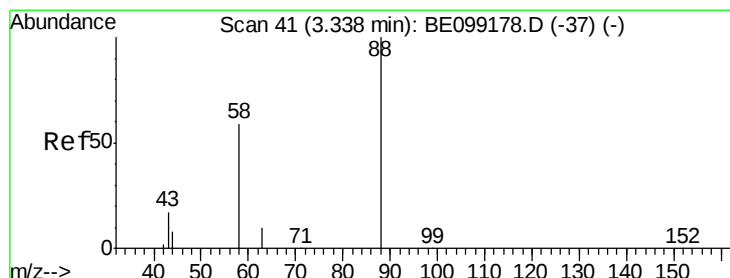
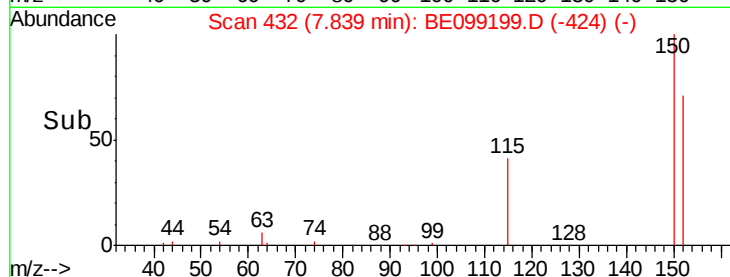
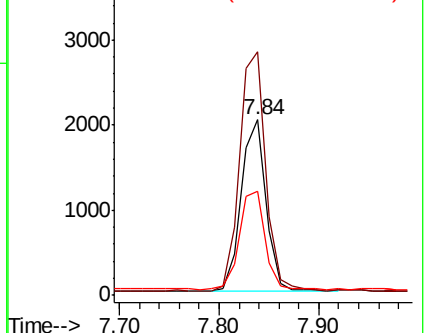
115 59.6 45.1 67.7



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: 0.036 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.05 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

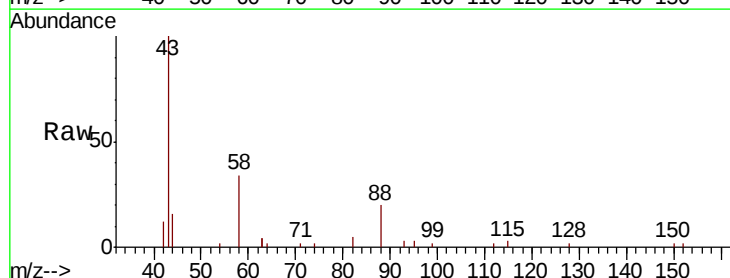
Tgt Ion: 88 Resp: 163

Ion Ratio Lower Upper

88 100

58 0.0 47.4 71.0#

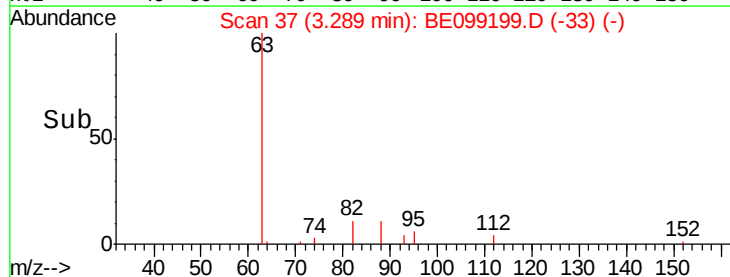
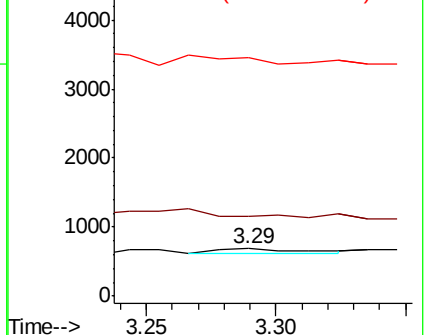
43 0.0 15.6 23.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.037 ng

RT: 3.63 min Scan# 67

Delta R.T. -0.04 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

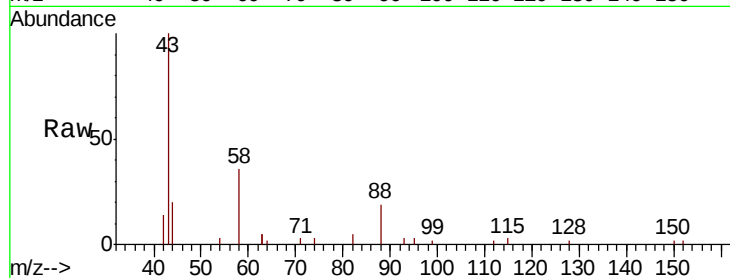
Tgt Ion: 42 Resp: 94

Ion Ratio Lower Upper

42 100

74 24.5 138.6 207.8#

44 66.0 15.0 22.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

800

600

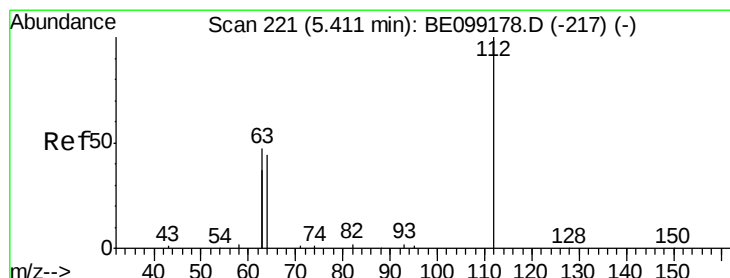
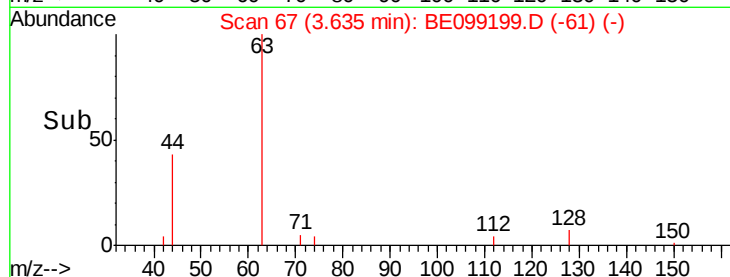
400

200

0

3.60 3.65 3.70

Time-->



#4

2-Fluorophenol

Concen: 0.173 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

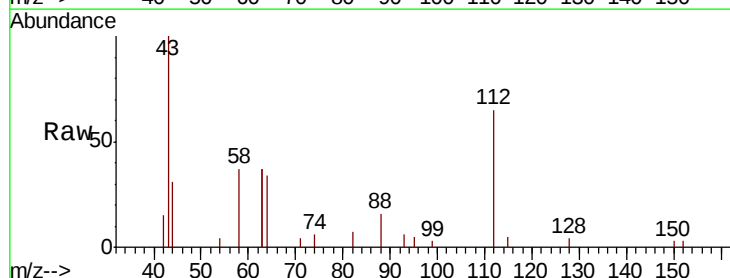
Tgt Ion: 112 Resp: 1770

Ion Ratio Lower Upper

112 100

64 61.4 46.2 69.2

63 125.1 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

2000

1500

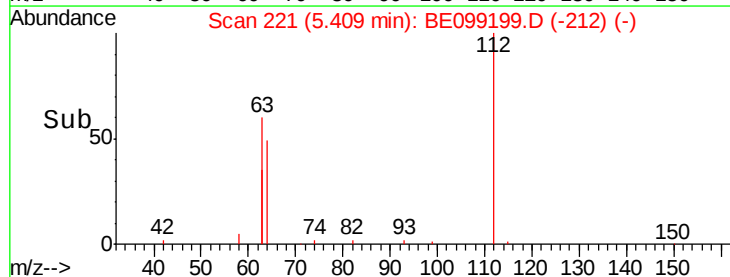
1000

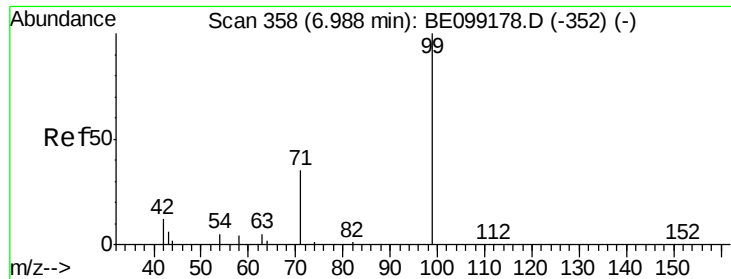
500

0

5.30 5.40 5.50 5.60

Time-->





#5

Phenol-d6

Concen: 0.106 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

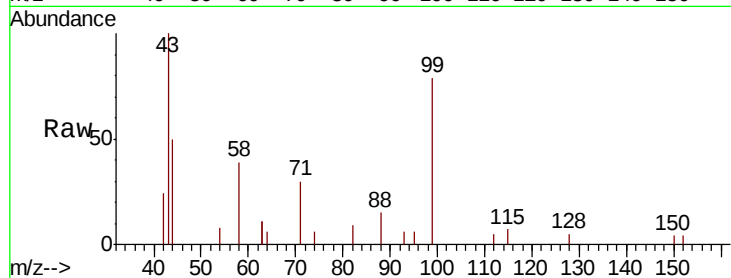
Tgt Ion: 99 Resp: 1659

Ion Ratio Lower Upper

99 100

42 19.6 12.4 18.6#

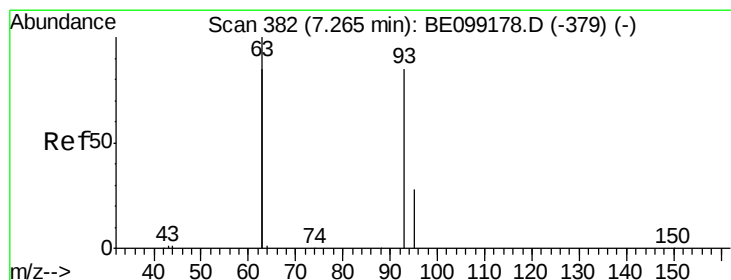
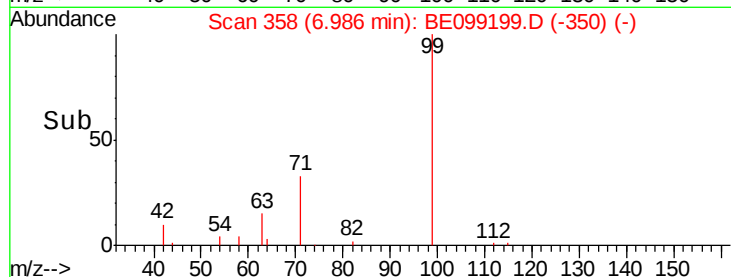
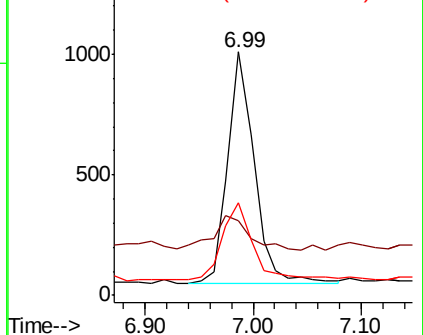
71 38.9 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

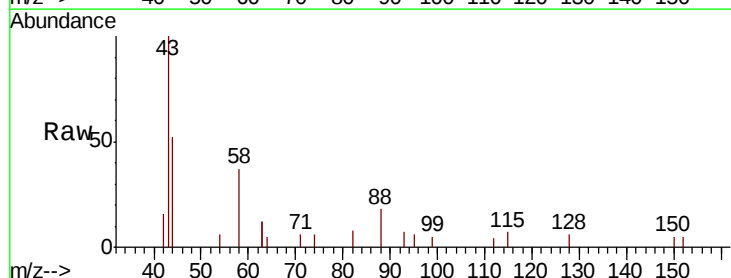
Tgt Ion: 93 Resp: 23

Ion Ratio Lower Upper

93 100

63 365.2 221.4 332.0#

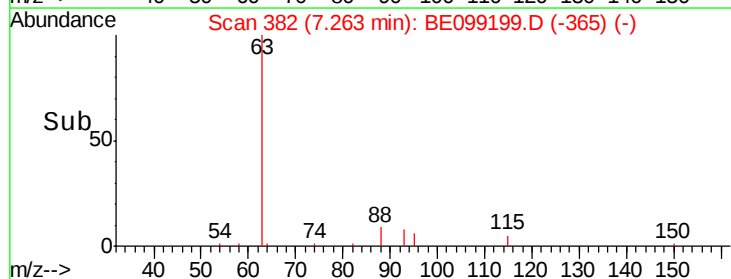
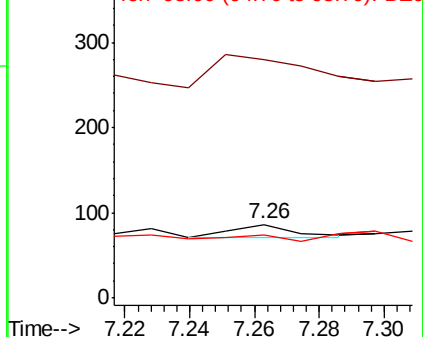
95 0.0 25.8 38.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

Tgt Ion:136 Resp: 14877

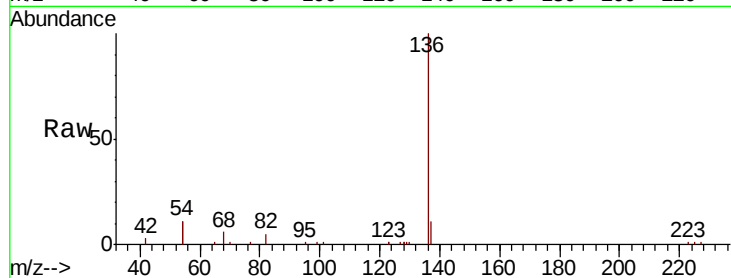
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 22.4 18.7 28.1

68 6.5 5.2 7.8

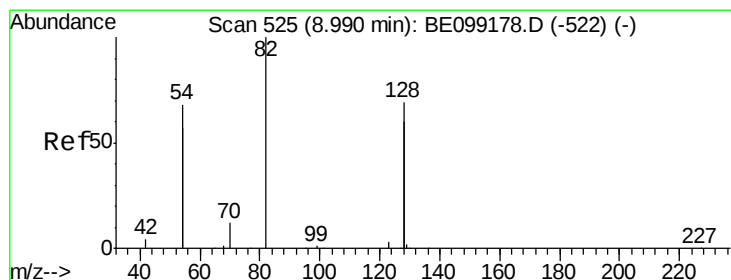
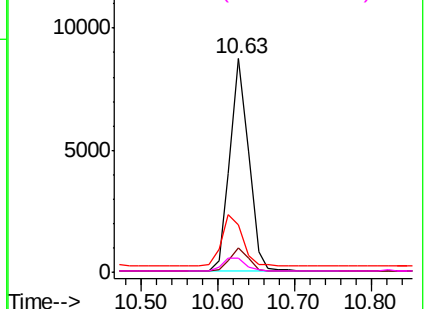
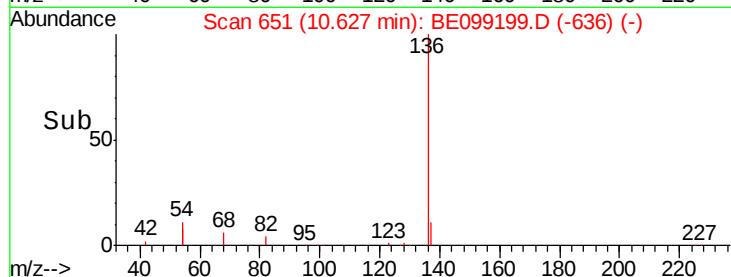


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.368 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

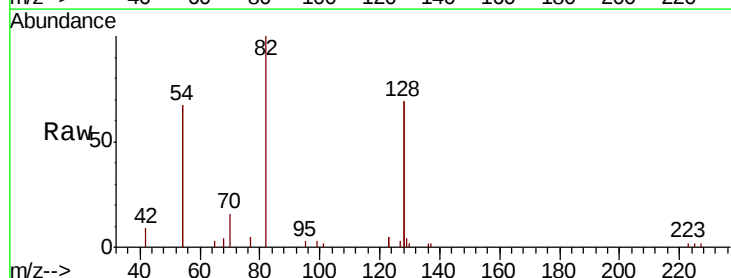
Tgt Ion: 82 Resp: 4469

Ion Ratio Lower Upper

82 100

128 137.3 107.5 161.3

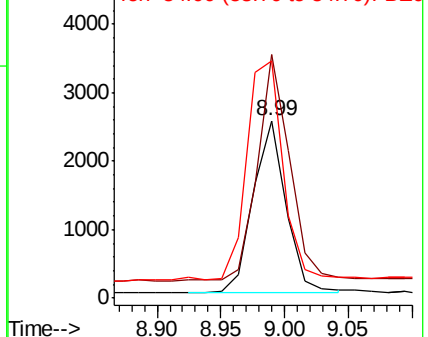
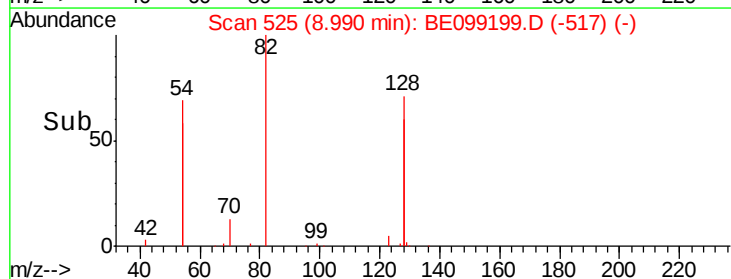
54 133.9 106.3 159.5

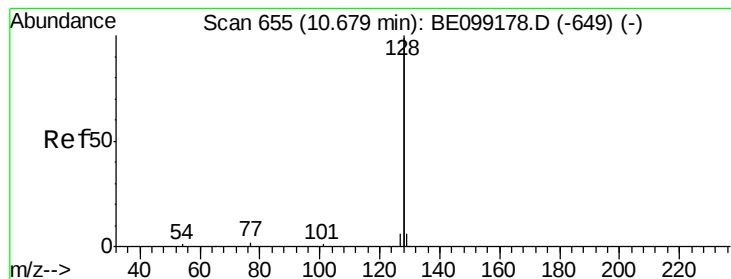


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.005 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099199.D

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P001-TW002-02

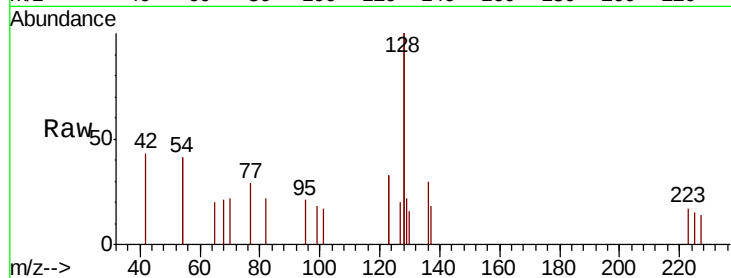
Tgt Ion:128 Resp: 811

Ion Ratio Lower Upper

128 100

129 11.0 2.3 3.5#

127 10.0 2.6 3.8#



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

10.68

800

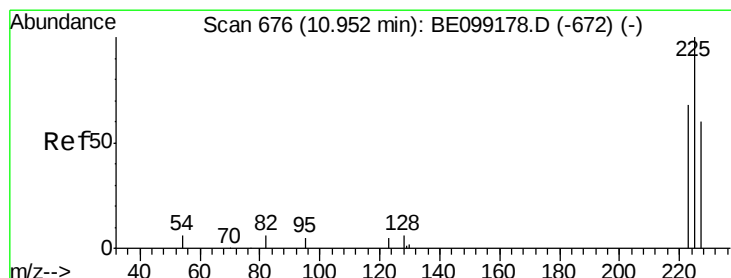
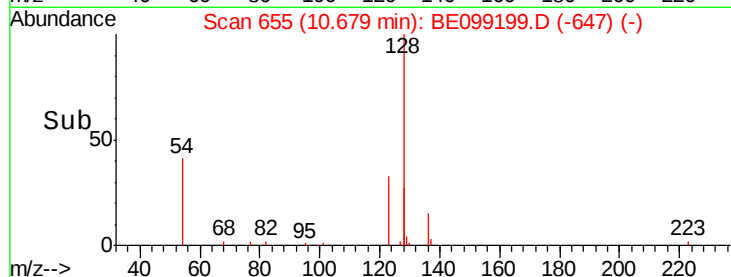
600

400

200

0

Time-->



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.96 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

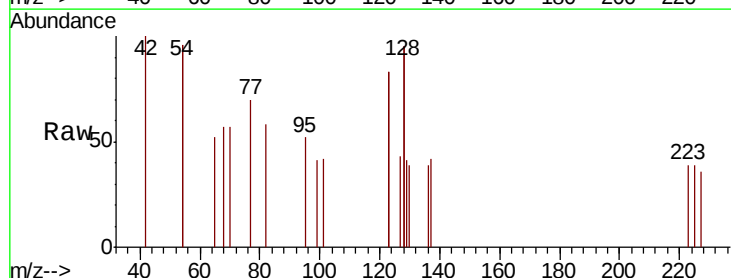
Tgt Ion:225 Resp: 11

Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

227 0.0 48.6 73.0#



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

10.96

80

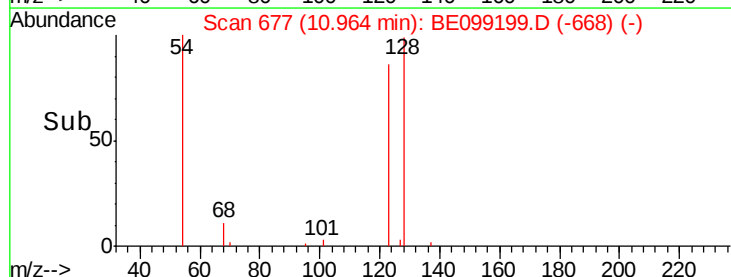
60

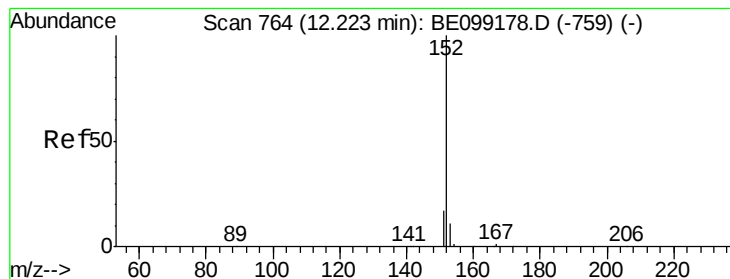
40

20

0

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

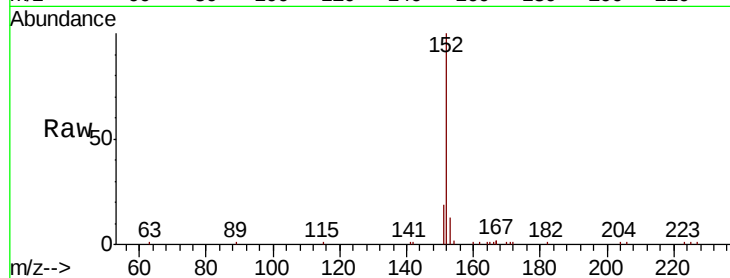
P001-TW002-02

Tgt Ion:152 Resp: 10757

Ion Ratio Lower Upper

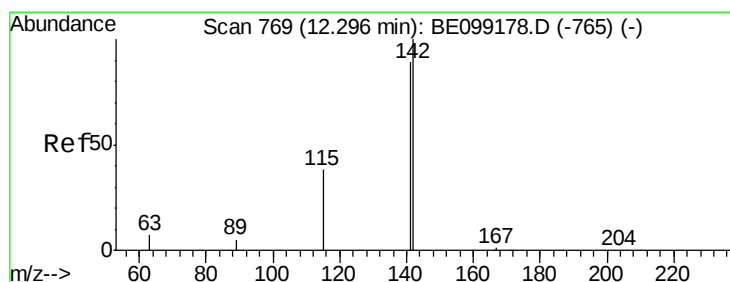
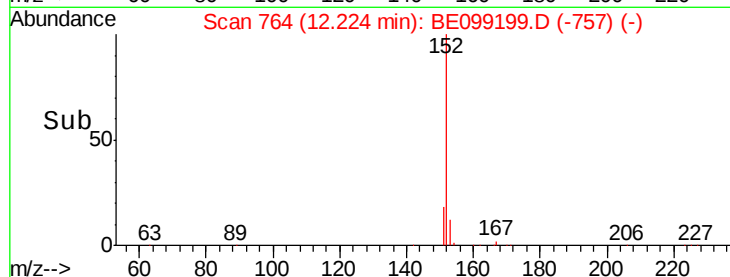
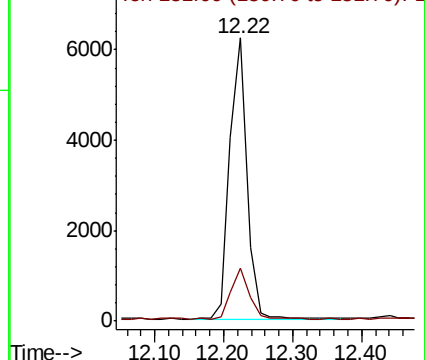
152 100

151 18.9 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.001 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

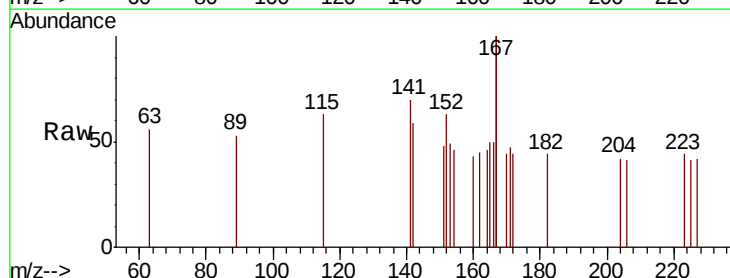
Tgt Ion:142 Resp: 35

Ion Ratio Lower Upper

142 100

141 118.8 71.3 106.9#

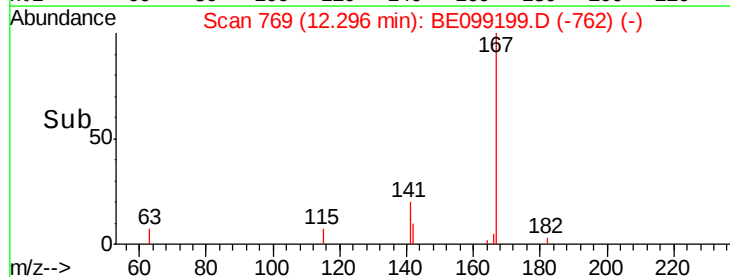
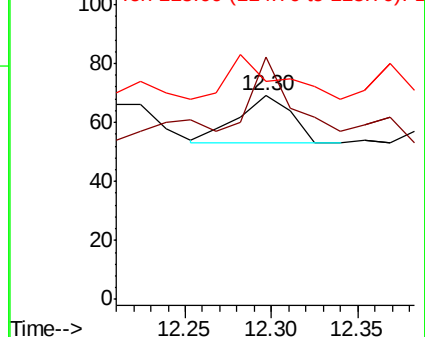
115 107.2 30.4 45.6#



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

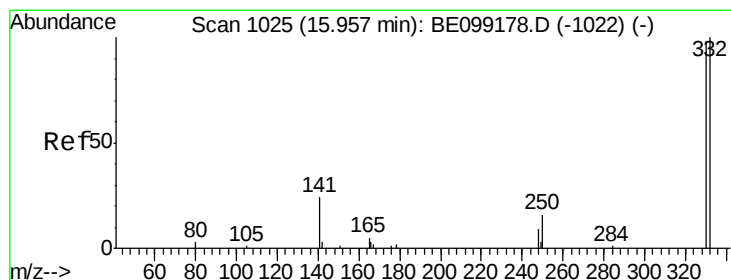
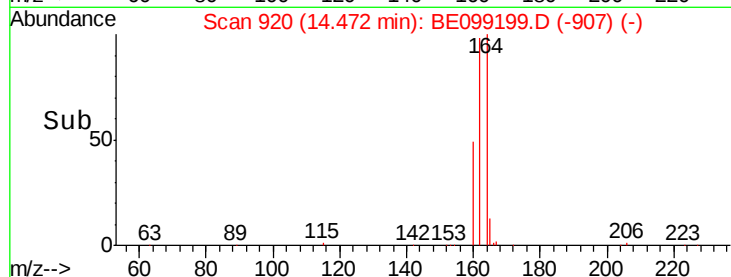
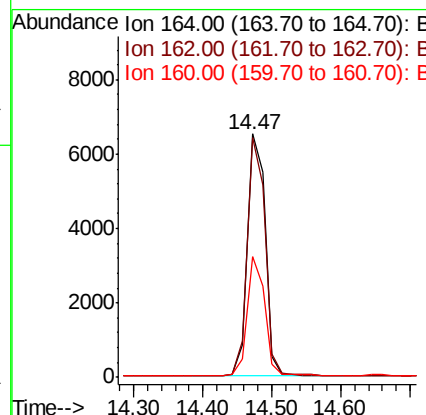
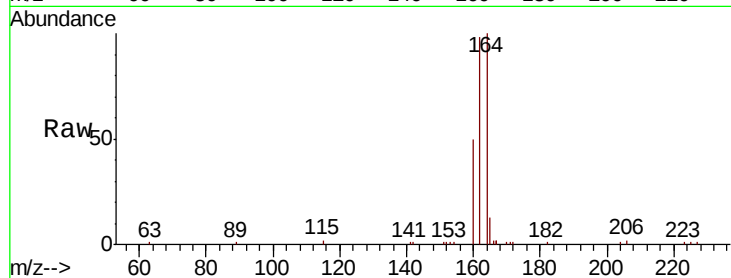




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099199.D  
Acq: 26 Mar 2019 3:06

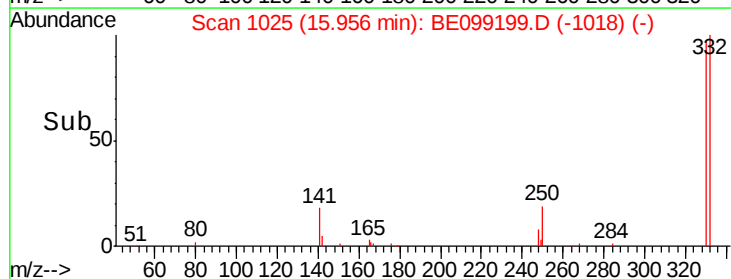
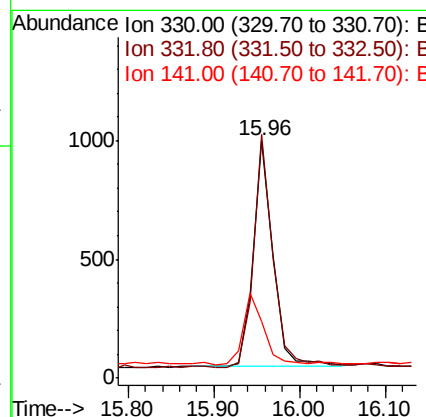
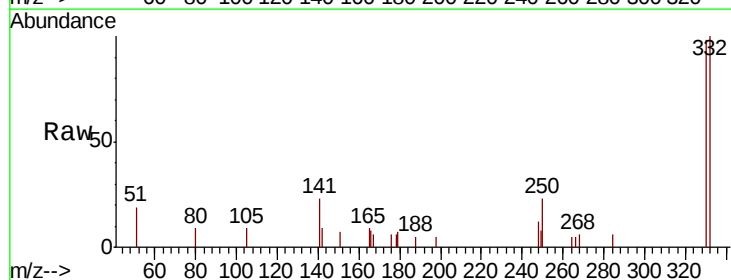
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW002-02

Tgt Ion:164 Resp: 11638  
Ion Ratio Lower Upper  
164 100  
162 98.2 79.2 118.8  
160 49.6 36.7 55.1



#14  
2,4,6-Tribromophenol  
Concen: 0.460 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE099199.D  
Acq: 26 Mar 2019 3:06

Tgt Ion:330 Resp: 1530  
Ion Ratio Lower Upper  
330 100  
332 101.0 71.3 106.9  
141 32.2 21.7 32.5

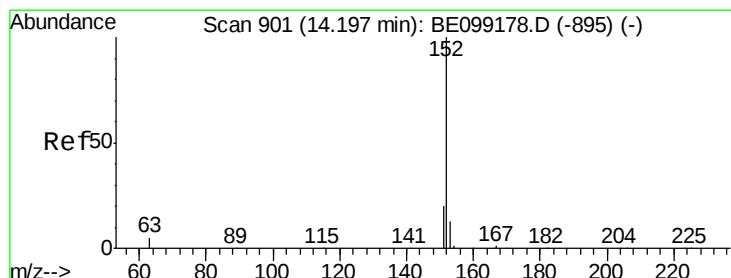
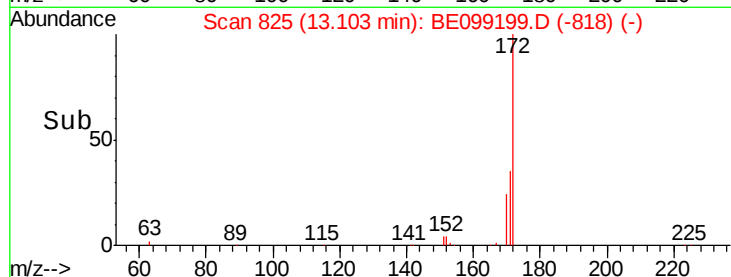
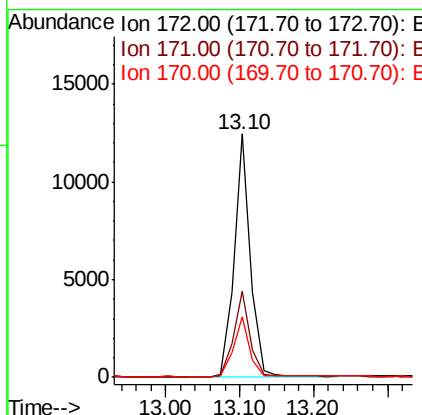
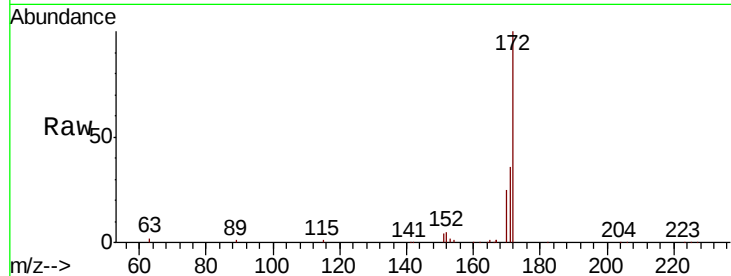




#15  
2-Fluorobiphenyl  
Concen: 0.395 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099199.D  
Acq: 26 Mar 2019 3:06

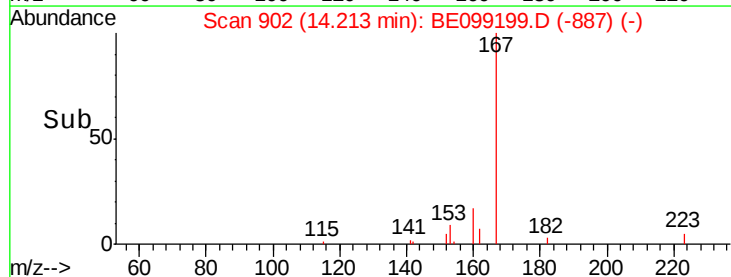
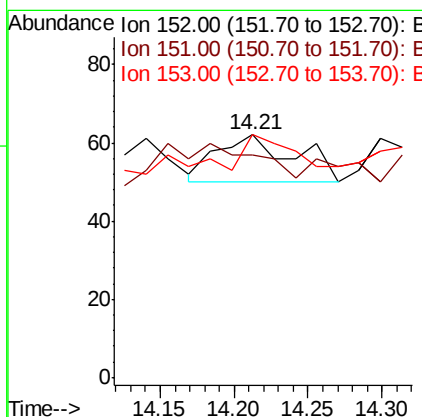
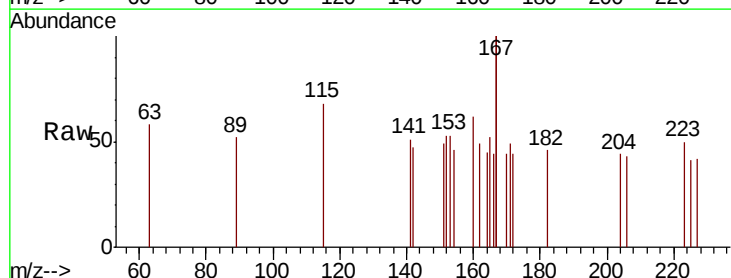
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW002-02

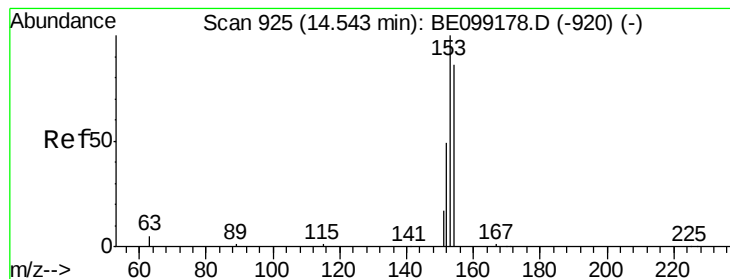
Tgt Ion:172 Resp: 18757  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.4 41.0  
170 24.7 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.001 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.02 min  
Lab File: BE099199.D  
Acq: 26 Mar 2019 3:06

Tgt Ion:152 Resp: 44  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.7 23.5#  
153 45.5 10.6 15.8#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.07 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

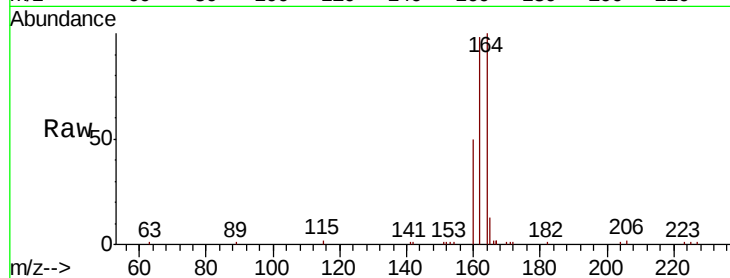
Tgt Ion:154 Resp: 37

Ion Ratio Lower Upper

154 100

153 37.8 93.4 140.0#

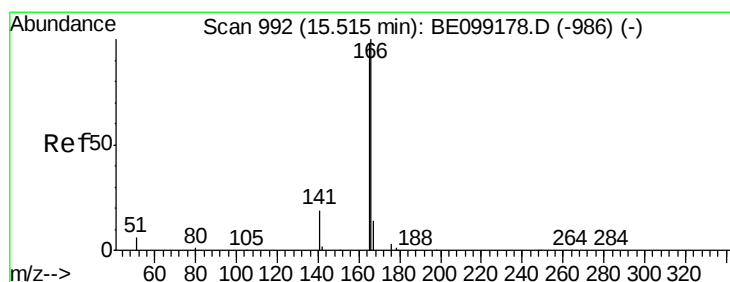
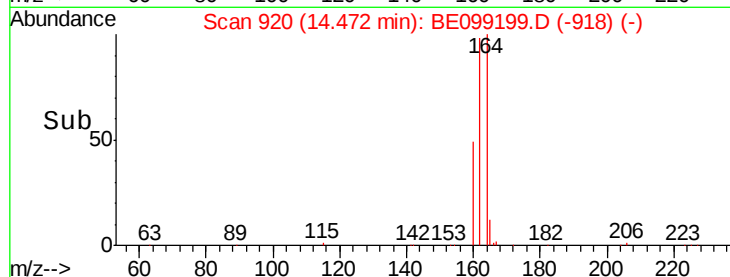
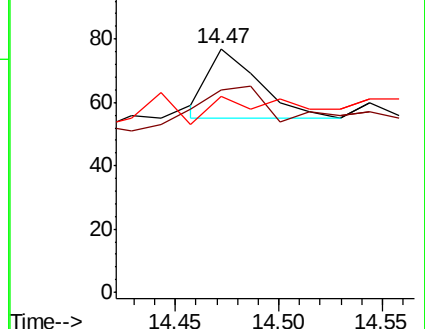
152 62.2 46.6 69.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.001 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

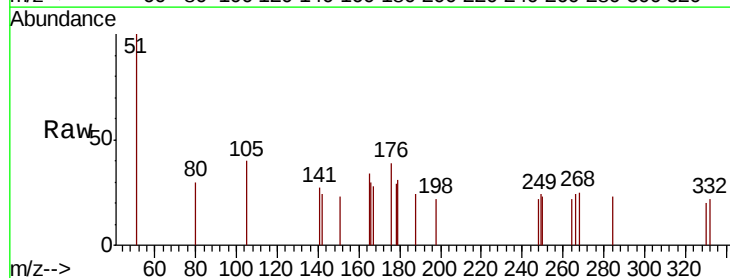
Tgt Ion:166 Resp: 71

Ion Ratio Lower Upper

166 100

165 0.0 78.9 118.3#

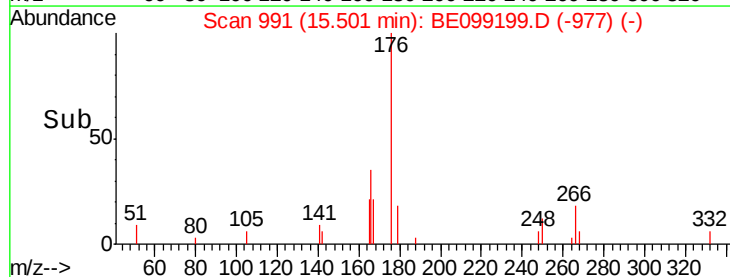
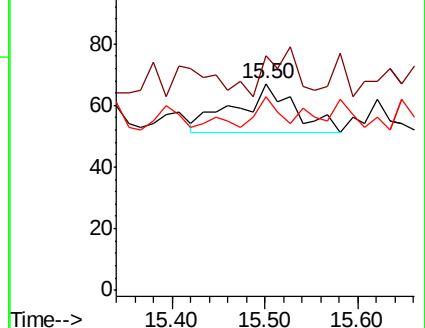
167 23.9 10.9 16.3#

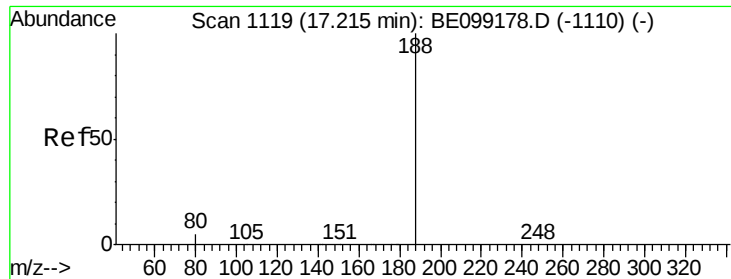


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

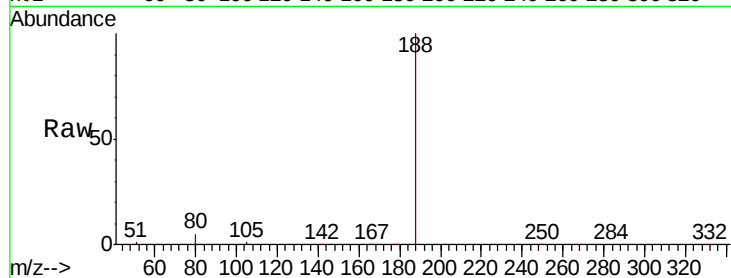
Tgt Ion:188 Resp: 32571

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

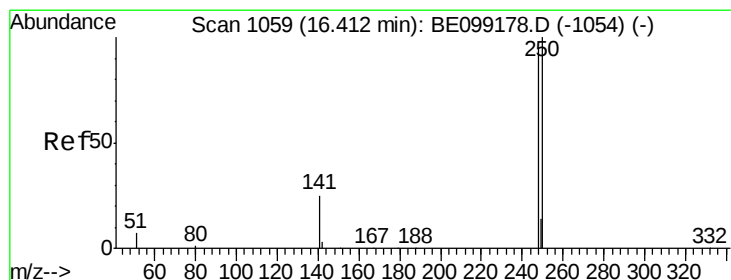
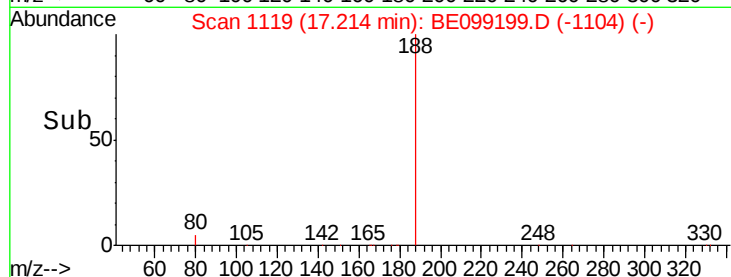
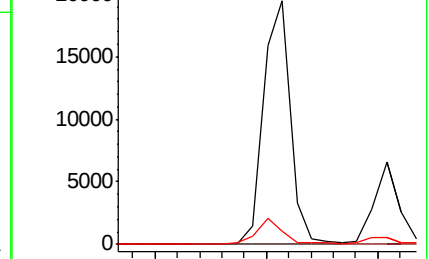
80 5.3 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.001 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

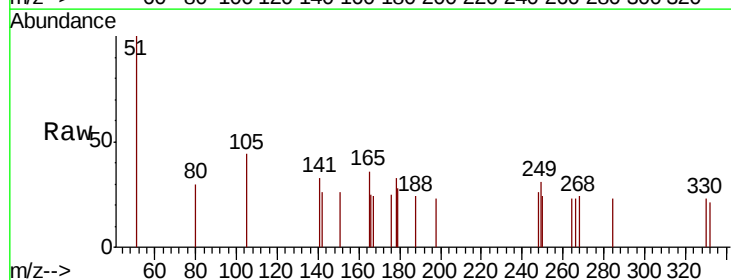
Tgt Ion:248 Resp: 18

Ion Ratio Lower Upper

248 100

250 93.0 84.2 126.2

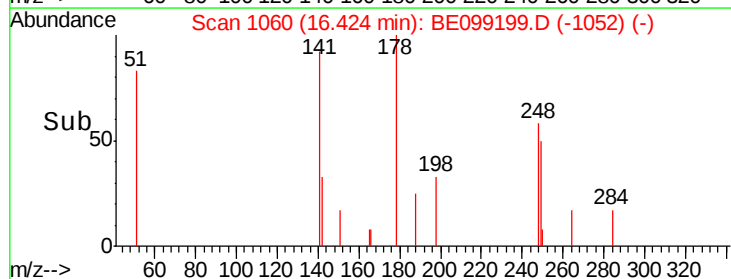
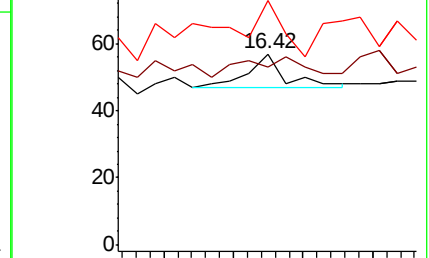
141 128.1 21.8 32.6#

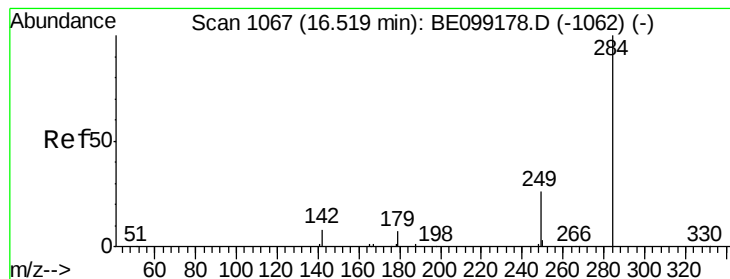


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

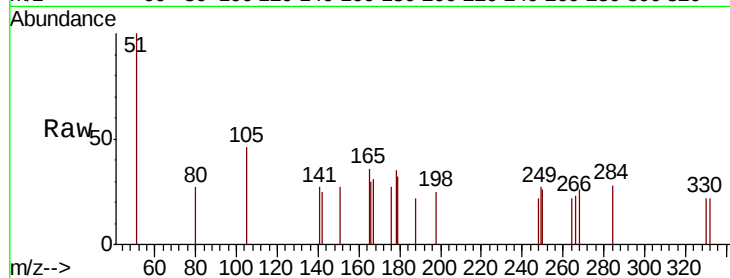
Tgt Ion:284 Resp: 39

Ion Ratio Lower Upper

284 100

142 64.1 22.7 34.1#

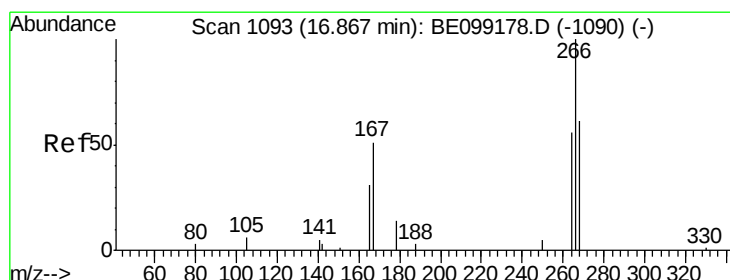
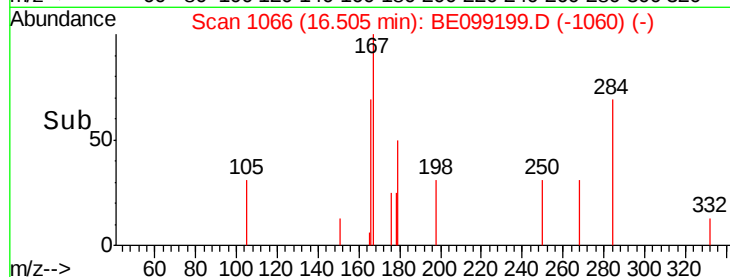
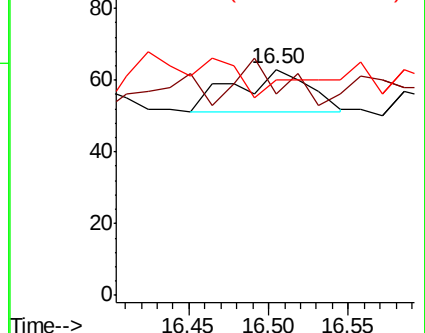
249 0.0 26.9 40.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.249 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

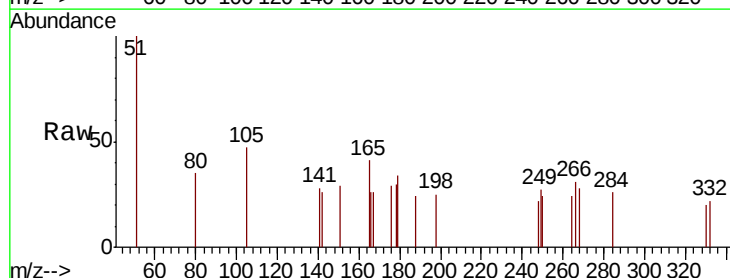
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 79.1 54.4 81.6

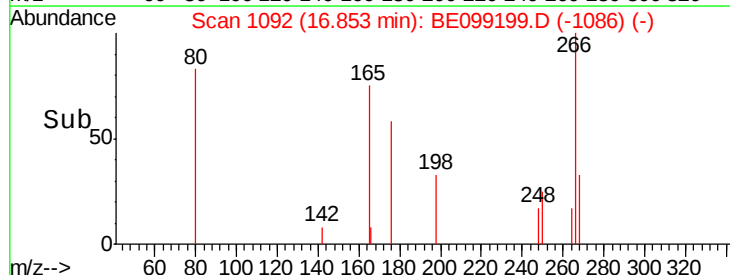
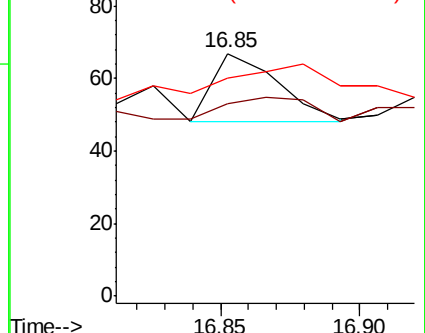
268 89.6 61.3 91.9

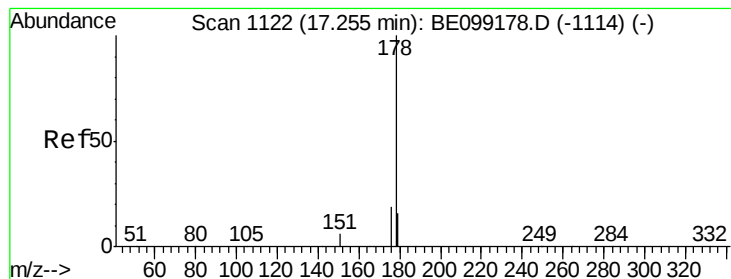


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.003 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

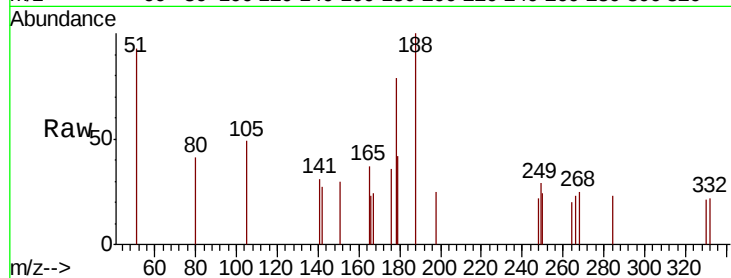
Tgt Ion:178 Resp: 246

Ion Ratio Lower Upper

178 100

176 34.1 15.4 23.2#

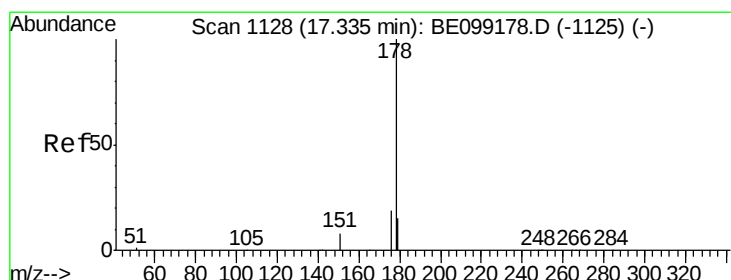
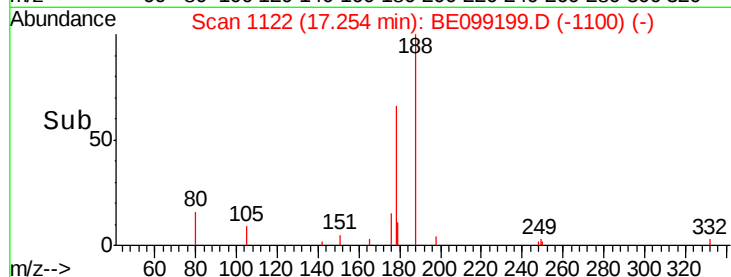
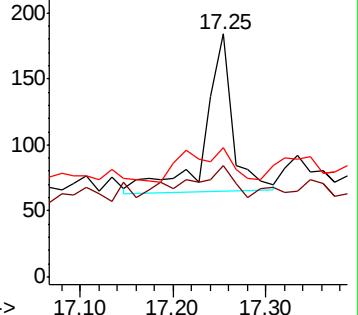
179 32.9 12.3 18.5#



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



#24

Anthracene

Concen: 0.001 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

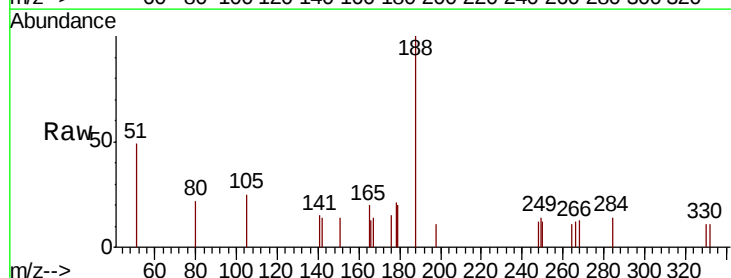
Tgt Ion:178 Resp: 75

Ion Ratio Lower Upper

178 100

176 29.3 15.1 22.7#

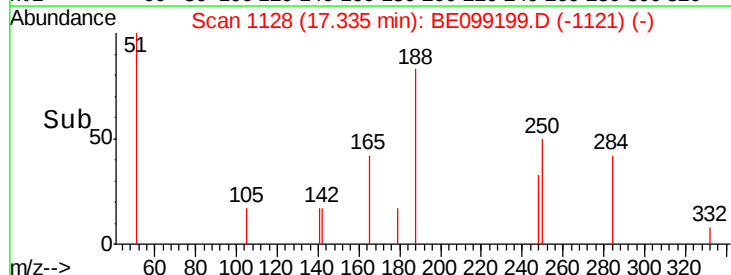
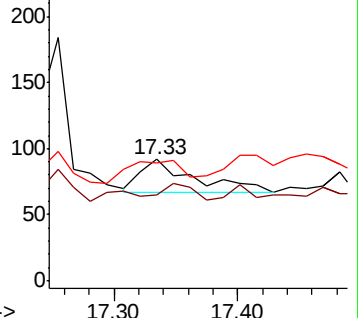
179 66.7 12.4 18.6#

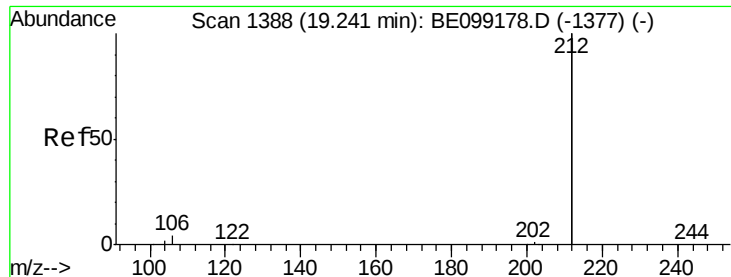


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

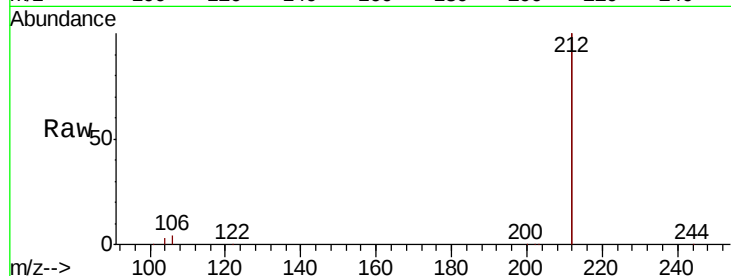
Tgt Ion:212 Resp: 156794

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

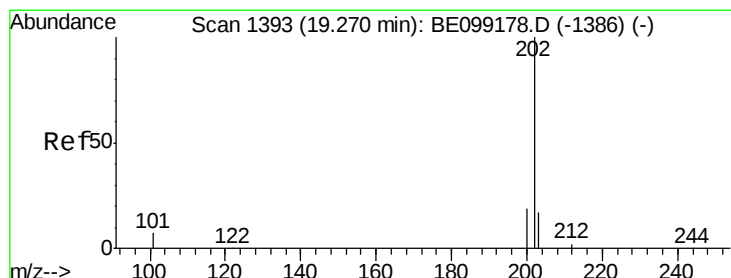
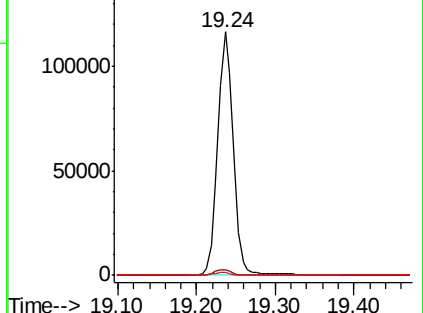
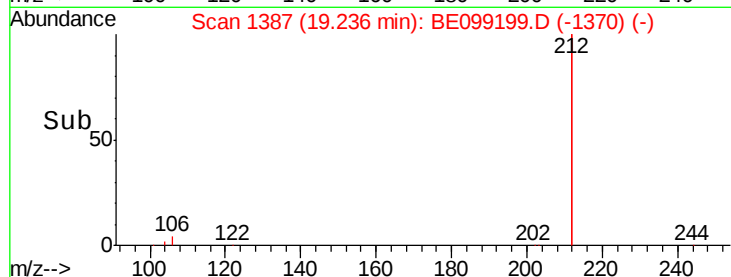
104 1.4 1.1 1.7



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: 0.002 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

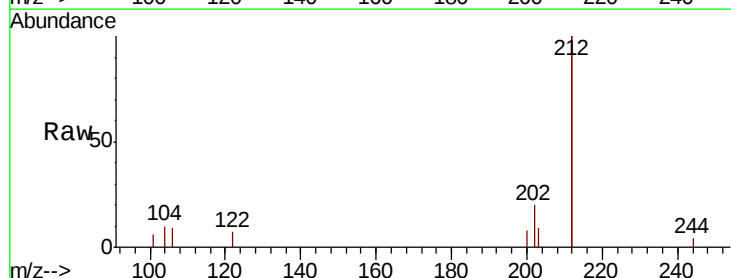
Tgt Ion:202 Resp: 292

Ion Ratio Lower Upper

202 100

101 0.0 7.0 10.4#

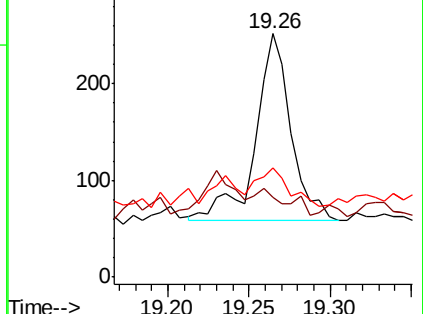
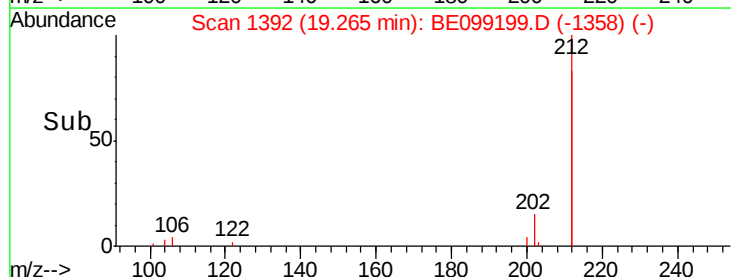
203 18.8 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

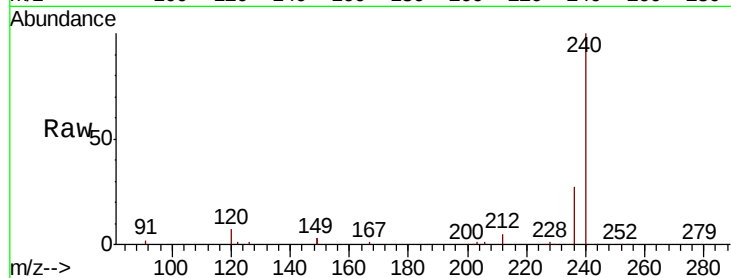
Tgt Ion:240 Resp: 37533

Ion Ratio Lower Upper

240 100

120 7.2 2.6 3.8#

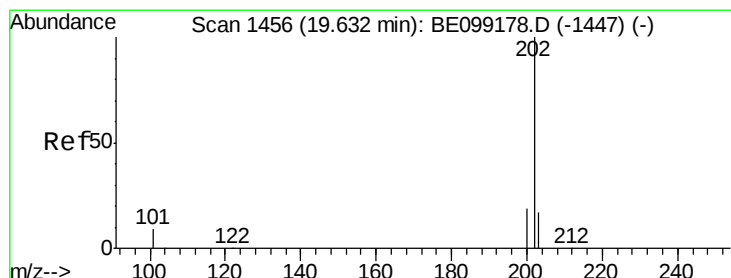
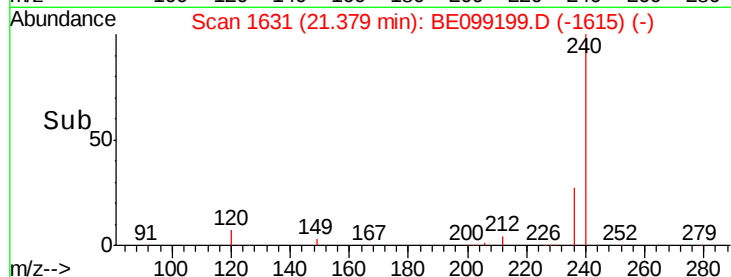
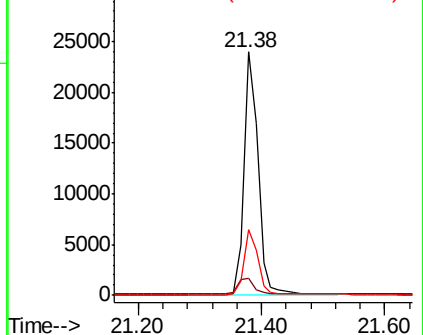
236 27.2 20.9 31.3



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: 0.003 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

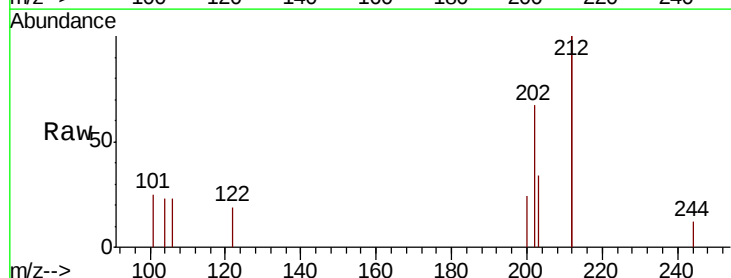
Tgt Ion:202 Resp: 356

Ion Ratio Lower Upper

202 100

200 22.8 15.8 23.8

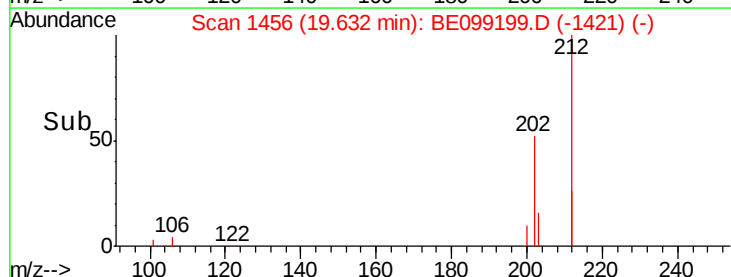
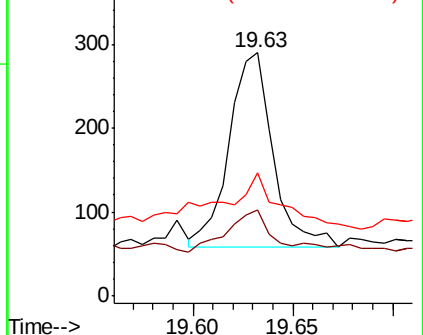
203 46.1 14.1 21.1#

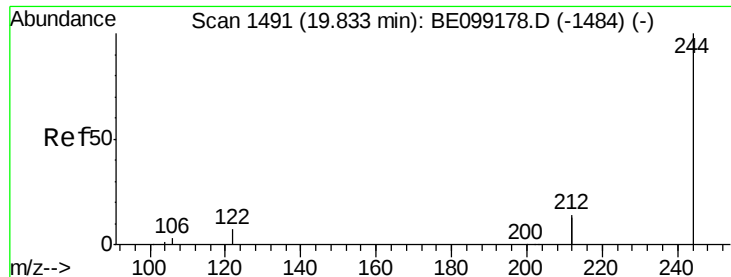


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.473 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

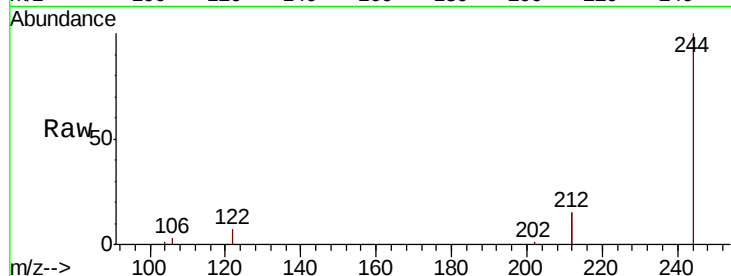
Tgt Ion:244 Resp: 38627

Ion Ratio Lower Upper

244 100

212 30.6 22.7 34.1

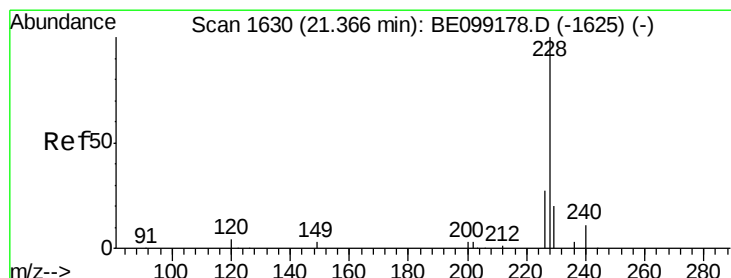
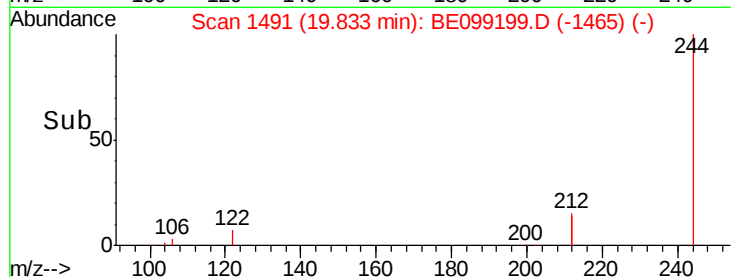
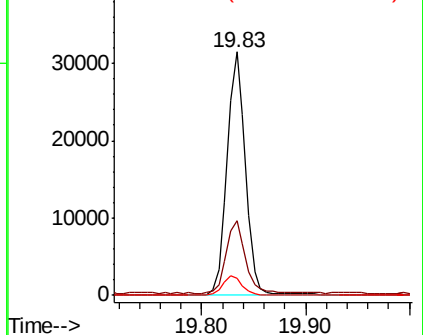
122 7.0 5.8 8.6



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: 0.002 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

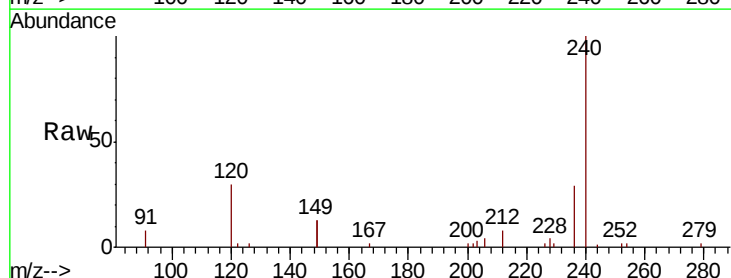
Tgt Ion:228 Resp: 290

Ion Ratio Lower Upper

228 100

226 48.1 21.7 32.5#

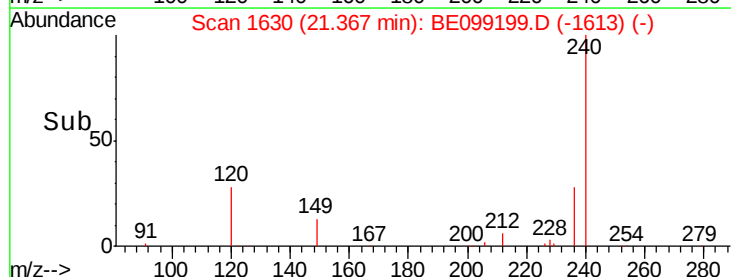
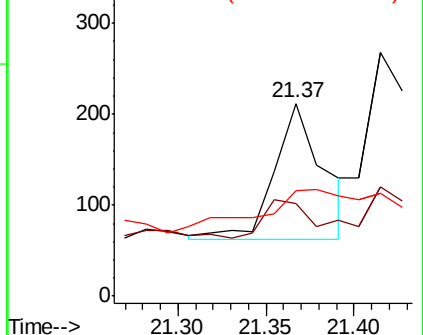
229 54.7 15.9 23.9#



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: 0.002 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

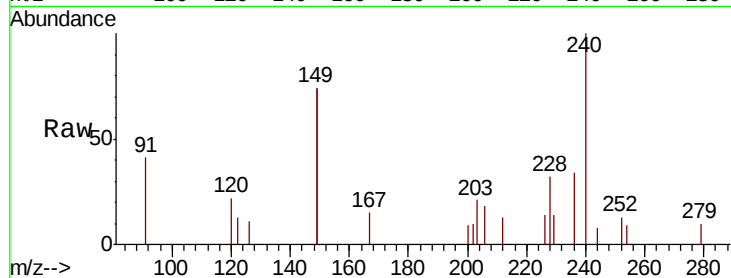
Tgt Ion: 228 Resp: 290

Ion Ratio Lower Upper

228 100

226 44.8 24.8 37.2#

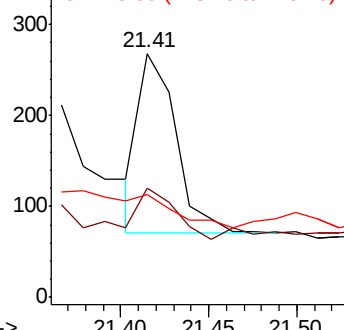
229 42.2 15.4 23.0#



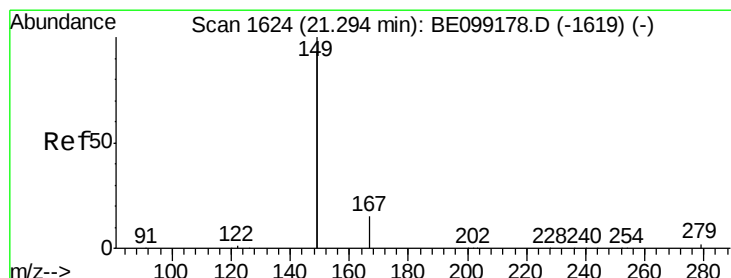
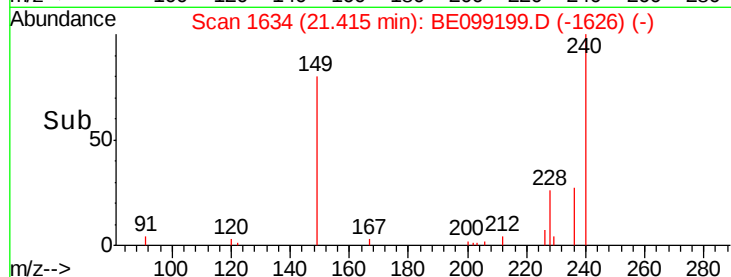
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

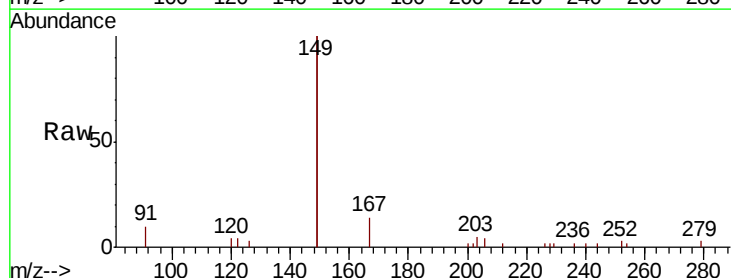
Tgt Ion: 149 Resp: 8748

Ion Ratio Lower Upper

149 100

167 6.9 5.9 8.9

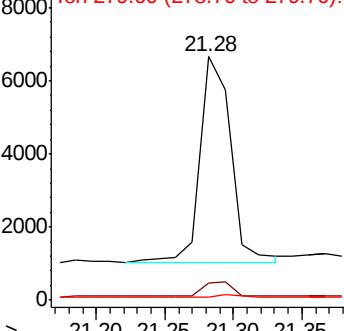
279 1.3 1.0 1.6



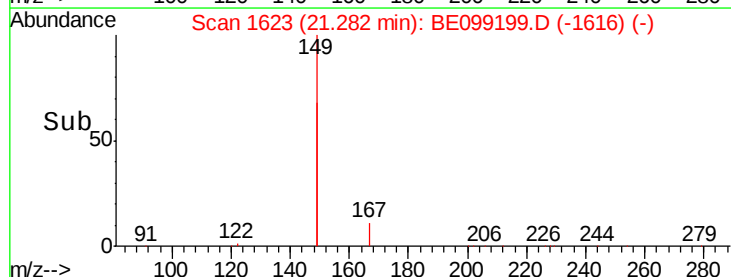
Abundance Ion 149.00 (148.70 to 149.70): E

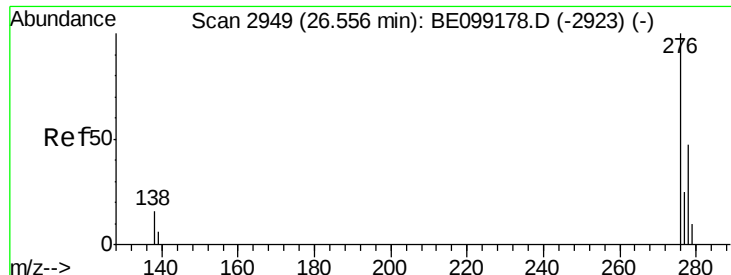
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

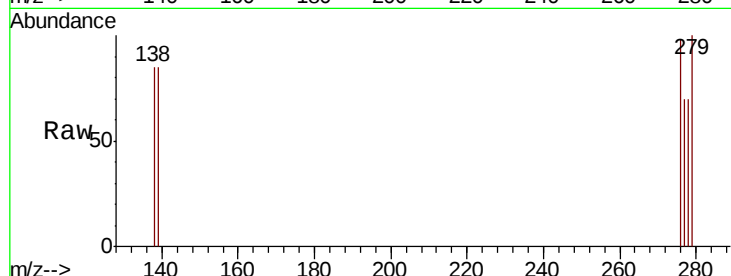
Tgt Ion: 276 Resp: 56

Ion Ratio Lower Upper

276 100

138 7.1 12.9 19.3#

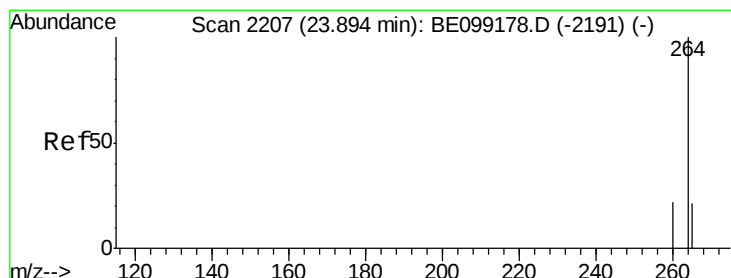
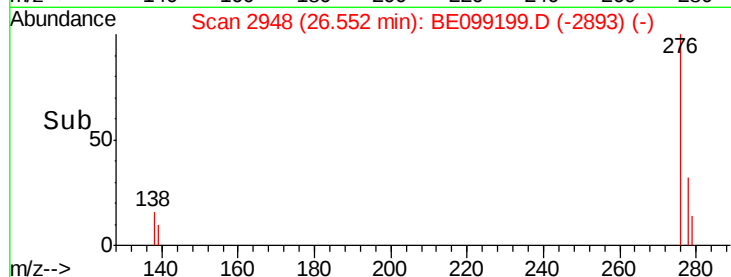
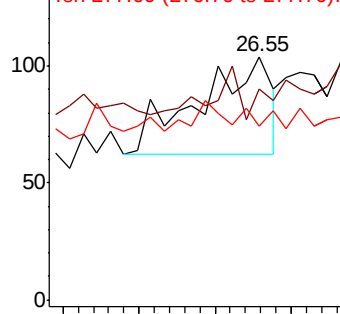
277 0.0 18.3 27.5#



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: 23.89 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

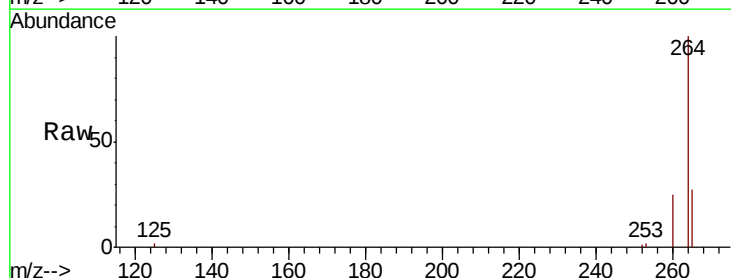
Tgt Ion: 264 Resp: 34073

Ion Ratio Lower Upper

264 100

260 25.3 18.2 27.2

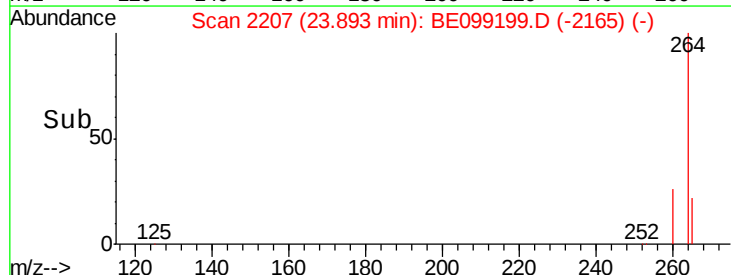
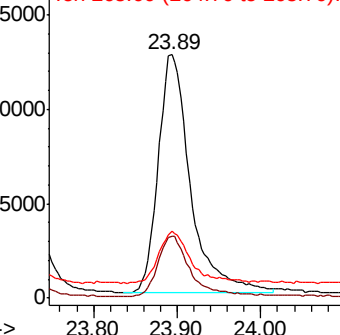
265 27.4 21.8 32.8



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: 0.004 ng

RT: 23.13 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

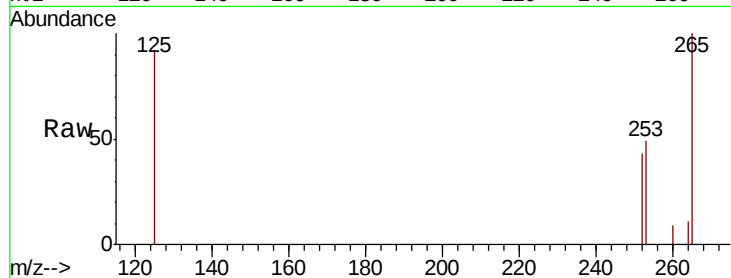
Tgt Ion:252 Resp: 397

Ion Ratio Lower Upper

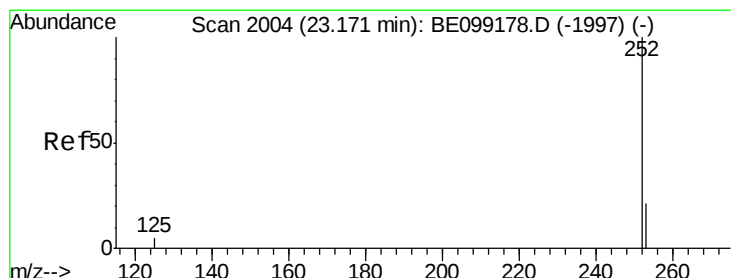
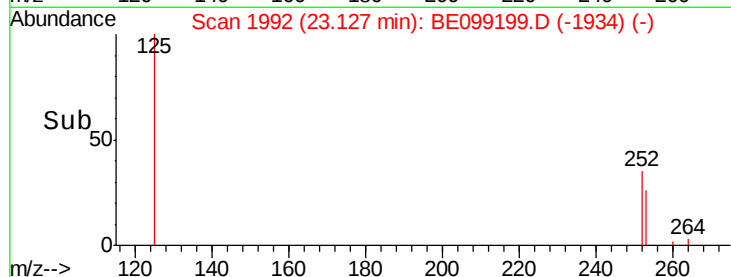
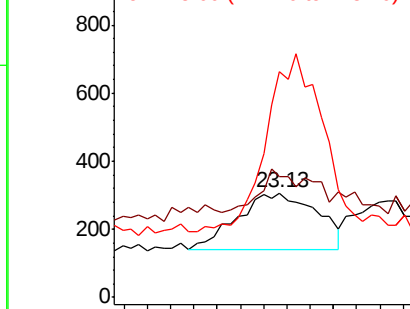
252 100

253 115.7 17.8 26.8#

125 216.3 6.1 9.1#



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: 0.002 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

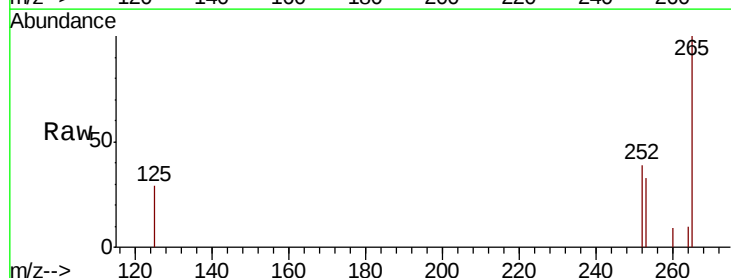
Tgt Ion:252 Resp: 270

Ion Ratio Lower Upper

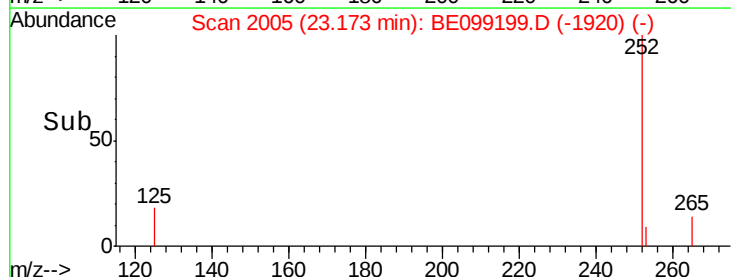
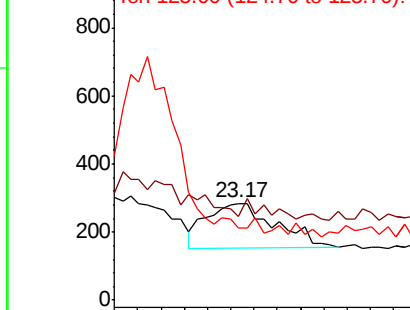
252 100

253 86.3 17.8 26.6#

125 74.7 5.9 8.9#



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: 0.000 ng

RT: 23.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02

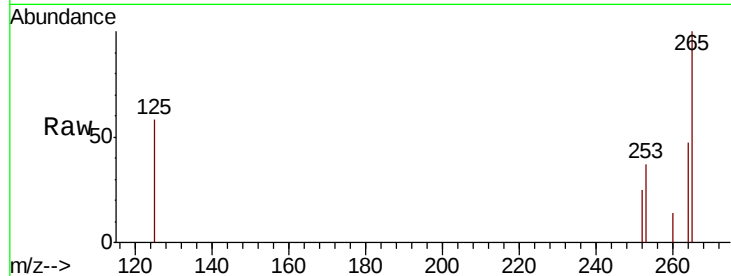
Tgt Ion: 252 Resp: 50

Ion Ratio Lower Upper

252 100

253 147.0 18.1 27.1#

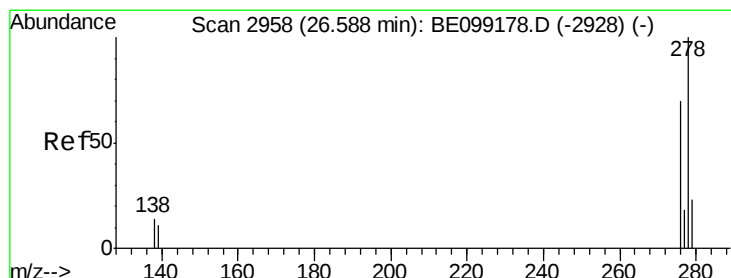
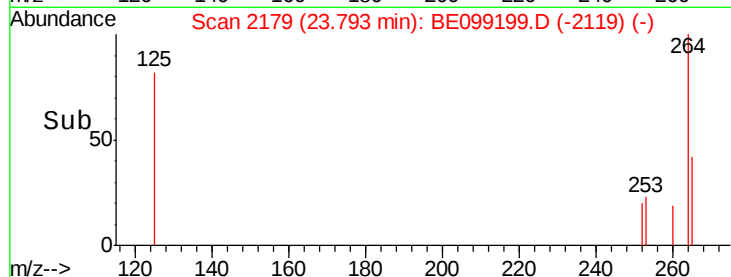
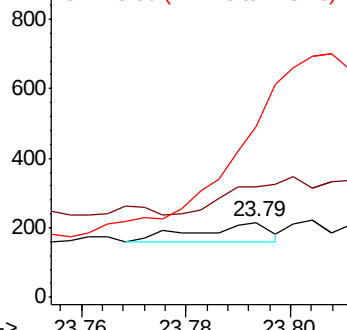
125 227.9 6.8 10.2#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.59 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BE099199.D

Acq: 26 Mar 2019 3:06

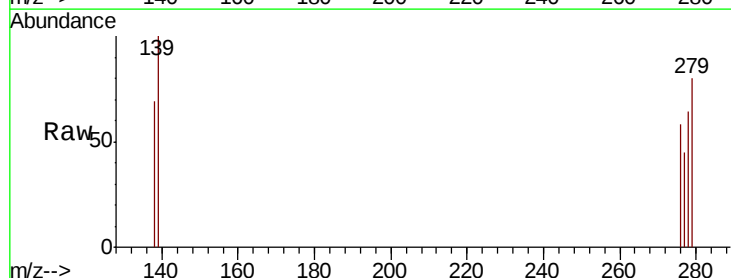
Tgt Ion: 278 Resp: 37

Ion Ratio Lower Upper

278 100

139 155.6 9.5 14.3#

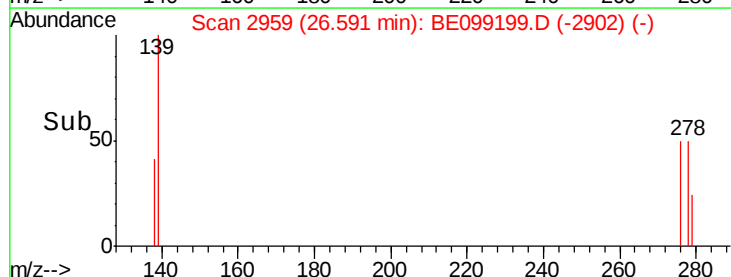
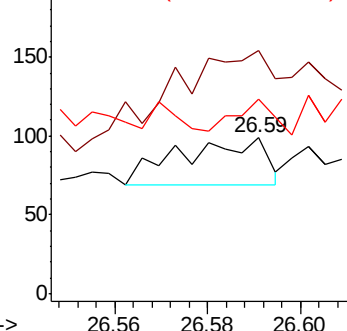
279 124.2 19.1 28.7#

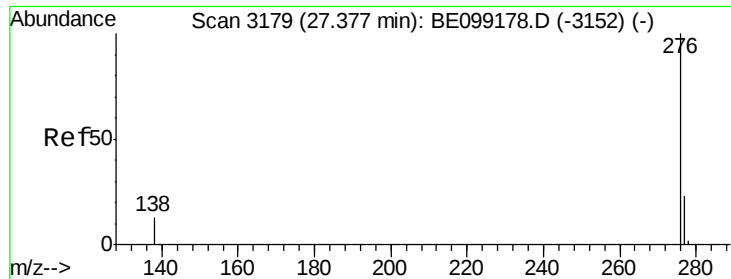


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.001 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099199.D

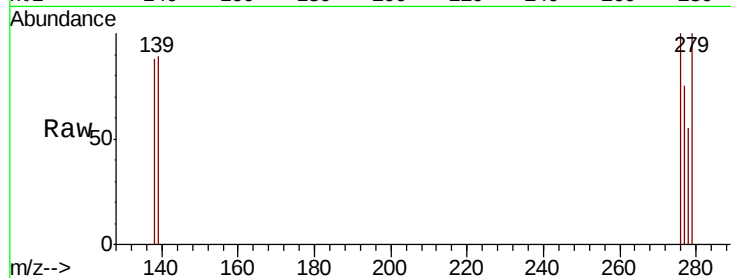
Acq: 26 Mar 2019 3:06

Instrument :

BNA\_E

ClientSampleId :

P001-TW002-02



Tgt Ion: 276 Resp: 102

Ion Ratio Lower Upper

276 100

277 74.5 19.0 28.4#

138 87.7 11.1 16.7#

