

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099210.D  
 Acq On : 26 Mar 2019 11:09  
 Operator : JU/SJ  
 Sample : K2073-02MSRE  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P001-TW001-03MS

Quant Time: Mar 26 11:53:51 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  | 3391     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 13866    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 10566    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.31 | 188  | 8648     | 0.40 | ng    | 0.09     |
| 27) Chrysene-d12          | 21.38 | 240  | 37492    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 34468    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 1728     | 0.17 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 1626     | 0.11 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 4361     | 0.39 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 13926    | 0.52 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 1730     | 0.52 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 17168    | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.60 | 212  | 42975    | 0.41 | ng    | 0.36     |
| 29) Terphenyl-d14           | 19.83 | 244  | 31926    | 0.39 | ng    | 0.00     |

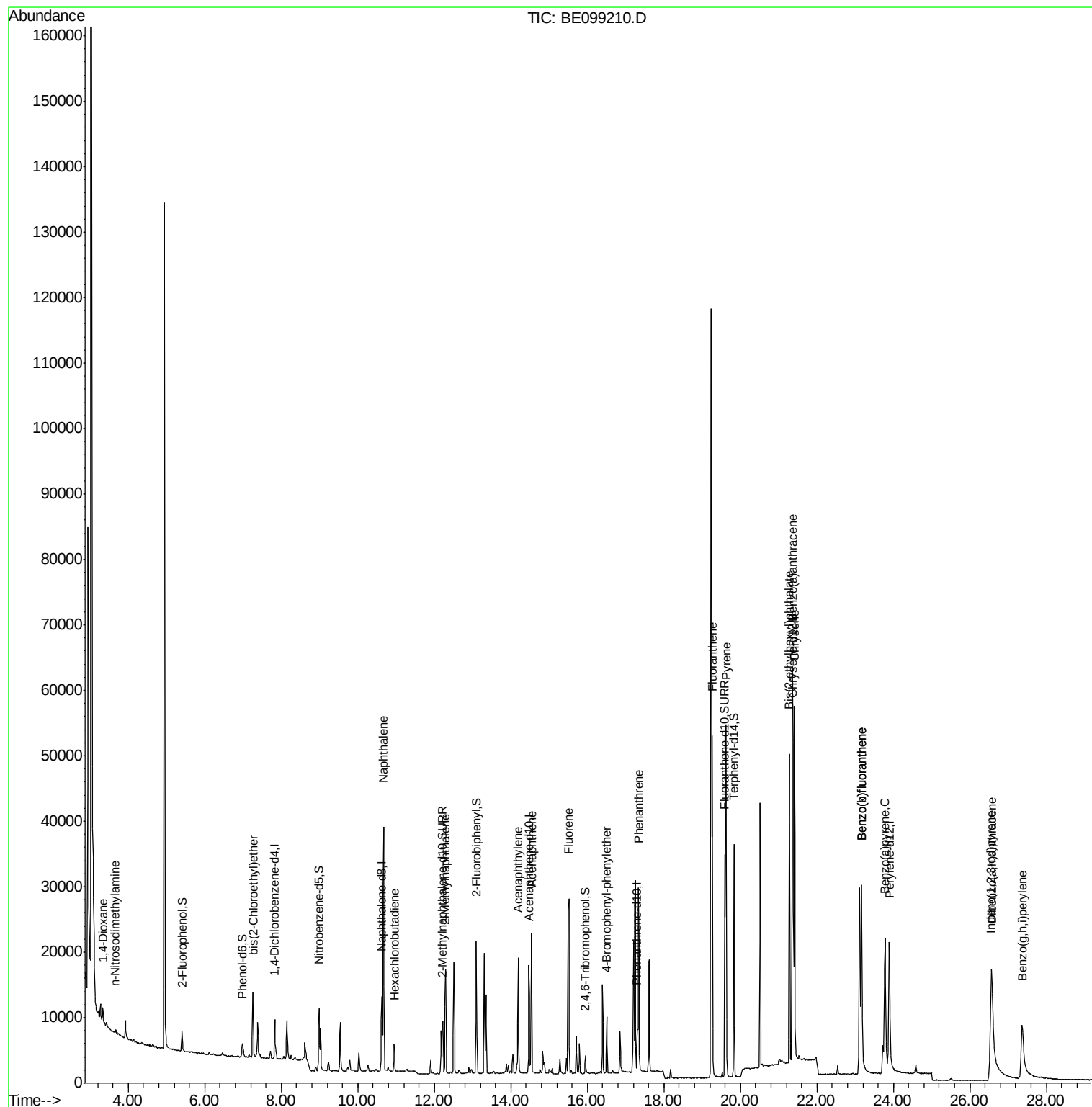
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 1507     | 0.337 | ng    | # 76   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 530      | 0.212 | ng    | # 64   |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 4364     | 0.359 | ng    | 99     |
| 9) Naphthalene                 | 10.68 | 128  | 60237    | 0.368 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.95 | 225  | 2899     | 0.333 | ng    | 96     |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 11237    | 0.384 | ng    | 99     |
| 16) Acenaphthylene             | 14.20 | 152  | 19510    | 0.362 | ng    | 100    |
| 17) Acenaphthene               | 14.54 | 154  | 12313    | 0.382 | ng    | 97     |
| 18) Fluorene                   | 15.51 | 166  | 18278    | 0.403 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.50 | 248  | 199      | 0.036 | ng    | # 40   |
| 23) Phenanthrene               | 17.33 | 178  | 31897    | 1.256 | ng    | 99     |
| 26) Fluoranthene               | 19.26 | 202  | 45092    | 1.391 | ng    | 100    |
| 28) Pyrene                     | 19.63 | 202  | 47741    | 0.383 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.37 | 228  | 47076    | 0.381 | ng    | 99     |
| 31) Chrysene                   | 21.41 | 228  | 48232    | 0.365 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 60596    | 0.411 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 39186    | 0.313 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 23.17 | 252  | 47632    | 0.420 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 48152    | 0.402 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.78 | 252  | 42055    | 0.397 | ng    | 99     |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278  | 33213    | 0.353 | ng    | 98     |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276  | 29864    | 0.316 | ng    | 99     |

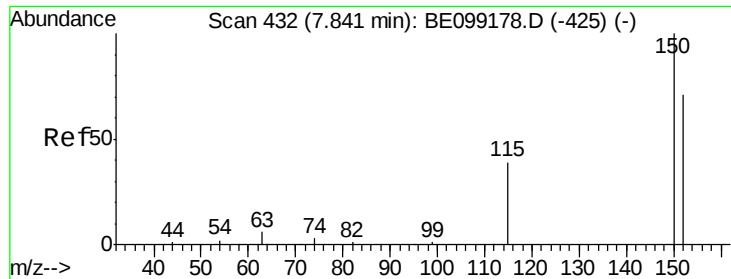
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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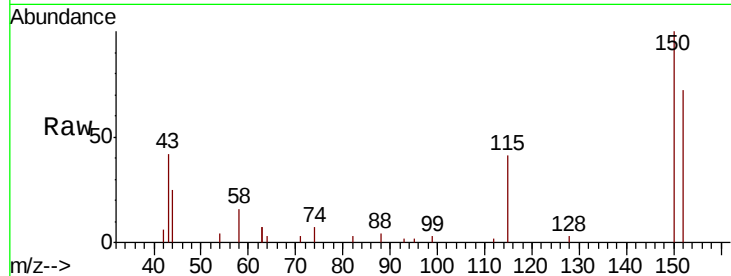


#1

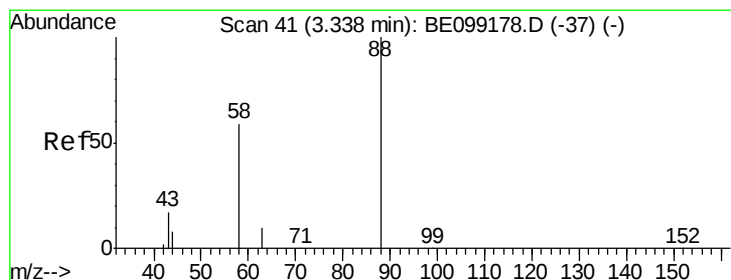
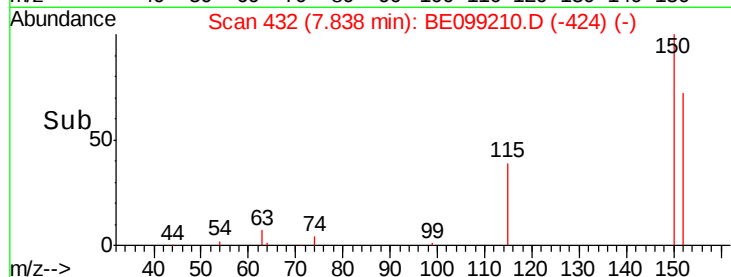
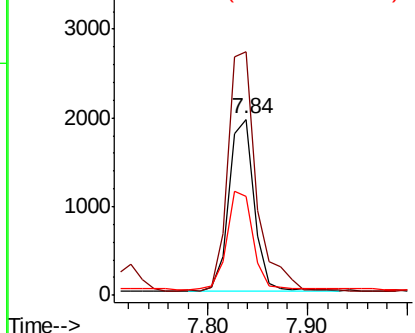
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. -0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

Tot Ion:152 Resp: 3391  
Ion Ratio Lower Upper  
152 100  
150 138.0 112.8 169.2  
115 56.3 45.1 67.7



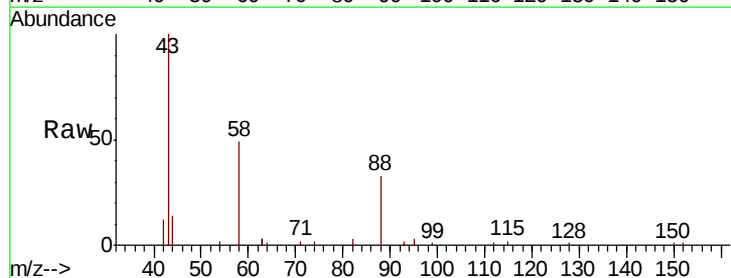
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



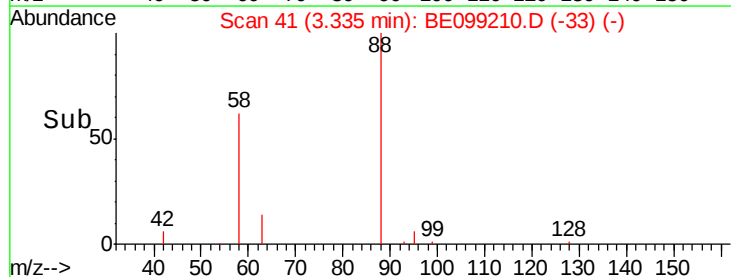
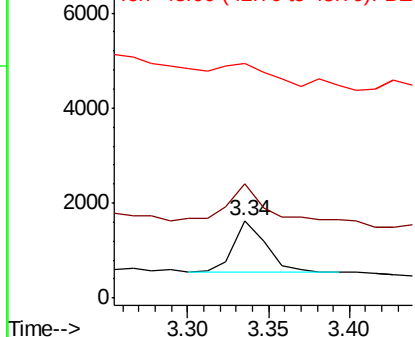
#2

1,4-Dioxane  
Concen: 0.337 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion: 88 Resp: 1507  
Ion Ratio Lower Upper  
88 100  
58 72.3 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: 0.212 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

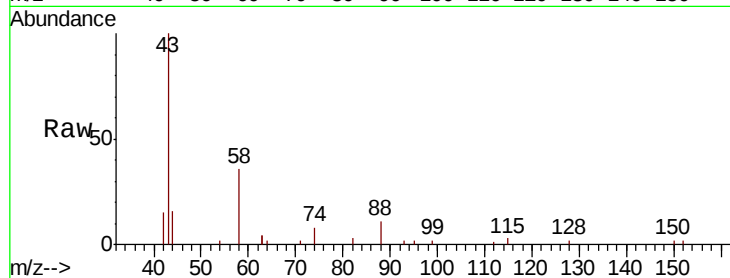
Tot Ion: 42 Resp: 530

Ion Ratio Lower Upper

42 100

74 131.1 138.6 207.8#

44 60.2 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

3.67

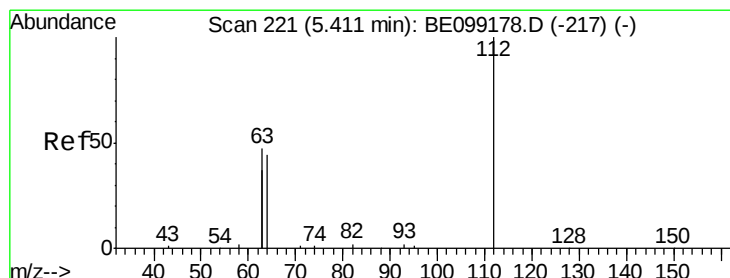
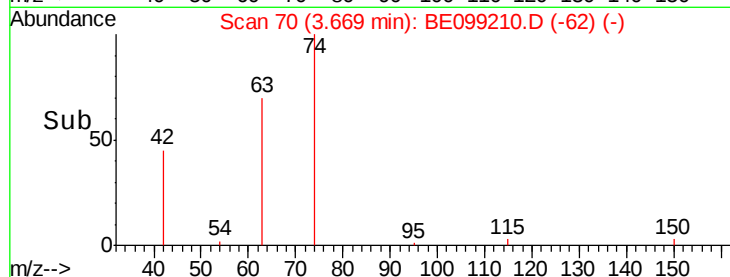
600

400

200

0

Time--> 3.60 3.65 3.70



#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

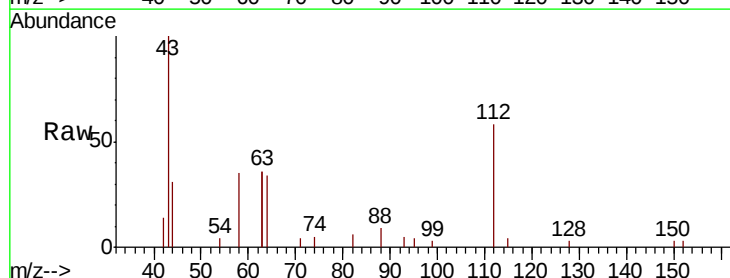
Tgt Ion: 112 Resp: 1728

Ion Ratio Lower Upper

112 100

64 60.7 46.2 69.2

63 136.3 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

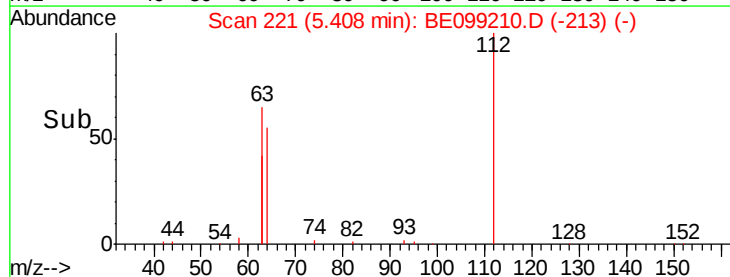
1500

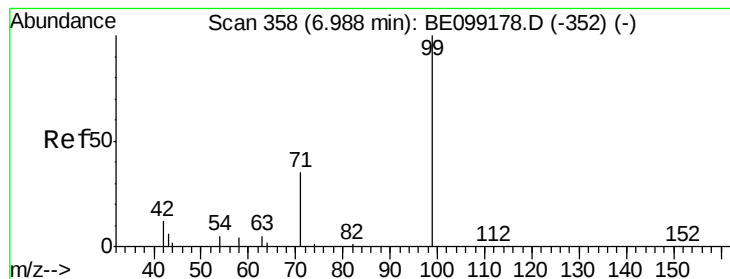
1000

500

0

Time--> 5.30 5.40 5.50





#5

Phenol-d6

Concen: 0.105 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

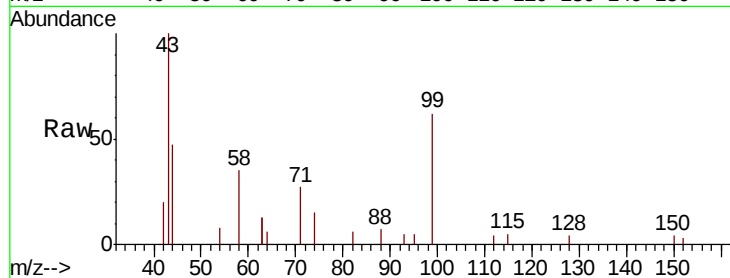
Tot Ion: 99 Resp: 1626

Ion Ratio Lower Upper

99 100

42 23.6 12.4 18.6#

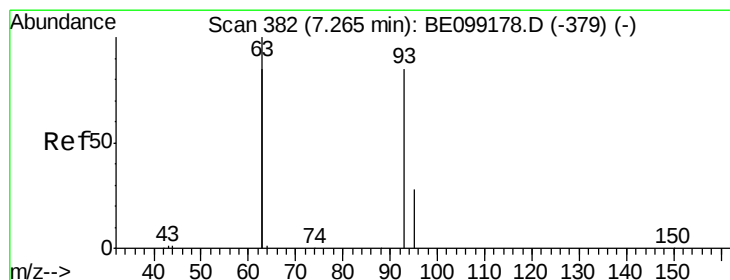
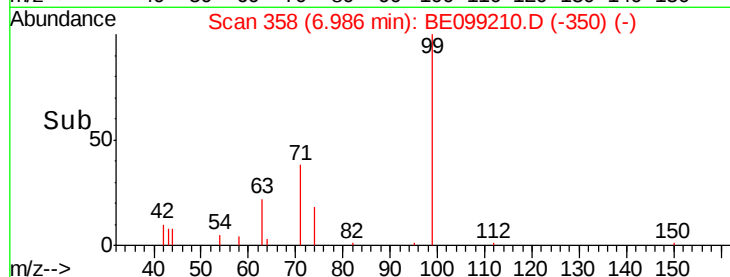
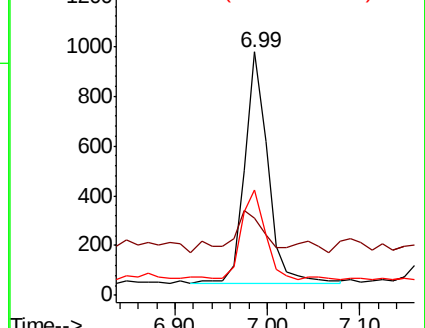
71 40.2 28.4 42.6



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: 0.359 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

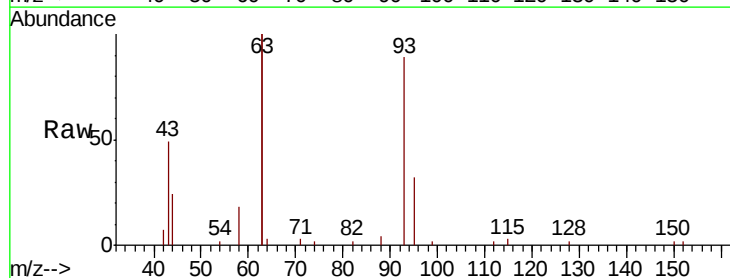
Tgt Ion: 93 Resp: 4364

Ion Ratio Lower Upper

93 100

63 278.4 221.4 332.0

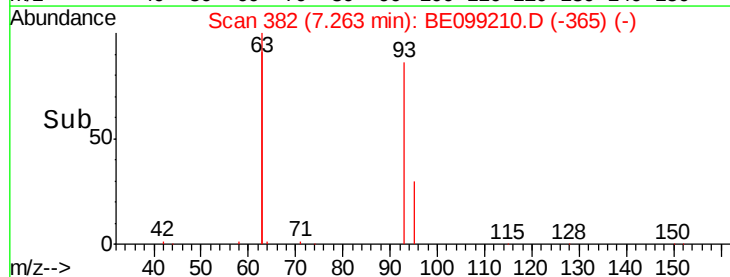
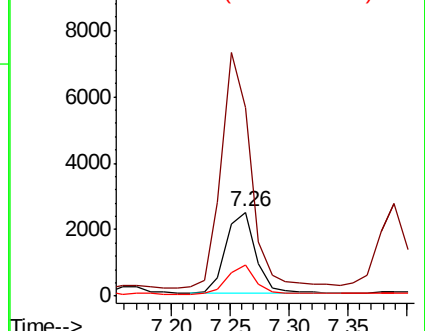
95 33.4 25.8 38.8

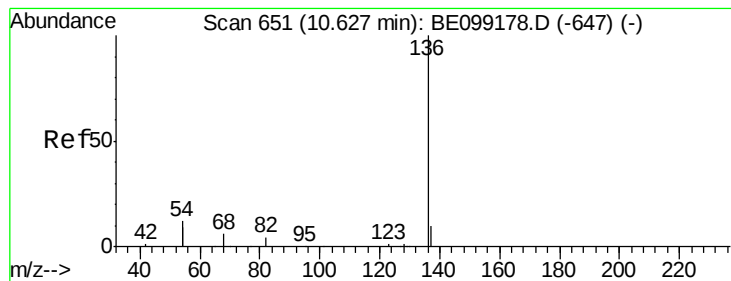


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

Tot Ion:136 Resp: 13866

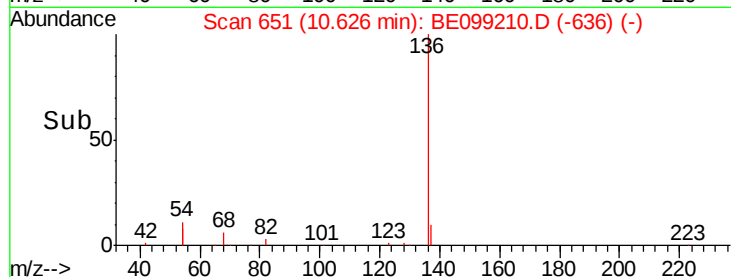
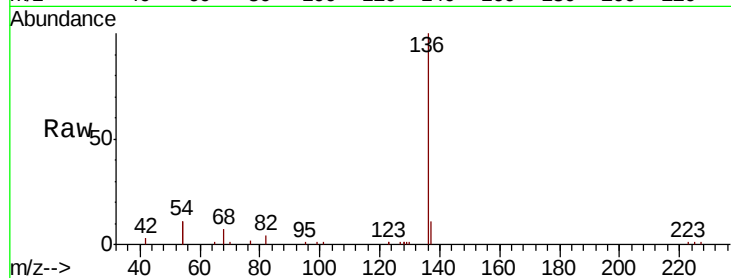
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 22.0 18.7 28.1

68 6.7 5.2 7.8



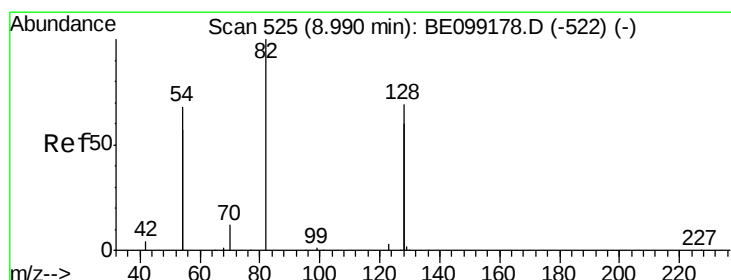
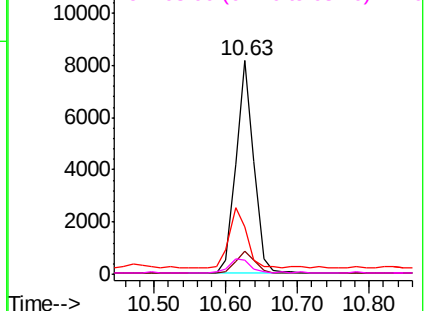
Abundance

Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.385 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

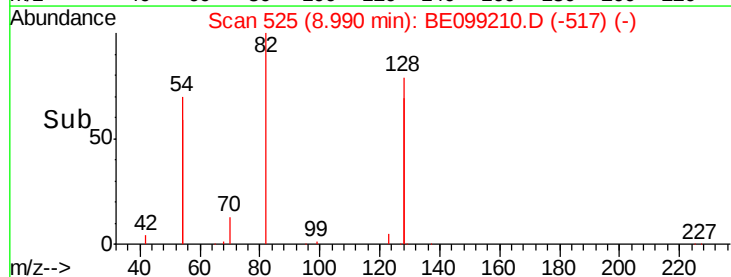
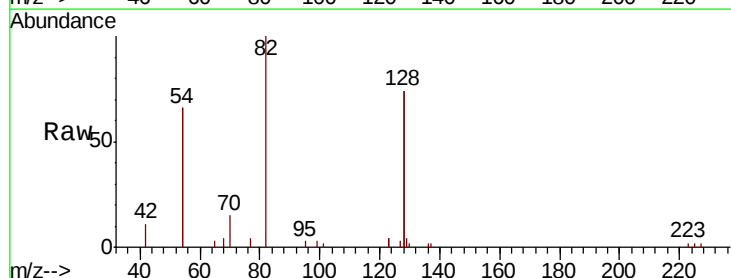
Tgt Ion: 82 Resp: 4361

Ion Ratio Lower Upper

82 100

128 149.0 107.5 161.3

54 131.6 106.3 159.5

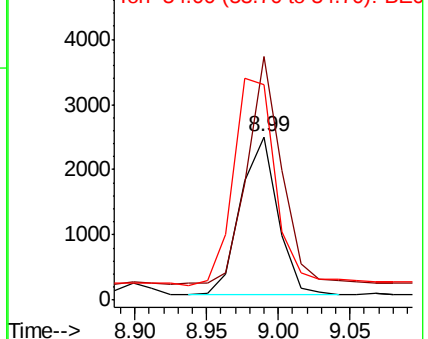


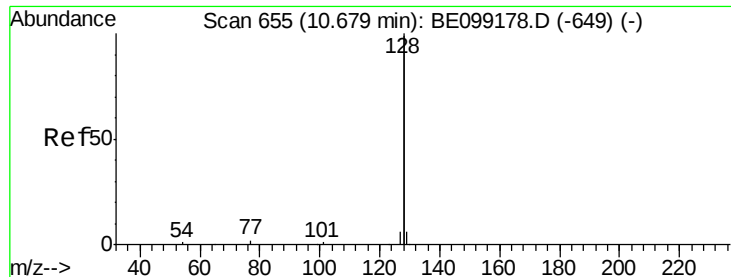
Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.368 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099210.D

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BNA\_E

ClientSampleId :

P001-TW001-03MS

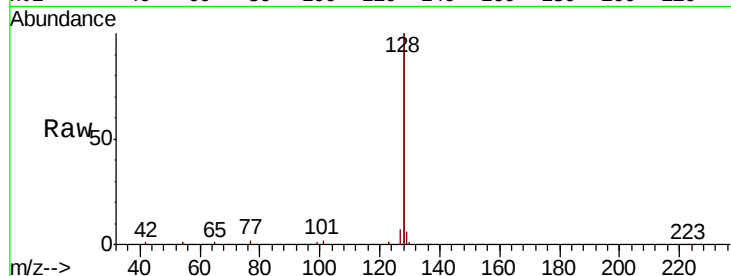
Tot Ion:128 Resp: 60237

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

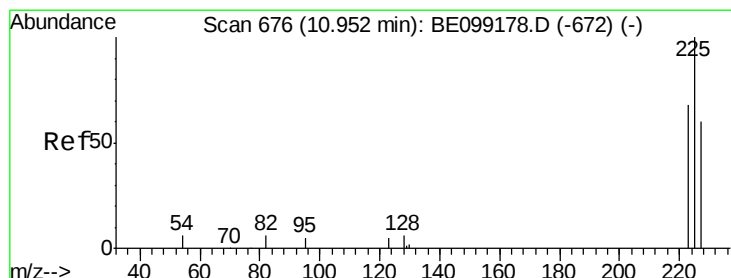
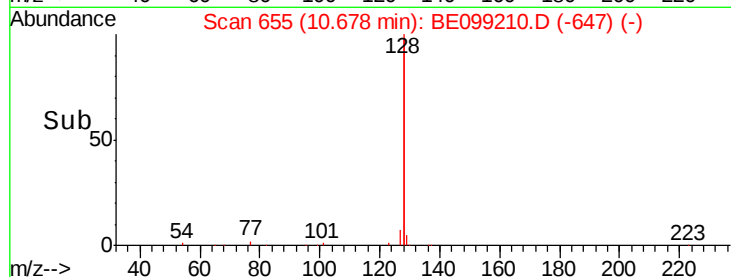
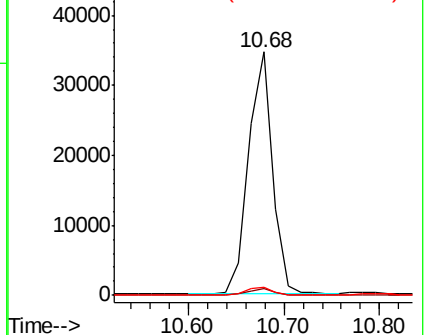
127 3.4 2.6 3.8



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

Hexachlorobutadiene

Concen: 0.333 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

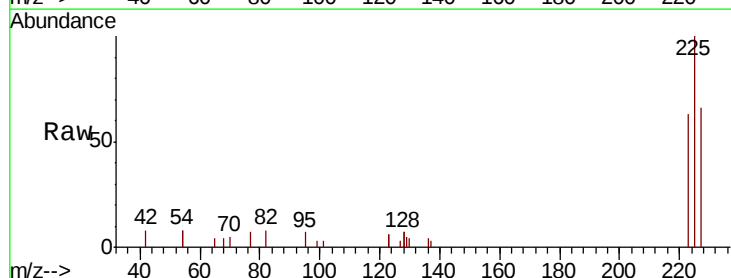
Tgt Ion:225 Resp: 2899

Ion Ratio Lower Upper

225 100

223 61.1 51.3 76.9

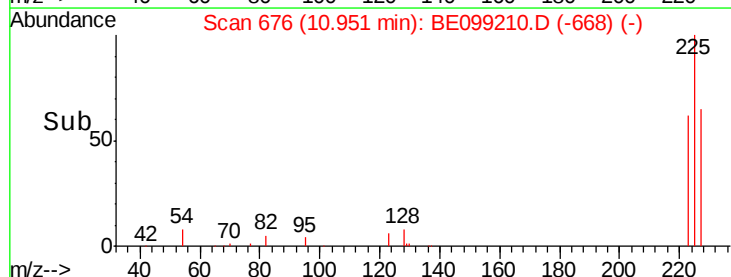
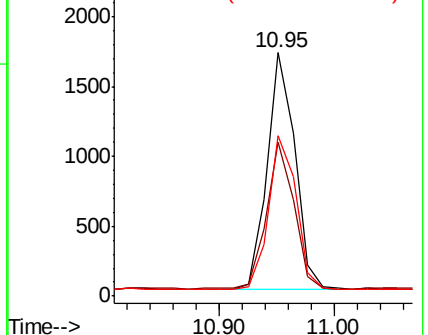
227 64.4 48.6 73.0

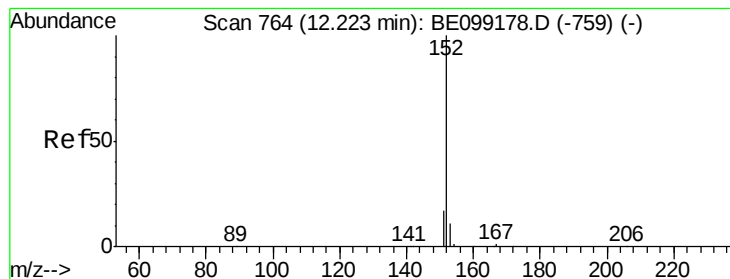


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.521 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

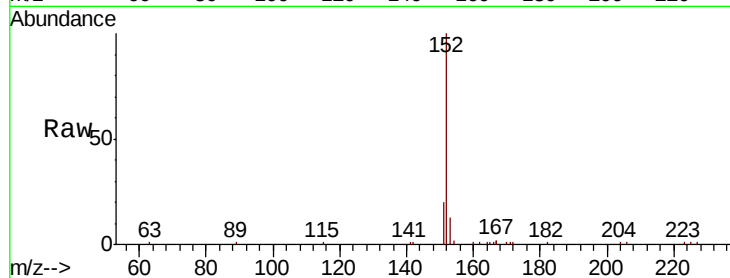
P001-TW001-03MS

Tot Ion:152 Resp: 13926

Ion Ratio Lower Upper

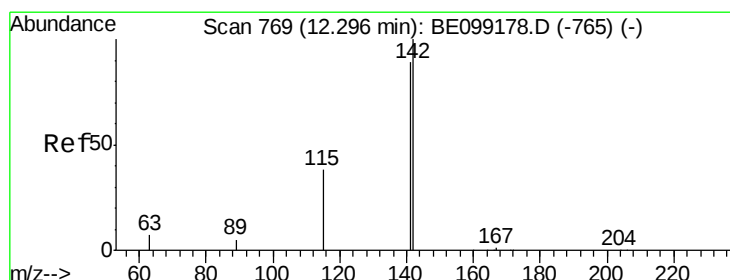
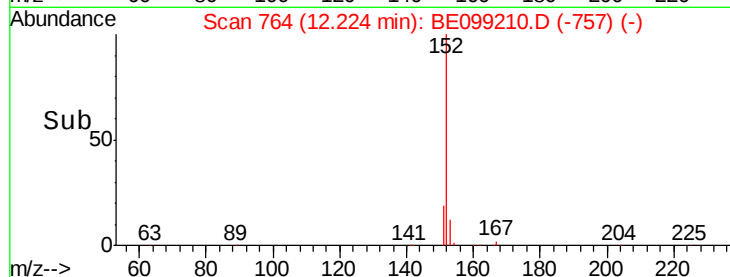
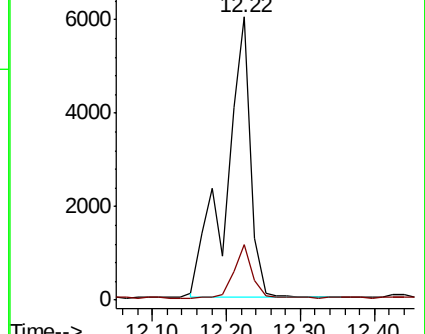
152 100

151 14.1 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: 0.384 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

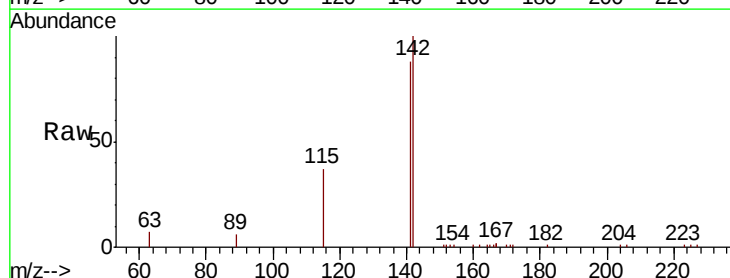
Tgt Ion:142 Resp: 11237

Ion Ratio Lower Upper

142 100

141 87.7 71.3 106.9

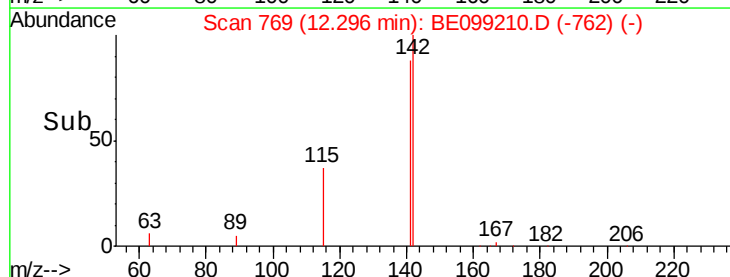
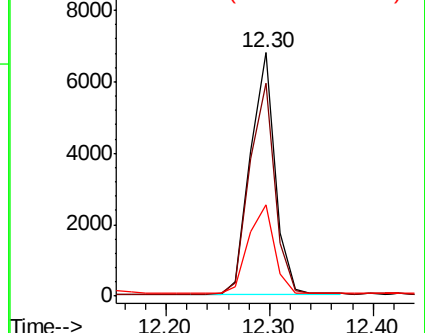
115 37.4 30.4 45.6

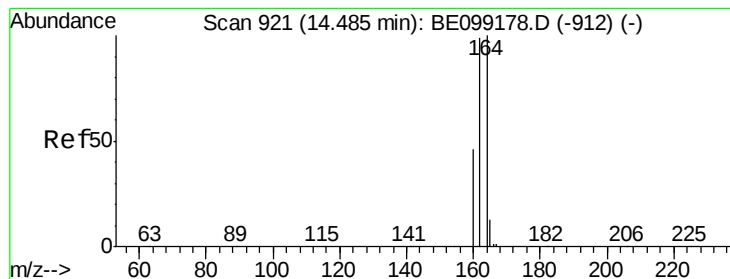


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

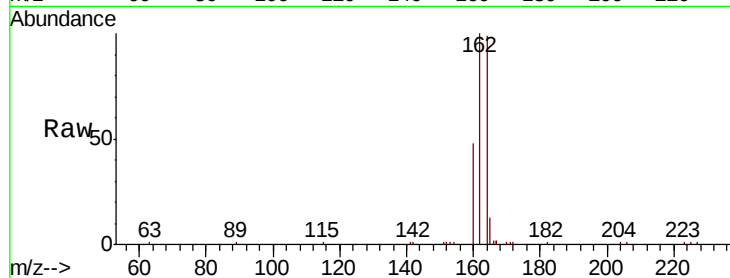
Tot Ion:164 Resp: 10566

Ion Ratio Lower Upper

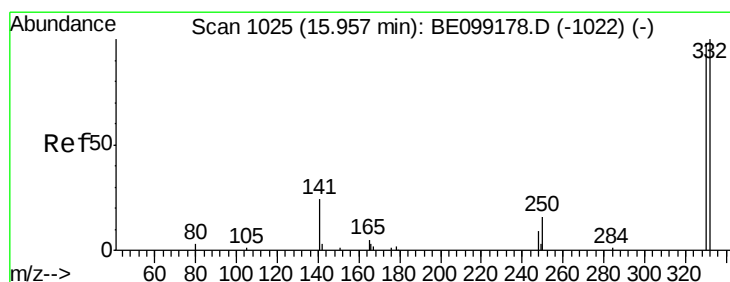
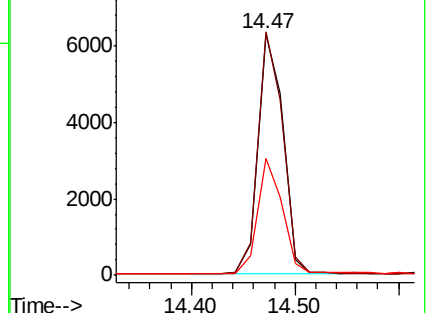
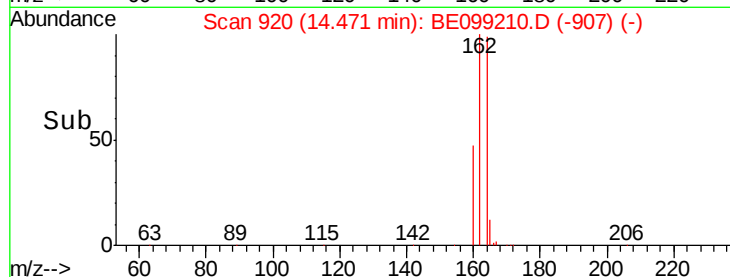
164 100

162 100.9 79.2 118.8

160 48.4 36.7 55.1



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: 0.516 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

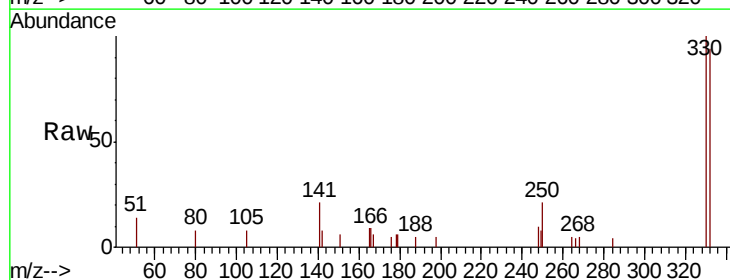
Tgt Ion:330 Resp: 1730

Ion Ratio Lower Upper

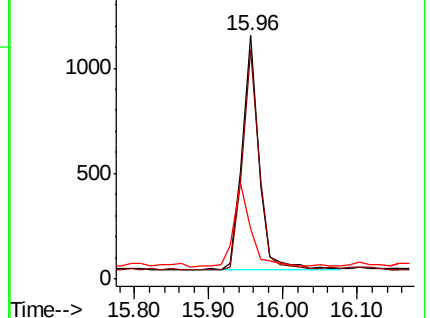
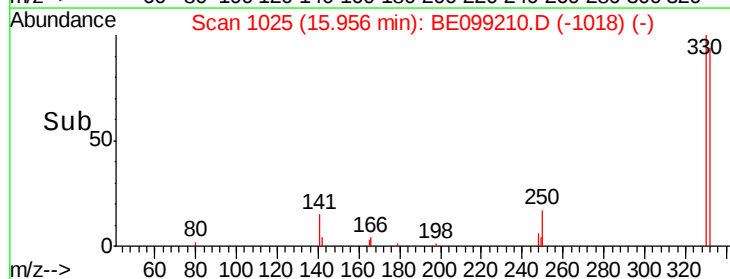
330 100

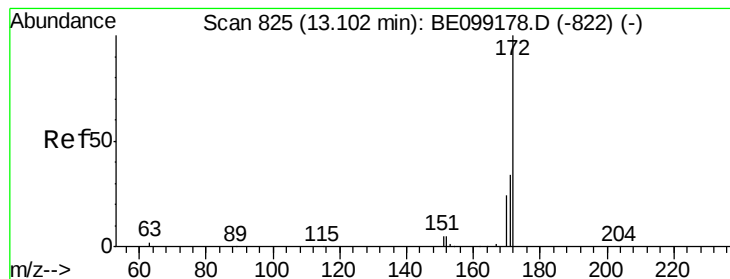
332 93.9 71.3 106.9

141 34.2 21.7 32.5#



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

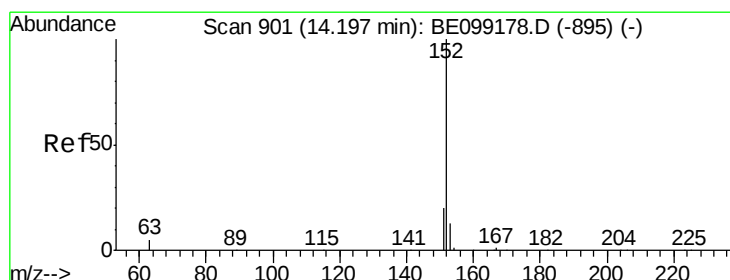
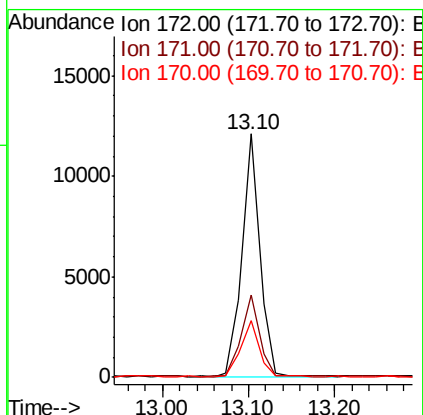
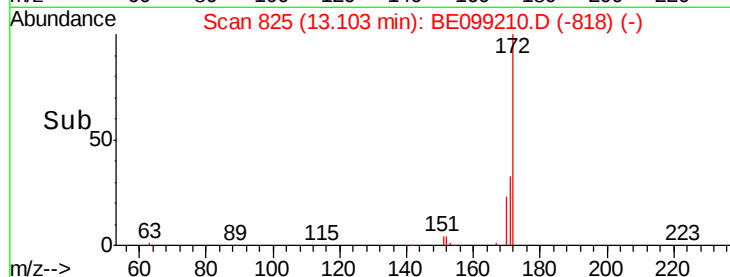
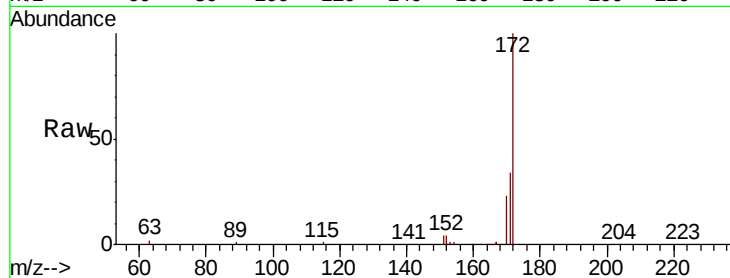




#15  
2-Fluorobiphenyl  
Concen: 0.399 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

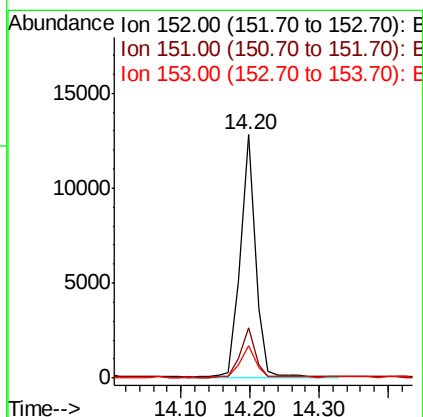
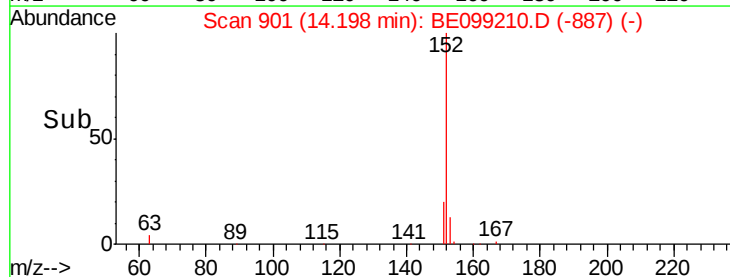
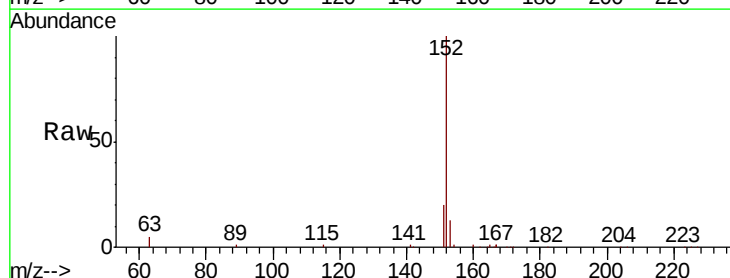
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

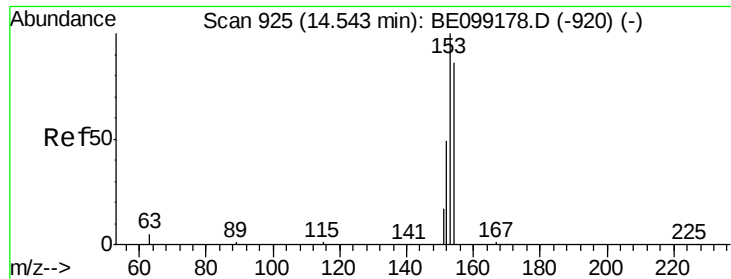
Tot Ion:172 Resp: 17168  
Ion Ratio Lower Upper  
172 100  
171 33.7 27.4 41.0  
170 23.4 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.362 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion:152 Resp: 19510  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.0 10.6 15.8

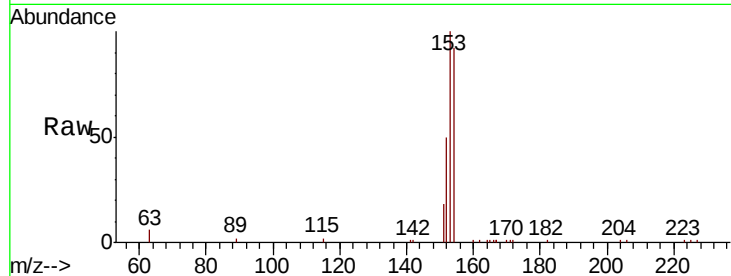




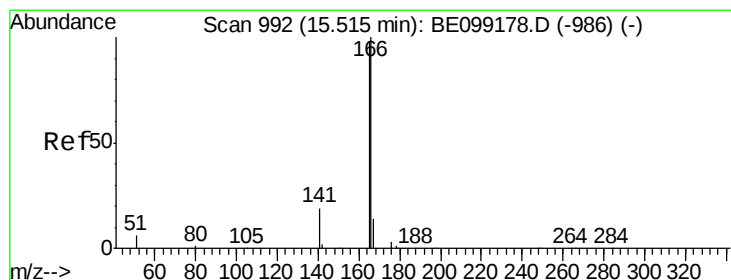
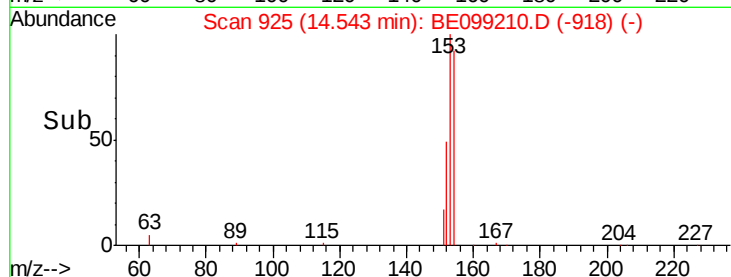
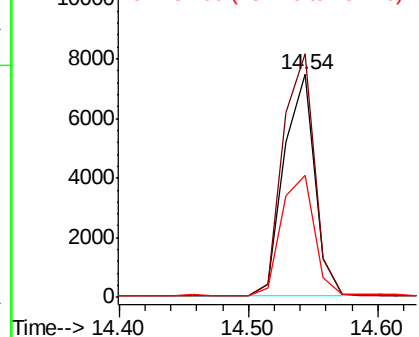
#17  
Acenaphthene  
Concen: 0.382 ng  
RT: 14.54 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

Tot Ion:154 Resp: 12313  
Ion Ratio Lower Upper  
154 100  
153 112.1 93.4 140.0  
152 57.4 46.6 69.8

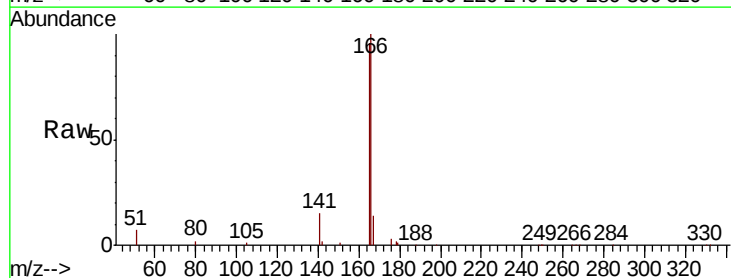


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

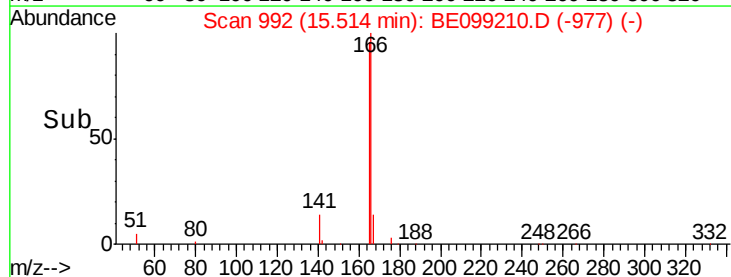
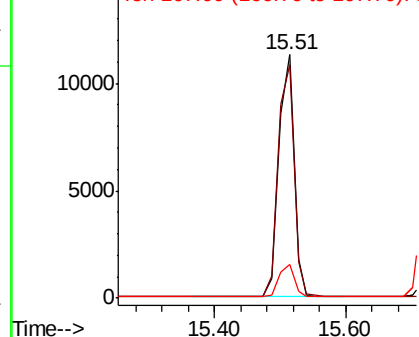


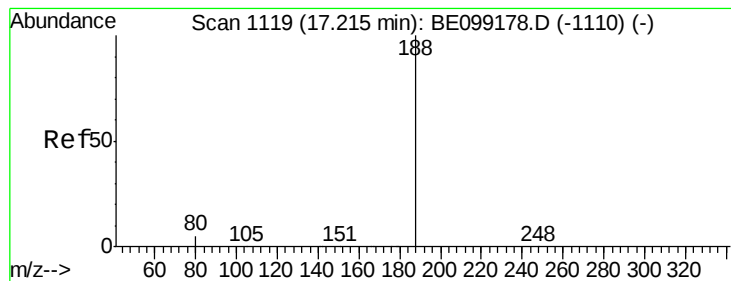
#18  
Fluorene  
Concen: 0.403 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion:166 Resp: 18278  
Ion Ratio Lower Upper  
166 100  
165 100.2 78.9 118.3  
167 13.7 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: 17.31 min Scan# 1126

Delta R.T. 0.09 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

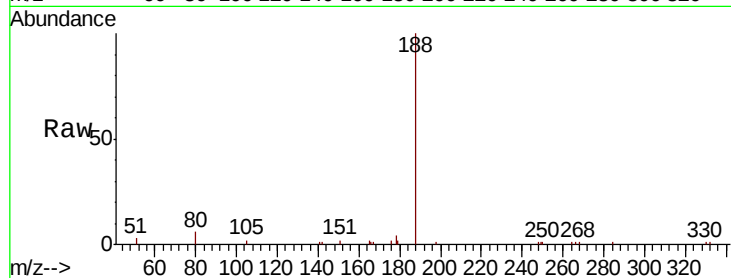
Tot Ion:188 Resp: 8648

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

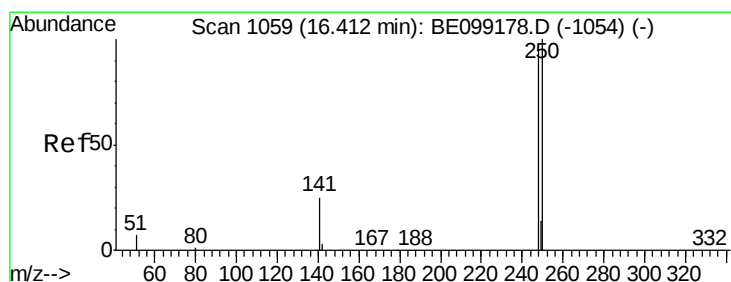
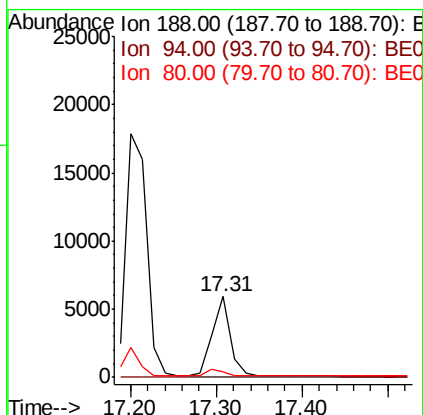
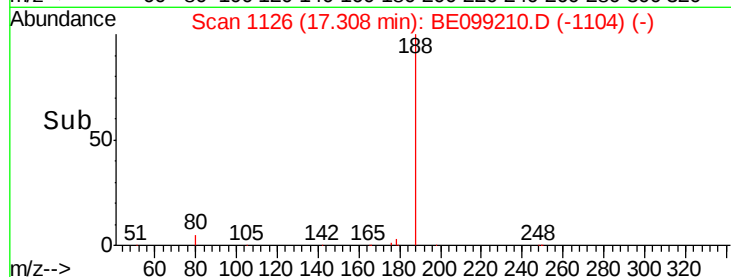
80 6.2 4.5 6.7



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: 0.036 ng

RT: 16.50 min Scan# 1066

Delta R.T. 0.09 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

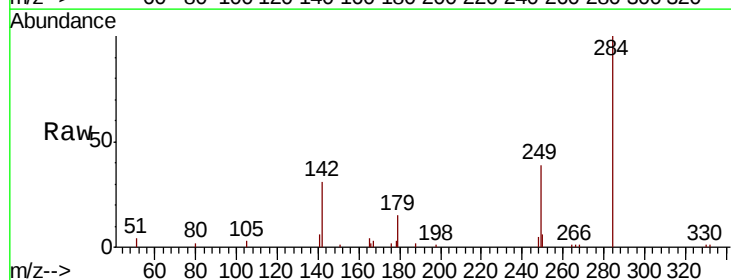
Tgt Ion:248 Resp: 199

Ion Ratio Lower Upper

248 100

250 132.8 84.2 126.2#

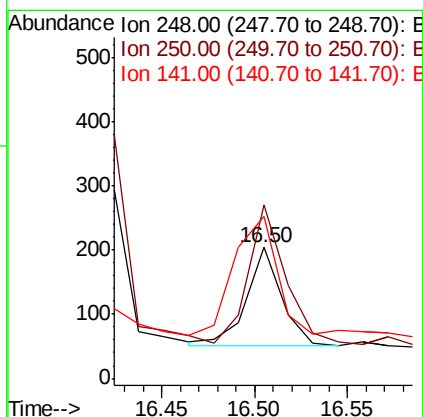
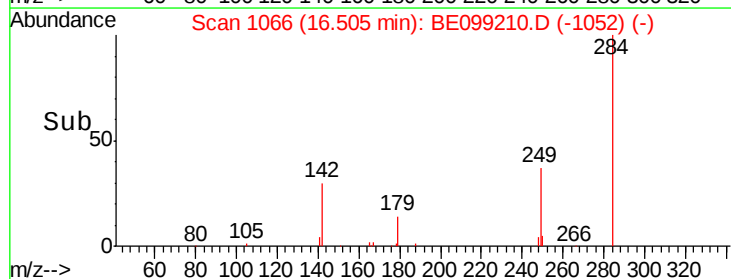
141 124.0 21.8 32.6#

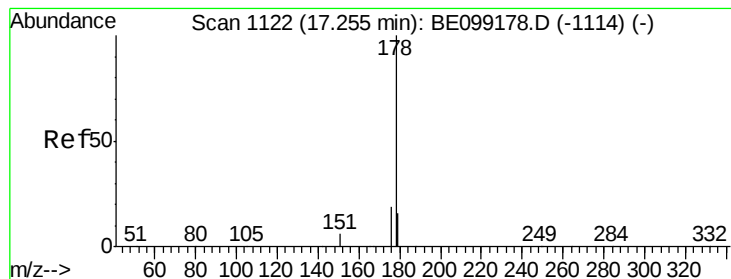


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#23

Phenanthrene

Concen: 1.256 ng

RT: 17.33 min Scan# 1128

Delta R.T. 0.08 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

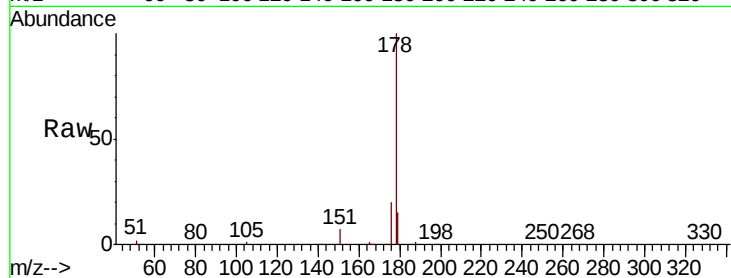
Tot Ion:178 Resp: 31897

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

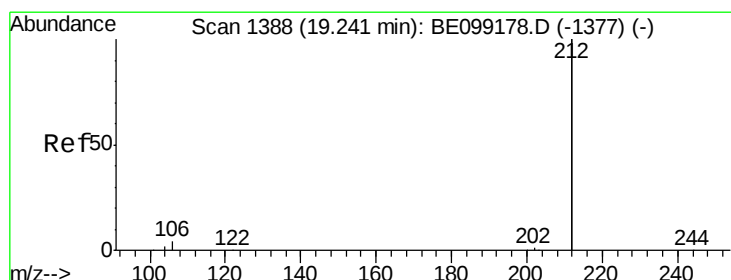
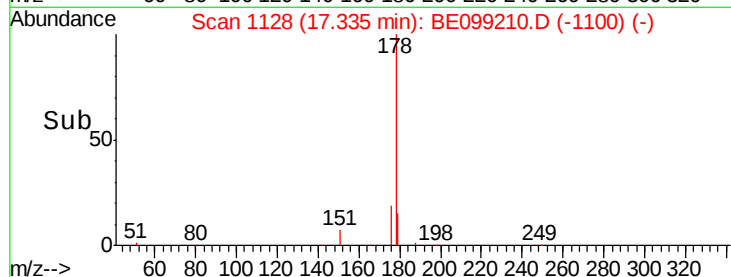
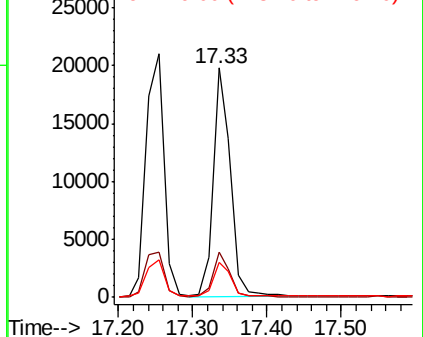
179 15.2 12.3 18.5



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: 0.410 ng

RT: 19.60 min Scan# 1450

Delta R.T. 0.36 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

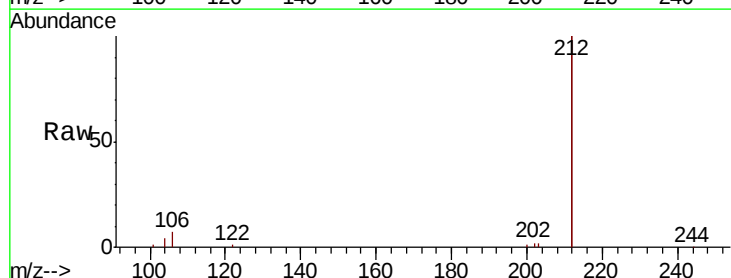
Tgt Ion:212 Resp: 42975

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

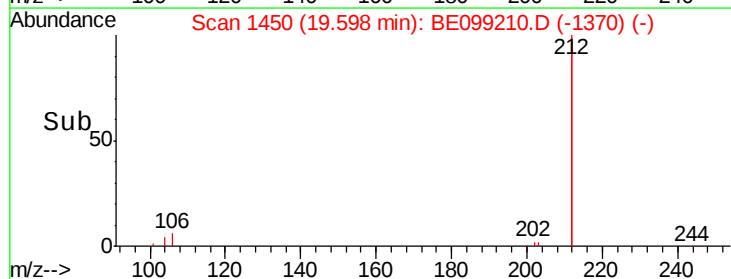
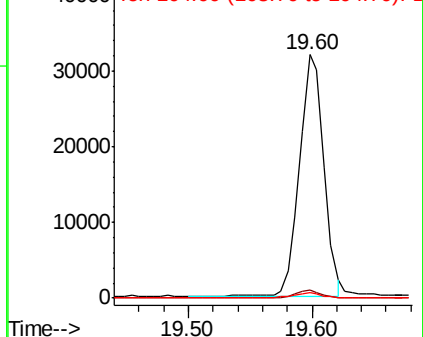
104 1.9 1.1 1.7#

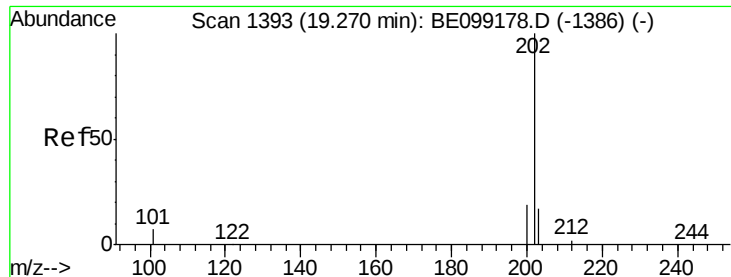


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

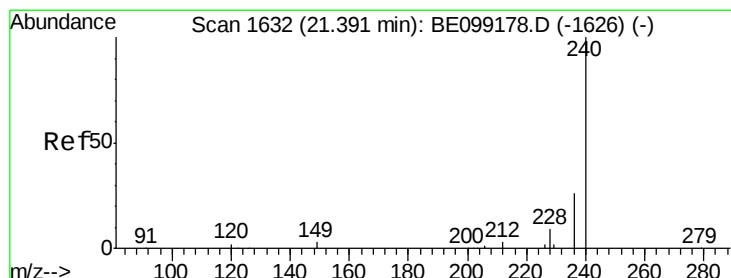
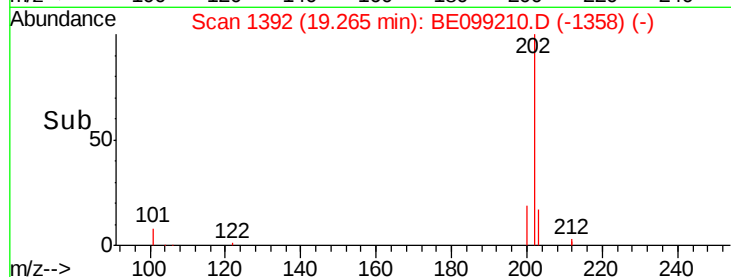
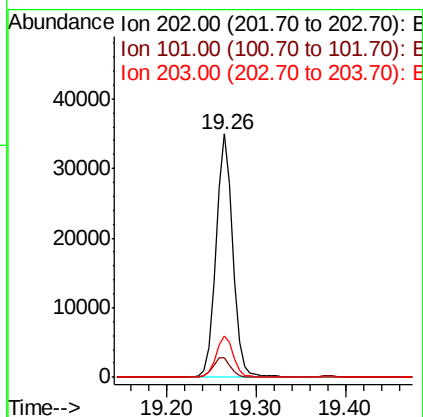
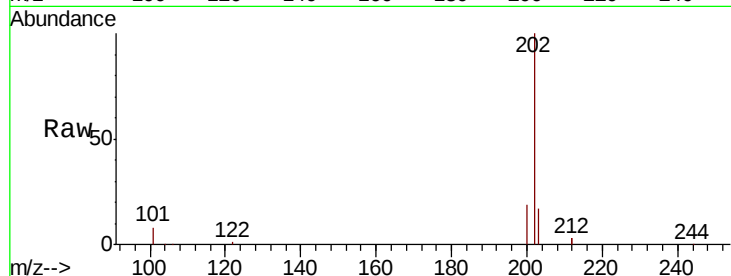




#26  
Fluoranthene  
Concen: 1.391 ng  
RT: 19.26 min Scan# 1392  
Delta R.T. -0.01 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

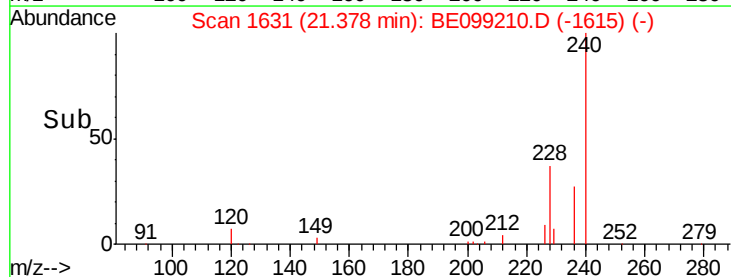
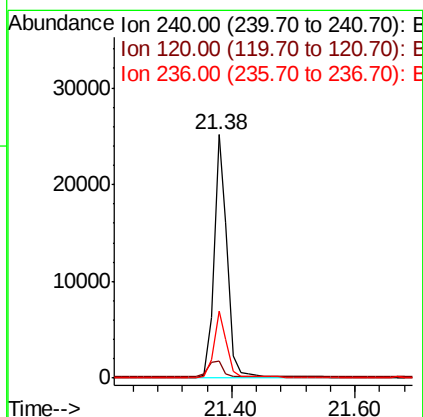
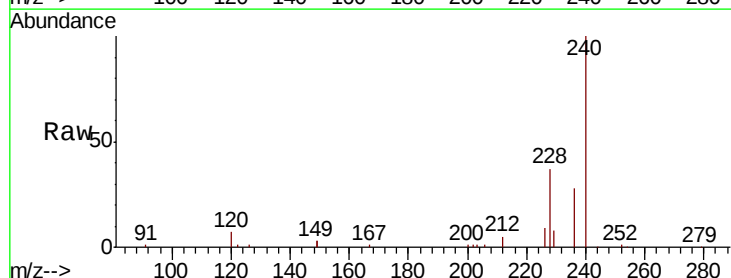
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

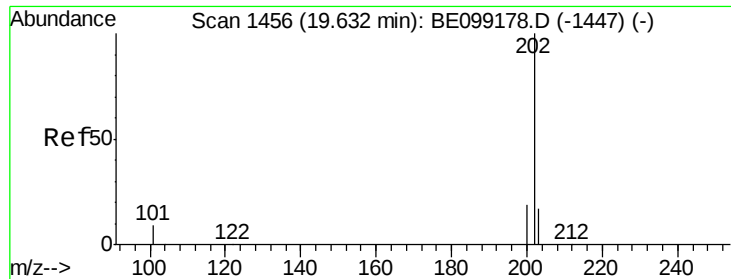
Tot Ion:202 Resp: 45092  
Ion Ratio Lower Upper  
202 100  
101 8.3 7.0 10.4  
203 17.2 13.8 20.6



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.38 min Scan# 1631  
Delta R.T. -0.01 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion:240 Resp: 37492  
Ion Ratio Lower Upper  
240 100  
120 7.1 2.6 3.8#  
236 27.6 20.9 31.3

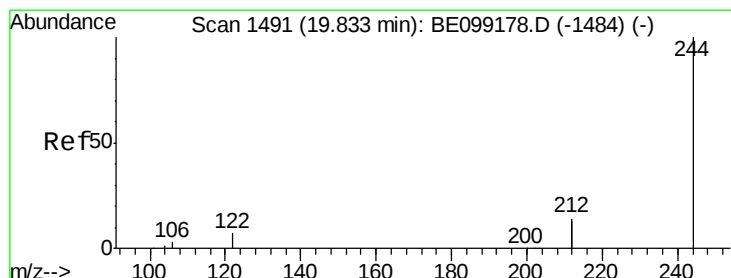
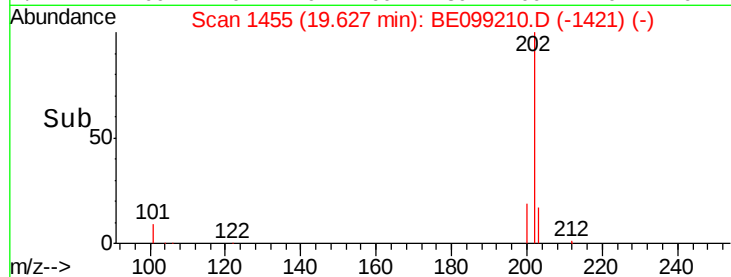
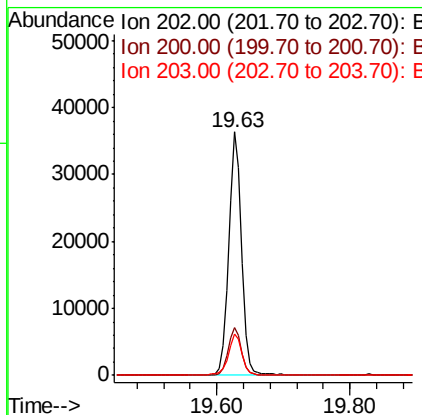
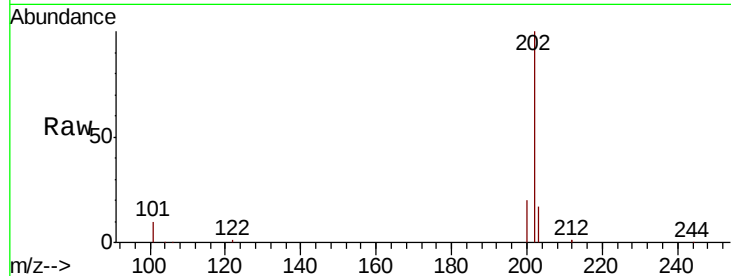




#28  
Pvrene  
Concen: 0.383 ng  
RT: 19.63 min Scan# 1455  
Delta R.T. -0.01 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

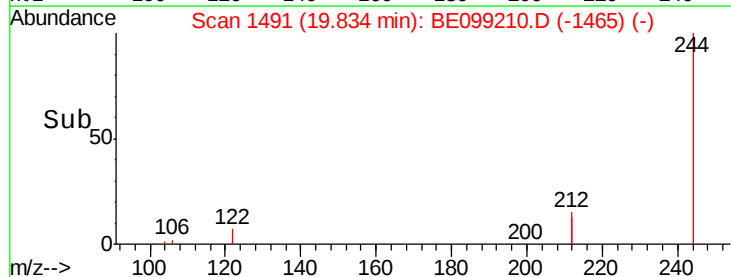
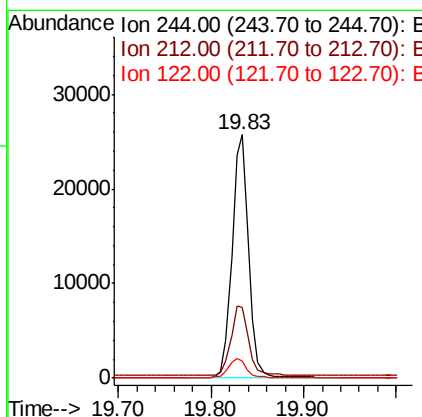
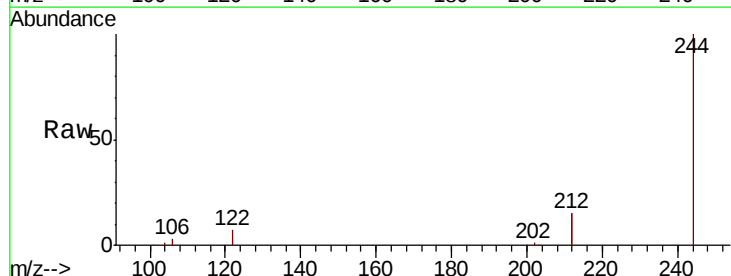
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

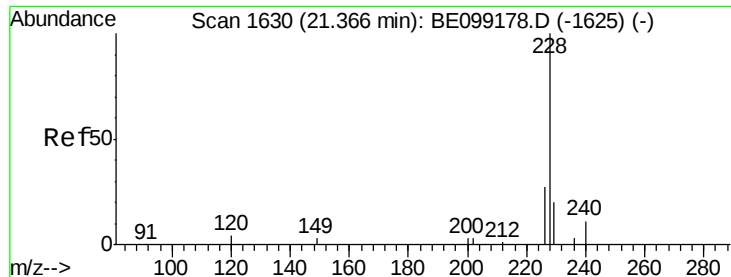
Tot Ion:202 Resp: 47741  
Ion Ratio Lower Upper  
202 100  
200 19.8 15.8 23.8  
203 18.0 14.1 21.1



#29  
Terphenyl-d14  
Concen: 0.392 ng  
RT: 19.83 min Scan# 1491  
Delta R.T. 0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion:244 Resp: 31926  
Ion Ratio Lower Upper  
244 100  
212 29.3 22.7 34.1  
122 7.1 5.8 8.6





#30

Benzo(a)anthracene

Concen: 0.381 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

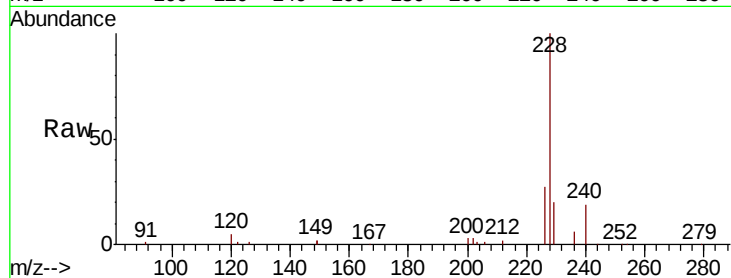
Tot Ion:228 Resp: 47076

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

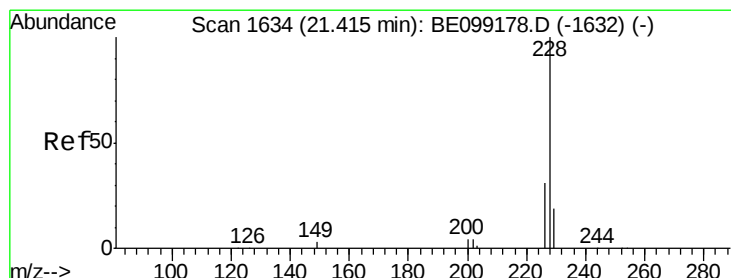
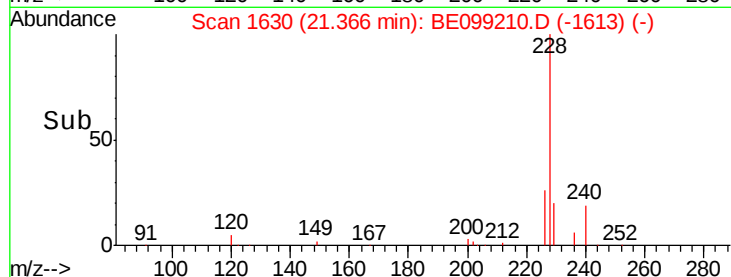
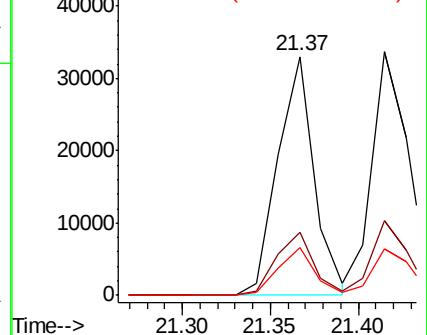
229 19.8 15.9 23.9



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: 0.365 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

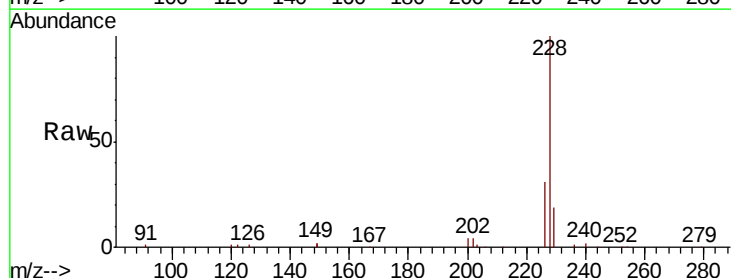
Tgt Ion:228 Resp: 48232

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

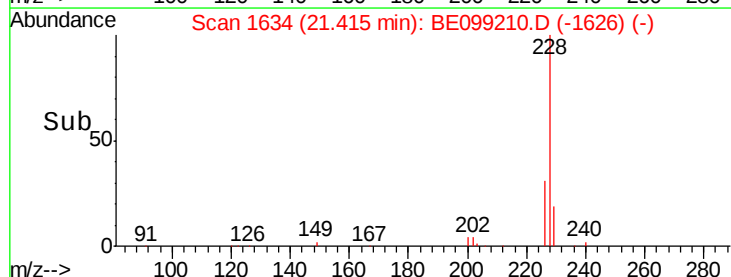
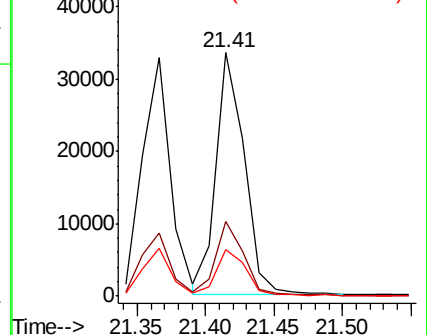
229 19.3 15.4 23.0

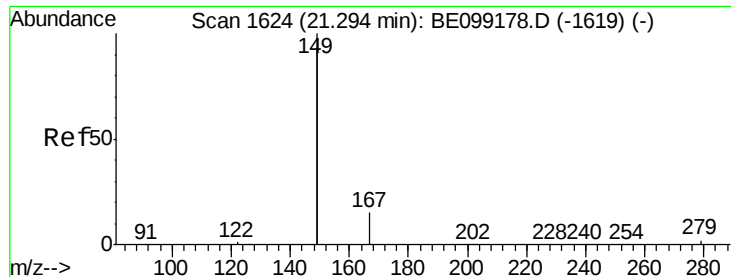


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.411 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

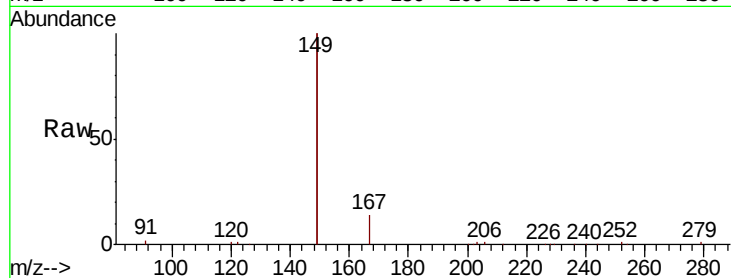
Tot Ion:149 Resp: 60596

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

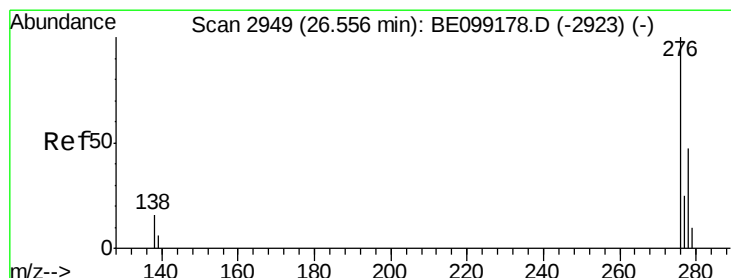
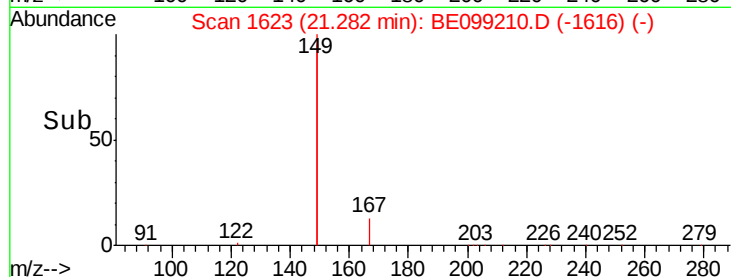
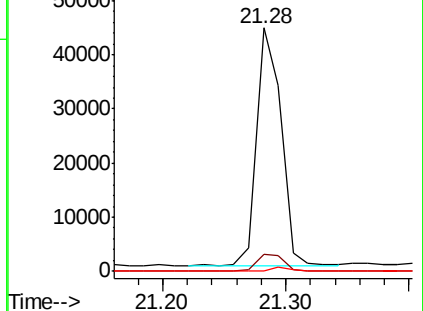
279 1.1 1.0 1.6



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.313 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

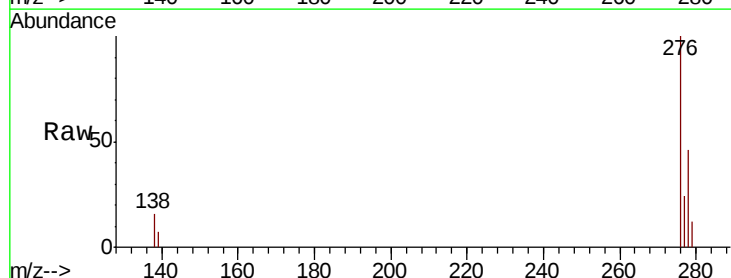
Tgt Ion:276 Resp: 39186

Ion Ratio Lower Upper

276 100

138 15.6 12.9 19.3

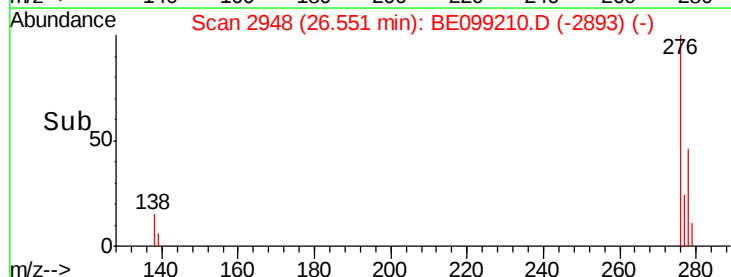
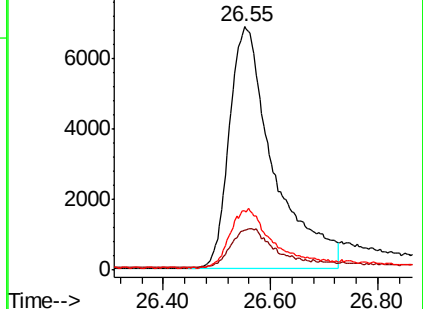
277 23.8 18.3 27.5

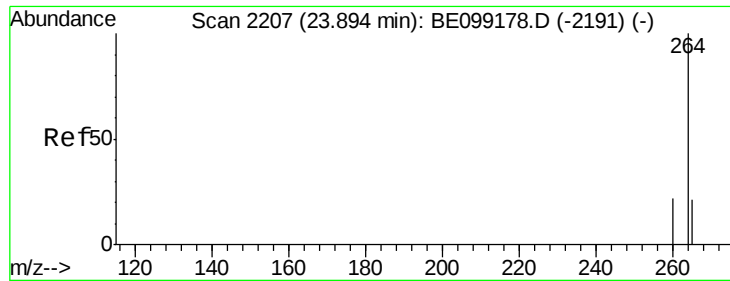


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

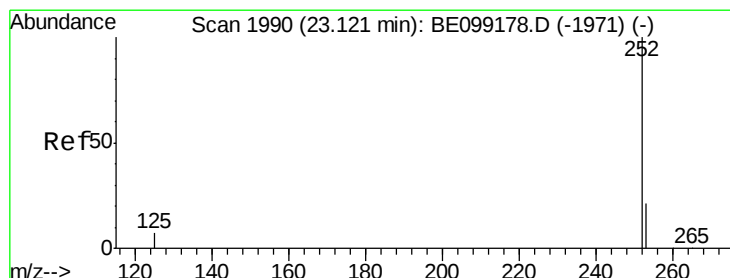
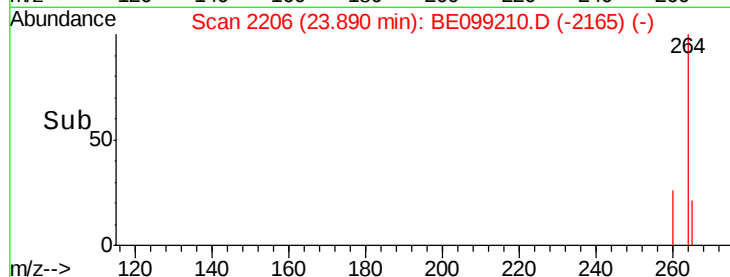
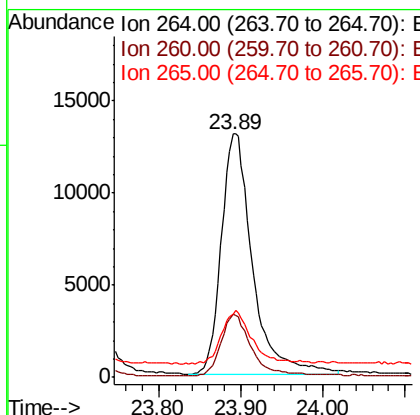
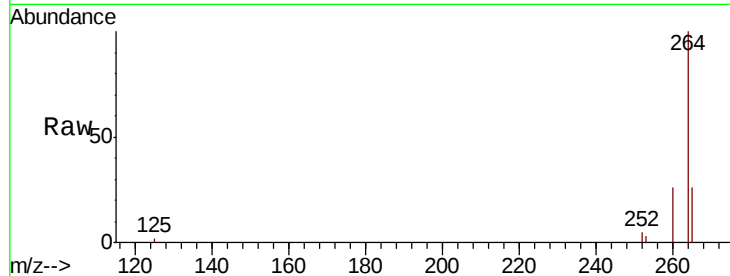




#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

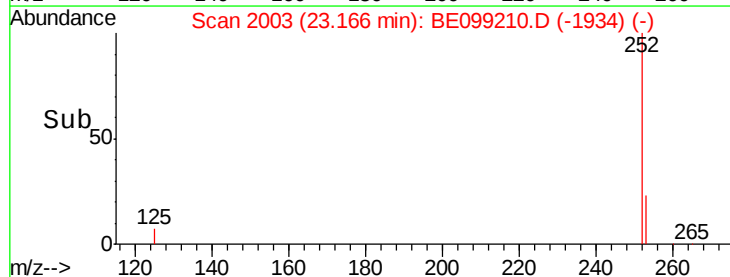
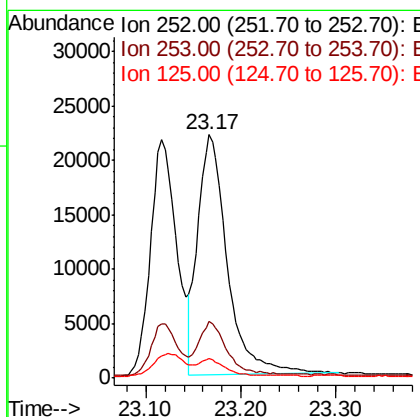
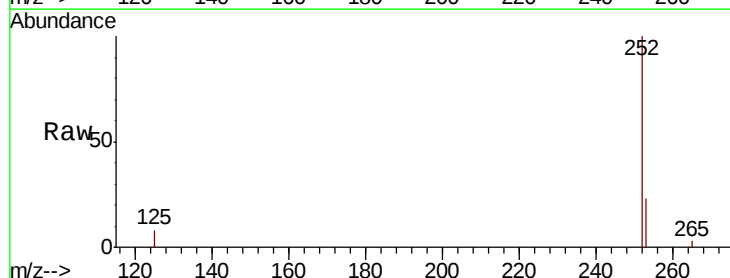
Instrument :  
BNA\_E  
ClientSampleId :  
P001-TW001-03MS

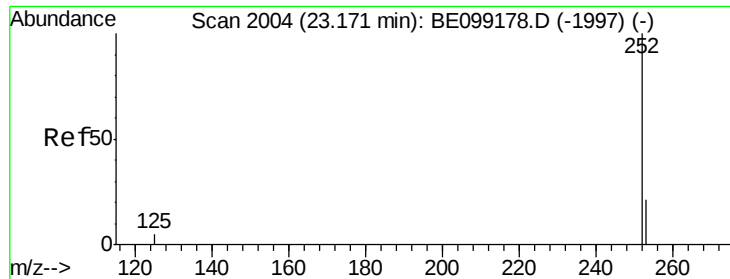
Tot Ion:264 Resp: 34468  
Ion Ratio Lower Upper  
264 100  
260 25.7 18.2 27.2  
265 26.0 21.8 32.8



#35  
Benzo(b)fluoranthene  
Concen: 0.420 ng  
RT: 23.17 min Scan# 2003  
Delta R.T. 0.05 min  
Lab File: BE099210.D  
Acq: 26 Mar 2019 11:09

Tgt Ion:252 Resp: 47632  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.8 26.8  
125 7.8 6.1 9.1





#36

Benzo(k)fluoranthene

Concen: 0.402 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

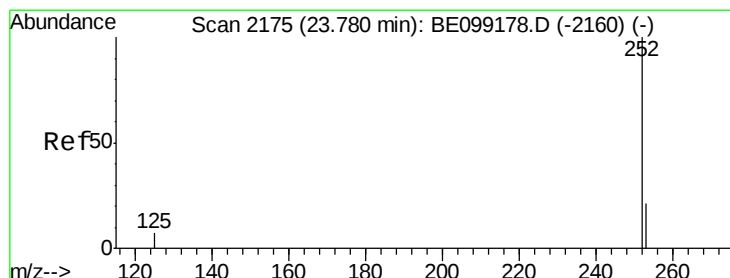
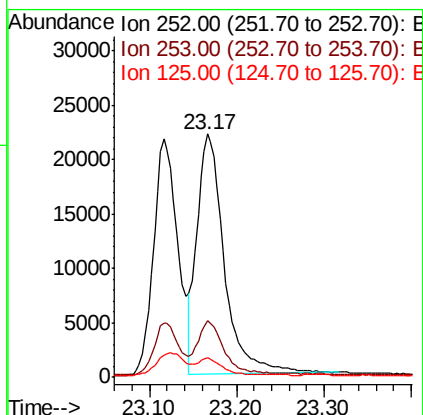
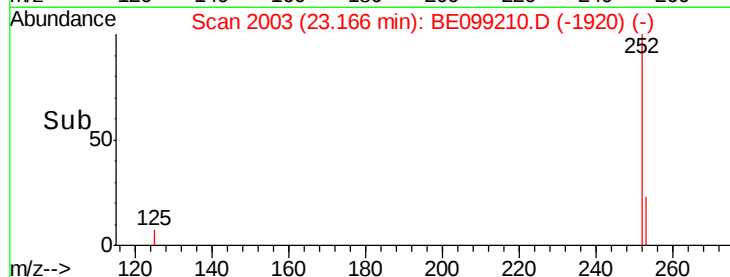
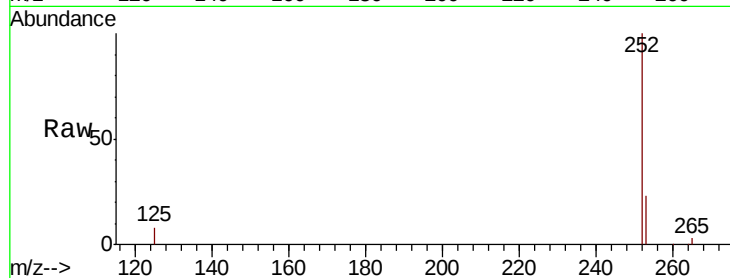
Tot Ion:252 Resp: 48152

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 7.8 5.9 8.9



#37

Benzo(a)pyrene

Concen: 0.397 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

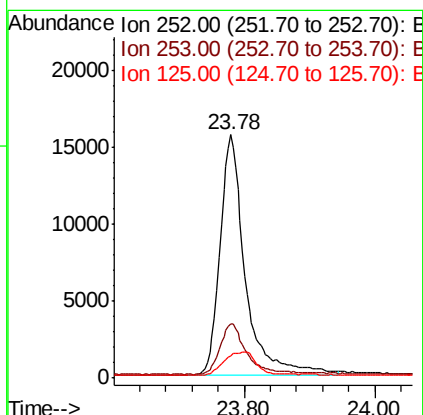
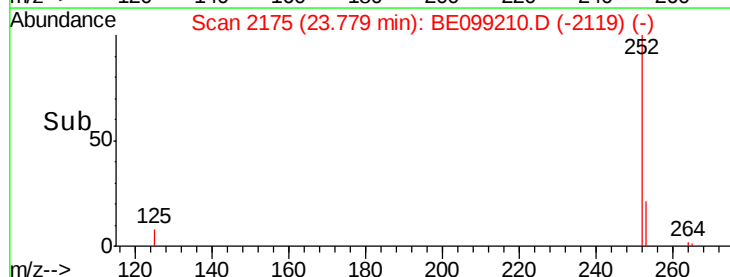
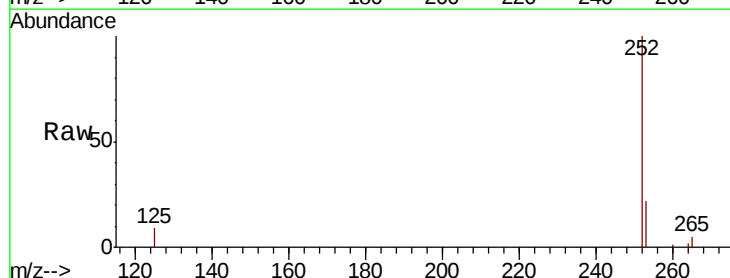
Tgt Ion:252 Resp: 42055

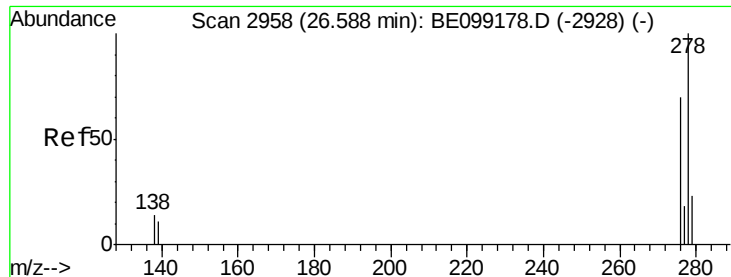
Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 8.9 6.8 10.2





#38

Dibenzo(a,h)anthracene

Concen: 0.353 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA\_E

ClientSampleId :

P001-TW001-03MS

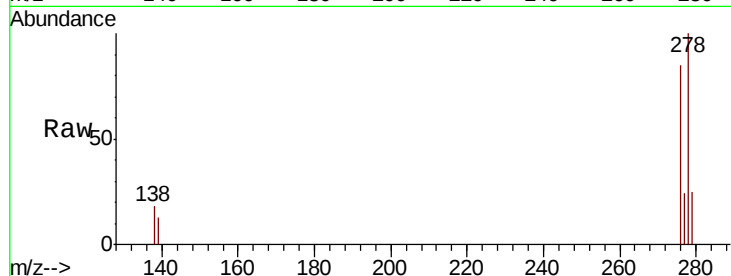
Tot Ion:278 Resp: 33213

Ion Ratio Lower Upper

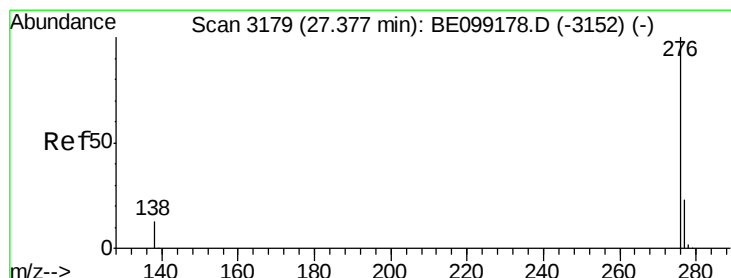
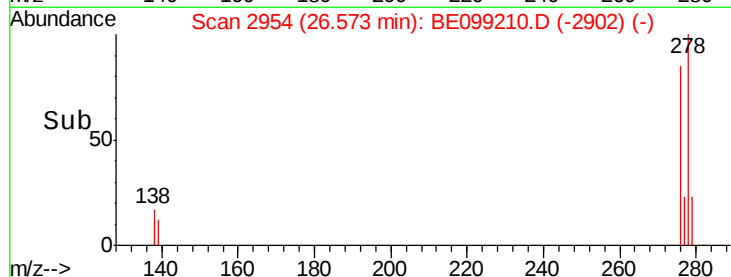
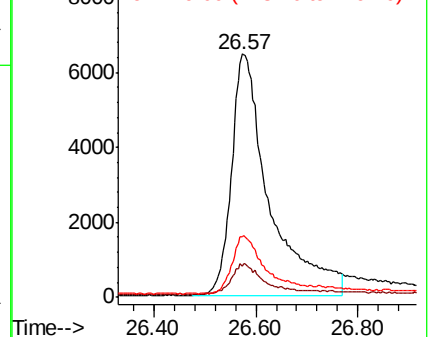
278 100

139 12.9 9.5 14.3

279 24.8 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: 0.316 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

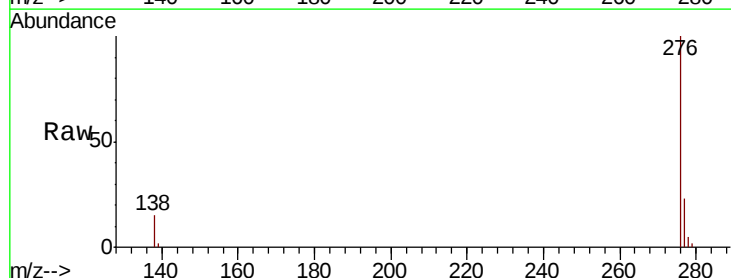
Tgt Ion:276 Resp: 29864

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 15.1 11.1 16.7



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

