

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099179.D  
 Acq On : 25 Mar 2019 12:28  
 Operator : JU/SJ  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Mar 25 14:14:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 25 14:07:14 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3908     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 17720    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 12751    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 31902    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.38 | 240  | 36298    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 35971    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 9131     | 0.78 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 14312    | 0.85 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 11336    | 1.46 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 27735    | 0.87 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 3363     | 0.90 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 42315    | 0.83 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 312914   | 0.74 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 64156    | 0.84 | ng    | 0.00     |

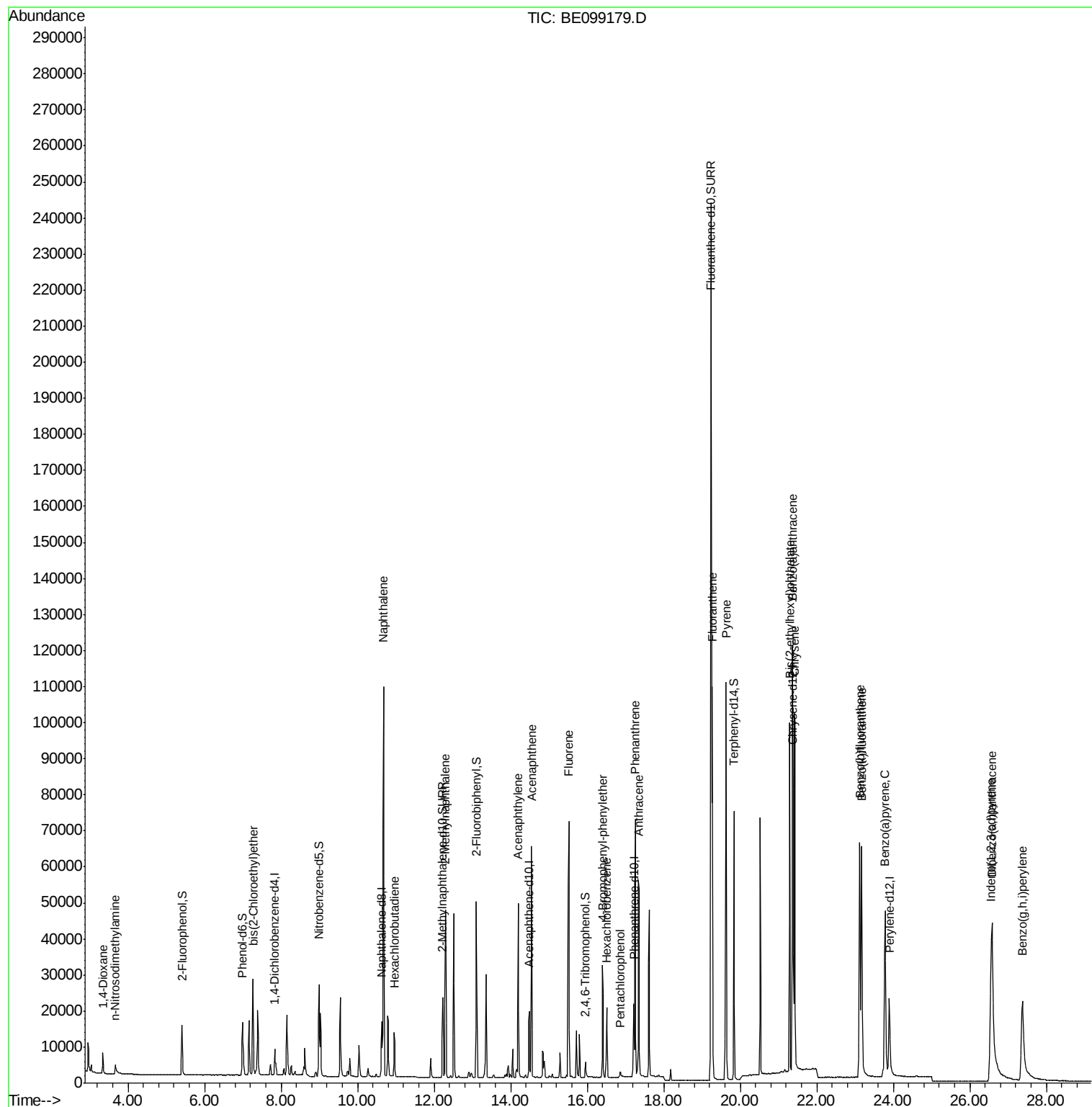
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 3919     | 0.646 | ng    | 90     |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 2346     | 0.750 | ng    | # 96   |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 11048    | 0.811 | ng    | 97     |
| 9) Naphthalene                 | 10.68 | 128  | 169570   | 0.812 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.95 | 225  | 8957     | 0.877 | ng    | 97     |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 30098    | 0.842 | ng    | 99     |
| 16) Acenaphthylene             | 14.20 | 152  | 51893    | 0.763 | ng    | 99     |
| 17) Acenaphthene               | 14.54 | 154  | 31021    | 0.769 | ng    | 99     |
| 18) Fluorene                   | 15.51 | 166  | 44355    | 0.753 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248  | 16935    | 0.959 | ng    | # 66   |
| 21) Hexachlorobenzene          | 16.51 | 284  | 16052    | 0.979 | ng    | 98     |
| 22) Pentachlorophenol          | 16.87 | 266  | 1469     | 0.470 | ng    | 98     |
| 23) Phenanthrene               | 17.26 | 178  | 77800    | 0.821 | ng    | 100    |
| 24) Anthracene                 | 17.34 | 178  | 68749    | 0.767 | ng    | 100    |
| 26) Fluoranthene               | 19.27 | 202  | 97710    | 0.733 | ng    | 100    |
| 28) Pyrene                     | 19.63 | 202  | 98414    | 0.799 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.37 | 228  | 96253    | 0.753 | ng    | 100    |
| 31) Chrysene                   | 21.43 | 228  | 104455   | 0.817 | ng    | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 102304   | 0.616 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 97341    | 0.709 | ng    | # 90   |
| 35) Benzo(b)fluoranthene       | 23.12 | 252  | 96447    | 0.775 | ng    | 99     |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 103341   | 0.848 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.78 | 252  | 90196    | 0.784 | ng    | 99     |
| 38) Dibenzo(a,h)anthracene     | 26.58 | 278  | 80126    | 0.716 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276  | 80626    | 0.702 | ng    | 99     |

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

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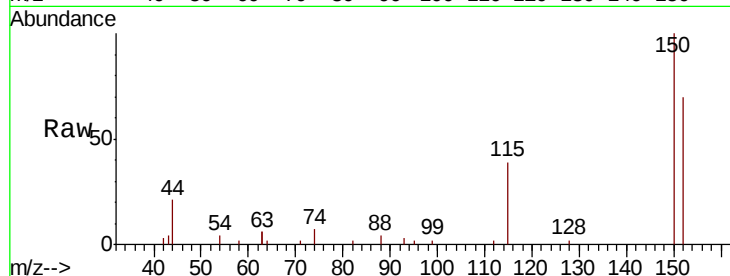


#1

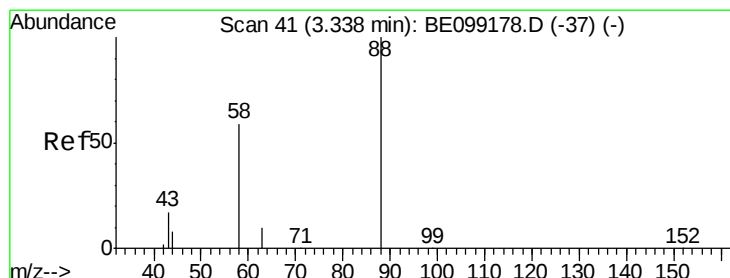
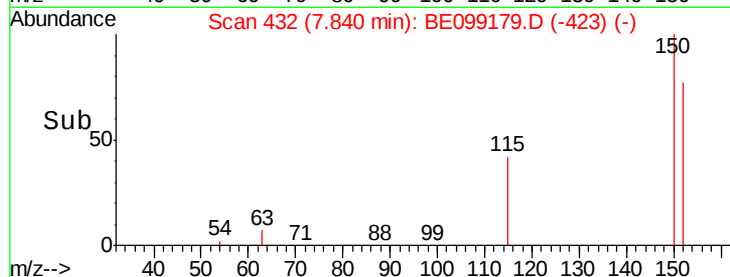
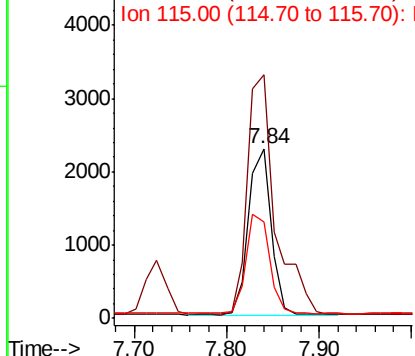
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3908  
Ion Ratio Lower Upper  
152 100  
150 143.3 112.8 169.2  
115 56.5 45.1 67.7



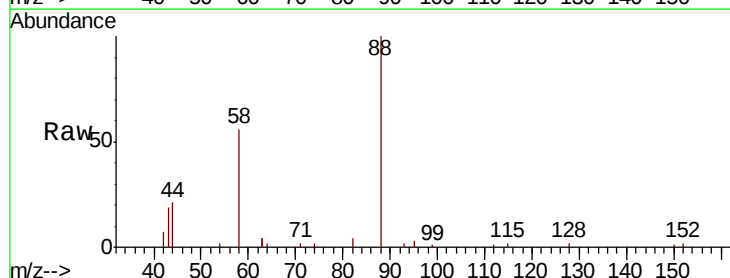
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



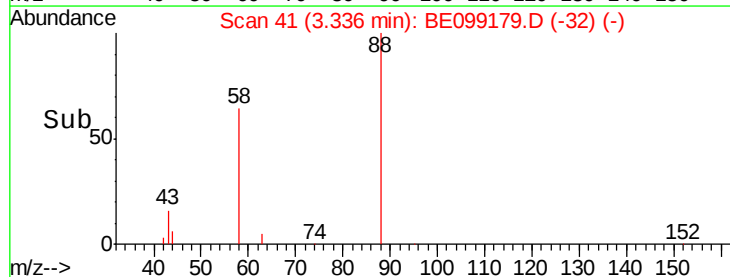
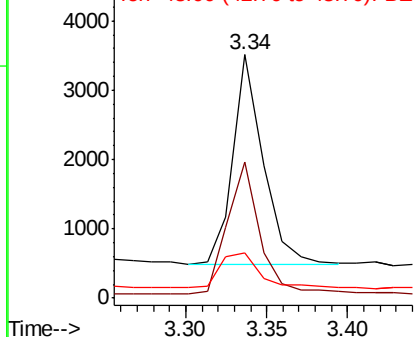
#2

1,4-Dioxane  
Concen: 0.646 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion: 88 Resp: 3919  
Ion Ratio Lower Upper  
88 100  
58 68.2 47.4 71.0  
43 20.8 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: 0.750 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

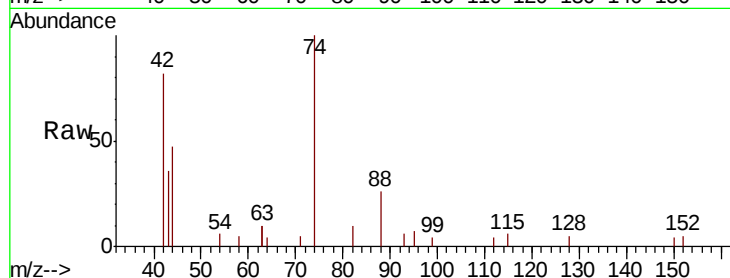
Tot Ion: 42 Resp: 2346

Ion Ratio Lower Upper

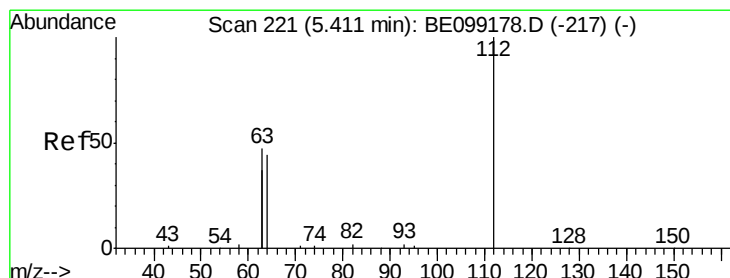
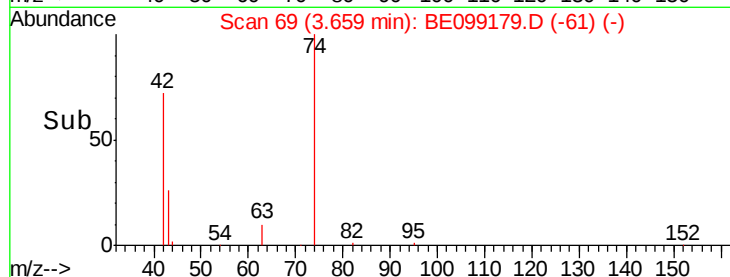
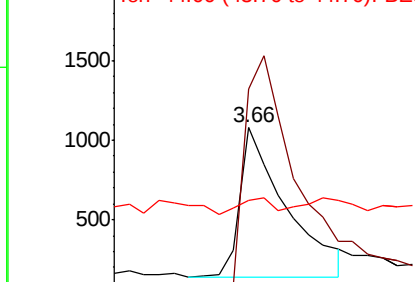
42 100

74 171.4 138.6 207.8

44 7.6 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



#4

2-Fluorophenol

Concen: 0.785 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

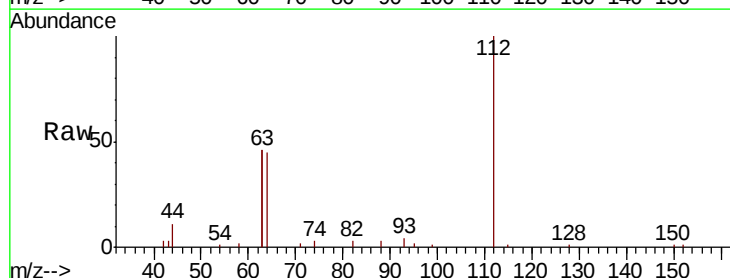
Tgt Ion: 112 Resp: 9131

Ion Ratio Lower Upper

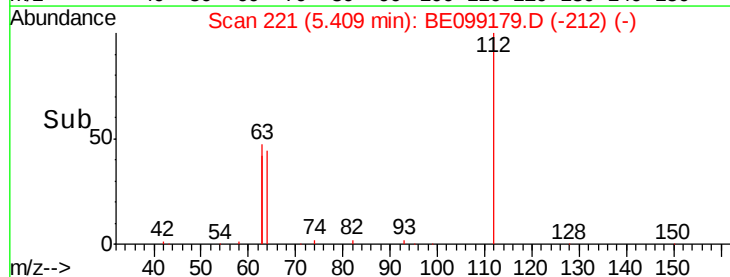
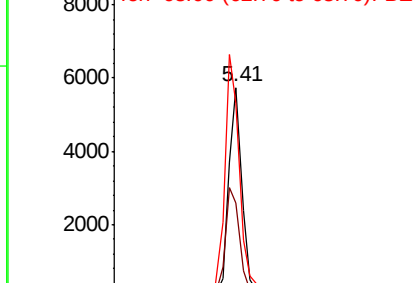
112 100

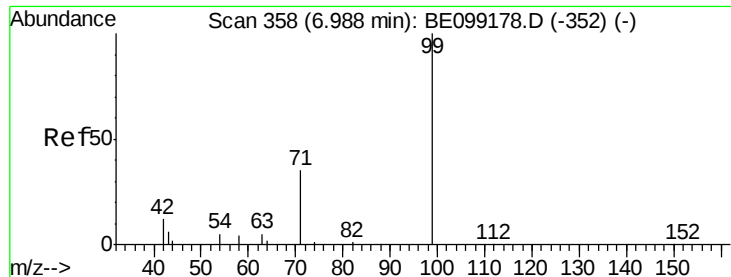
64 57.2 46.2 69.2

63 117.7 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





#5

Phenol-d6

Concen: 0.854 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

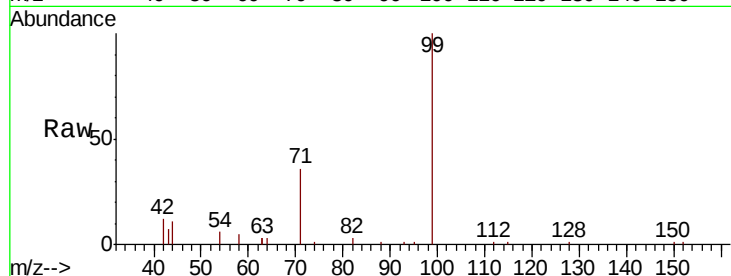
Tot Ion: 99 Resp: 14312

Ion Ratio Lower Upper

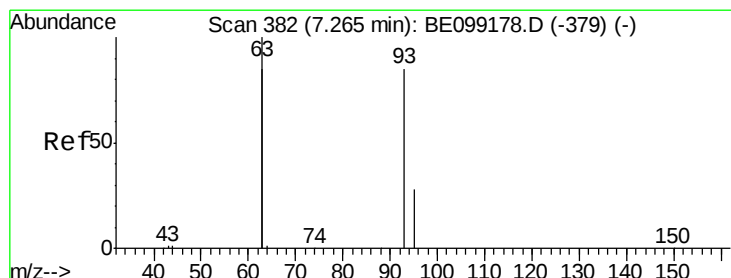
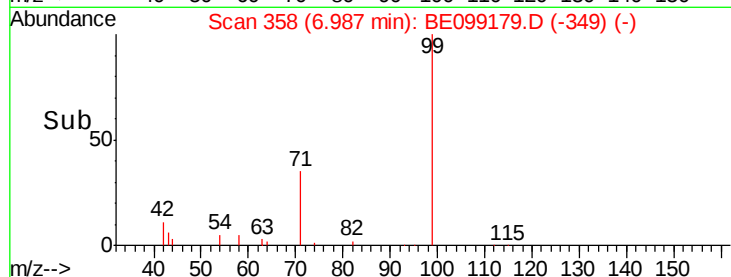
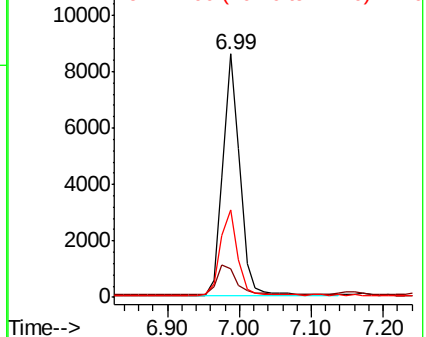
99 100

42 13.8 12.4 18.6

71 35.9 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: 0.811 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

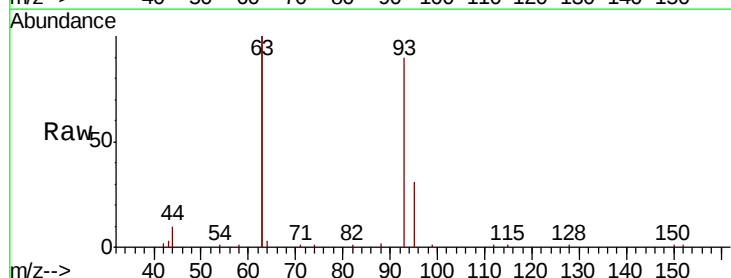
Tgt Ion: 93 Resp: 11048

Ion Ratio Lower Upper

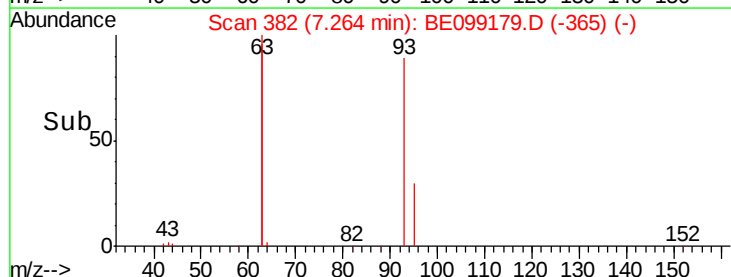
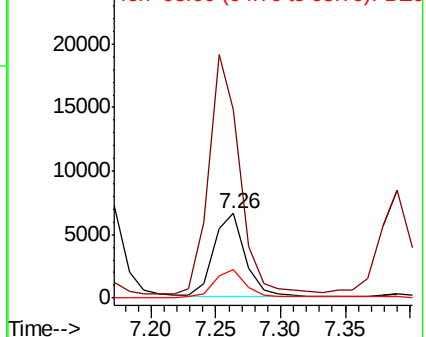
93 100

63 282.3 221.4 332.0

95 33.2 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: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 17720

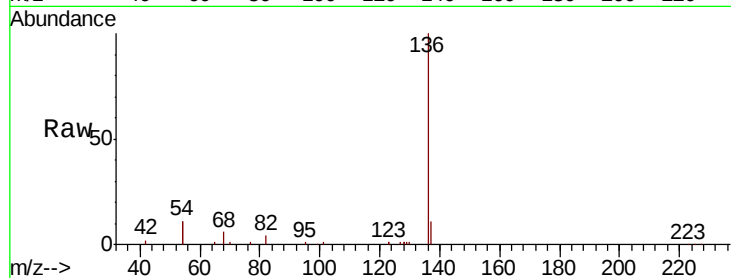
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 22.1 18.7 28.1

68 6.2 5.2 7.8

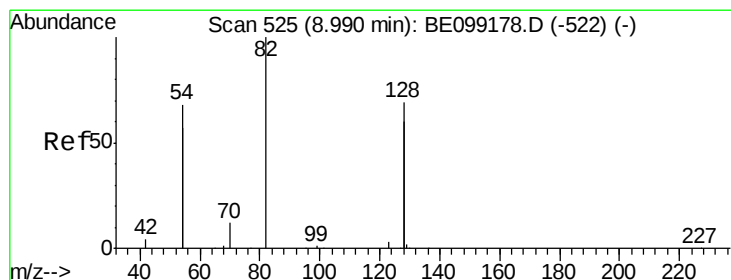
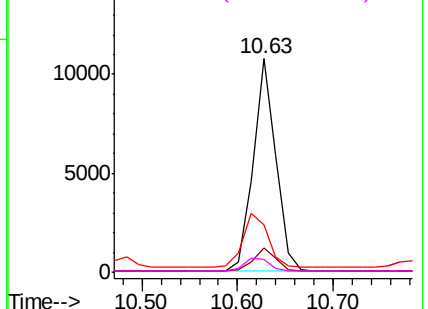
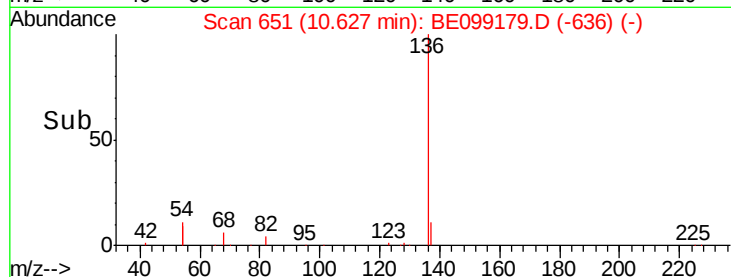


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.463 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

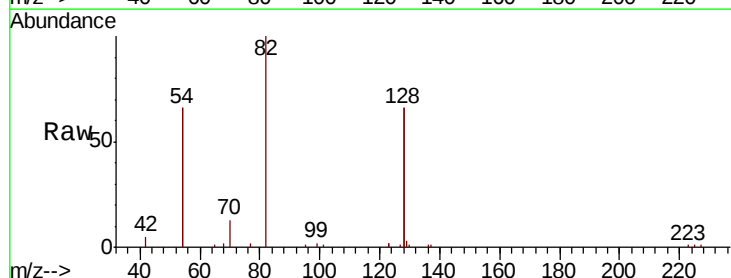
Tgt Ion: 82 Resp: 11336

Ion Ratio Lower Upper

82 100

128 132.1 107.5 161.3

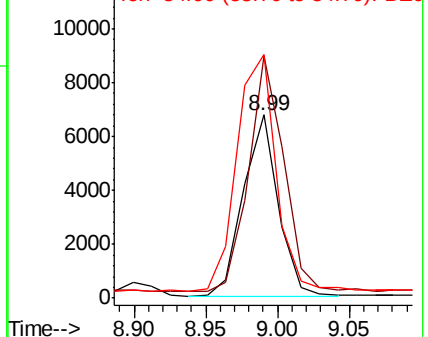
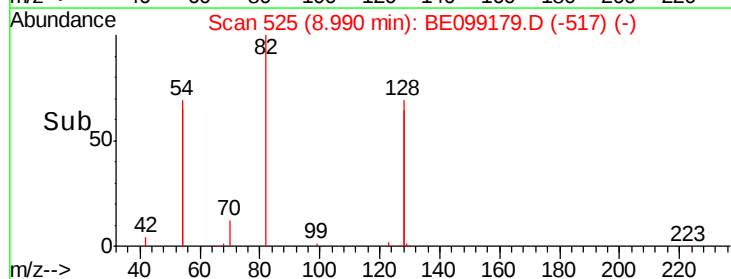
54 132.9 106.3 159.5

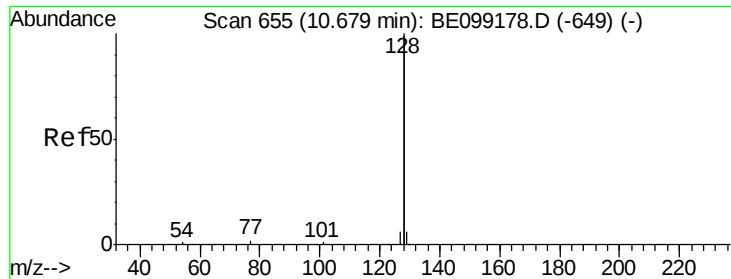


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.812 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

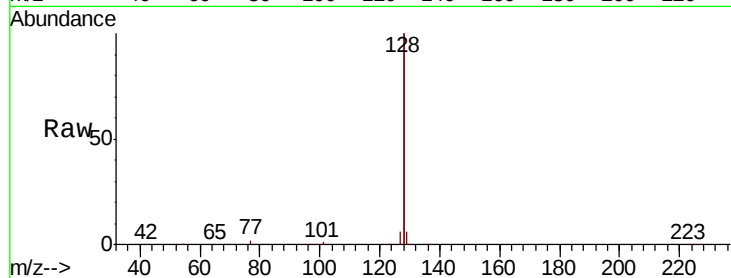
Tot Ion:128 Resp: 169570

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

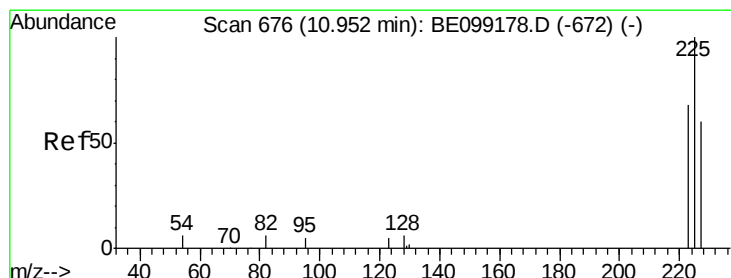
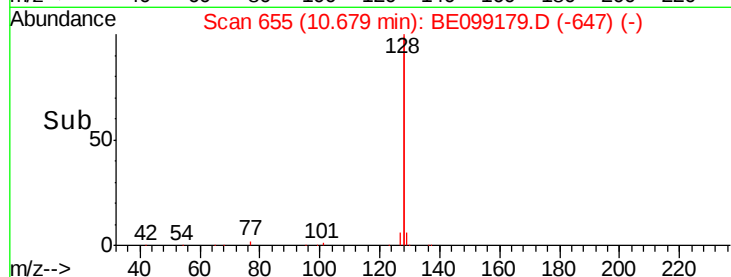
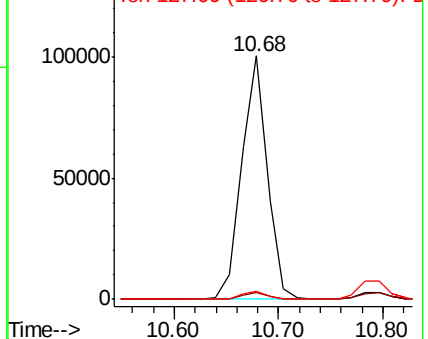
127 3.2 2.6 3.8



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: 0.877 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

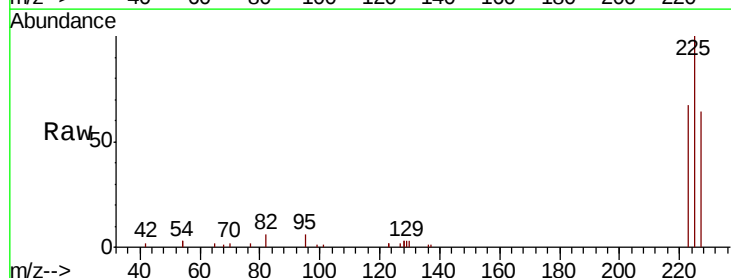
Tgt Ion:225 Resp: 8957

Ion Ratio Lower Upper

225 100

223 62.6 51.3 76.9

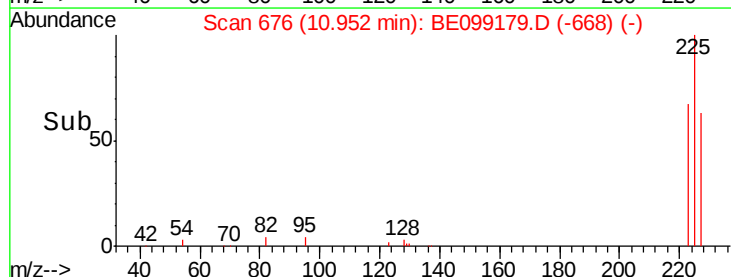
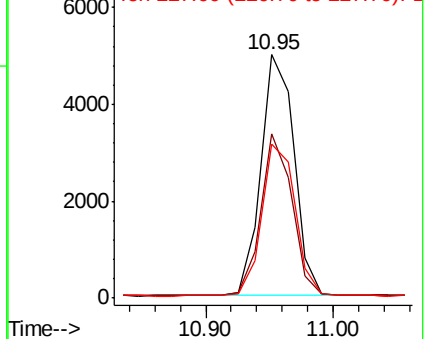
227 63.4 48.6 73.0

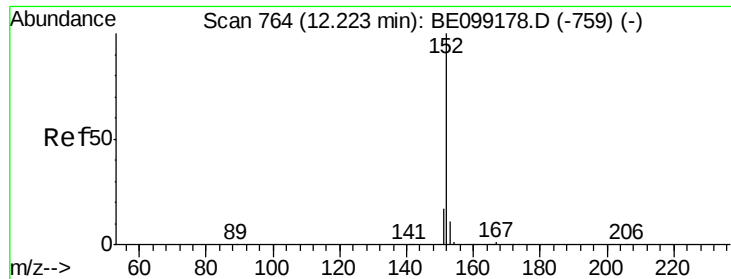


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

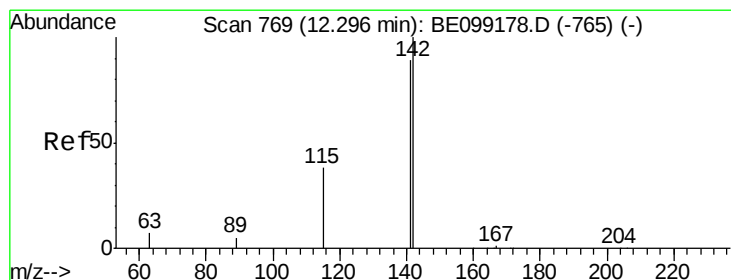
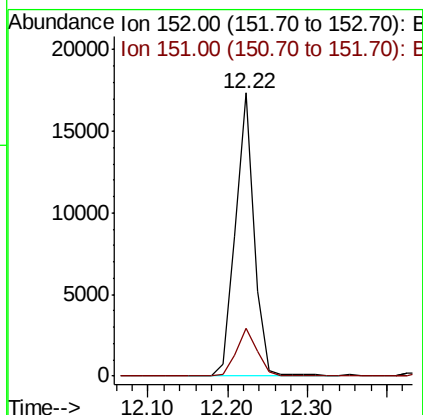
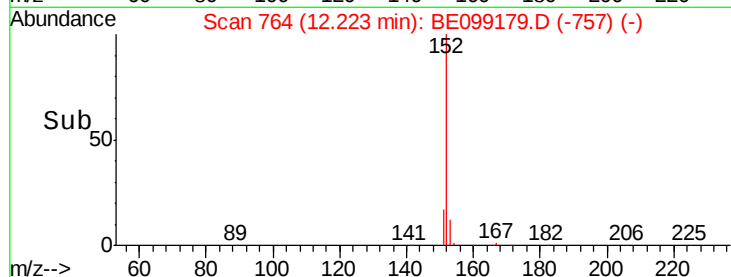
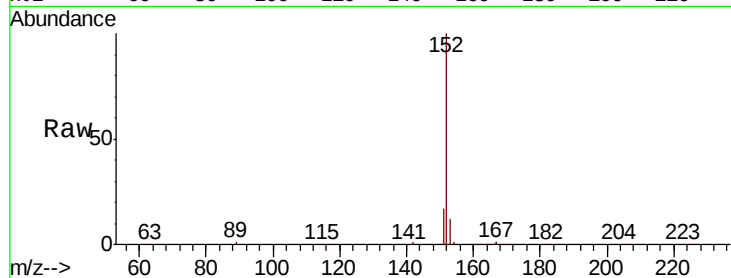




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.869 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BE099179.D  
 Acq: 25 Mar 2019 12:28

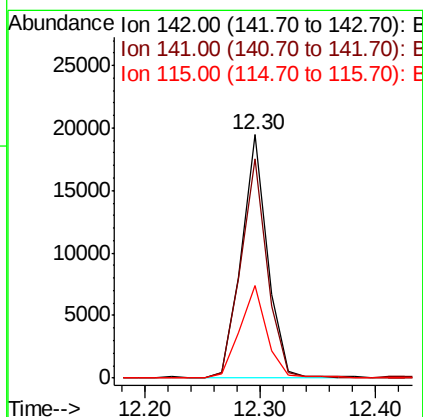
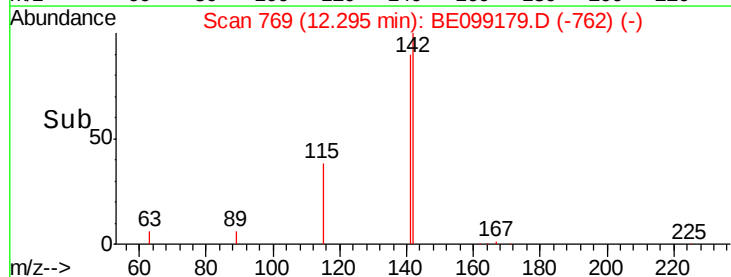
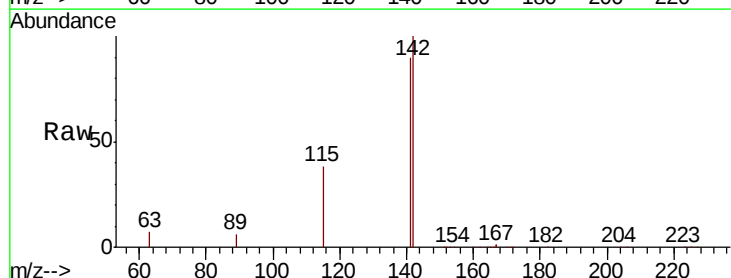
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:152 Resp: 27735  
 Ion Ratio Lower Upper  
 152 100  
 151 18.9 15.0 22.6



#12  
 2-Methylnaphthalene  
 Concen: 0.842 ng  
 RT: 12.30 min Scan# 769  
 Delta R.T. -0.00 min  
 Lab File: BE099179.D  
 Acq: 25 Mar 2019 12:28

Tgt Ion:142 Resp: 30098  
 Ion Ratio Lower Upper  
 142 100  
 141 90.2 71.3 106.9  
 115 38.3 30.4 45.6

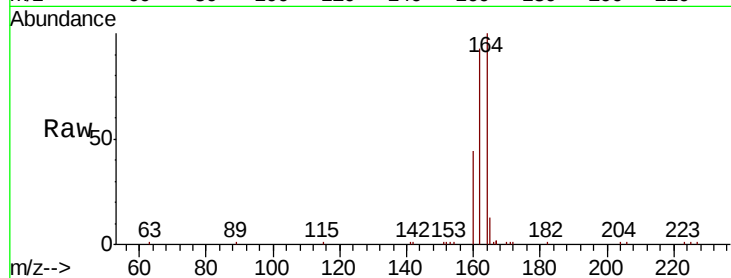




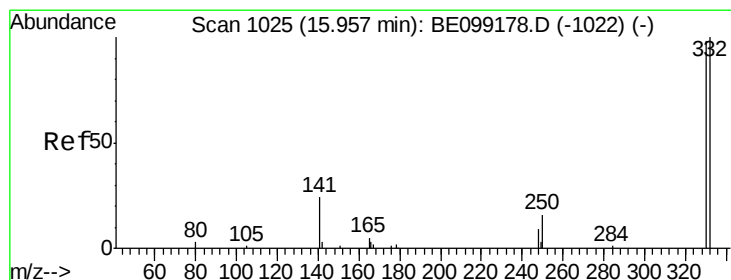
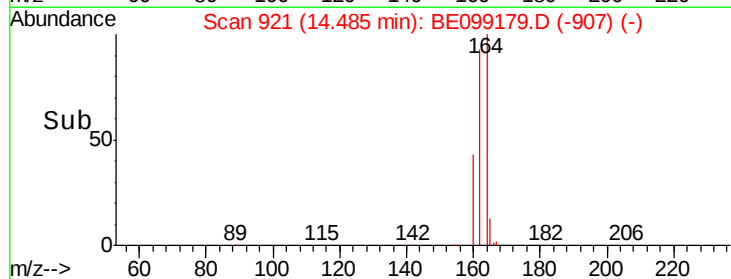
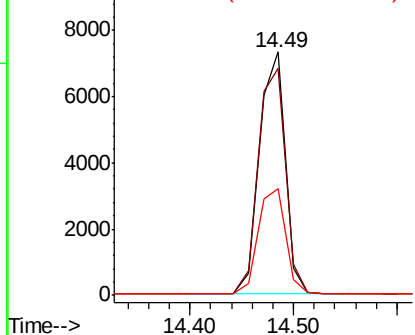
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 12751  
Ion Ratio Lower Upper  
164 100  
162 93.4 79.2 118.8  
160 43.9 36.7 55.1

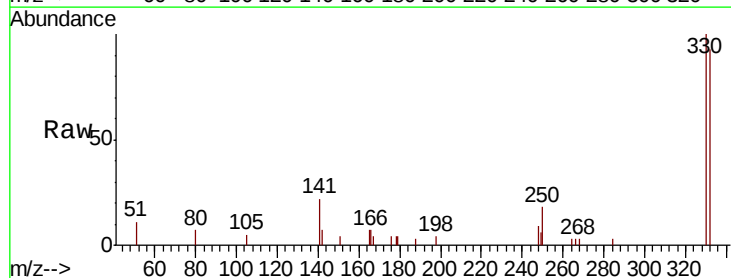


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

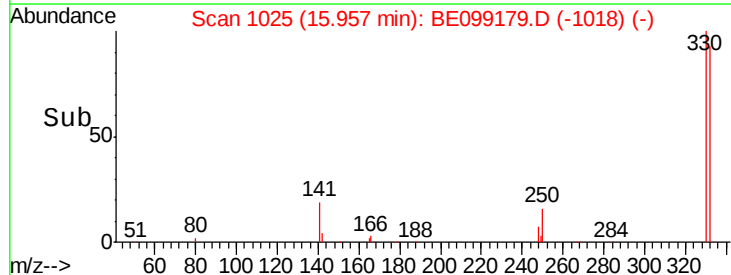
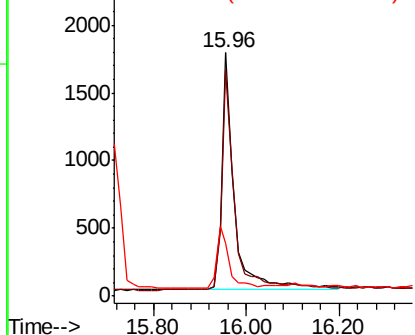


#14  
2,4,6-Tribromophenol  
Concen: 0.897 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion:330 Resp: 3363  
Ion Ratio Lower Upper  
330 100  
332 94.8 71.3 106.9  
141 26.2 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

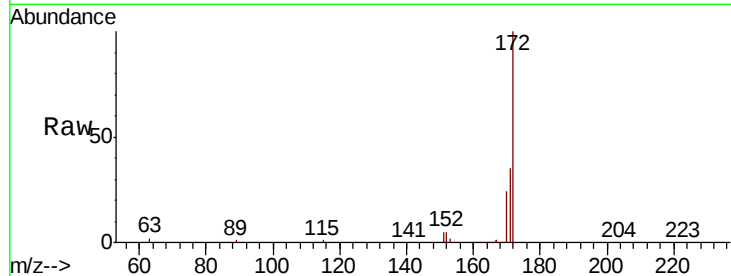




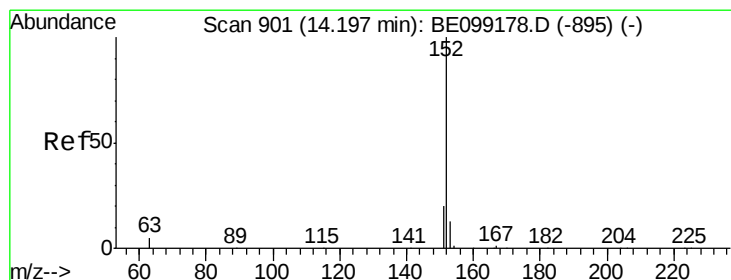
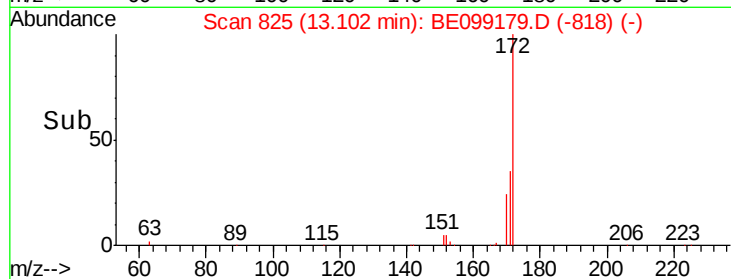
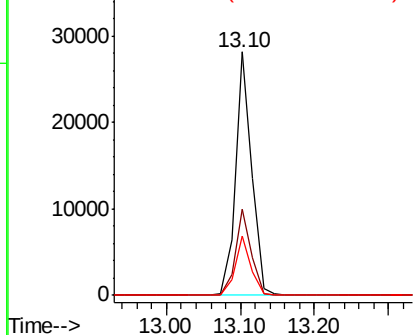
#15  
2-Fluorobiphenyl  
Concen: 0.834 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 42315  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.4 41.0  
170 24.4 19.1 28.7

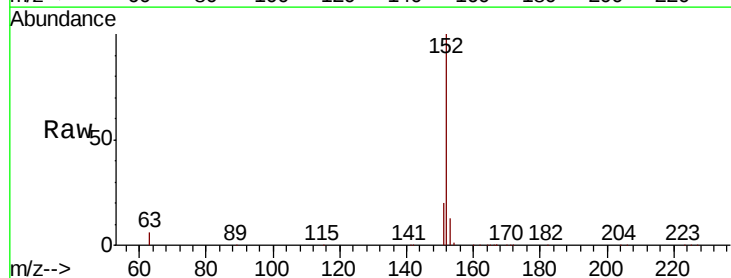


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

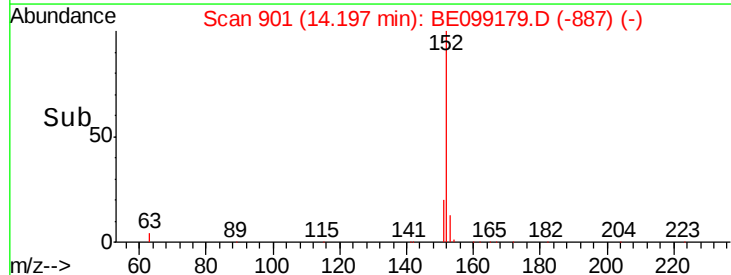
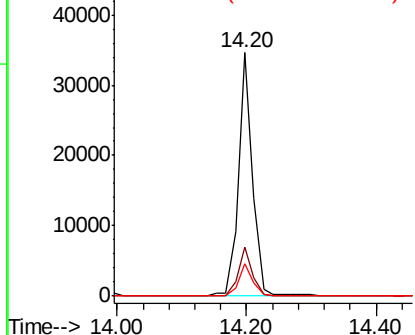


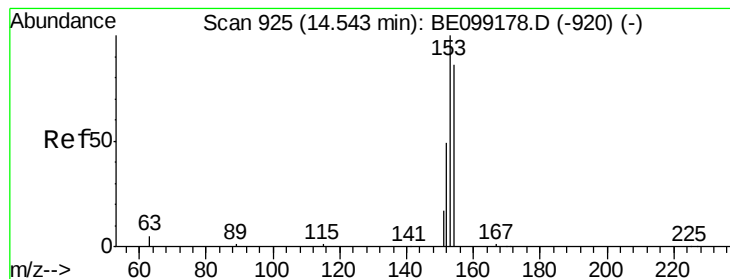
#16  
Acenaphthylene  
Concen: 0.763 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion:152 Resp: 51893  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.7 23.5  
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.769 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

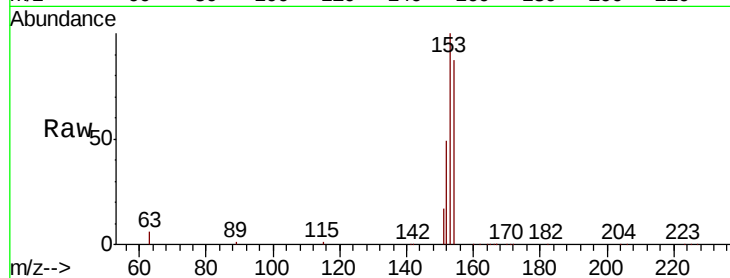
Tot Ion:154 Resp: 31021

Ion Ratio Lower Upper

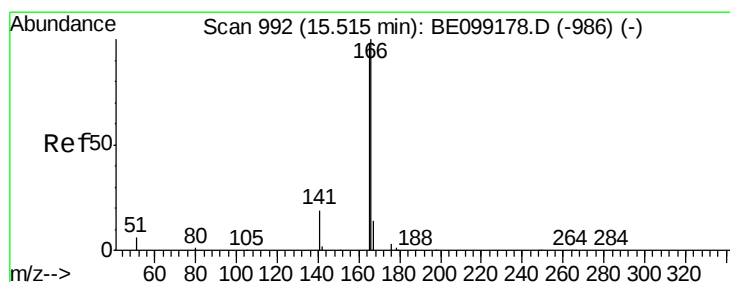
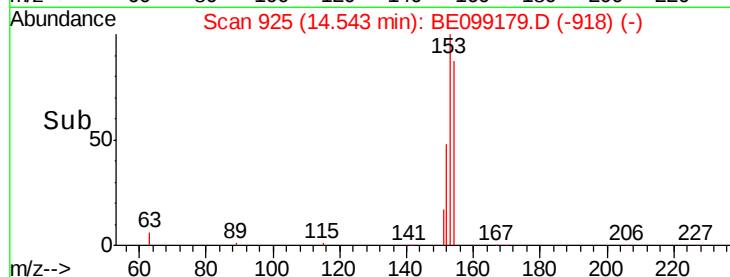
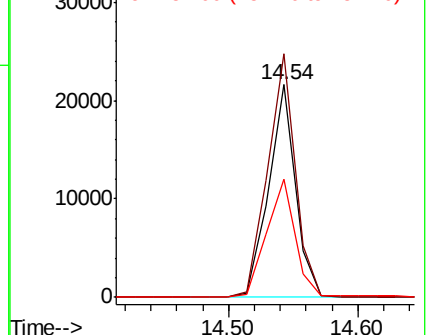
154 100

153 117.9 93.4 140.0

152 58.3 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: 0.753 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

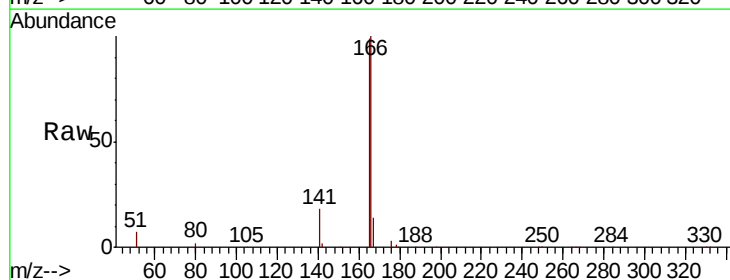
Tgt Ion:166 Resp: 44355

Ion Ratio Lower Upper

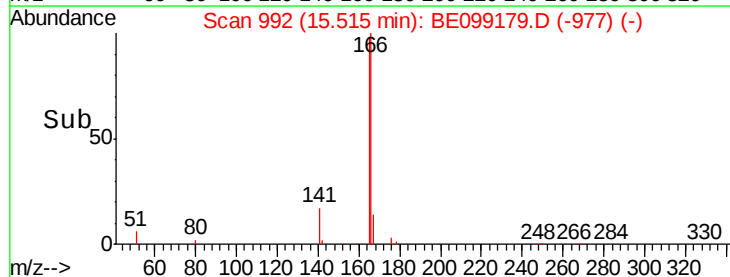
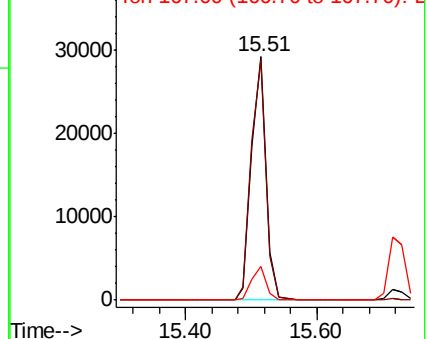
166 100

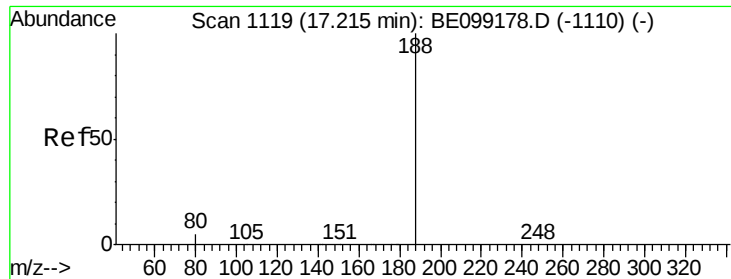
165 99.9 78.9 118.3

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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

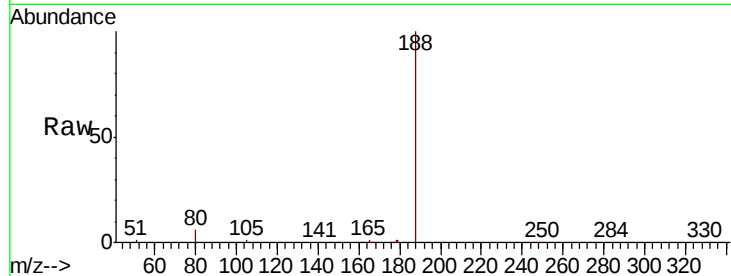
Tot Ion:188 Resp: 31902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

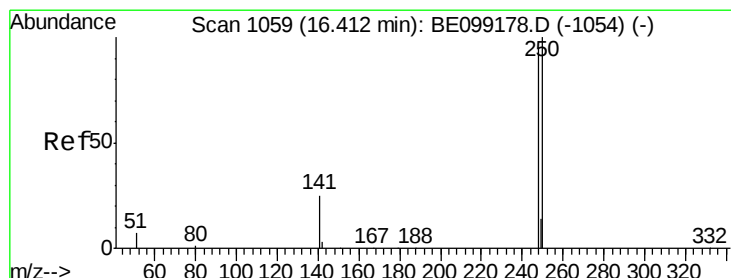
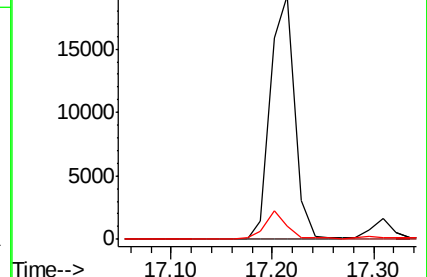
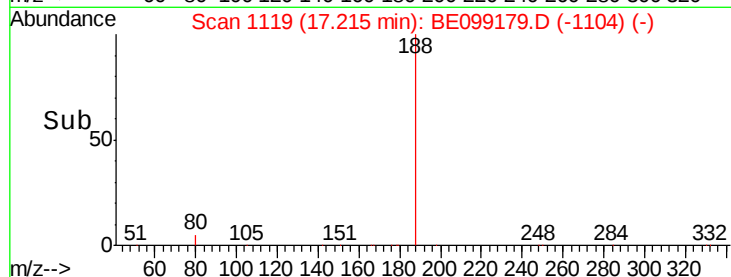
80 5.7 4.5 6.7



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: 0.959 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

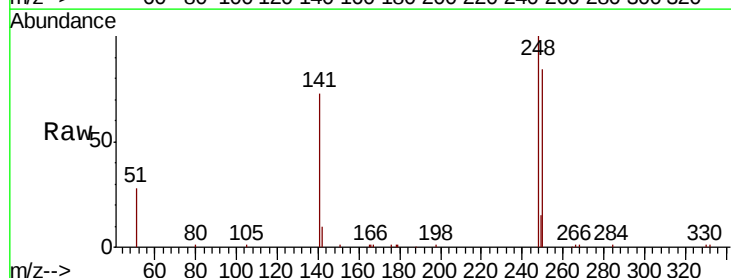
Tgt Ion:248 Resp: 16935

Ion Ratio Lower Upper

248 100

250 84.4 84.2 126.2

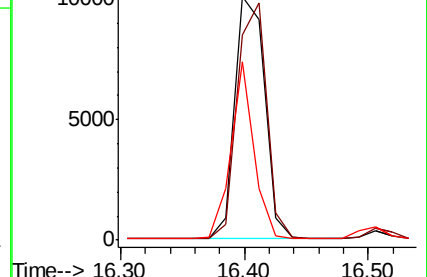
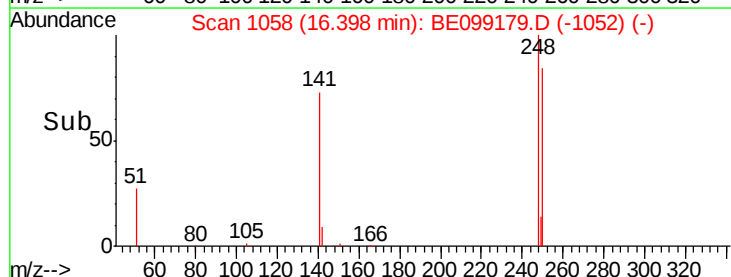
141 73.3 21.8 32.6#

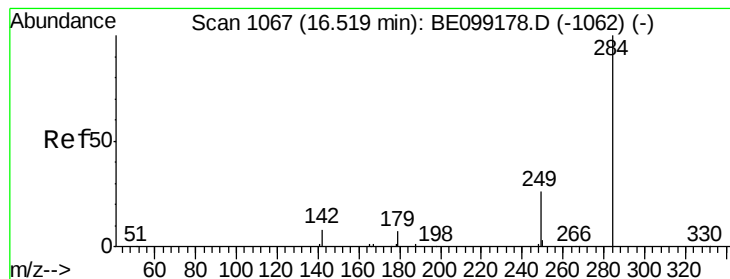


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.979 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

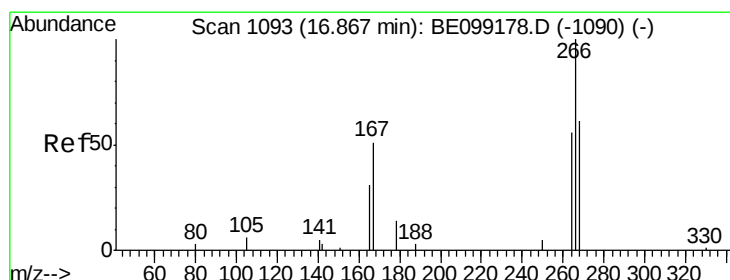
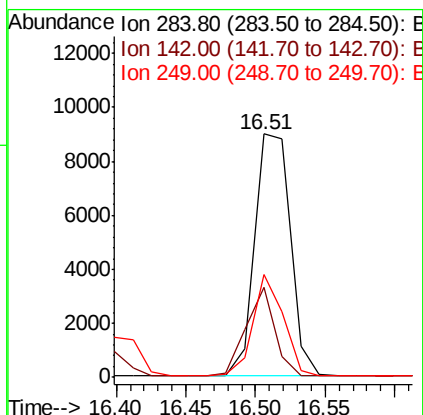
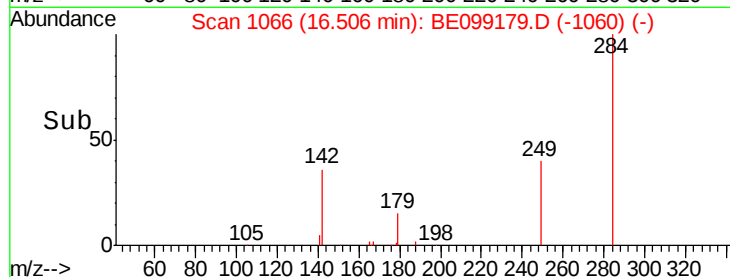
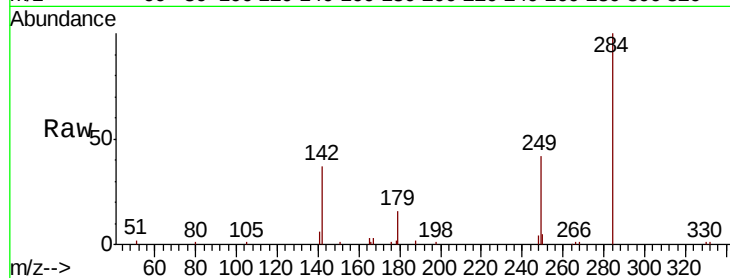
Tot Ion:284 Resp: 16052

Ion Ratio Lower Upper

284 100

142 29.1 22.7 34.1

249 34.9 26.9 40.3



#22

Pentachlorophenol

Concen: 0.470 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

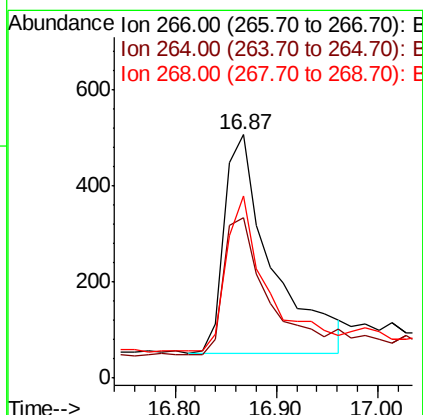
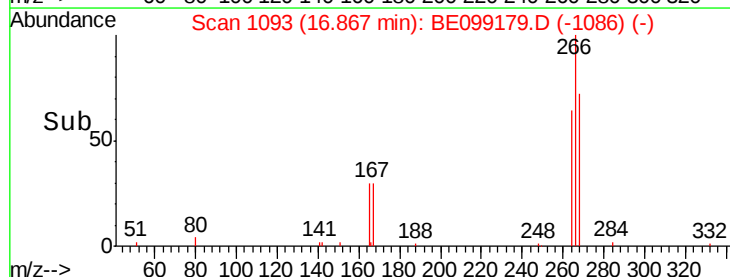
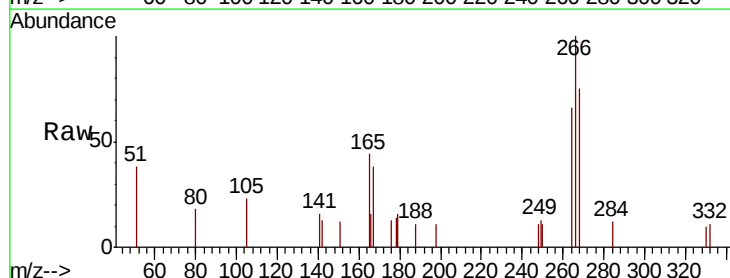
Tgt Ion:266 Resp: 1469

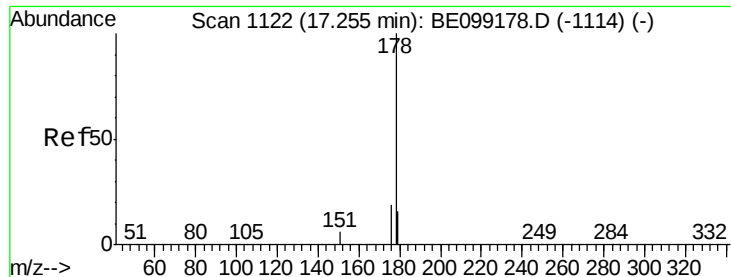
Ion Ratio Lower Upper

266 100

264 66.1 54.4 81.6

268 75.0 61.3 91.9

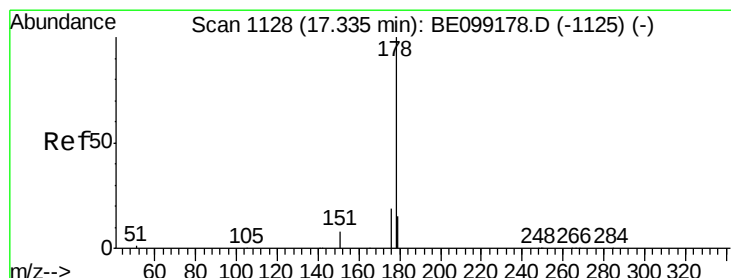
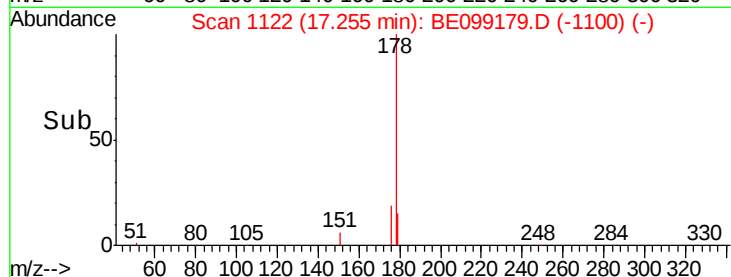
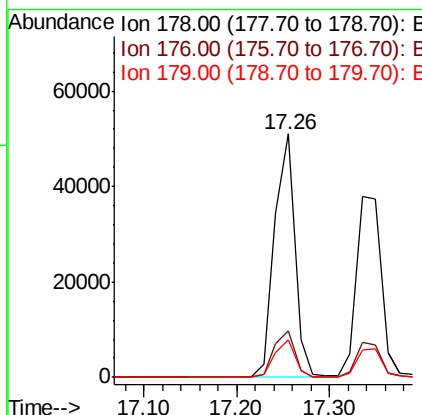
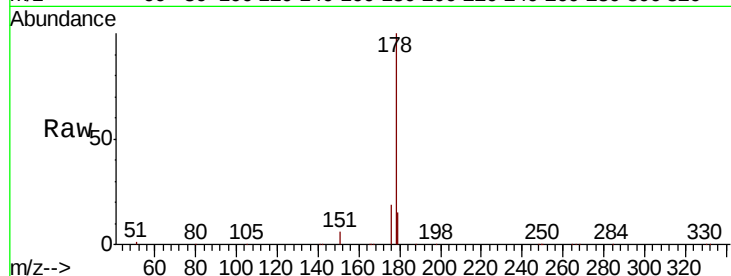




#23  
Phenanthrene  
Concen: 0.821 ng  
RT: 17.26 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

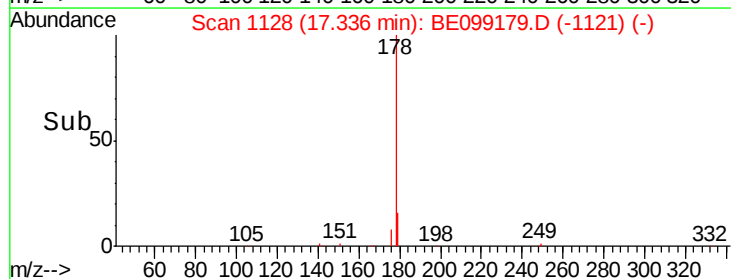
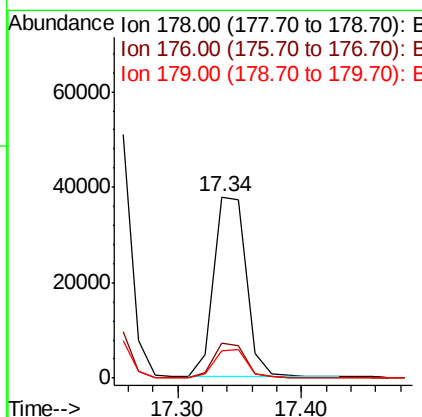
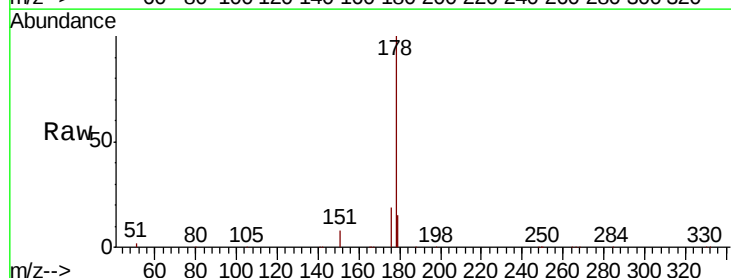
Instrument :  
BNA\_E  
ClientSampleId :

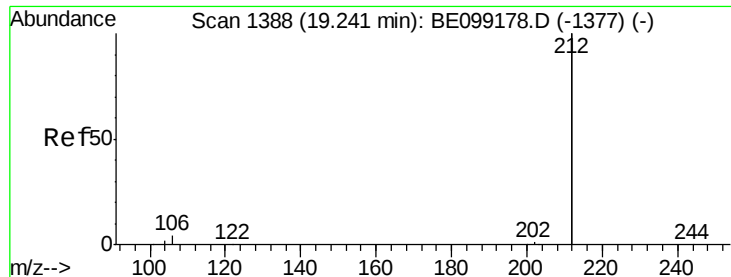
Tot Ion:178 Resp: 77800  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.1 12.3 18.5



#24  
Anthracene  
Concen: 0.767 ng  
RT: 17.34 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion:178 Resp: 68749  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.1 22.7  
179 15.5 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.735 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

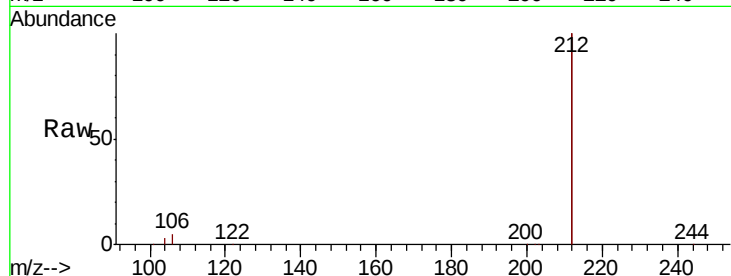
Tot Ion:212 Resp: 312914

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

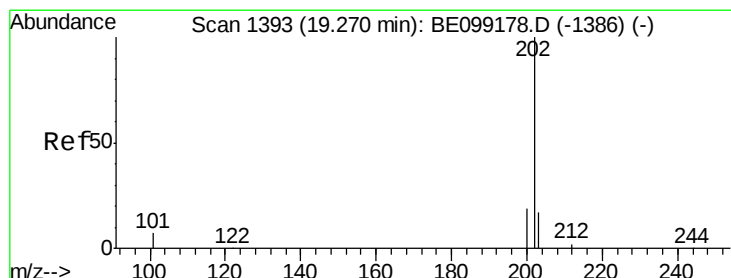
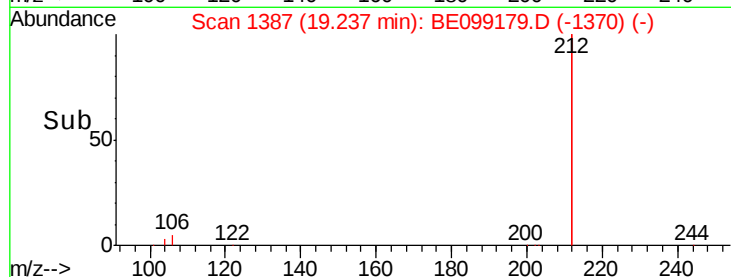
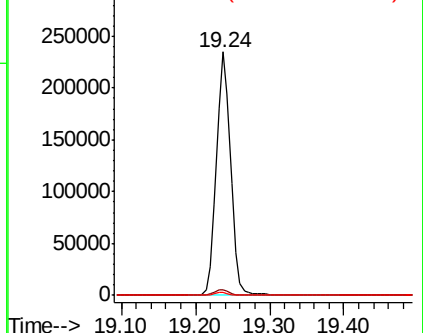
104 1.4 1.1 1.7



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: 0.733 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

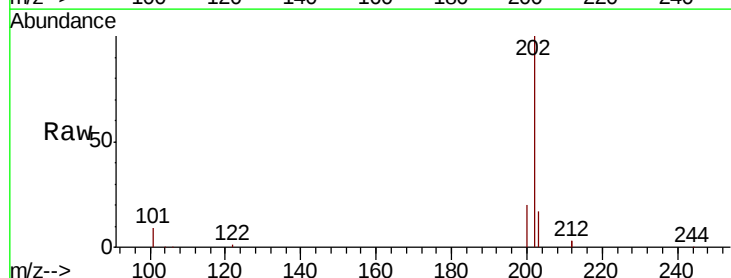
Tgt Ion:202 Resp: 97710

Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

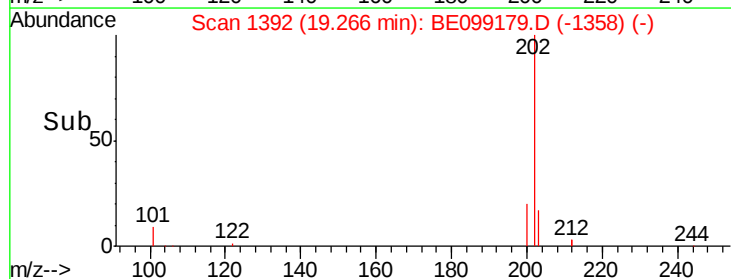
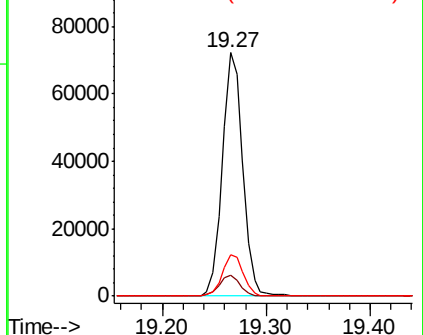
203 17.2 13.8 20.6



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# 1630

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampled :

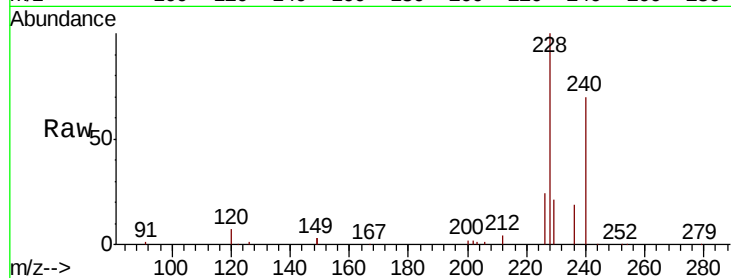
Tot Ion:240 Resp: 36298

Ion Ratio Lower Upper

240 100

120 10.2 2.6 3.8#

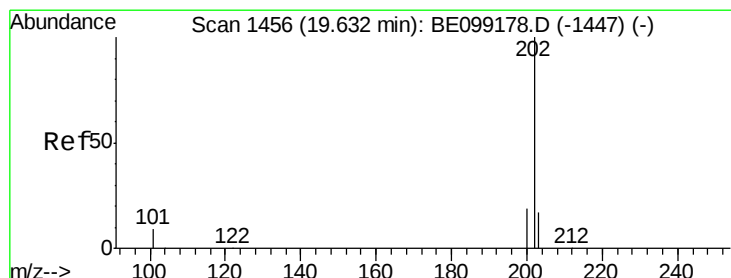
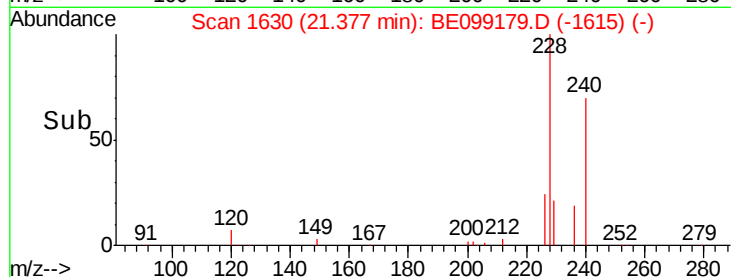
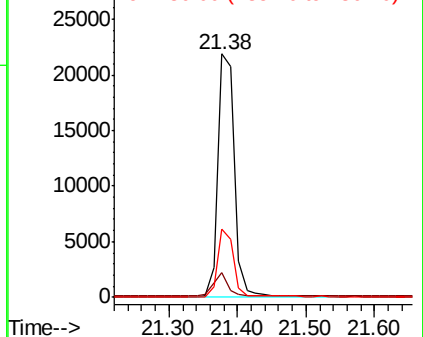
236 27.8 20.9 31.3



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: 0.799 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

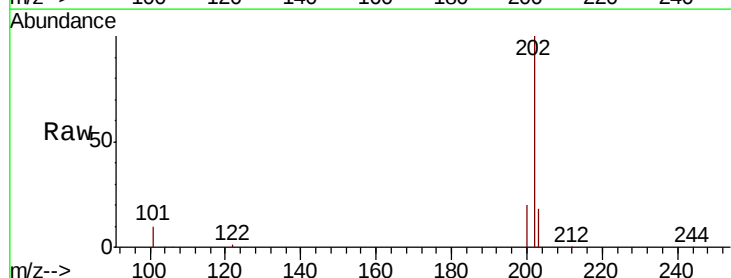
Tgt Ion:202 Resp: 98414

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

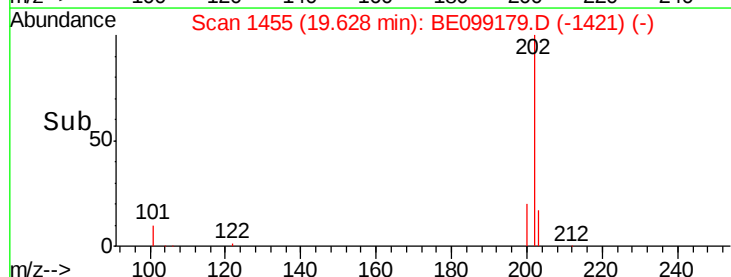
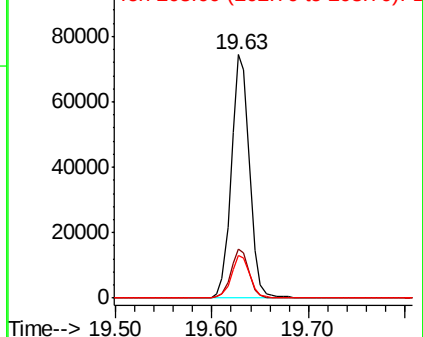
203 17.6 14.1 21.1



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: 0.835 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

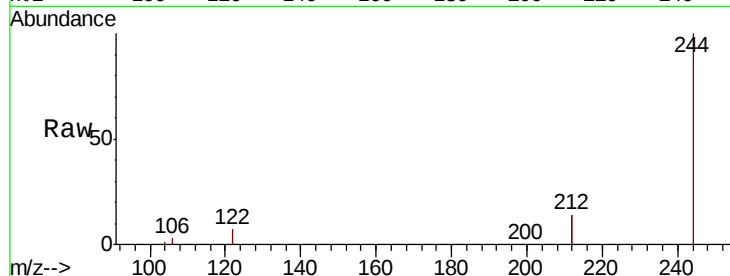
Tot Ion:244 Resp: 64156

Ion Ratio Lower Upper

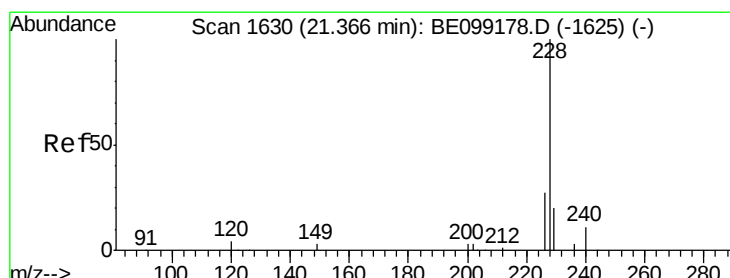
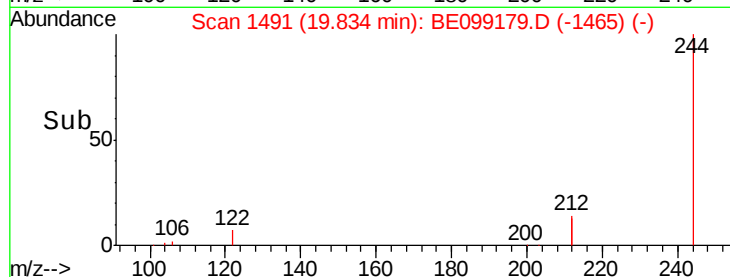
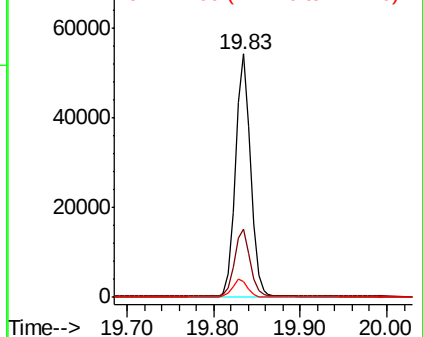
244 100

212 28.1 22.7 34.1

122 6.7 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: 0.753 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

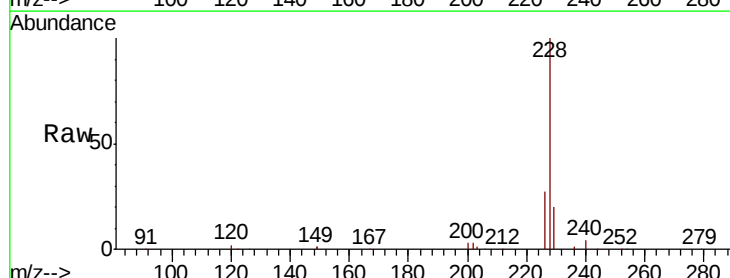
Tgt Ion:228 Resp: 96253

Ion Ratio Lower Upper

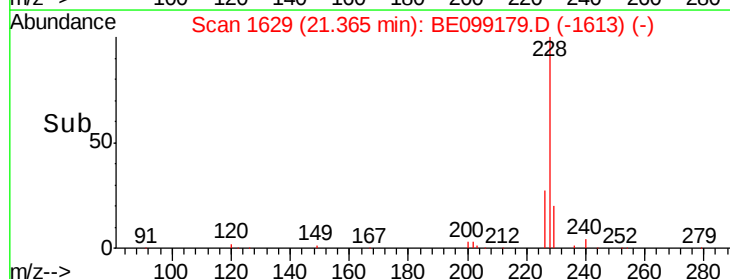
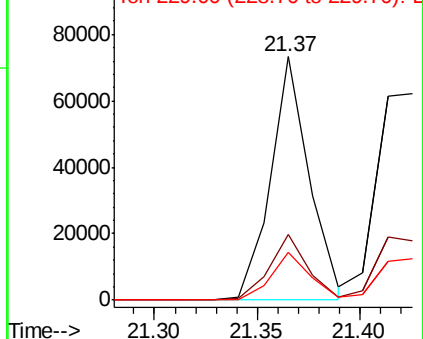
228 100

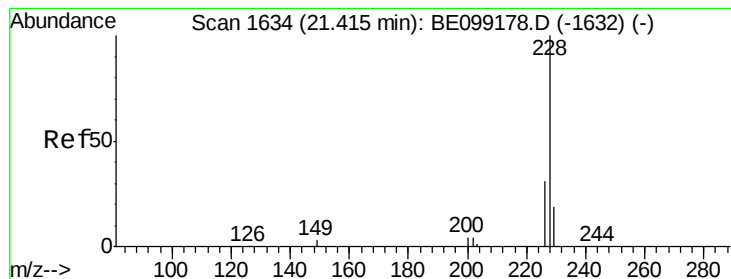
226 27.0 21.7 32.5

229 19.6 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: 0.817 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampled :

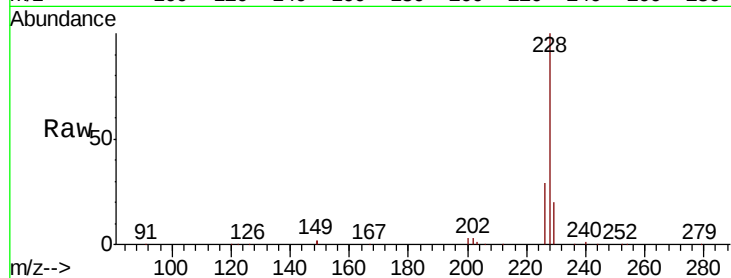
Tot Ion:228 Resp: 104455

Ion Ratio Lower Upper

228 100

226 28.8 24.8 37.2

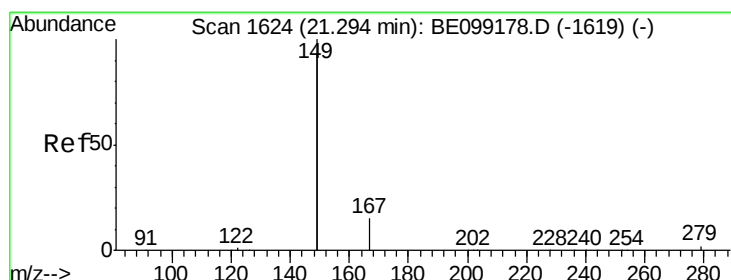
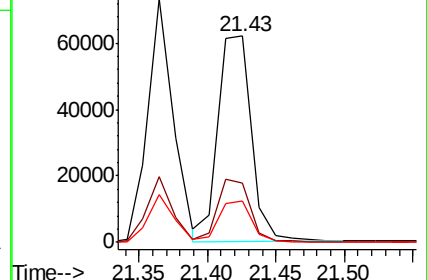
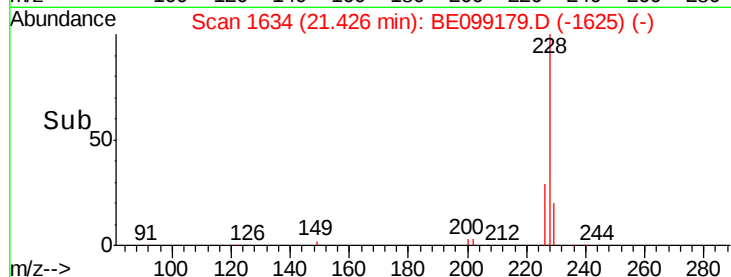
229 20.2 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.616 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

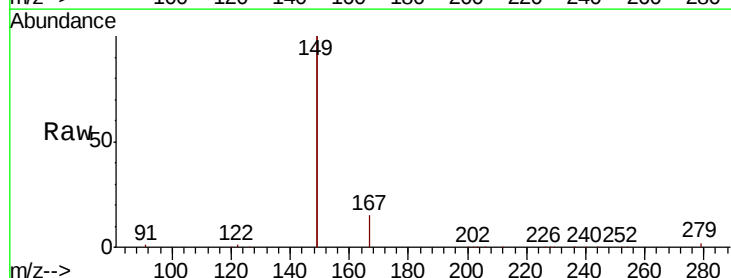
Tgt Ion:149 Resp: 102304

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

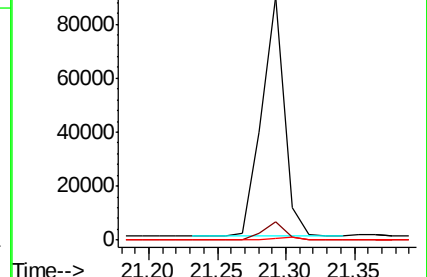
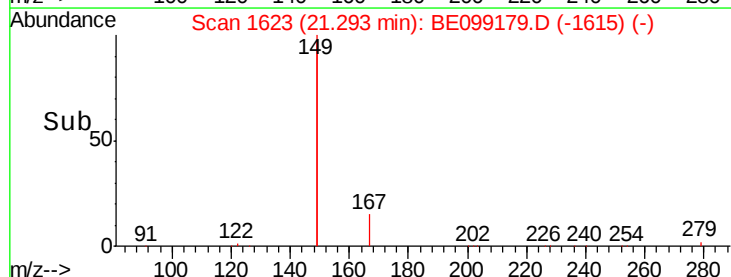
279 1.2 1.0 1.6



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

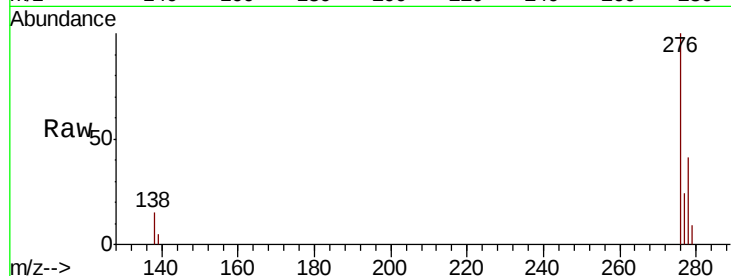




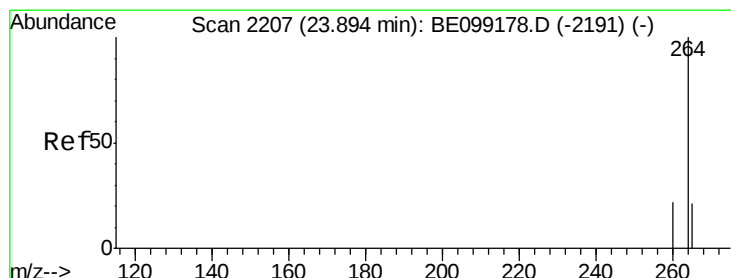
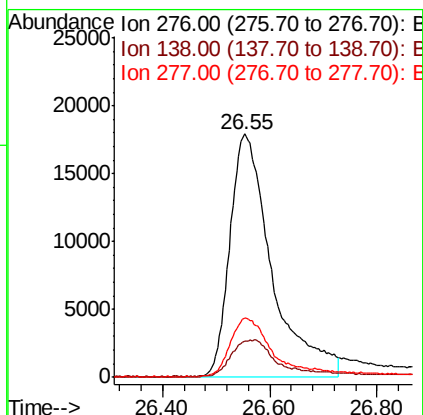
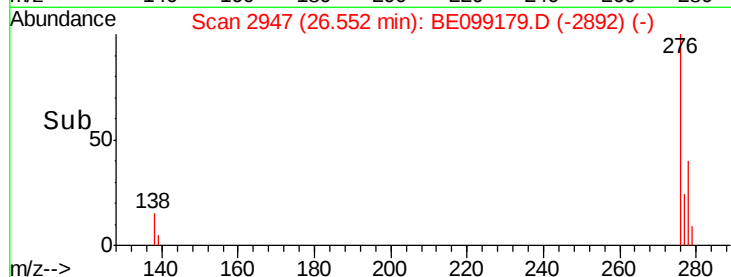
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.709 ng  
RT: 26.55 min Scan# 2947  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:276 Resp: 97341  
Ion Ratio Lower Upper  
276 100  
138 7.4 12.9 19.3#  
277 23.9 18.3 27.5

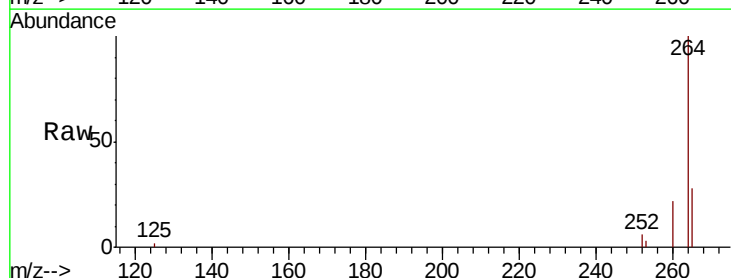


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

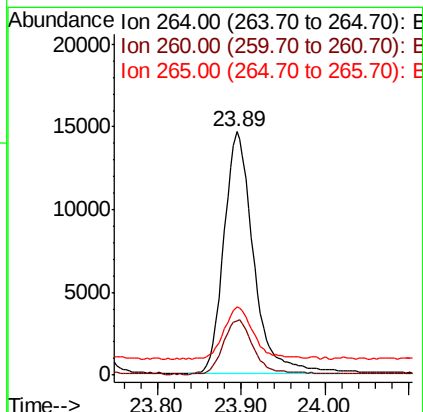
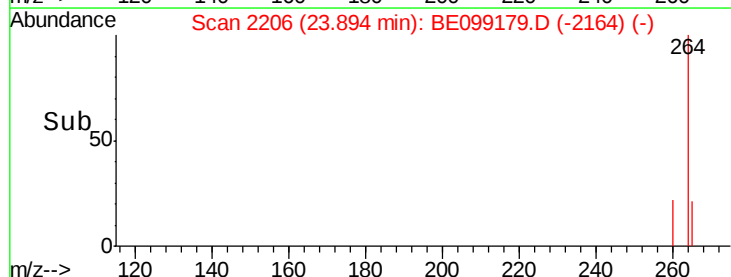


#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2206  
Delta R.T. 0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion:264 Resp: 35971  
Ion Ratio Lower Upper  
264 100  
260 22.3 18.2 27.2  
265 27.9 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: 0.775 ng

RT: 23.12 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :

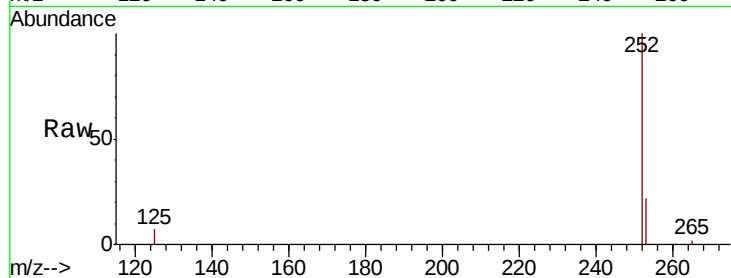
Tot Ion:252 Resp: 96447

Ion Ratio Lower Upper

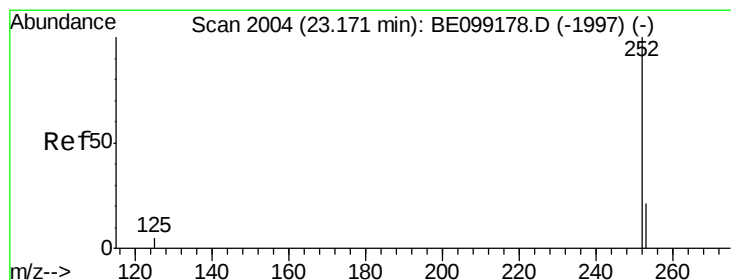
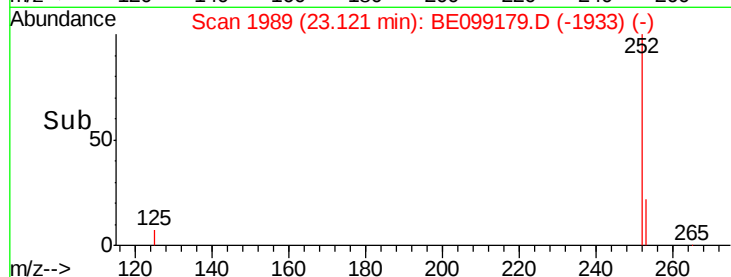
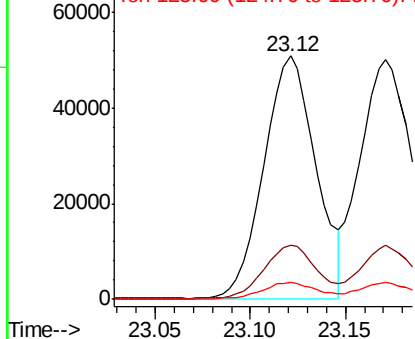
252 100

253 22.1 17.8 26.8

125 6.9 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: 0.848 ng

RT: 23.17 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

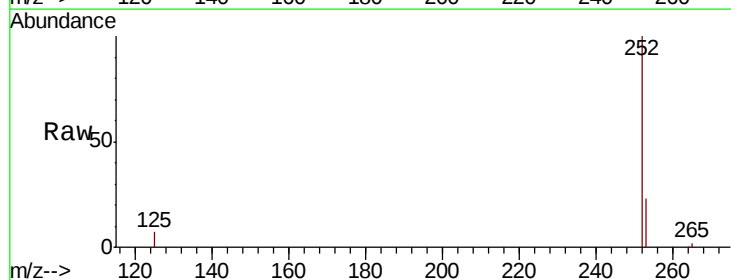
Tgt Ion:252 Resp: 103341

Ion Ratio Lower Upper

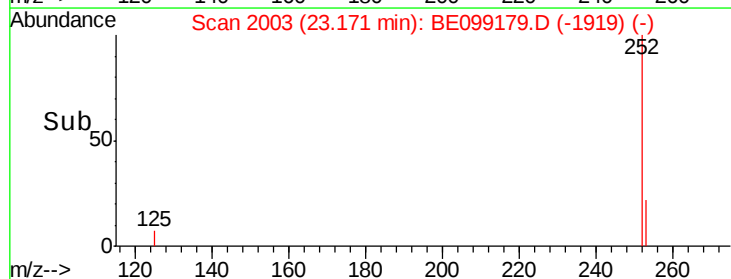
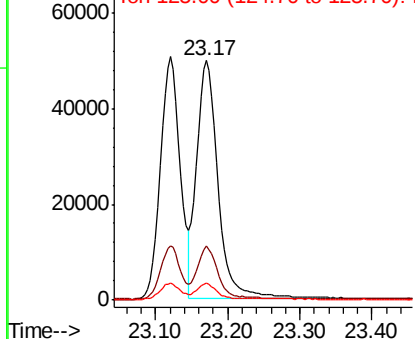
252 100

253 22.6 17.8 26.6

125 7.1 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

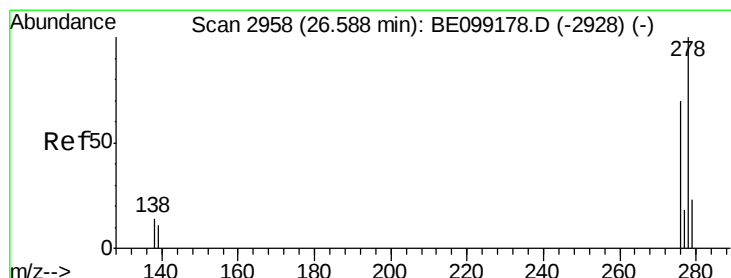
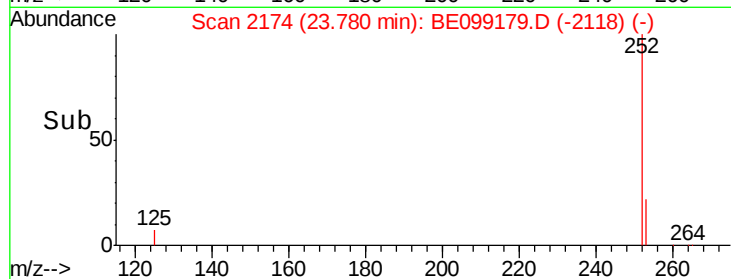
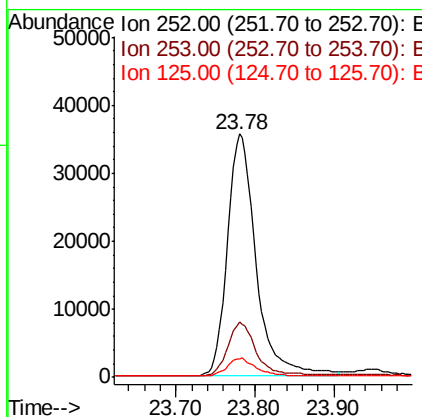
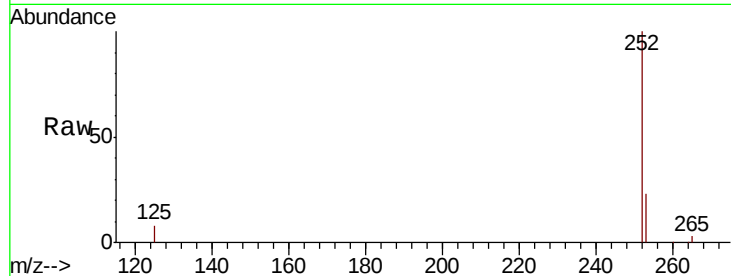




#37  
Benzo(a)pyrene  
Concen: 0.784 ng  
RT: 23.78 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

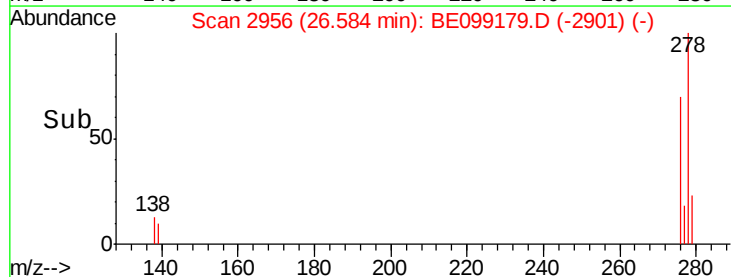
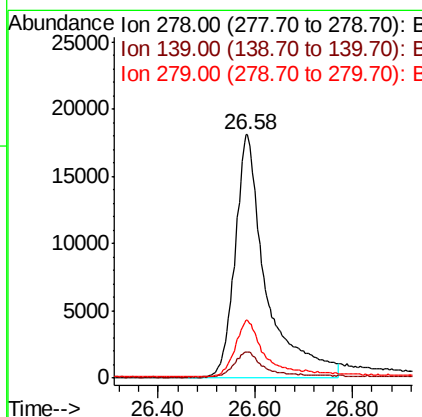
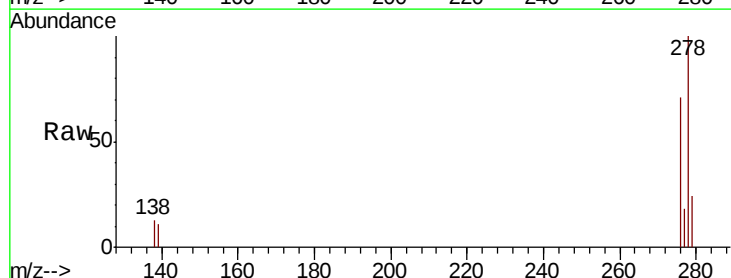
Instrument :  
BNA\_E  
ClientSampleId :

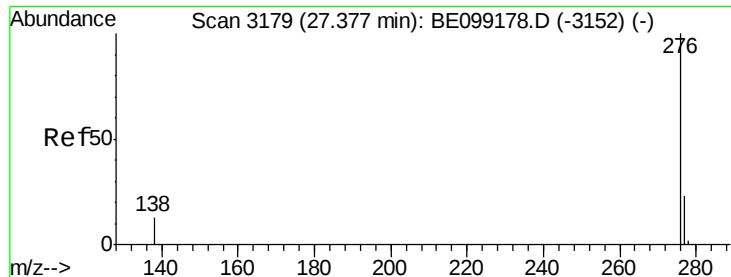
Tot Ion:252 Resp: 90196  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.1 27.1  
125 7.7 6.8 10.2



#38  
Dibenzo(a,h)anthracene  
Concen: 0.716 ng  
RT: 26.58 min Scan# 2956  
Delta R.T. -0.00 min  
Lab File: BE099179.D  
Acq: 25 Mar 2019 12:28

Tgt Ion:278 Resp: 80126  
Ion Ratio Lower Upper  
278 100  
139 10.7 9.5 14.3  
279 23.9 19.1 28.7





#39

Benzo(a,h,i)perylene

Concen: 0.702 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.00 min

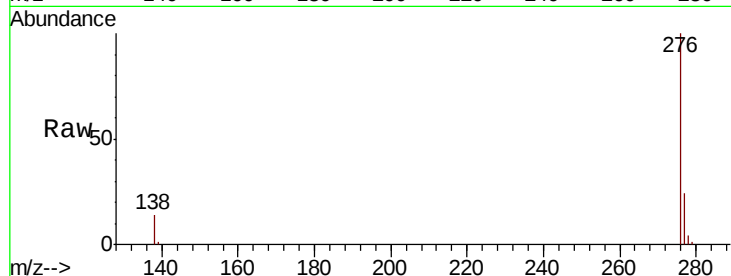
Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 276 Resp: 80626

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 14.2 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

