

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100815\  
 Data File : BE090997.D  
 Acq On : 8 Oct 2015 11:21  
 Operator : UM/IZ  
 Sample : G3965-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TW-4

Quant Time: Oct 09 01:36:26 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 07 17:11:43 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 68116    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 9.63  | 136  | 339052   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 13.45 | 164  | 189530   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.17 | 188  | 428225   | 5.00 | ng    | -0.01    |
| 26) Chrysene-d12          | 20.33 | 240  | 545908   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 22.25 | 264  | 534441   | 5.00 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 4.97  | 112 | 50155  | 3.67 | ng | -0.03 |
| 5) Phenol-d6                | 6.60  | 99  | 49251  | 2.82 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.21  | 82  | 96207  | 4.33 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 14.99 | 330 | 62236  | 9.45 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.08 | 172 | 195084 | 3.80 | ng | -0.01 |
| 29) Terphenyl-d14           | 18.73 | 244 | 332245 | 4.93 | ng | 0.00  |

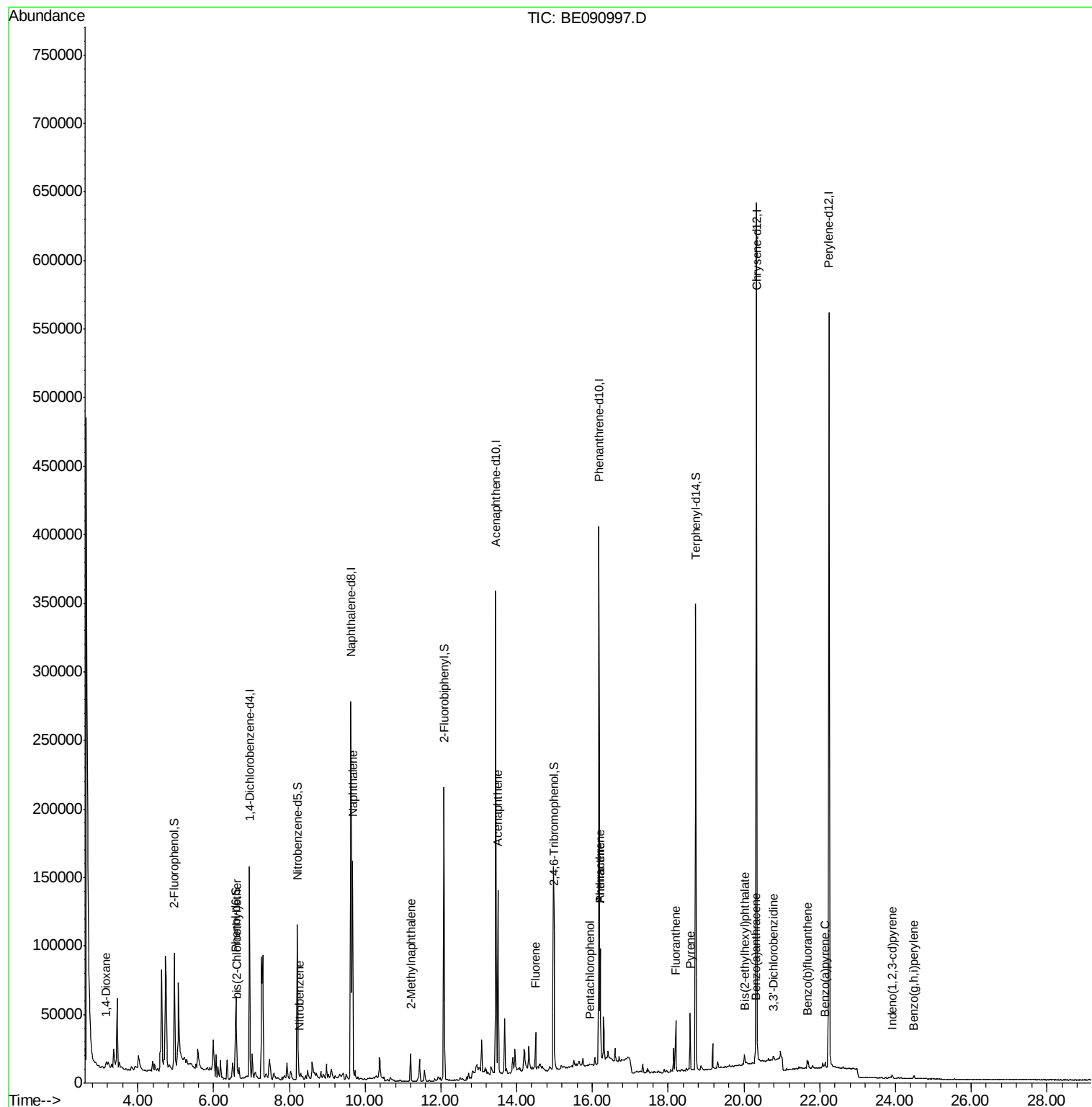
|                                |       |     |        |       |     |        |
|--------------------------------|-------|-----|--------|-------|-----|--------|
| Target Compounds               |       |     |        |       |     | Qvalue |
| 2) 1,4-Dioxane                 | 3.16  | 88  | 7131   | 0.60  | ng  | # 83   |
| 3) n-Nitrosodimethylamine      | 3.76  | 42  | 256    | Below | Cal | # 24   |
| 6) bis(2-Chloroethyl)ether     | 6.62  | 93  | 2848   | 0.20  | ng  | # 1    |
| 9) Nitrobenzene                | 8.27  | 77  | 1462   | 0.34  | ng  | # 20   |
| 10) Naphthalene                | 9.67  | 128 | 201383 | 3.06  | ng  | 100    |
| 11) Hexachlorobutadiene        | 9.89  | 225 | 6      | Below | Cal | # 1    |
| 12) 2-Methylnaphthalene        | 11.20 | 142 | 13857  | 0.32  | ng  | # 94   |
| 17) Acenaphthene               | 13.51 | 154 | 24188  | 0.48  | ng  | 91     |
| 18) Fluorene                   | 14.50 | 166 | 17542  | 0.28  | ng  | 98     |
| 21) Hexachlorobenzene          | 15.47 | 284 | 53     | Below | Cal | # 38   |
| 22) Pentachlorophenol          | 15.93 | 266 | 857    | 0.19  | ng  | # 89   |
| 23) Phenanthrene               | 16.21 | 178 | 77974  | 0.74  | ng  | 96     |
| 24) Anthracene                 | 16.21 | 178 | 77974  | 0.85  | ng  | 95     |
| 25) Fluoranthene               | 18.20 | 202 | 33900  | 0.27  | ng  | 98     |
| 27) Benzdine                   | 18.62 | 184 | 673    | Below | Cal | # 1    |
| 28) Pyrene                     | 18.58 | 202 | 34404  | 0.26  | ng  | 97     |
| 30) Benzo(a)anthracene         | 20.30 | 228 | 8515   | 0.07  | ng  | # 69   |
| 31) 3,3'-Dichlorobenzidine     | 20.78 | 252 | 306    | 0.04  | ng  | # 1    |
| 32) Chrysene                   | 20.36 | 228 | 8502   | Below | Cal | # 76   |
| 33) Bis(2-ethylhexyl)phthalate | 20.02 | 149 | 7293   | 0.23  | ng  | # 91   |
| 34) Indeno(1,2,3-cd)pyrene     | 23.91 | 276 | 3613   | 0.14  | ng  | 97     |
| 36) Benzo(b)fluoranthene       | 21.67 | 252 | 5457   | 0.05  | ng  | # 1    |
| 37) Benzo(k)fluoranthene       | 21.70 | 252 | 4941   | Below | Cal | # 1    |
| 38) Benzo(a)pyrene             | 22.15 | 252 | 4850   | 0.04  | ng  | # 1    |
| 40) Benzo(g,h,i)perylene       | 24.49 | 276 | 3910   | 0.03  | ng  | # 22   |

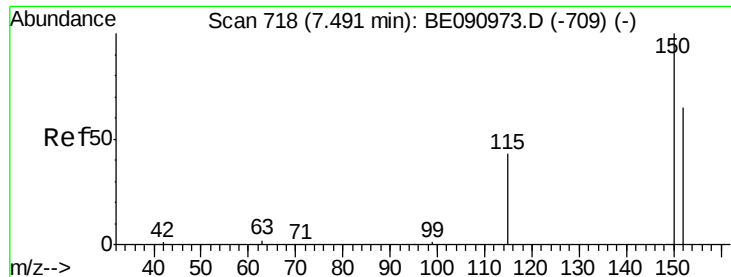
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 07 17:11:43 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampled :

TW-4

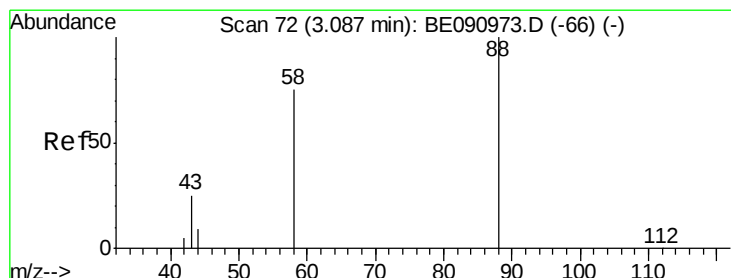
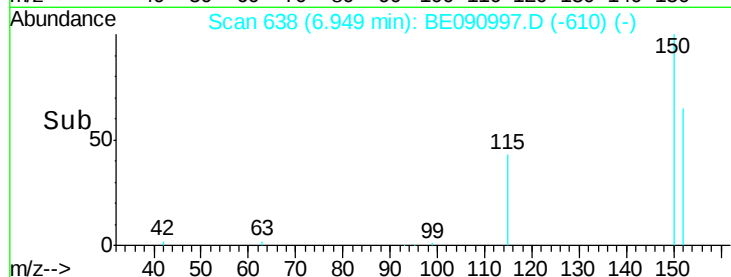
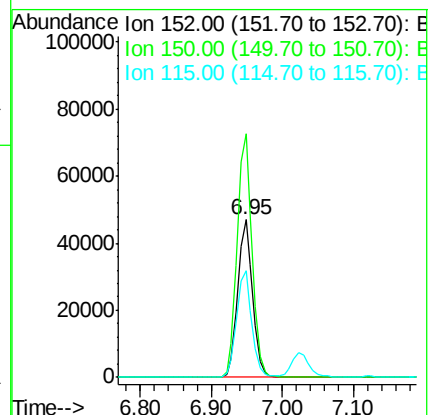
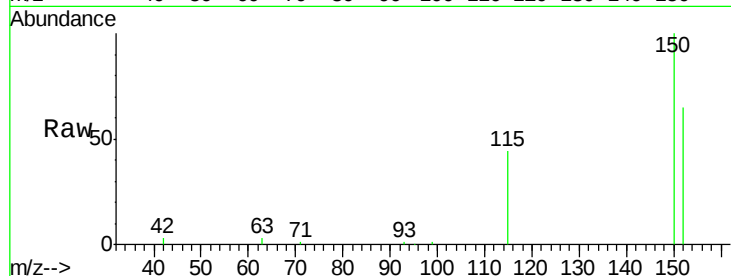
Tot Ion:152 Resp: 68116

Ion Ratio Lower Upper

152 100

150 154.8 122.6 183.8

115 67.5 52.8 79.2



#2

1,4-Dioxane

Concen: 0.60 ng

RT: 3.16 min Scan# 82

Delta R.T. -0.05 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

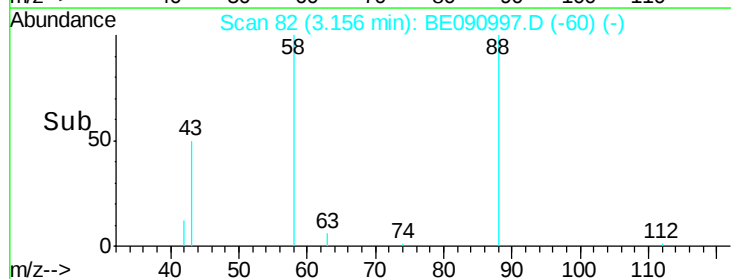
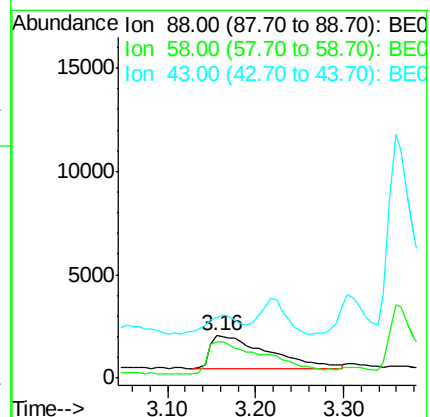
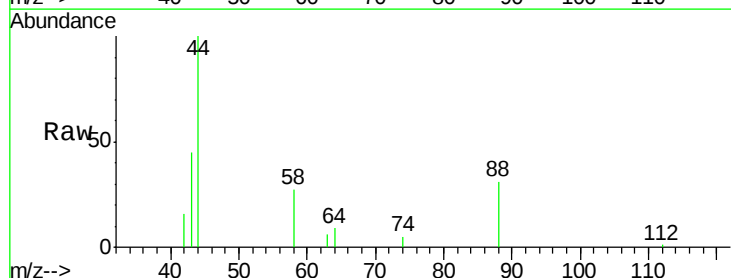
Tgt Ion: 88 Resp: 7131

Ion Ratio Lower Upper

88 100

58 102.7 65.8 98.6#

43 32.6 25.3 37.9



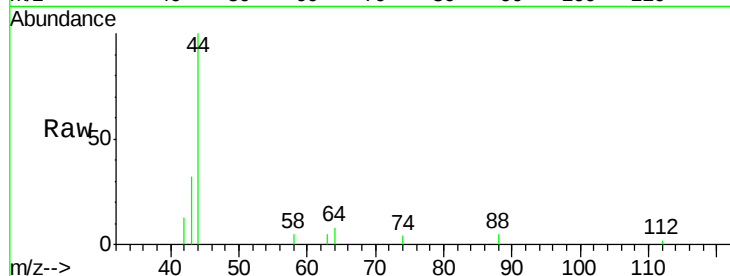


#3

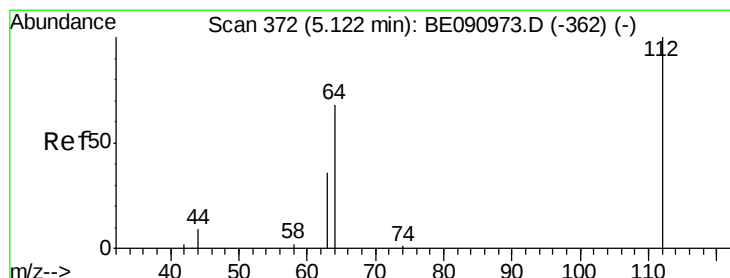
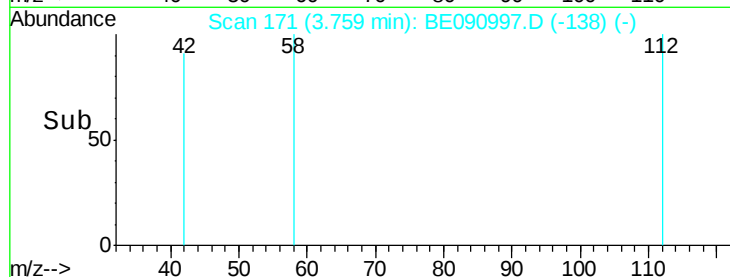
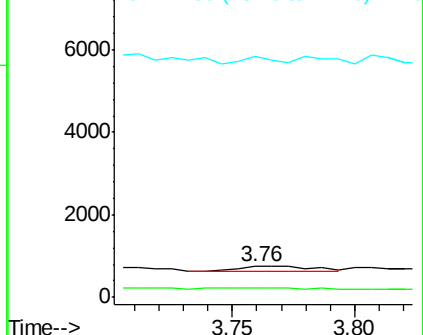
n-Nitrosodimethylamine  
Concen: Below Cal  
RT: 3.76 min Scan# 171  
Delta R.T. 0.03 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

Instrument :  
BNA\_E  
ClientSampleId :  
TW-4

Tot Ion: 42 Resp: 256  
Ion Ratio Lower Upper  
42 100  
74 34.0 87.9 131.9#  
44 57.0 6.6 9.8#



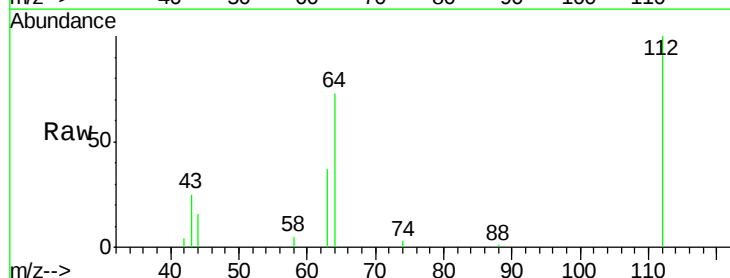
Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



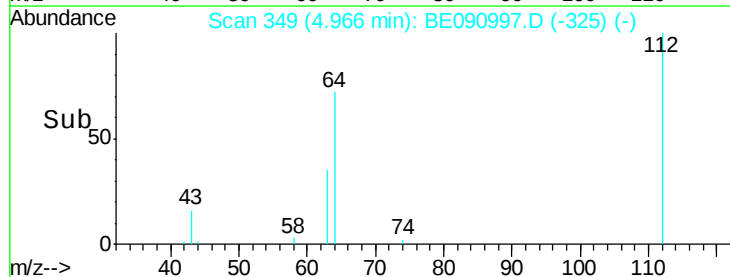
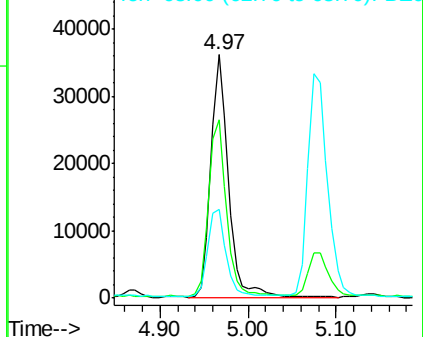
#4

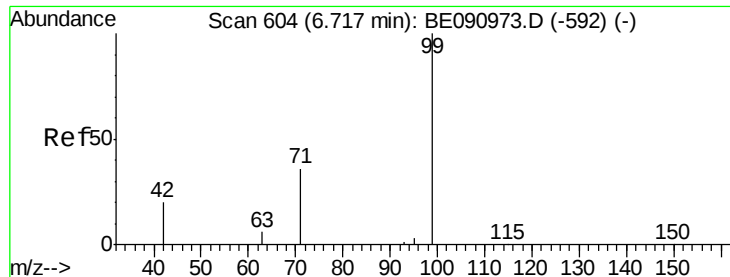
2-Fluorophenol  
Concen: 3.67 ng  
RT: 4.97 min Scan# 349  
Delta R.T. -0.03 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

Tgt Ion: 112 Resp: 50155  
Ion Ratio Lower Upper  
112 100  
64 73.5 30.9 46.3#  
63 37.1 16.7 25.1#



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: 2.82 ng

RT: 6.60 min Scan# 586

Delta R.T. -0.03 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

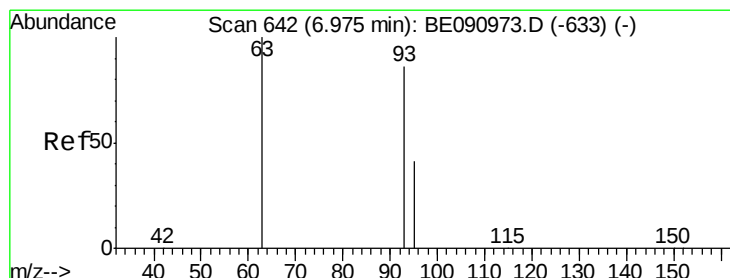
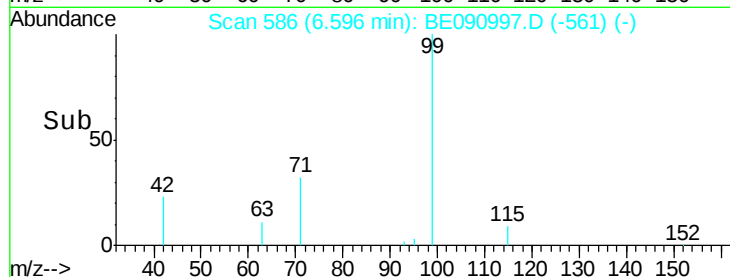
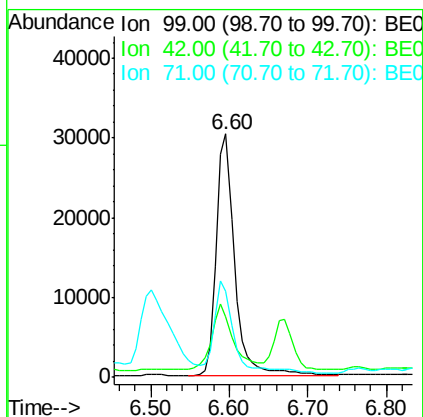
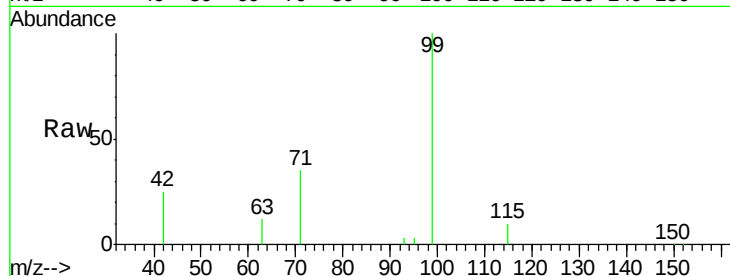
BNA\_E

ClientSampled :

TW-4

Tot Ion: 99 Resp: 49251

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 33.1  | 16.2  | 24.2# |
| 71  | 40.7  | 29.0  | 43.4  |



#6

bis(2-Chloroethyl)ether

Concen: 0.20 ng

RT: 6.62 min Scan# 589

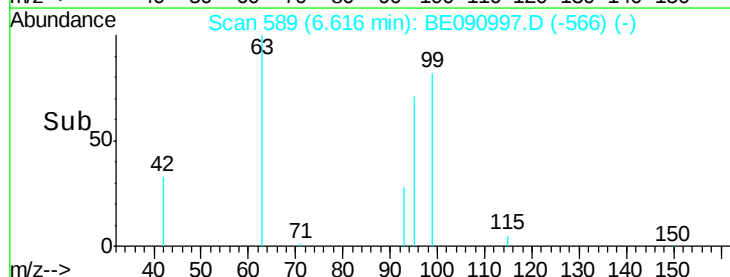
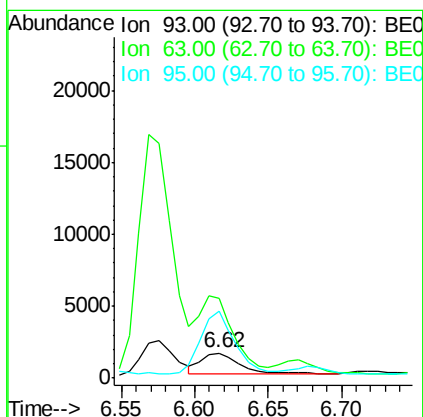
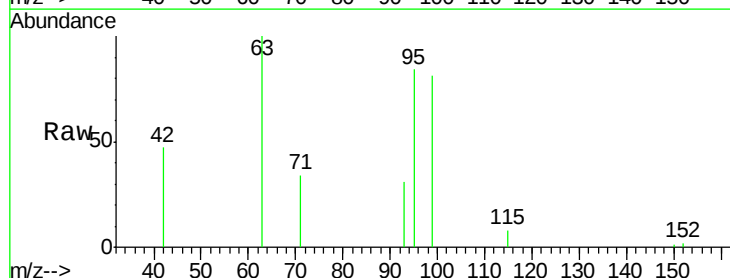
Delta R.T. -0.04 min

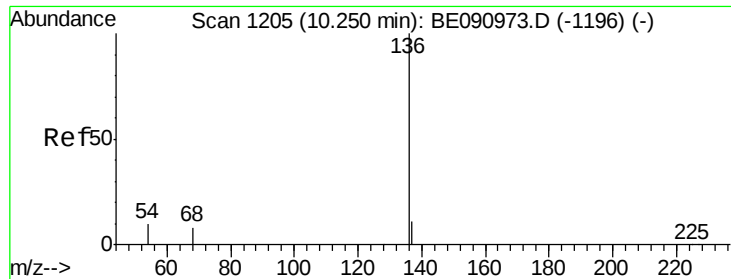
Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Tgt Ion: 93 Resp: 2848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 264.4 | 49.5  | 74.3# |
| 95  | 244.9 | 22.2  | 33.4# |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.63 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampled :

TW-4

Tot Ion:136 Resp: 339052

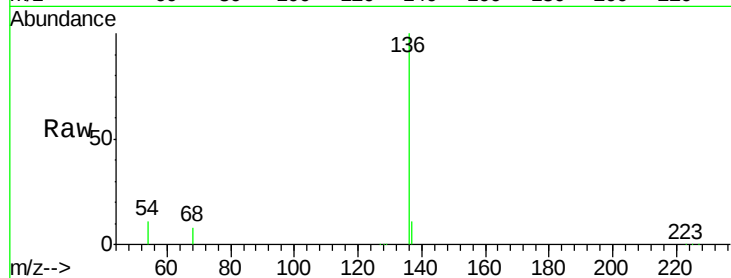
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.9 8.2 12.4

68 8.1 6.2 9.4

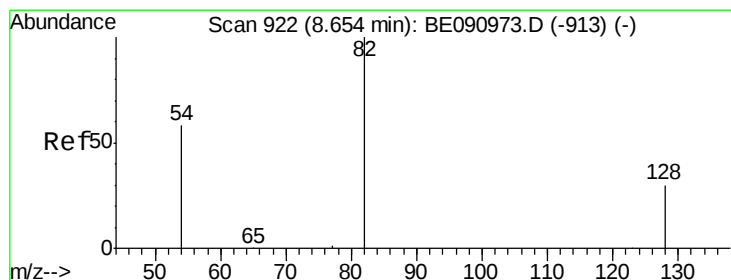
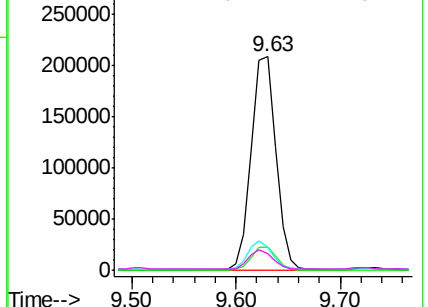
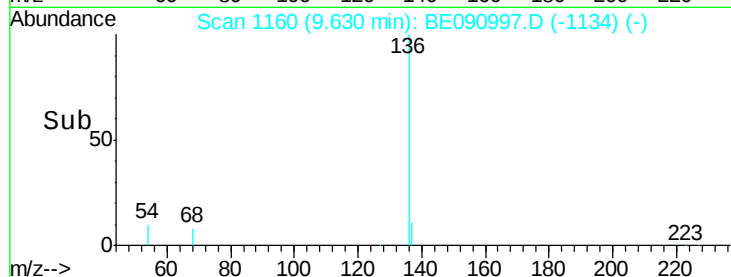


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.33 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.02 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

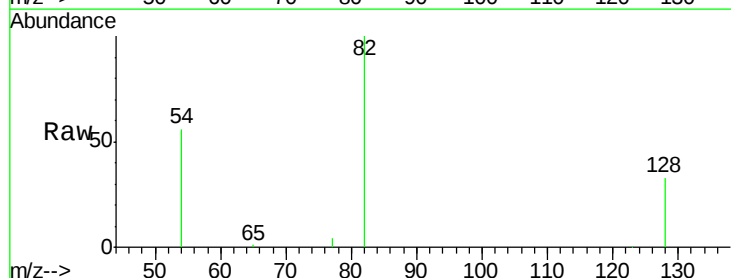
Tgt Ion: 82 Resp: 96207

Ion Ratio Lower Upper

82 100

128 33.4 25.4 38.0

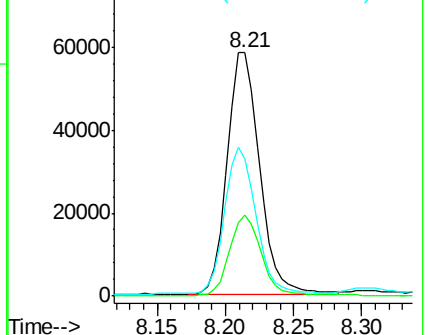
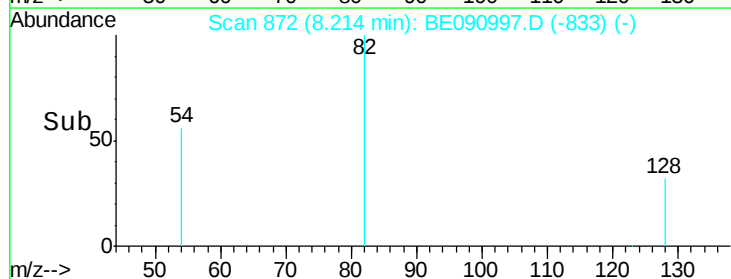
54 56.5 48.4 72.6

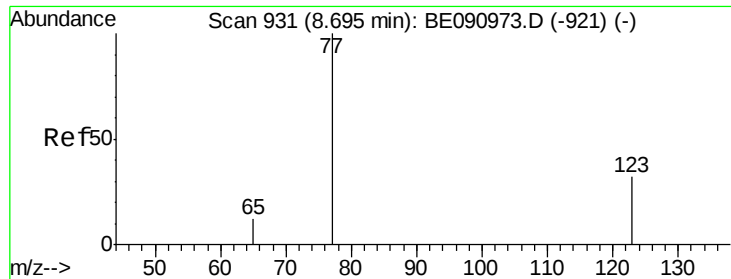


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.34 ng

RT: 8.27 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

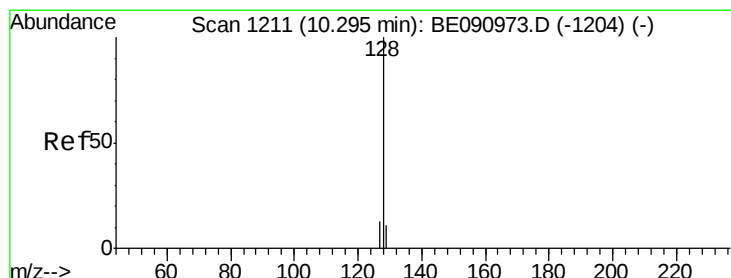
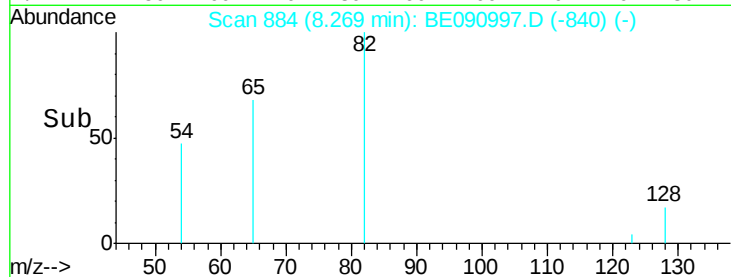
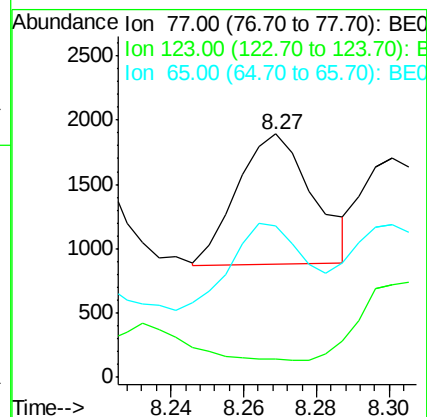
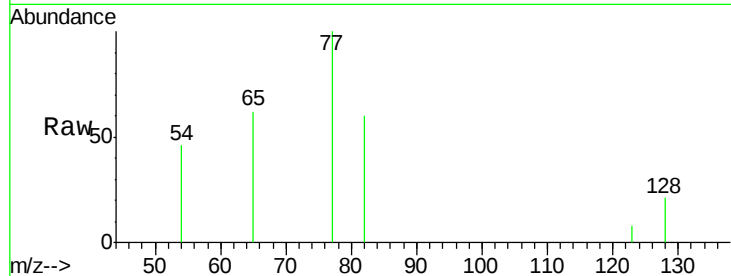
Tot Ion: 77 Resp: 1462

Ion Ratio Lower Upper

77 100

123 0.0 26.9 40.3#

65 66.1 9.4 14.2#



#10

Naphthalene

Concen: 3.06 ng

RT: 9.67 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

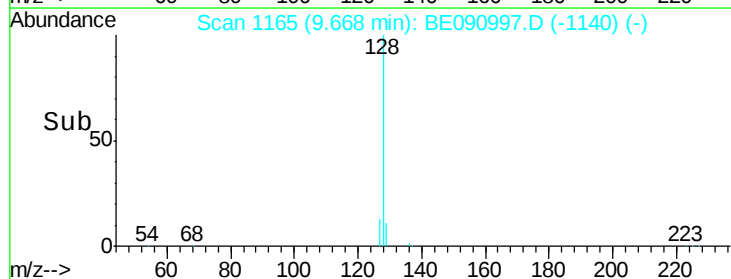
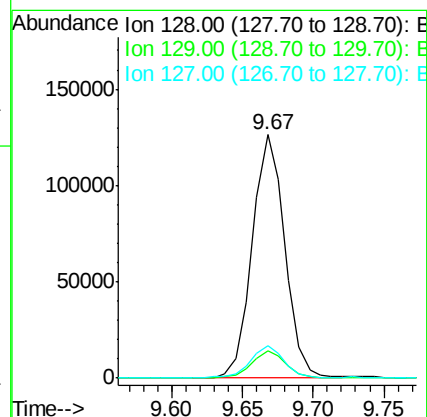
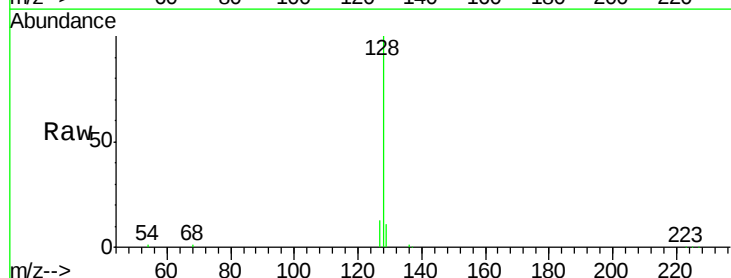
Tgt Ion: 128 Resp: 201383

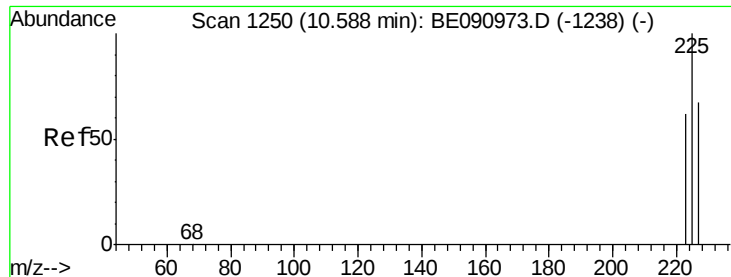
Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 13.4 10.7 16.1

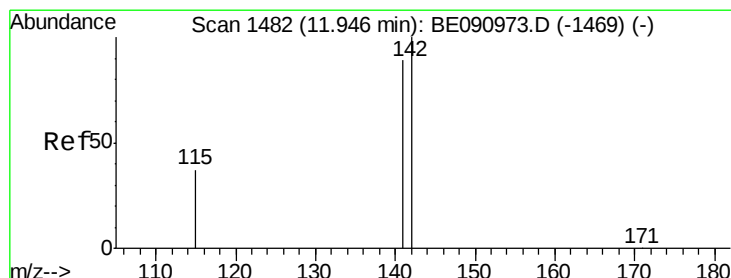
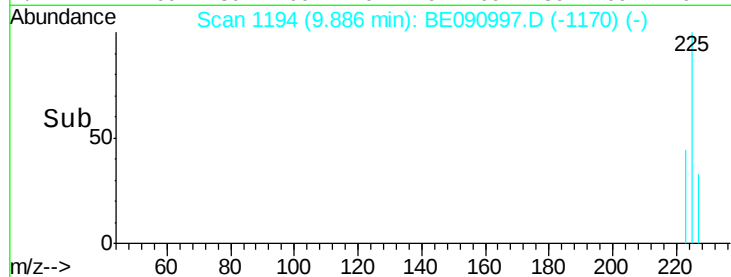
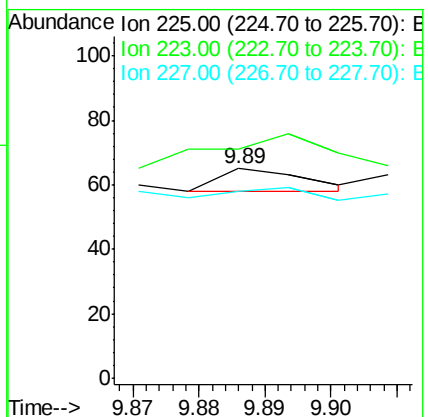
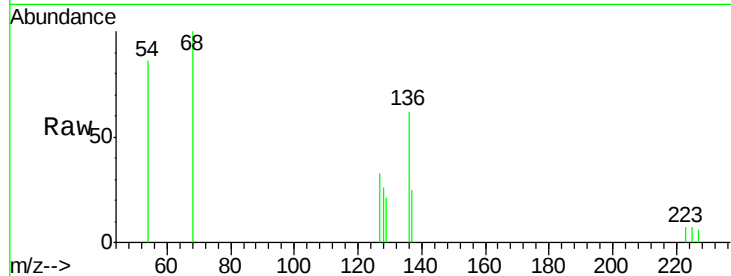




#11  
Hexachlorobutadiene  
Concen: Below Cal  
RT: 9.89 min Scan# 1194  
Delta R.T. -0.02 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

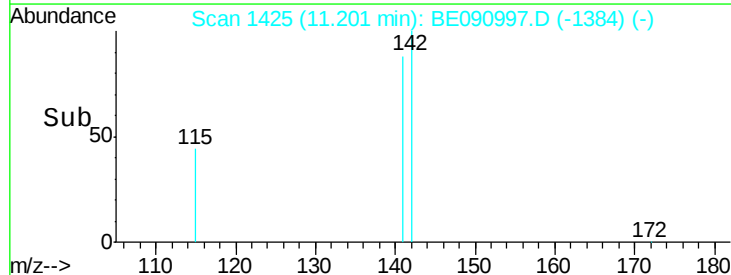
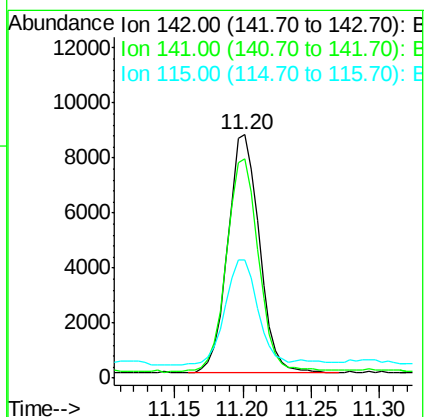
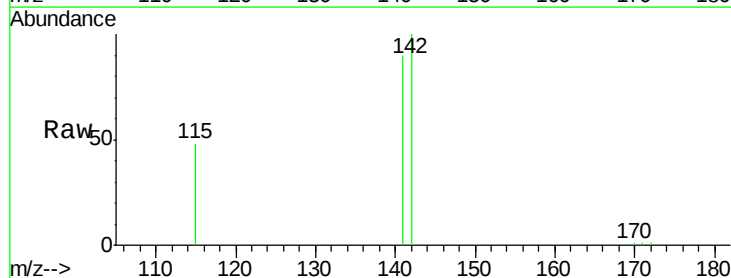
Instrument :  
BNA\_E  
ClientSampleId :  
TW-4

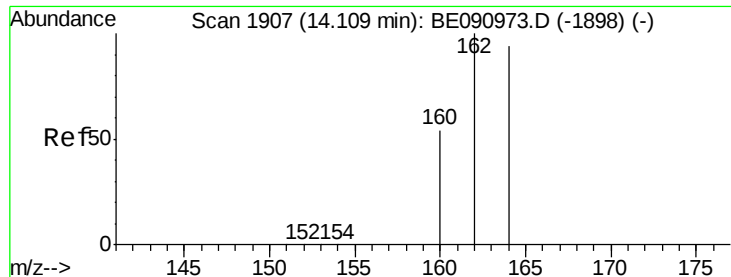
Tot Ion:225 Resp: 6  
Ion Ratio Lower Upper  
225 100  
223 250.0 49.0 73.6#  
227 0.0 50.3 75.5#



#12  
2-Methylnaphthalene  
Concen: 0.32 ng  
RT: 11.20 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

Tgt Ion:142 Resp: 13857  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.4 107.0  
115 48.4 30.3 45.5#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.45 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

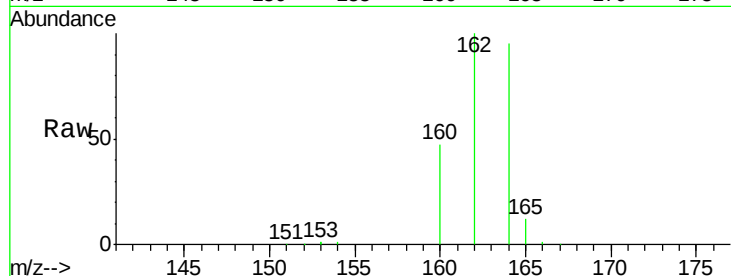
Tot Ion:164 Resp: 189530

Ion Ratio Lower Upper

164 100

162 105.4 85.3 127.9

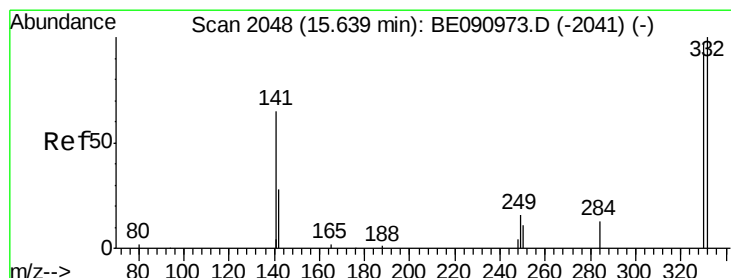
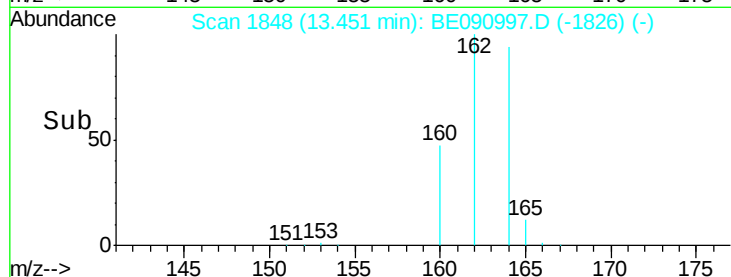
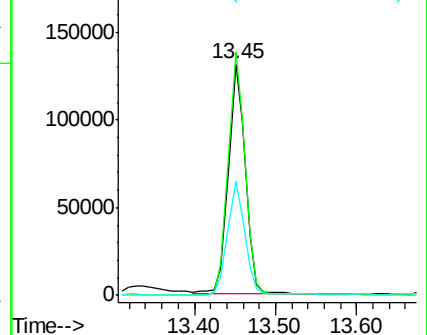
160 49.5 46.2 69.2



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: 9.45 ng

RT: 14.99 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

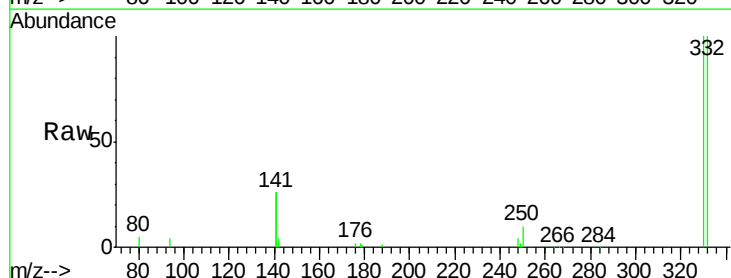
Tgt Ion:330 Resp: 62236

Ion Ratio Lower Upper

330 100

332 96.1 79.1 118.7

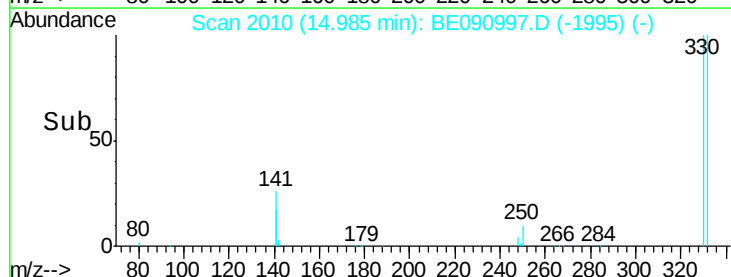
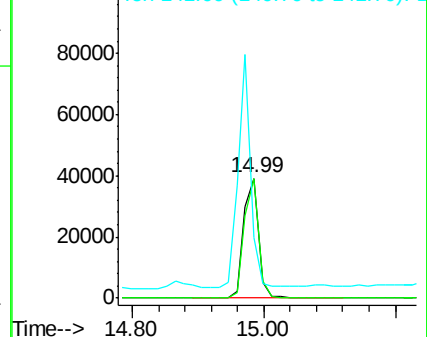
141 168.8 125.4 188.0

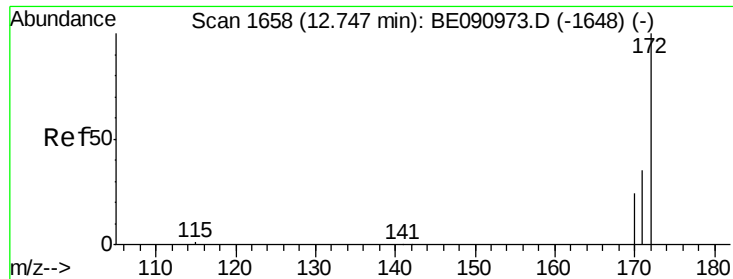


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

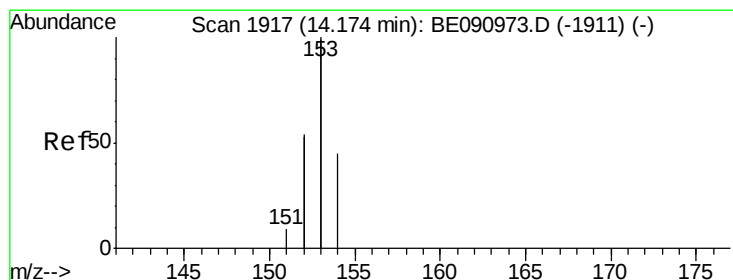
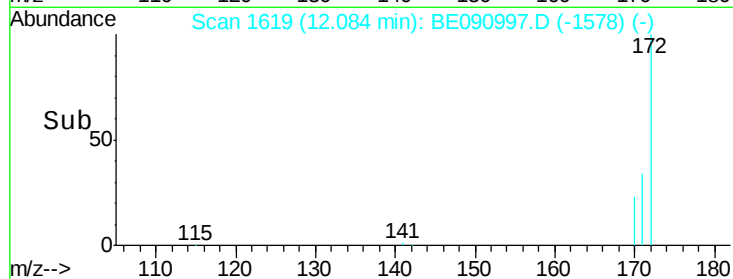
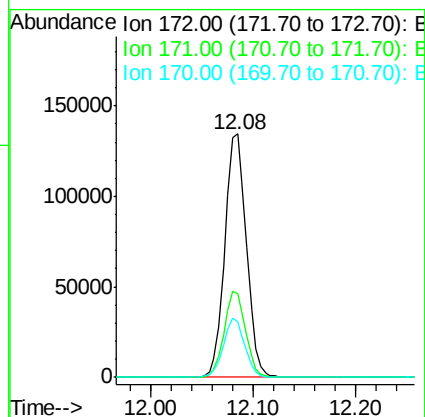
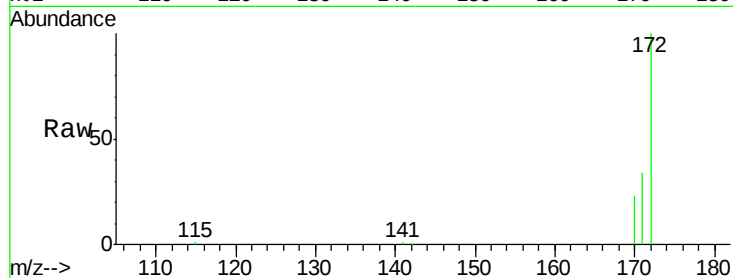




#15  
2-Fluorobiphenyl  
Concen: 3.80 ng  
RT: 12.08 min Scan# 1619  
Delta R.T. -0.01 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

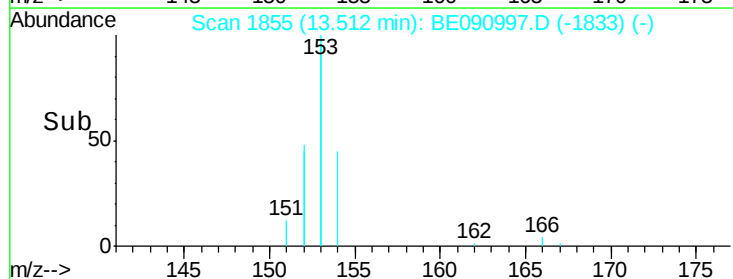
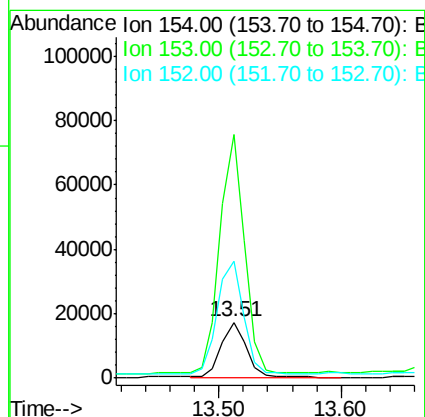
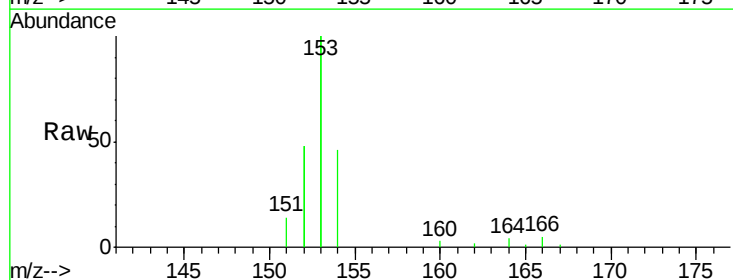
Instrument :  
BNA\_E  
ClientSampleId :  
TW-4

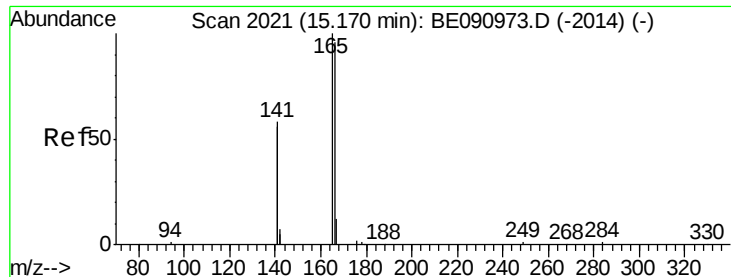
Tot Ion:172 Resp: 195084  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.8 43.2  
170 22.7 19.3 28.9



#17  
Acenaphthene  
Concen: 0.48 ng  
RT: 13.51 min Scan# 1855  
Delta R.T. -0.01 min  
Lab File: BE090997.D  
Acq: 8 Oct 2015 11:21

Tgt Ion:154 Resp: 24188  
Ion Ratio Lower Upper  
154 100  
153 431.1 352.0 528.0  
152 215.7 200.0 300.0





#18

Fluorene

Concen: 0.28 ng

RT: 14.50 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

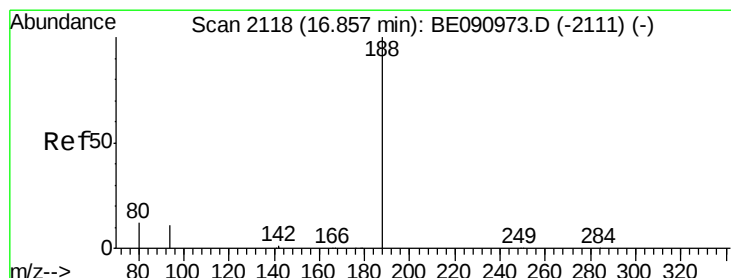
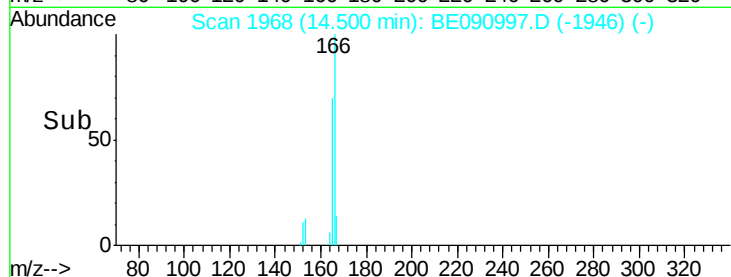
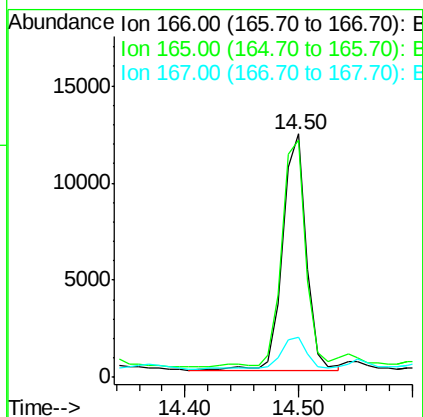
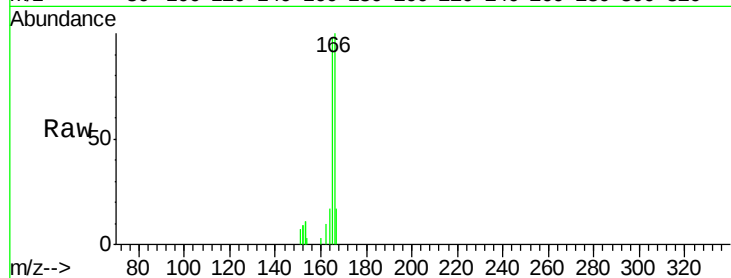
Tot Ion:166 Resp: 17542

Ion Ratio Lower Upper

166 100

165 99.3 80.8 121.2

167 13.0 10.9 16.3



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.17 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

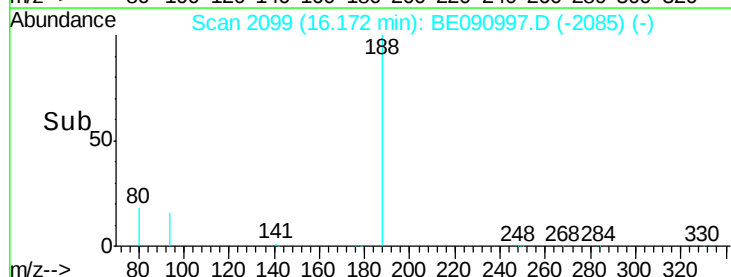
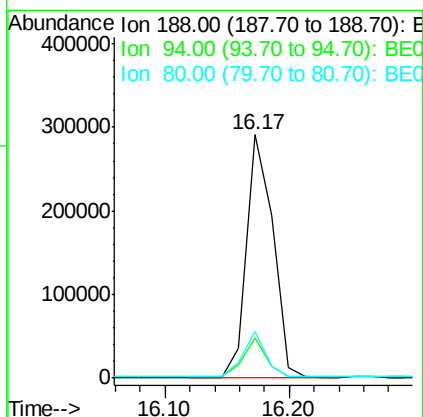
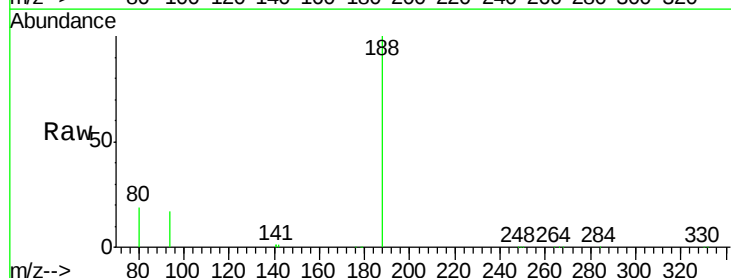
Tgt Ion:188 Resp: 428225

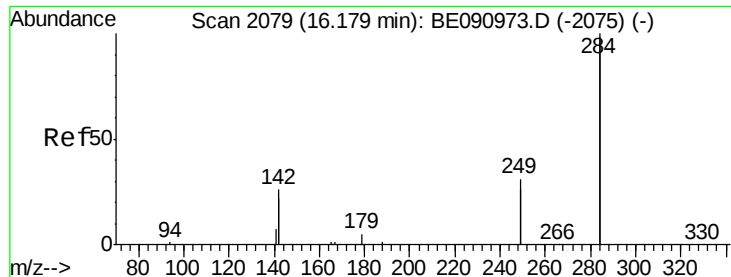
Ion Ratio Lower Upper

188 100

94 16.6 8.7 13.1#

80 18.9 9.4 14.0#





#21

Hexachlorobenzene

Concen: Below Cal

RT: 15.47 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampled :

TW-4

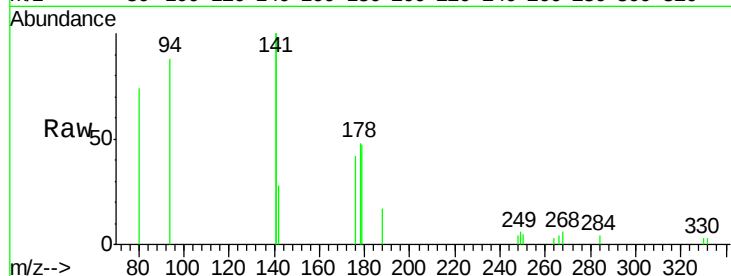
Tot Ion:284 Resp: 53

Ion Ratio Lower Upper

284 100

142 0.0 32.2 48.2#

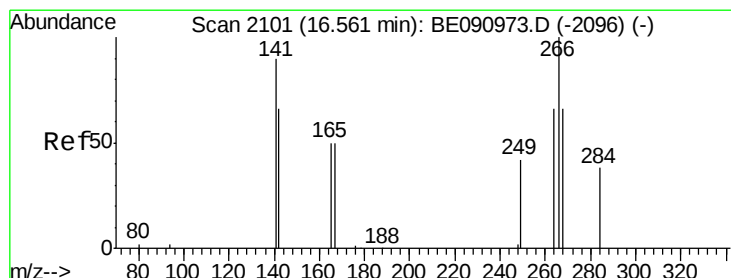
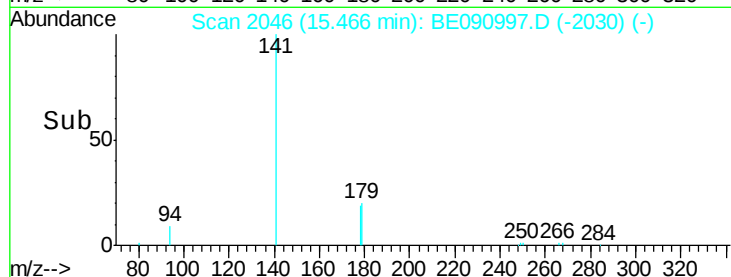
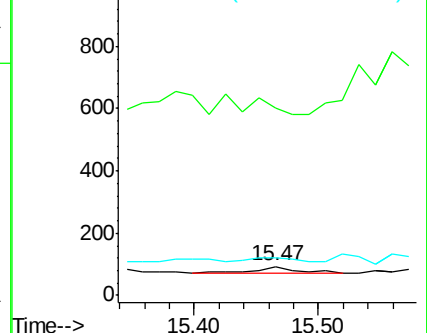
249 64.2 25.4 38.2#



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: 0.19 ng

RT: 15.93 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

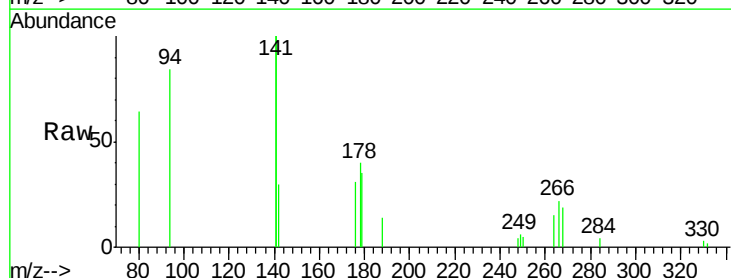
Tgt Ion:266 Resp: 857

Ion Ratio Lower Upper

266 100

268 88.6 58.2 87.2#

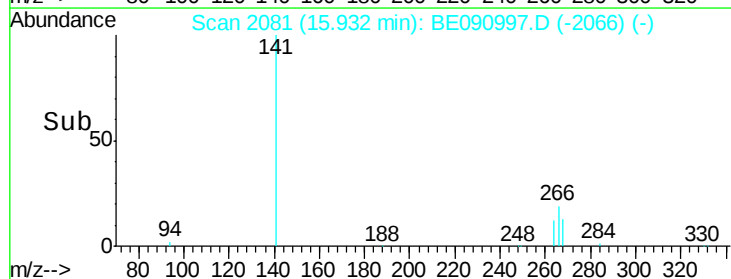
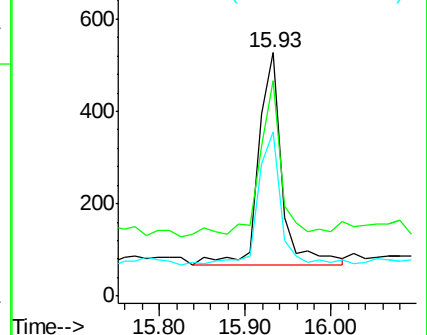
264 67.4 56.2 84.4

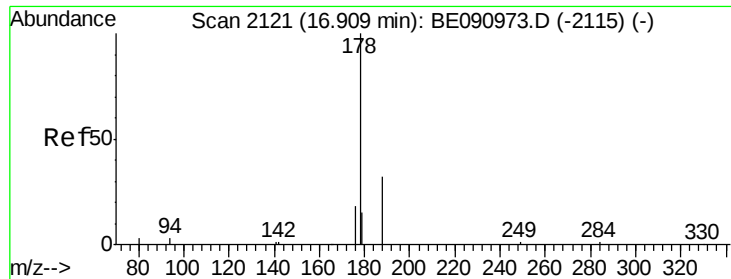


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.74 ng

RT: 16.21 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

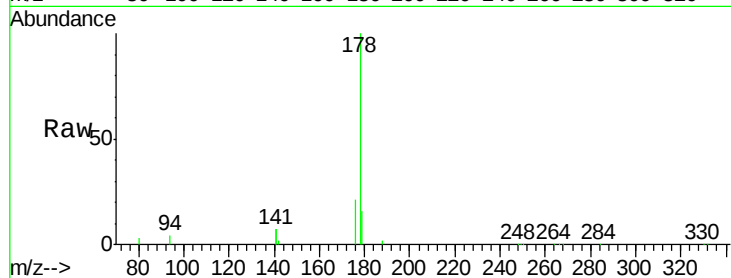
Tot Ion:178 Resp: 77974

Ion Ratio Lower Upper

178 100

176 21.4 15.3 22.9

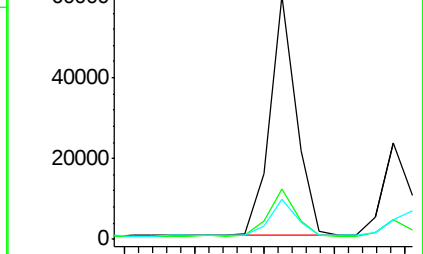
179 16.4 12.6 18.8



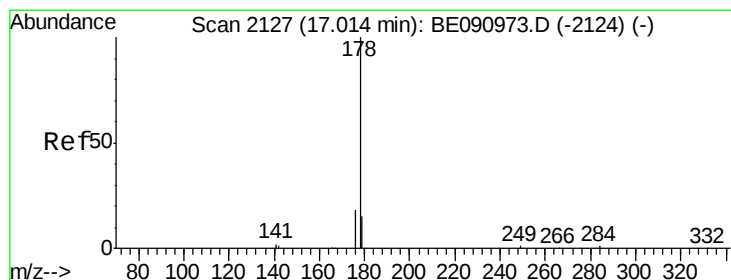
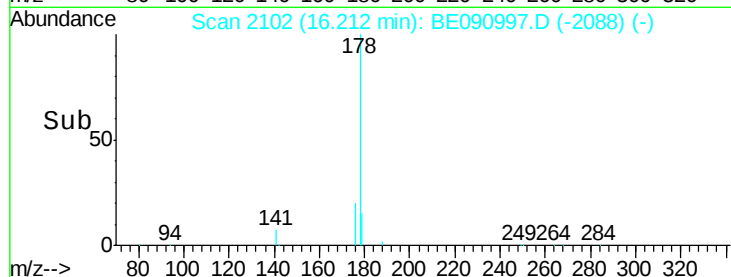
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.10 16.15 16.20 16.25



#24

Anthracene

Concen: 0.85 ng

RT: 16.21 min Scan# 2102

Delta R.T. -0.09 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

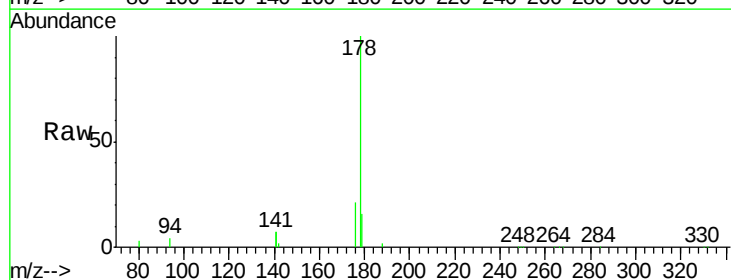
Tgt Ion:178 Resp: 77974

Ion Ratio Lower Upper

178 100

176 21.1 14.6 21.8

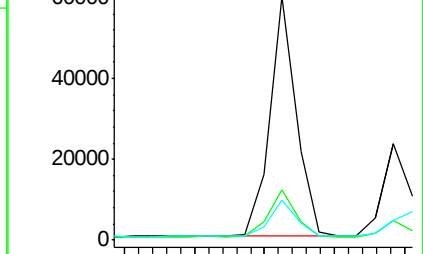
179 16.2 11.8 17.6



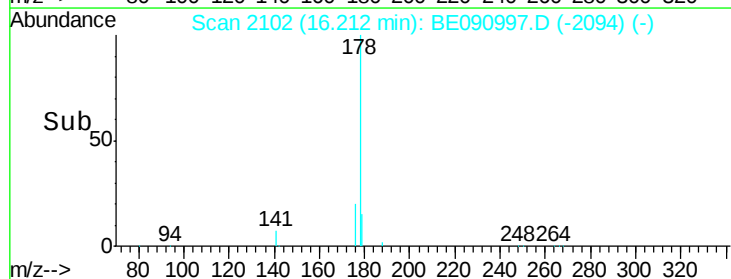
Abundance Ion 178.00 (177.70 to 178.70): E

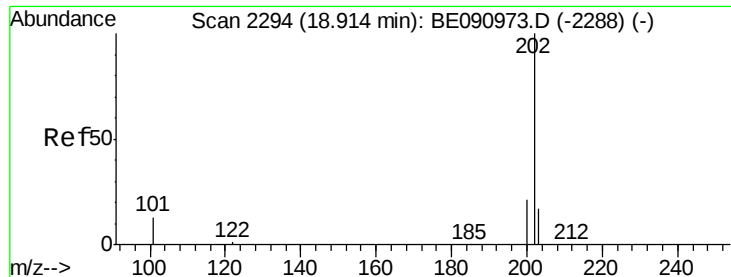
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.10 16.15 16.20 16.25





#25

Fluoranthene

Concen: 0.27 ng

RT: 18.20 min Scan# 2317

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

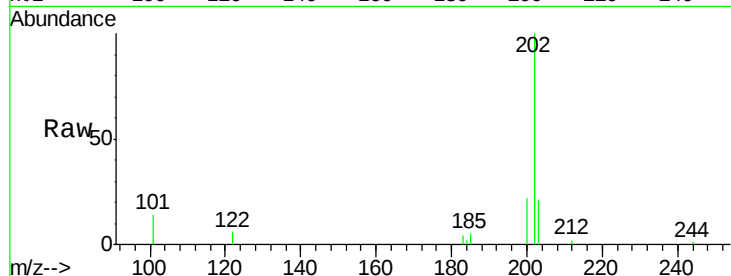
Tot Ion:202 Resp: 33900

Ion Ratio Lower Upper

202 100

101 15.8 11.0 16.6

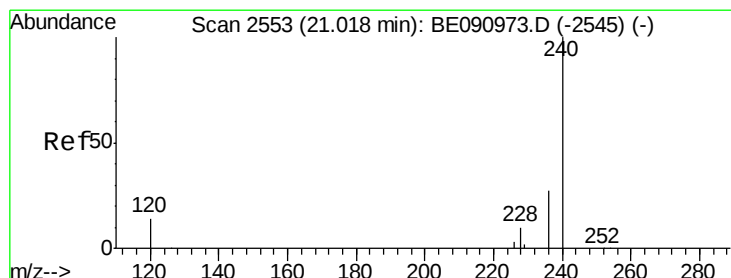
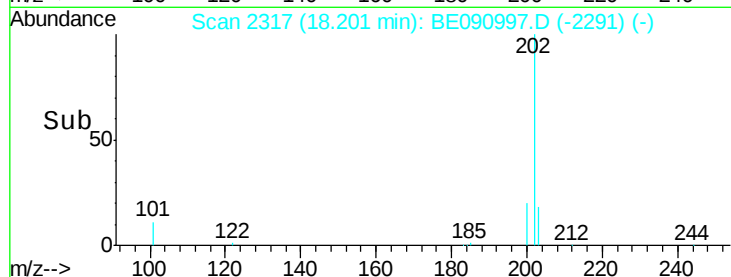
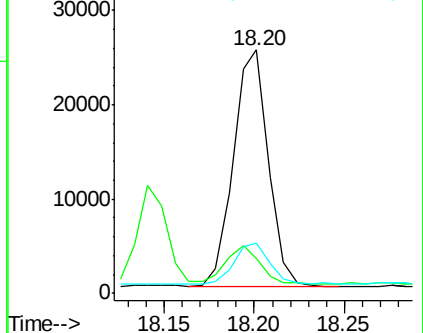
203 17.5 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 20.33 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

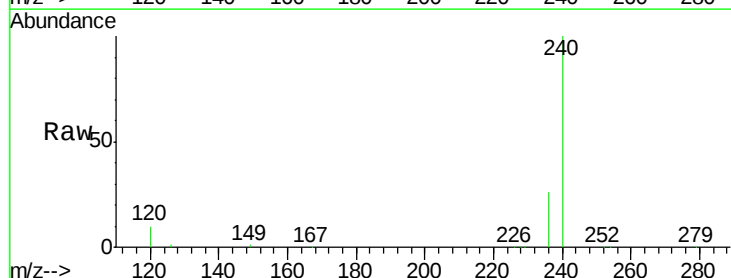
Tgt Ion:240 Resp: 545908

Ion Ratio Lower Upper

240 100

120 9.6 11.0 16.4#

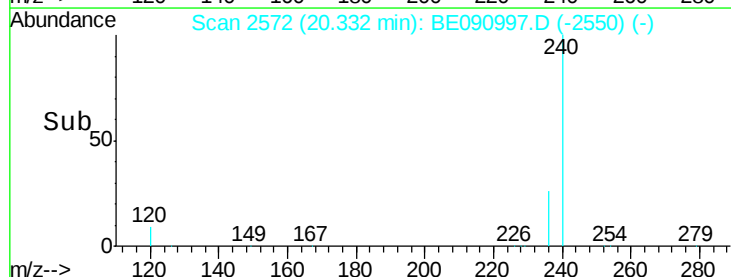
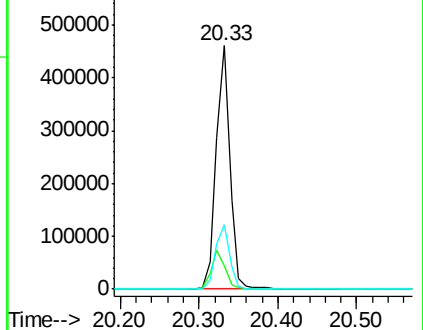
236 26.5 21.7 32.5

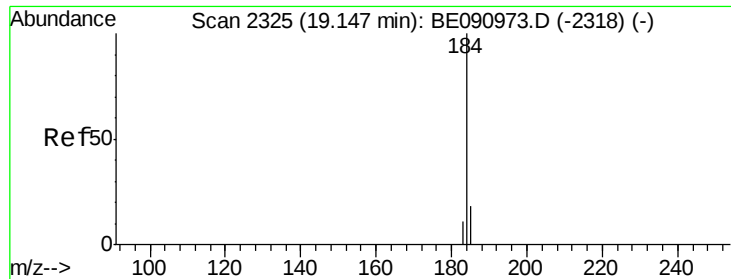


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: Below Cal

RT: 18.62 min Scan# 2372

Delta R.T. 0.02 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

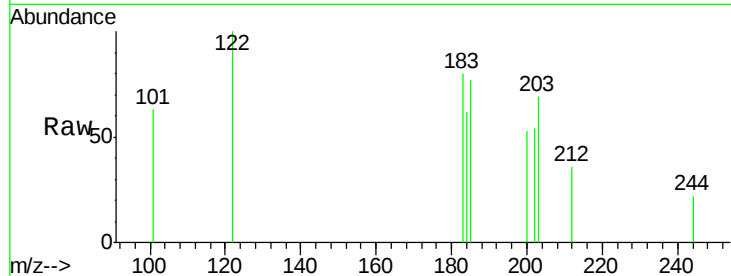
Tot Ion:184 Resp: 673

Ion Ratio Lower Upper

184 100

185 125.1 22.3 33.5#

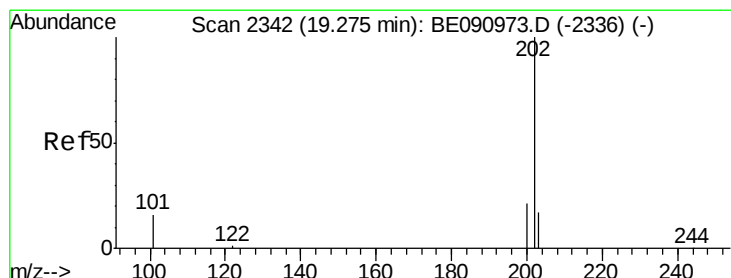
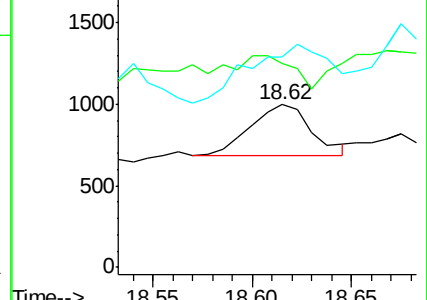
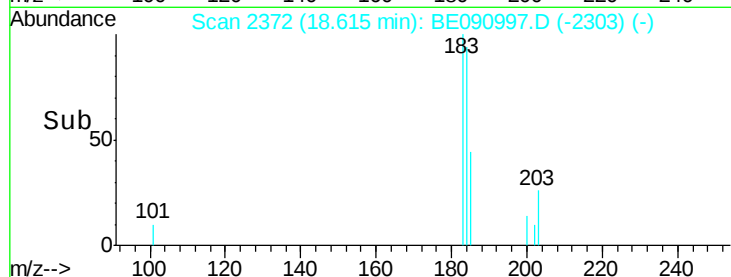
183 129.6 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.26 ng

RT: 18.58 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

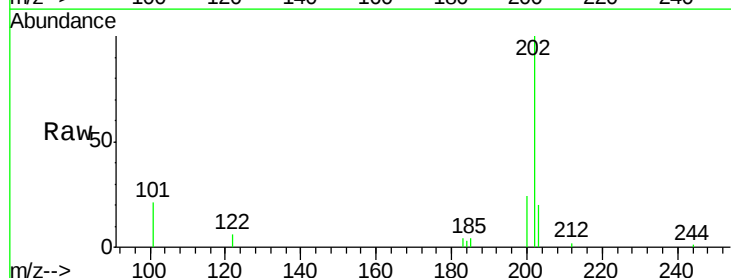
Tgt Ion:202 Resp: 34404

Ion Ratio Lower Upper

202 100

200 22.8 16.8 25.2

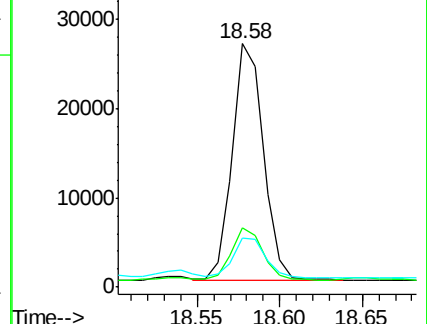
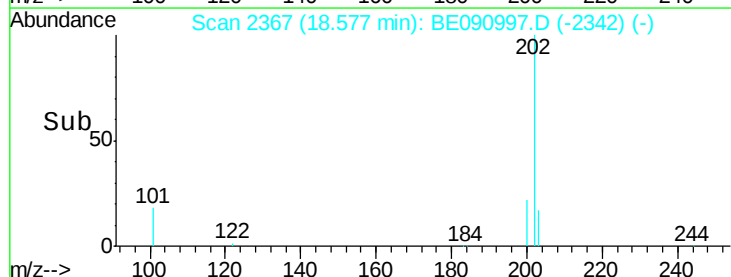
203 17.9 14.0 21.0

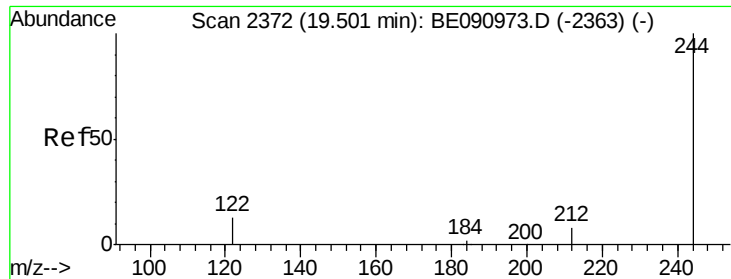


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.93 ng

RT: 18.73 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

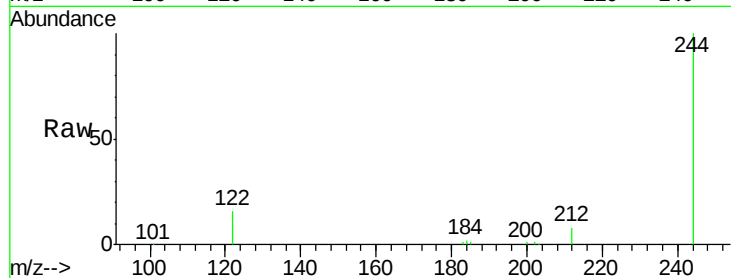
Tot Ion:244 Resp: 332245

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

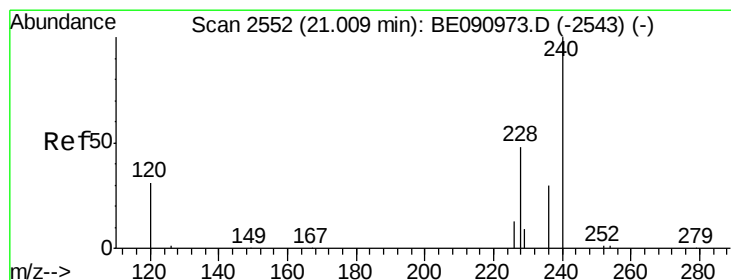
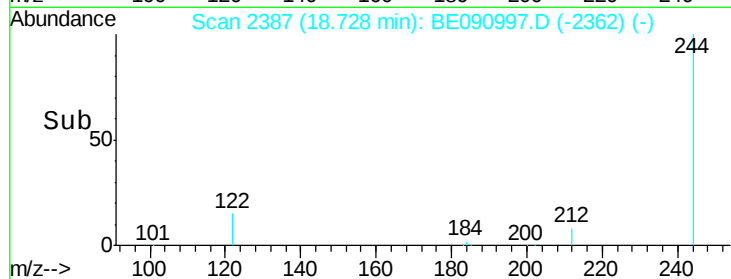
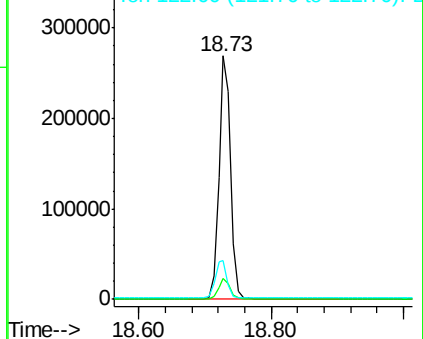
122 15.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.07 ng

RT: 20.30 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

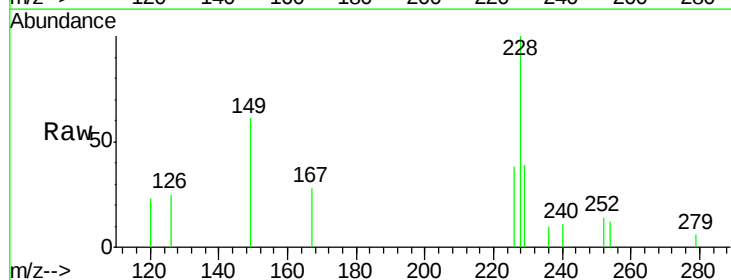
Tgt Ion:228 Resp: 8515

Ion Ratio Lower Upper

228 100

226 38.1 21.0 31.4#

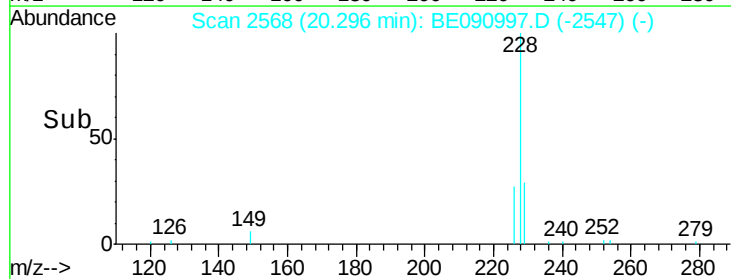
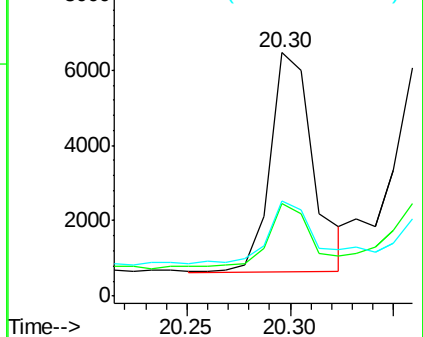
229 39.0 15.7 23.5#

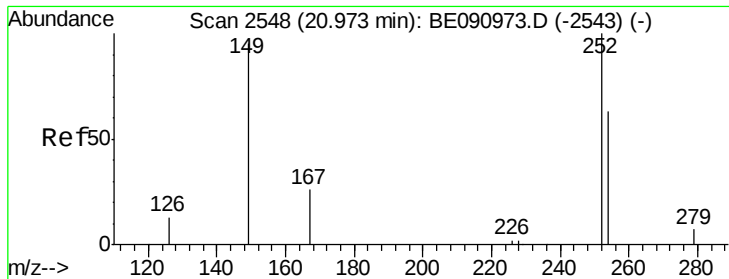


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

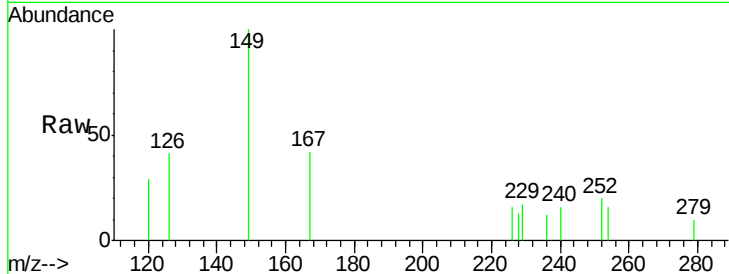




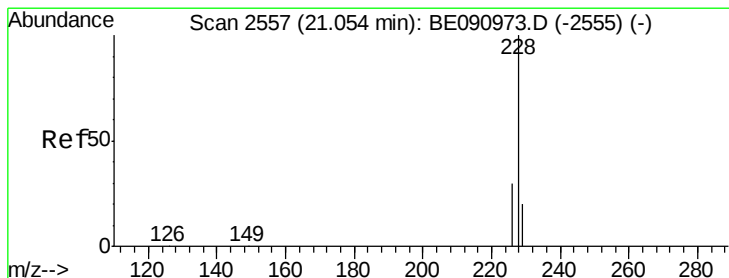
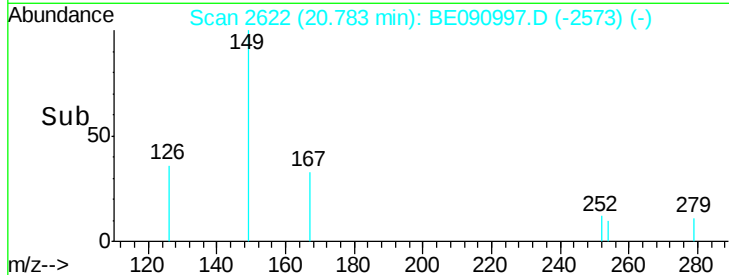
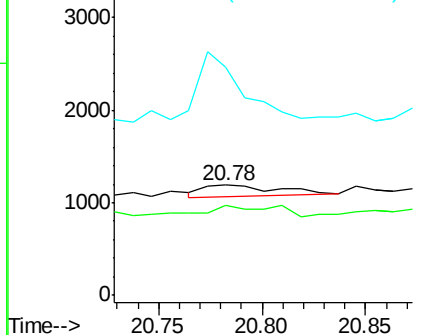
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.04 ng  
 RT: 20.78 min Scan# 2622  
 Delta R.T. -0.05 min  
 Lab File: BE090997.D  
 Acq: 8 Oct 2015 11:21

Instrument :  
 BNA\_E  
 ClientSampled :  
 TW-4

Tot Ion:252 Resp: 306  
 Ion Ratio Lower Upper  
 252 100  
 254 81.4 51.1 76.7#  
 126 206.6 12.6 18.8#

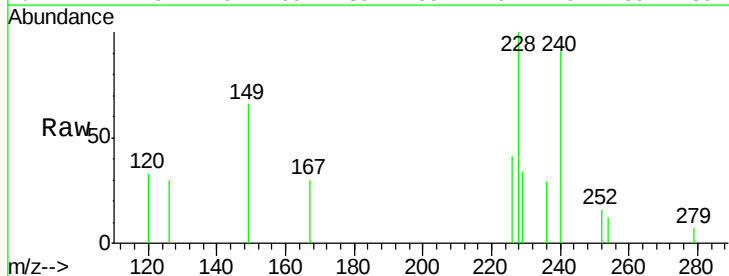


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

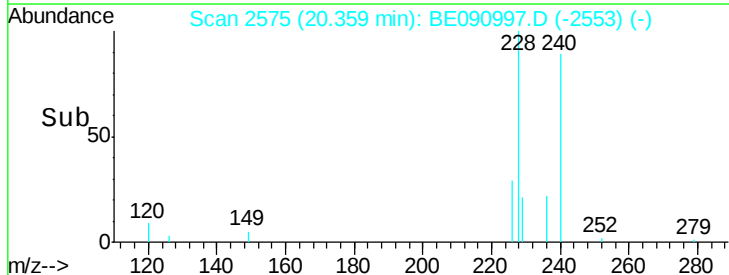
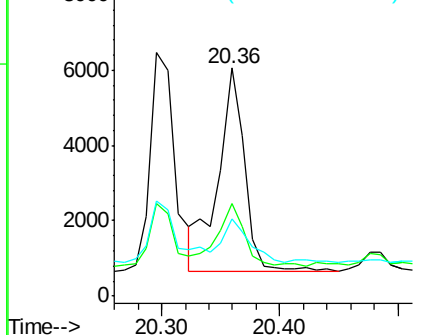


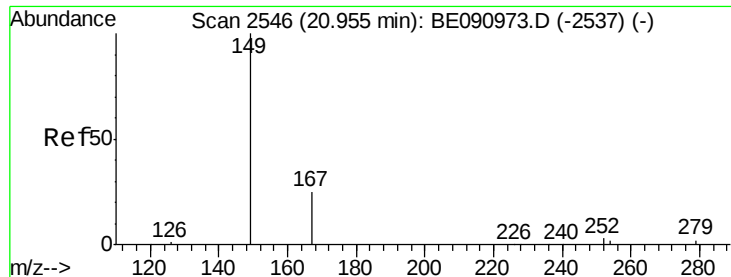
#32  
 Chrysene  
 Concen: Below Cal  
 RT: 20.36 min Scan# 2575  
 Delta R.T. -0.00 min  
 Lab File: BE090997.D  
 Acq: 8 Oct 2015 11:21

Tgt Ion:228 Resp: 8502  
 Ion Ratio Lower Upper  
 228 100  
 226 40.7 24.0 36.0#  
 229 34.0 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





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 20.02 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampled :

TW-4

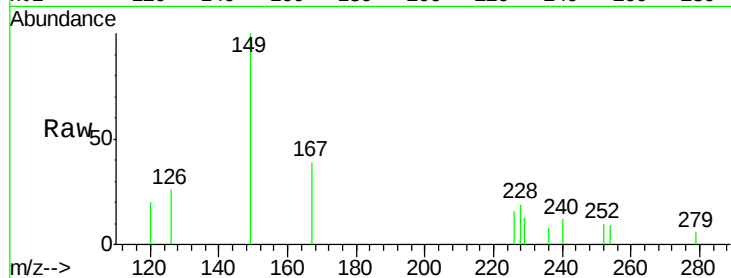
Tot Ion:149 Resp: 7293

Ion Ratio Lower Upper

149 100

167 29.4 19.5 29.3#

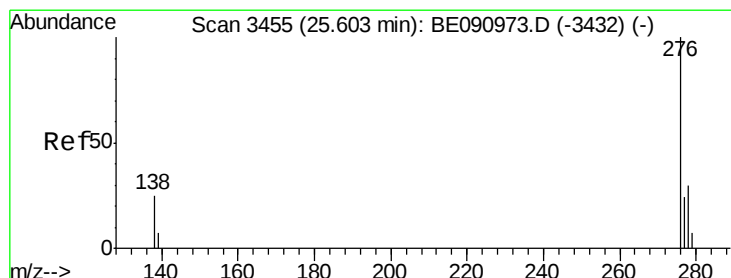
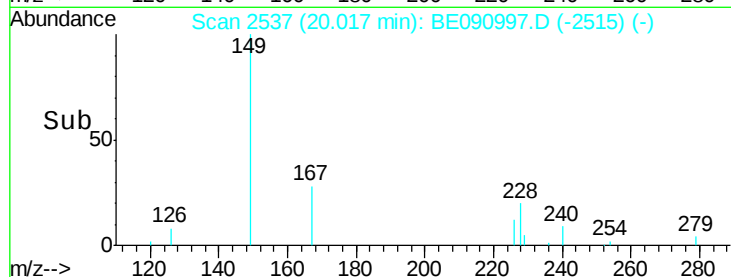
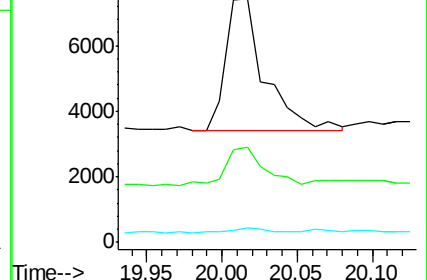
279 3.9 2.3 3.5#



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 23.91 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

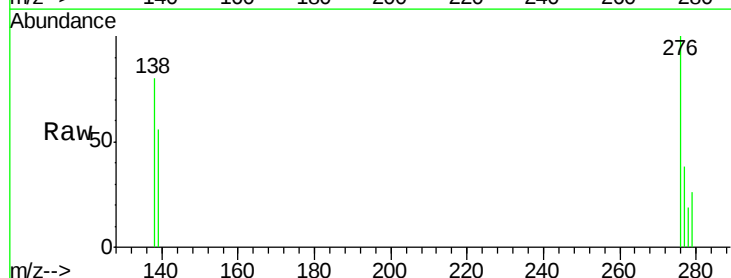
Tgt Ion:276 Resp: 3613

Ion Ratio Lower Upper

276 100

138 27.1 23.4 35.2

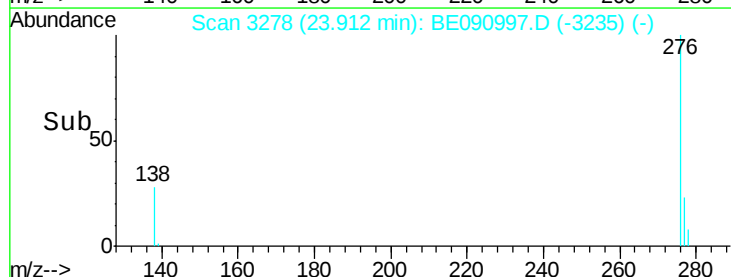
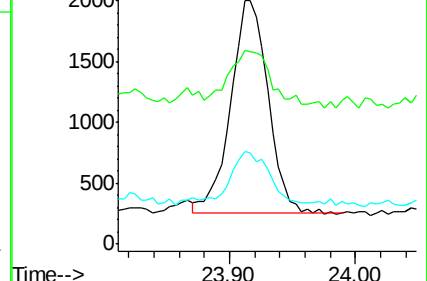
277 24.1 19.8 29.8

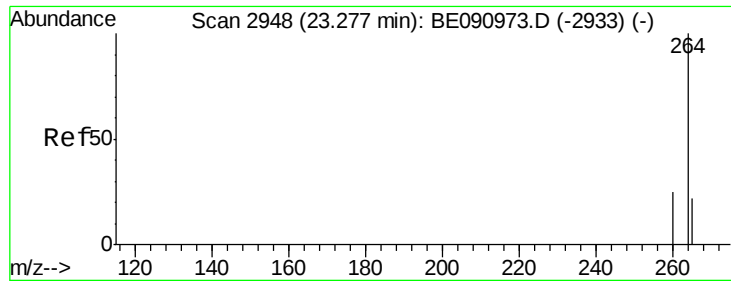


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#35

Pervlene-d12

Concen: 5.00 ng

RT: 22.25 min Scan# 2916

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

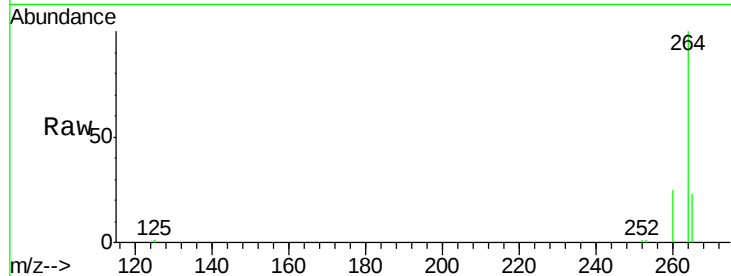
Tot Ion:264 Resp: 534441

Ion Ratio Lower Upper

264 100

260 24.9 20.0 30.0

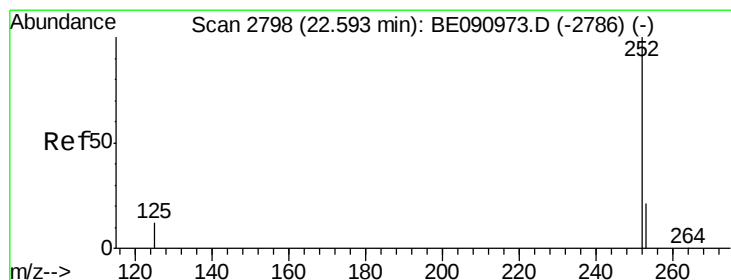
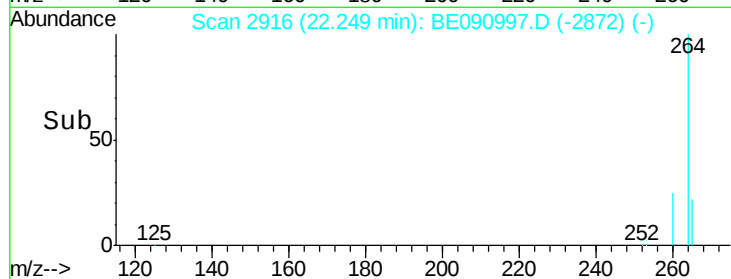
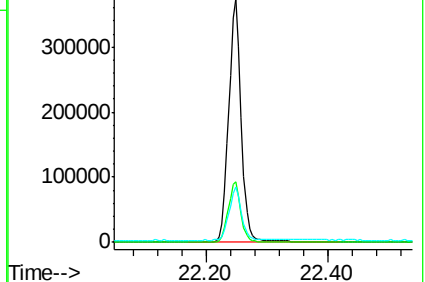
265 23.0 17.5 26.3



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



#36

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 21.67 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

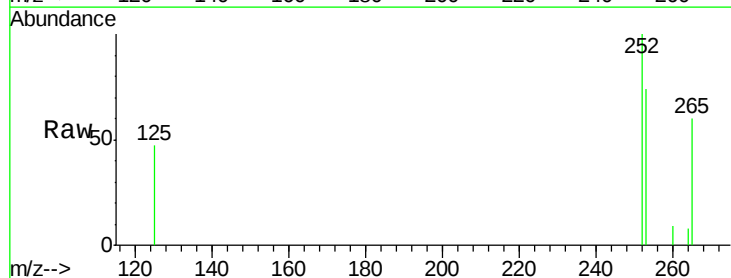
Tgt Ion:252 Resp: 5457

Ion Ratio Lower Upper

252 100

253 74.0 17.4 26.0#

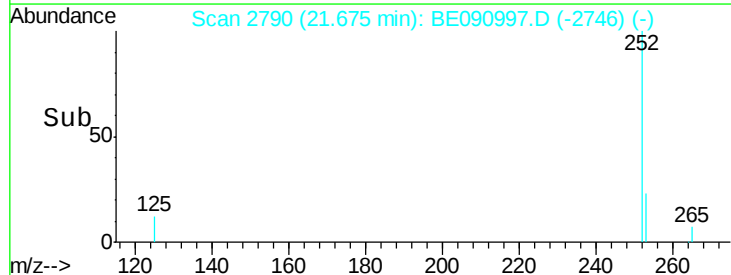
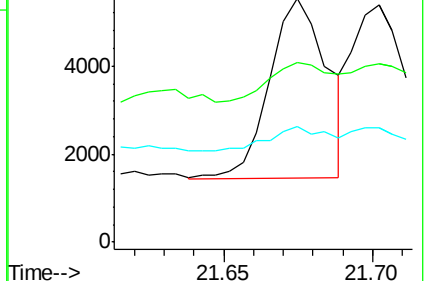
125 47.5 10.2 15.2#

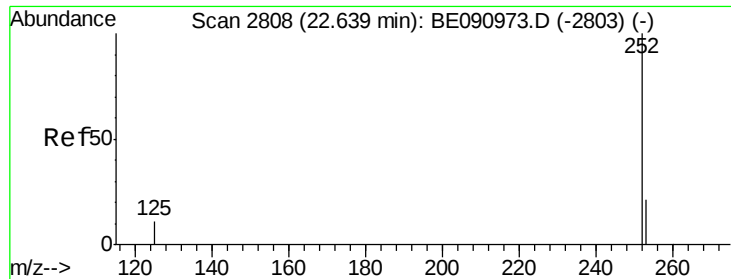


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(k)fluoranthene

Concen: Below Cal

RT: 21.70 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4

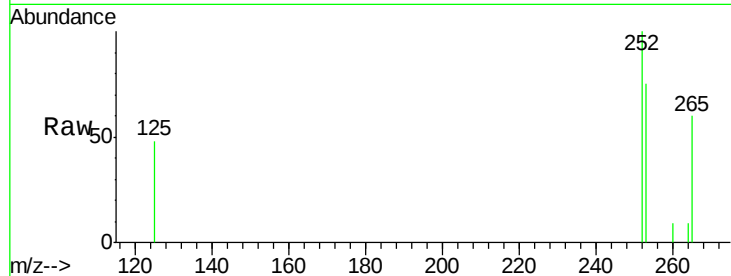
Tot Ion:252 Resp: 4941

Ion Ratio Lower Upper

252 100

253 75.3 17.6 26.4#

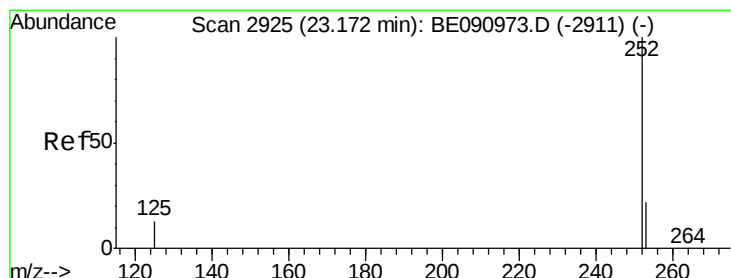
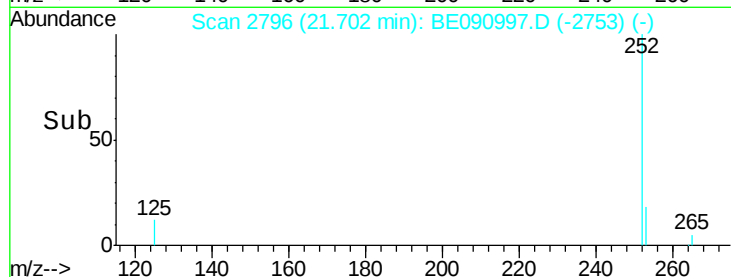
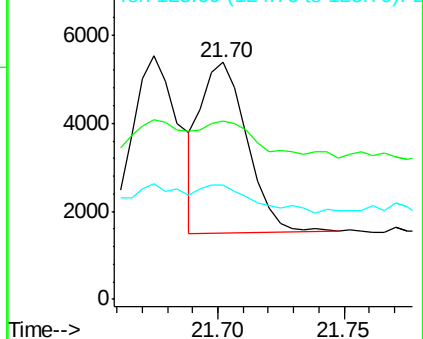
125 48.1 9.9 14.9#



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



#38

Benzo(a)pyrene

Concen: 0.04 ng

RT: 22.15 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BE090997.D

Acq: 8 Oct 2015 11:21

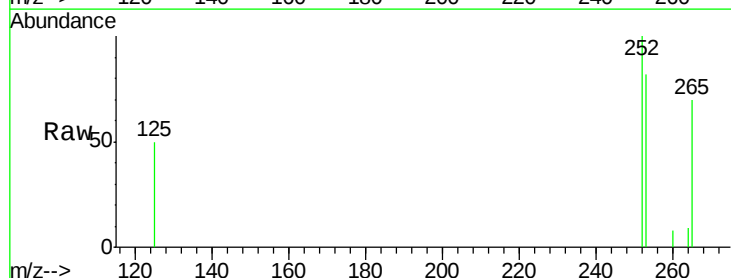
Tgt Ion:252 Resp: 4850

Ion Ratio Lower Upper

252 100

253 81.6 18.1 27.1#

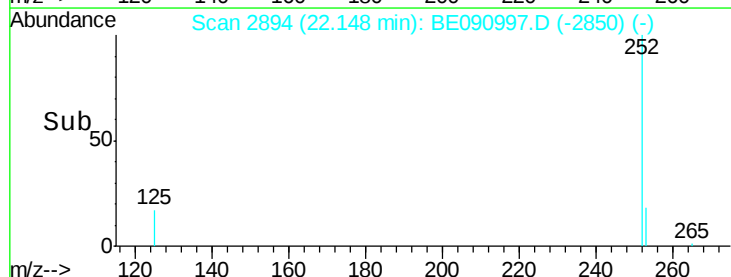
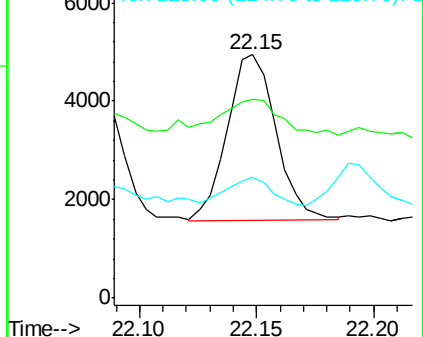
125 49.8 11.0 16.4#

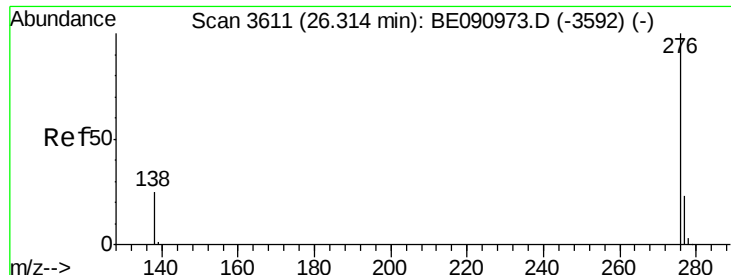


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#40

Benzo(a,h,i)perylene

Concen: 0.03 ng

RT: 24.49 min Scan# 3404

Delta R.T. -0.00 min

Lab File: BE090997.D

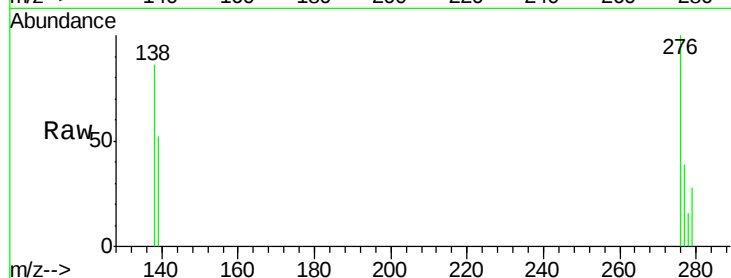
Acq: 8 Oct 2015 11:21

Instrument :

BNA\_E

ClientSampleId :

TW-4



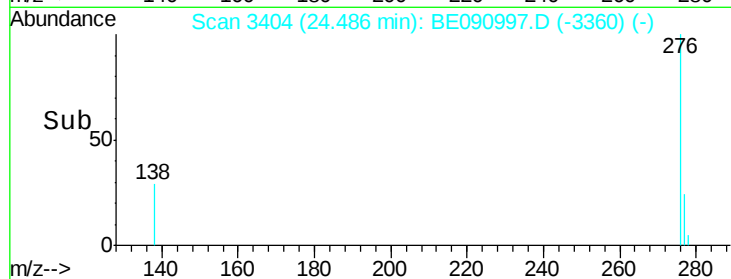
Tot Ion: 276 Resp: 3910

Ion Ratio Lower Upper

276 100

277 38.6 18.6 28.0#

138 86.3 20.4 30.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

