

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081415\  
 Data File : BE090515.D  
 Acq On : 14 Aug 2015 11:42  
 Operator : UM/IZ  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Aug 14 15:26:50 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 14 15:17:14 2015  
 Response via : Initial Calibration

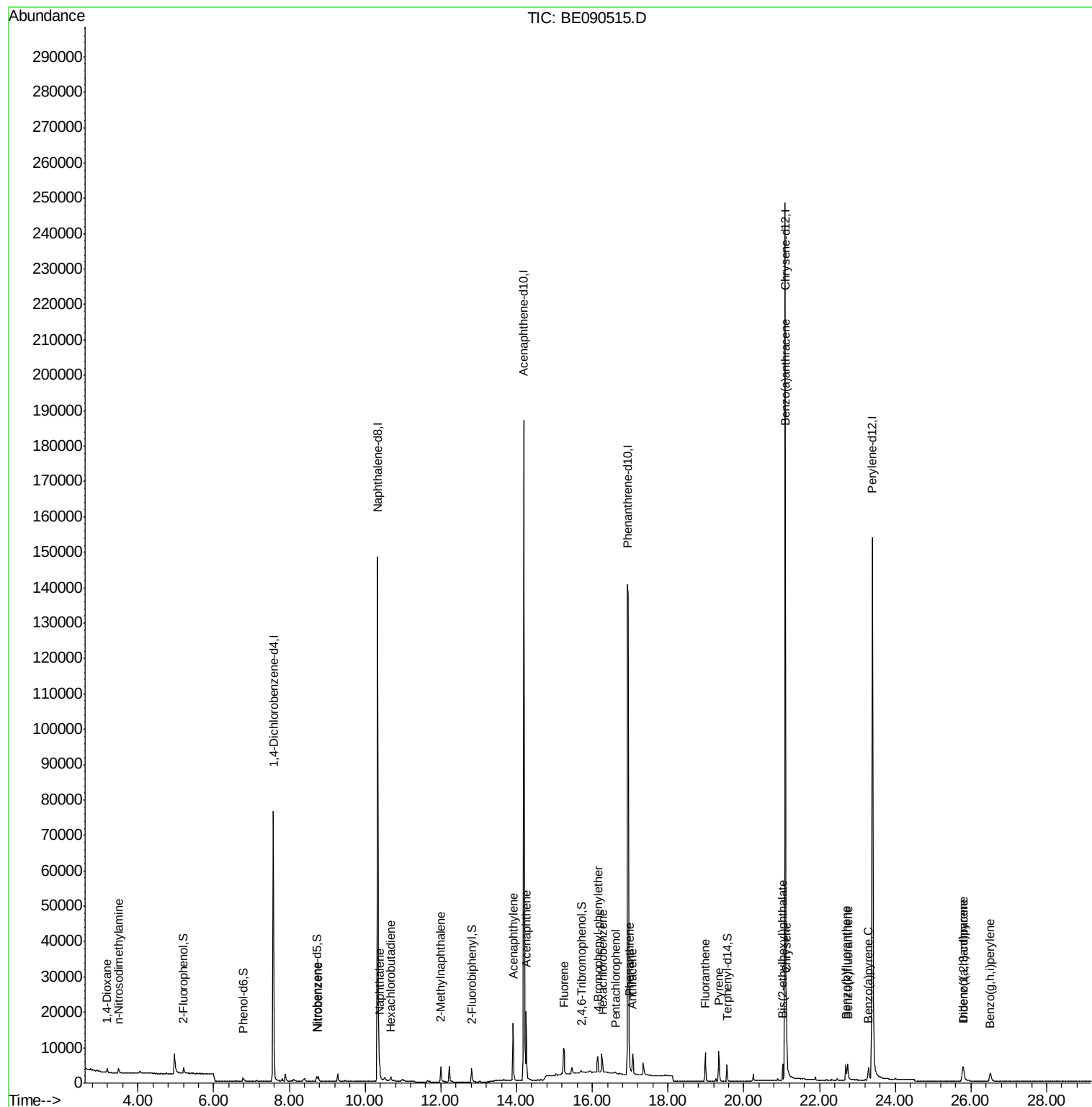
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.57  | 152  | 38612    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.33 | 136  | 194932   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.19 | 164  | 108062   | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 240349   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.09 | 240  | 237310   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 220355   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 1430     | 0.12 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.77  | 99   | 1920     | 0.11 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.72  | 82   | 1759     | 0.11 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 483      | 0.12 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.81 | 172  | 3904     | 0.12 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.55 | 244  | 5421     | 0.12 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.19  | 88   | 653      | 0.12 | ng    | # 79     |
| 3) n-Nitrosodimethylamine      | 3.49  | 42   | 824      | 0.12 | ng    | # 65     |
| 8) Nitrobenzene                | 8.77  | 77   | 1767     | 0.11 | ng    | 98       |
| 9) Naphthalene                 | 10.38 | 128  | 5606     | 0.12 | ng    | 99       |
| 10) Hexachlorobutadiene        | 10.68 | 225  | 808      | 0.12 | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.00 | 142  | 3550     | 0.12 | ng    | 98       |
| 15) Acenaphthylene             | 13.91 | 152  | 23727    | 0.12 | ng    | 100      |
| 16) Acenaphthene               | 14.25 | 154  | 3653     | 0.12 | ng    | # 78     |
| 17) Fluorene                   | 15.26 | 166  | 4628     | 0.12 | ng    | 97       |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248  | 1206     | 0.12 | ng    | 77       |
| 20) Hexachlorobenzene          | 16.27 | 284  | 5478     | 0.12 | ng    | # 93     |
| 21) Pentachlorophenol          | 16.61 | 266  | 392      | 0.12 | ng    | 94       |
| 22) Phenanthrene               | 16.98 | 178  | 8297     | 0.12 | ng    | 97       |
| 23) Anthracene                 | 17.07 | 178  | 6976     | 0.12 | ng    | 100      |
| 24) Fluoranthene               | 18.98 | 202  | 8283     | 0.12 | ng    | 98       |
| 26) Pyrene                     | 19.34 | 202  | 8618     | 0.12 | ng    | 100      |
| 28) Benzo(a)anthracene         | 21.08 | 228  | 8217     | 0.12 | ng    | 97       |
| 29) Chrysene                   | 21.13 | 228  | 8120     | 0.12 | ng    | 97       |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 4465     | 0.13 | ng    | 98       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276  | 7294     | 0.12 | ng    | 94       |
| 33) Benzo(b)fluoranthene       | 22.70 | 252  | 6177     | 0.11 | ng    | # 91     |
| 34) Benzo(k)fluoranthene       | 22.74 | 252  | 7268     | 0.12 | ng    | # 91     |
| 35) Benzo(a)pyrene             | 23.29 | 252  | 5854     | 0.12 | ng    | # 88     |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278  | 5572     | 0.12 | ng    | # 93     |
| 37) Benzo(g,h,i)perylene       | 26.50 | 276  | 6165     | 0.12 | ng    | # 92     |

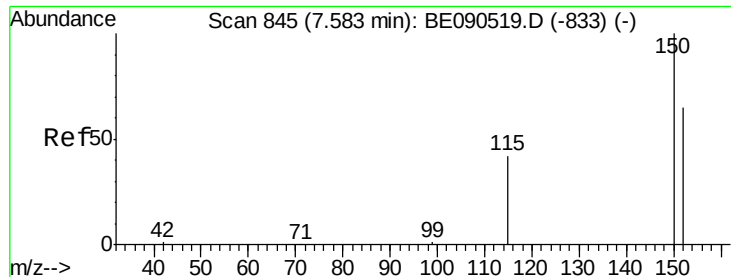
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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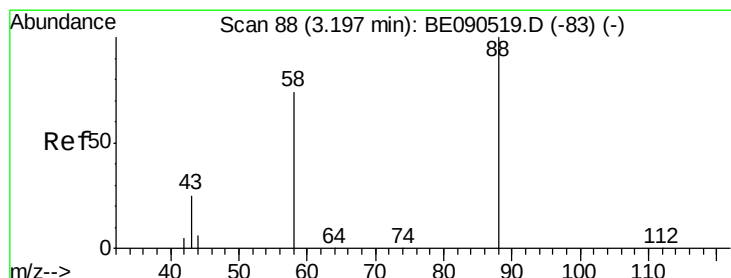
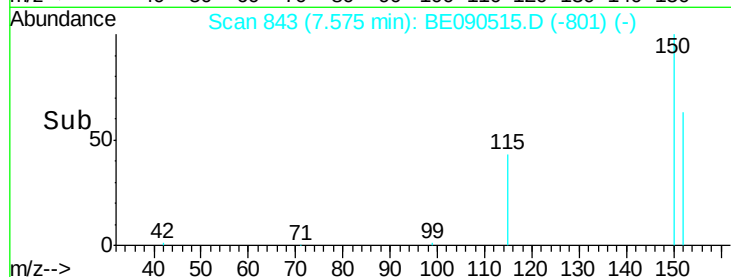
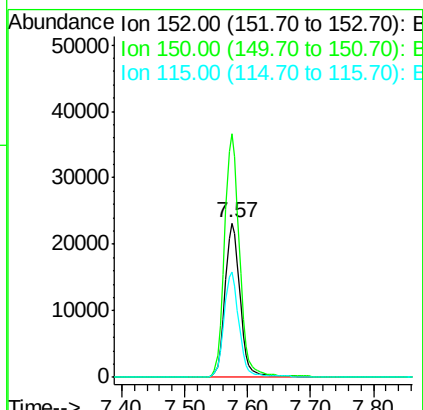
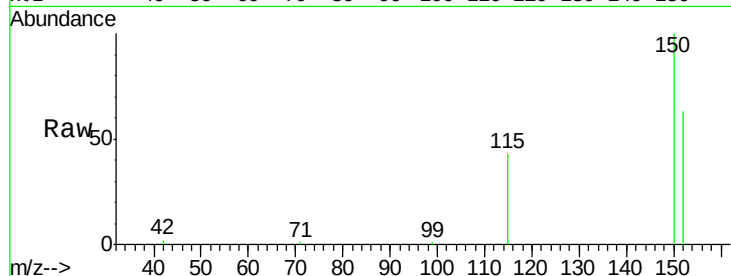


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.57 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

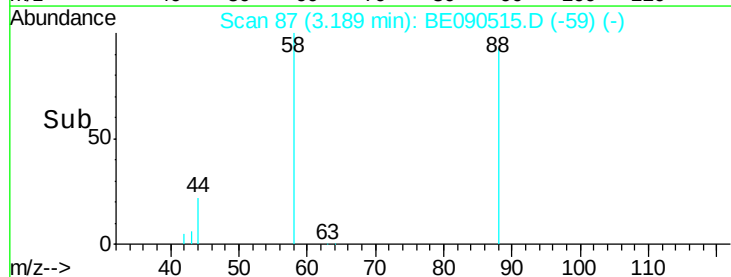
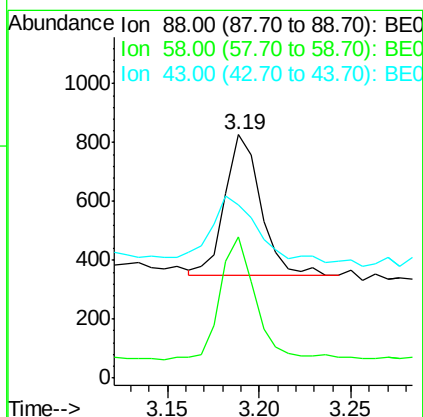
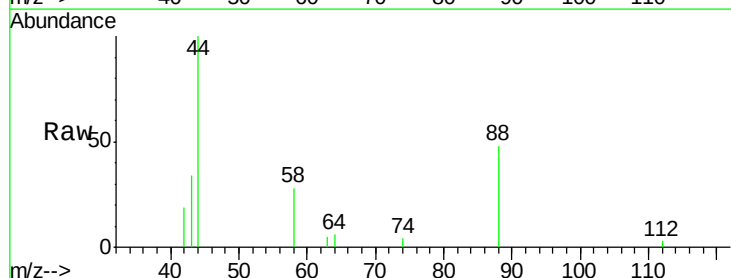
Tot Ion:152 Resp: 38612  
Ion Ratio Lower Upper  
152 100  
150 158.1 123.0 184.4  
115 68.4 48.9 73.3

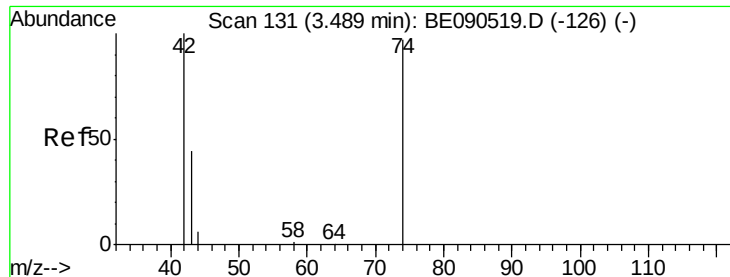


#2

1,4-Dioxane  
Concen: 0.12 ng  
RT: 3.19 min Scan# 87  
Delta R.T. -0.01 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

Tgt Ion: 88 Resp: 653  
Ion Ratio Lower Upper  
88 100  
58 85.6 70.0 105.0  
43 75.3 28.4 42.6#





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

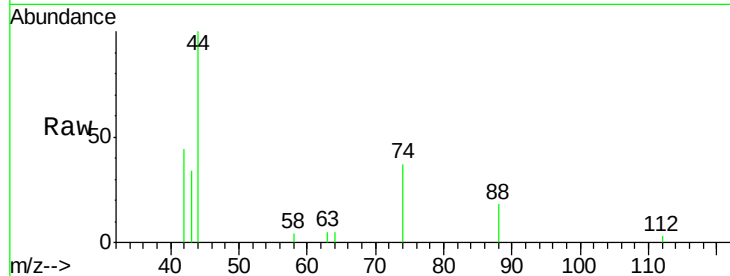
Tot Ion: 42 Resp: 824

Ion Ratio Lower Upper

42 100

74 124.6 75.2 112.8#

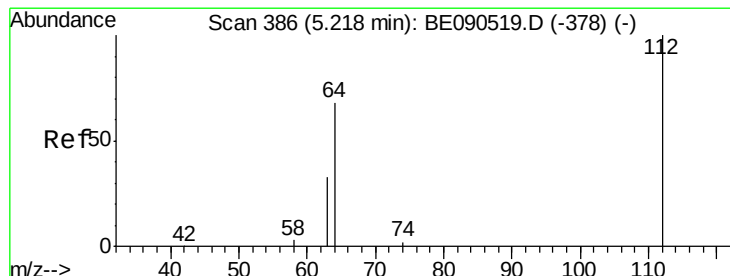
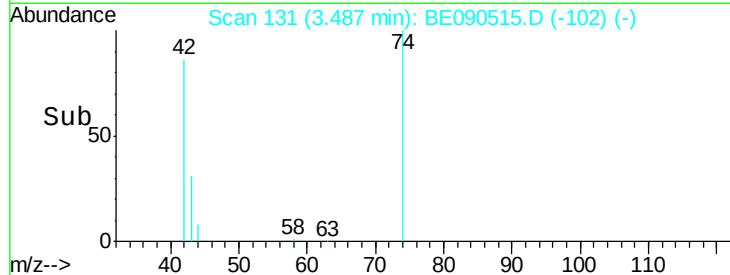
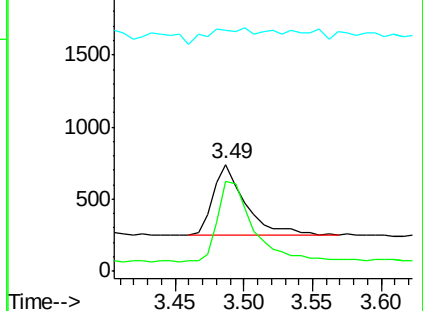
44 34.0 8.7 13.1#



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: 0.12 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

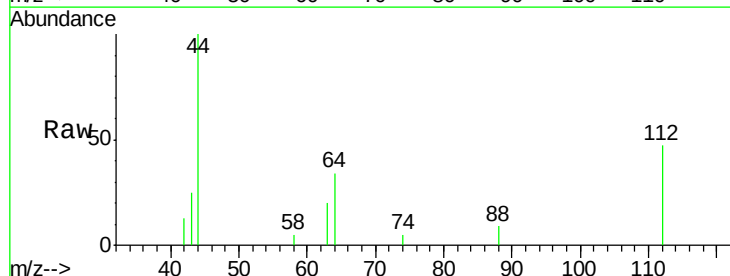
Tgt Ion: 112 Resp: 1430

Ion Ratio Lower Upper

112 100

64 74.1 37.1 55.7#

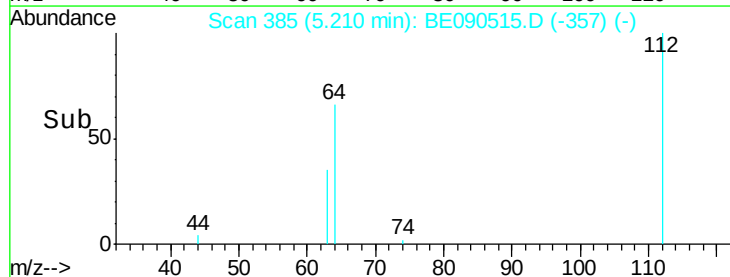
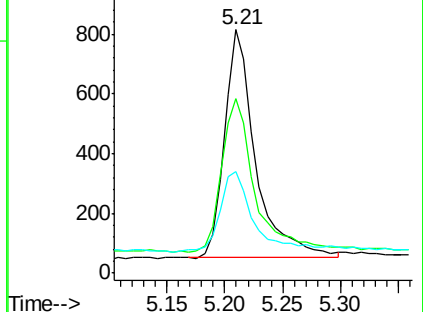
63 38.3 19.5 29.3#

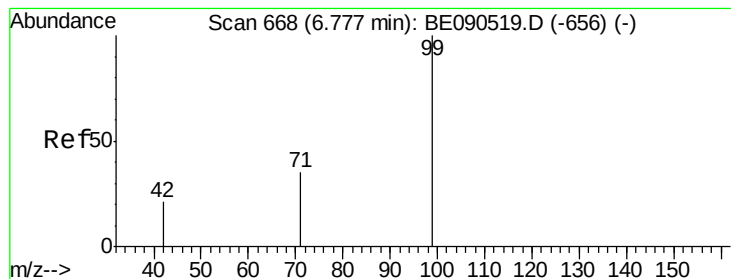


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

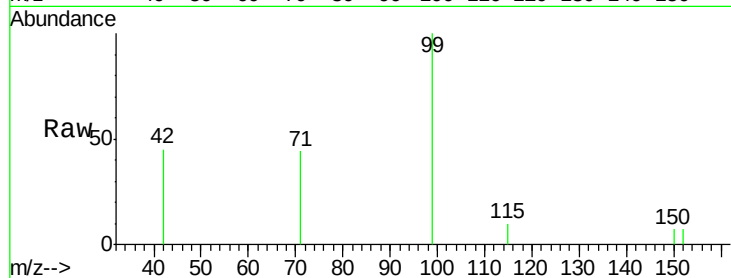
Tot Ion: 99 Resp: 1920

Ion Ratio Lower Upper

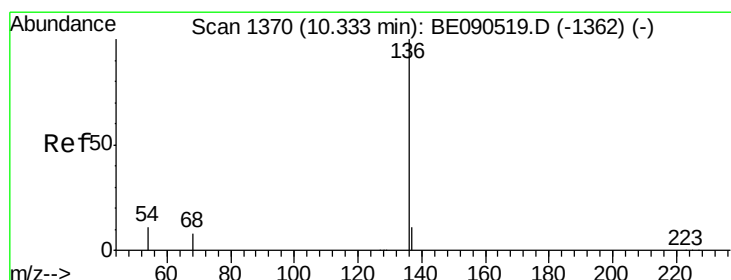
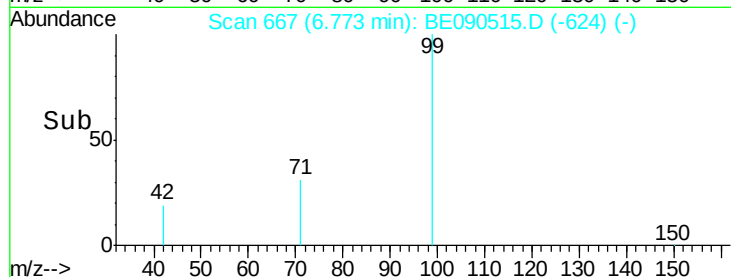
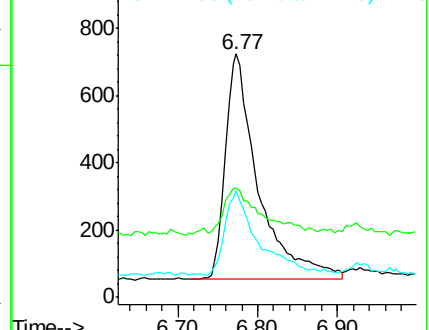
99 100

42 22.4 18.2 27.4

71 39.0 27.4 41.0



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Tgt Ion: 136 Resp: 194932

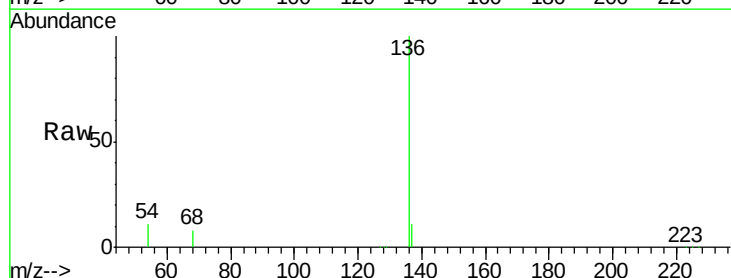
Ion Ratio Lower Upper

136 100

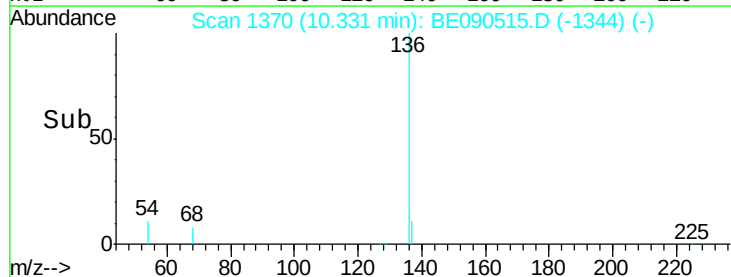
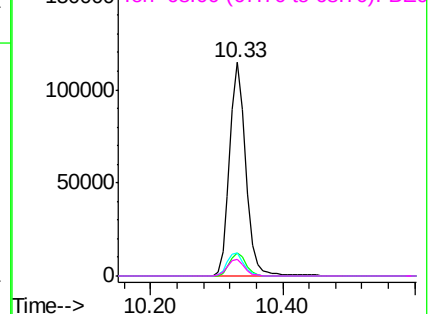
137 10.8 8.7 13.1

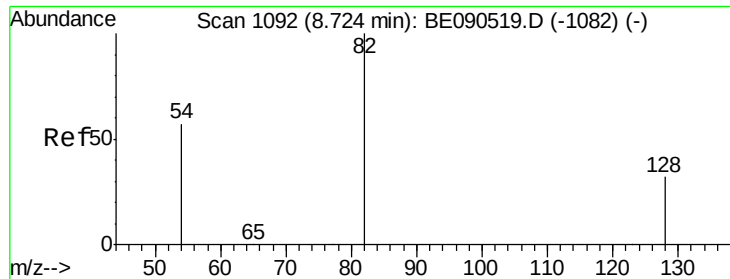
54 10.6 9.4 14.0

68 7.9 6.5 9.7



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





#7

Nitrobenzene-d5

Concen: 0.11 ng

RT: 8.72 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

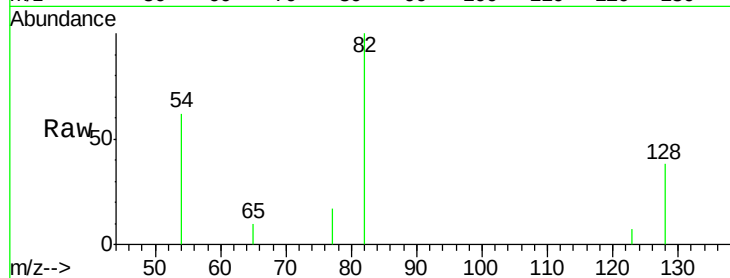
Tot Ion: 82 Resp: 1759

Ion Ratio Lower Upper

82 100

128 38.1 25.0 37.6#

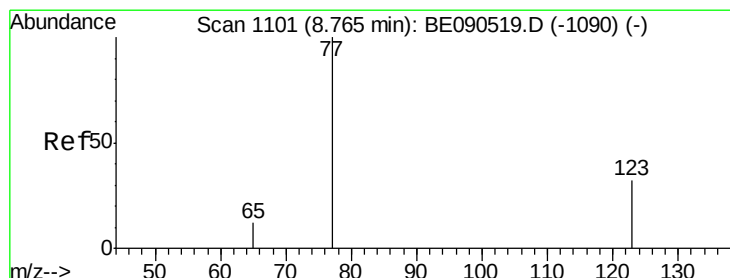
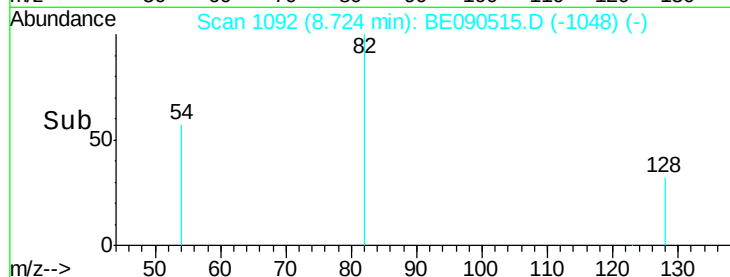
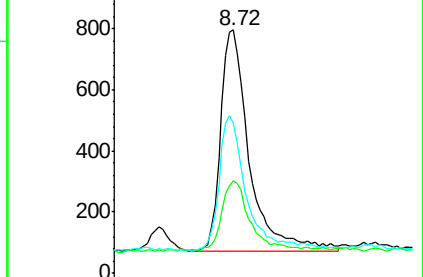
54 61.6 48.8 73.2



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



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

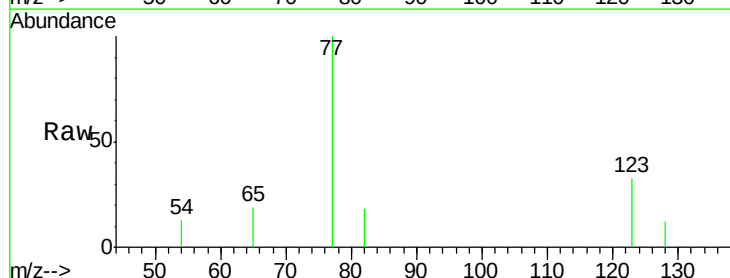
Tgt Ion: 77 Resp: 1767

Ion Ratio Lower Upper

77 100

123 31.1 25.1 37.7

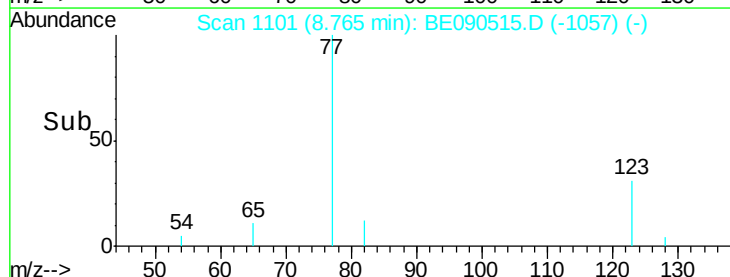
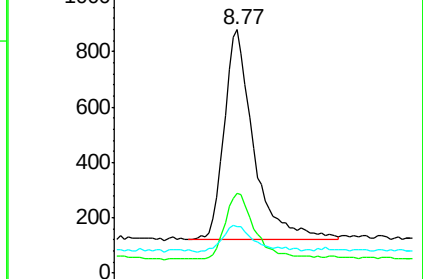
65 13.8 9.3 13.9

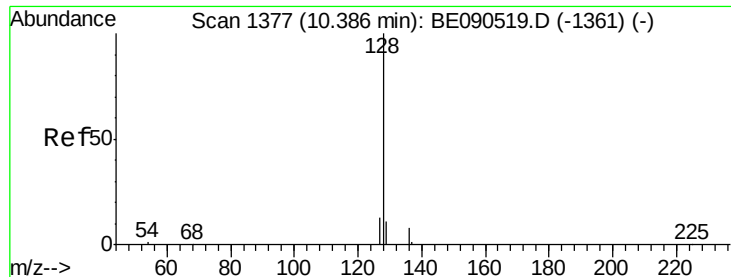


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.12 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

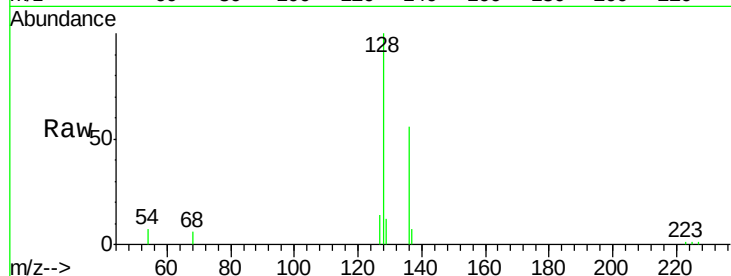
Tot Ion:128 Resp: 5606

Ion Ratio Lower Upper

128 100

129 12.5 9.8 14.6

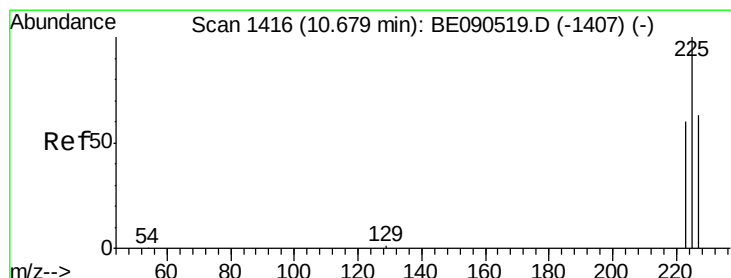
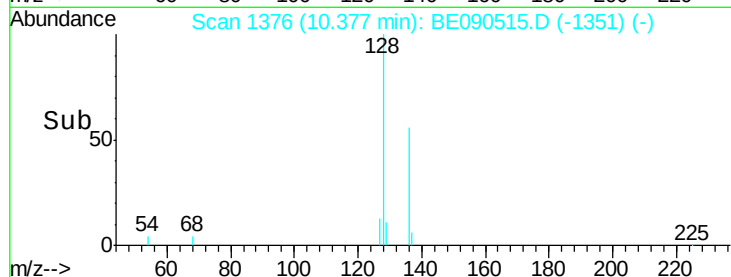
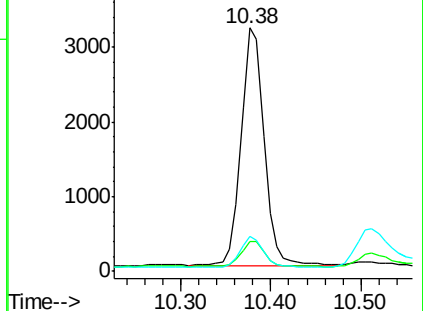
127 14.1 10.6 16.0



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: 0.12 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

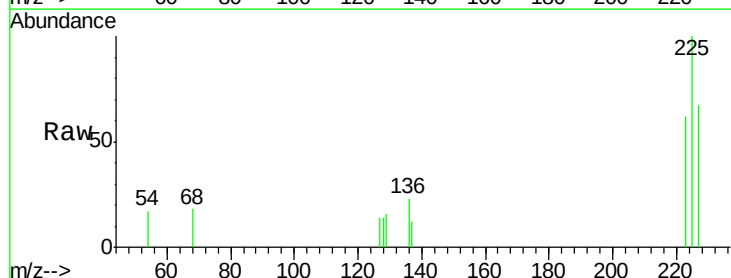
Tgt Ion:225 Resp: 808

Ion Ratio Lower Upper

225 100

223 61.6 50.6 75.8

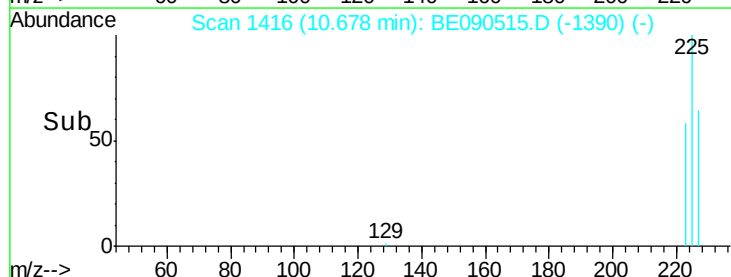
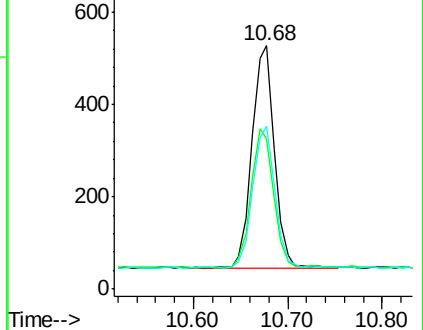
227 63.1 50.7 76.1

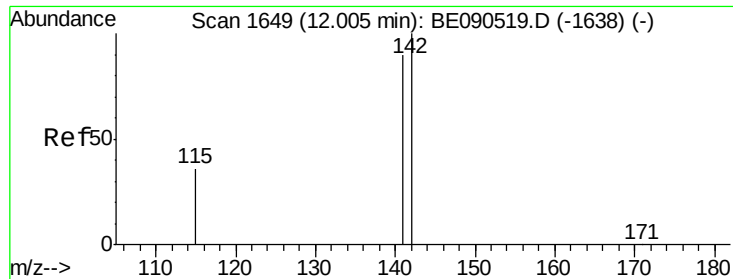


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

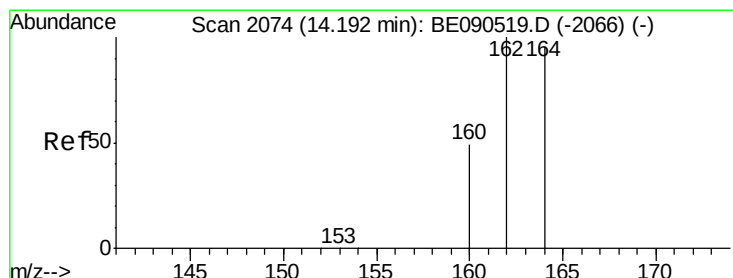
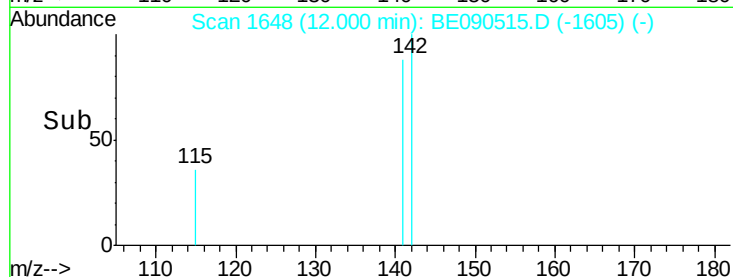
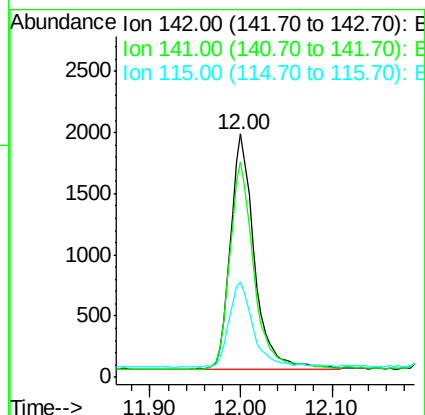
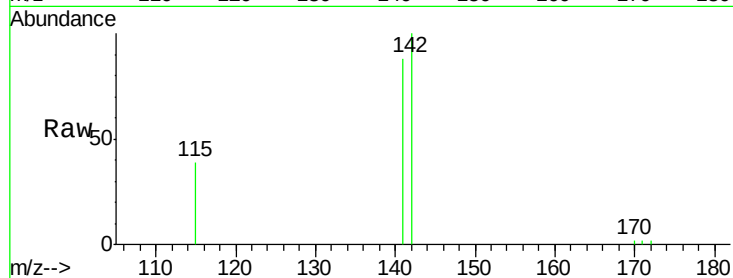




#11  
2-Methylnaphthalene  
Concen: 0.12 ng  
RT: 12.00 min Scan# 1648  
Delta R.T. -0.01 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

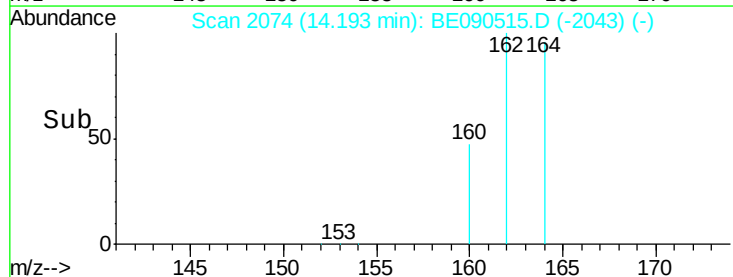
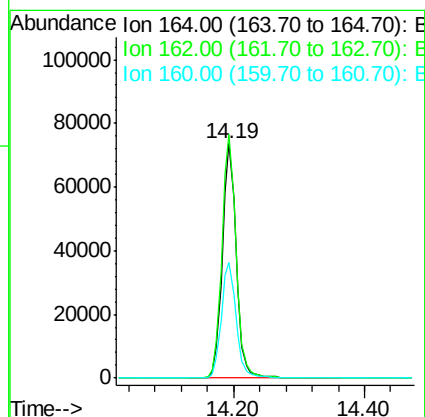
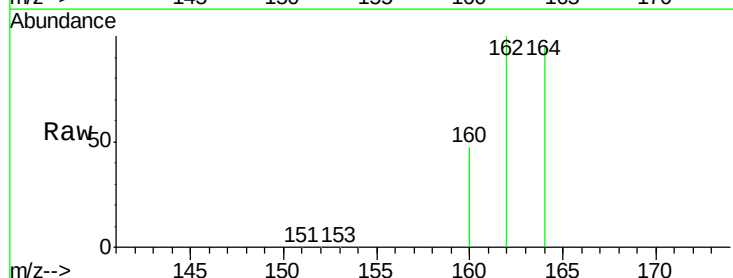
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

Tot Ion:142 Resp: 3550  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.6 109.0  
115 38.9 31.6 47.4

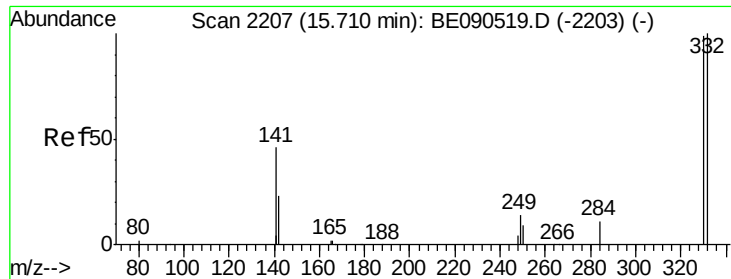


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.19 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

Tgt Ion:164 Resp: 108062  
Ion Ratio Lower Upper  
164 100  
162 104.0 81.8 122.8  
160 49.2 44.2 66.4



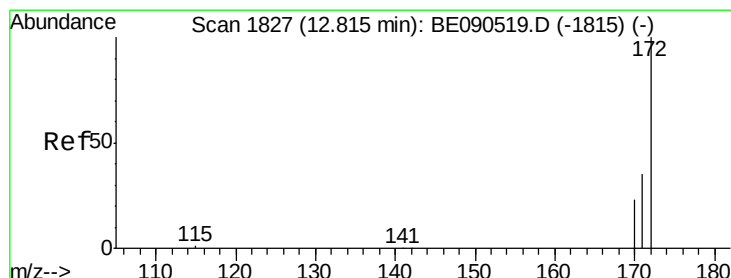
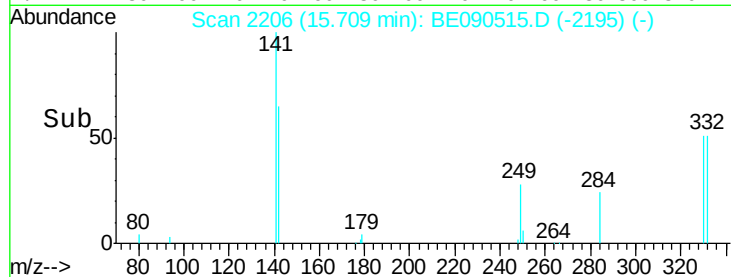
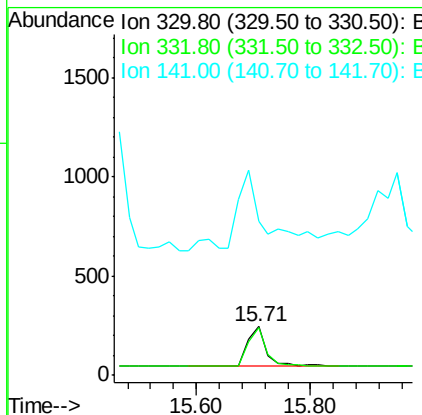
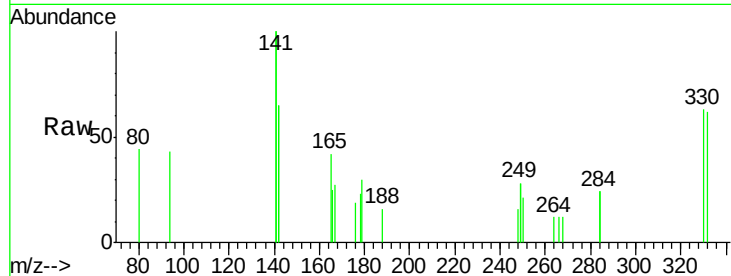




#13  
 2,4,6-Tribromophenol  
 Concen: 0.12 ng  
 RT: 15.71 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

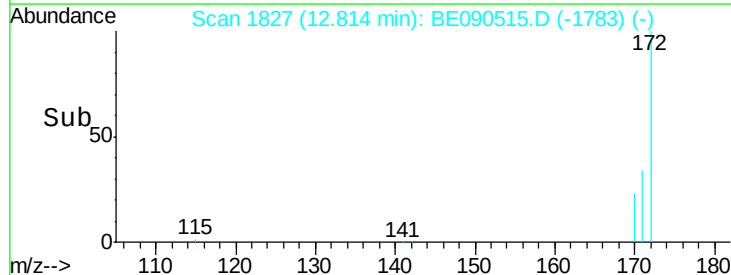
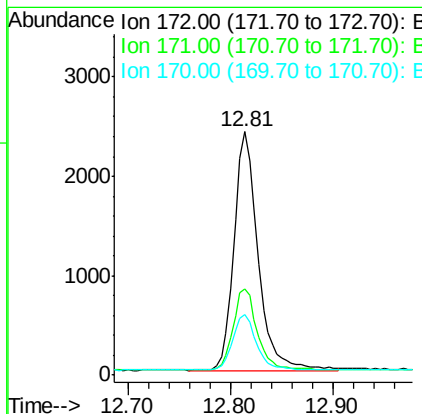
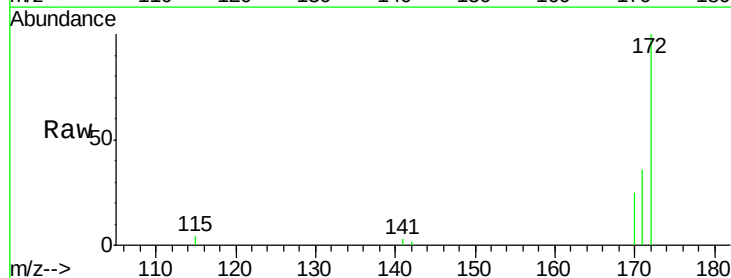
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

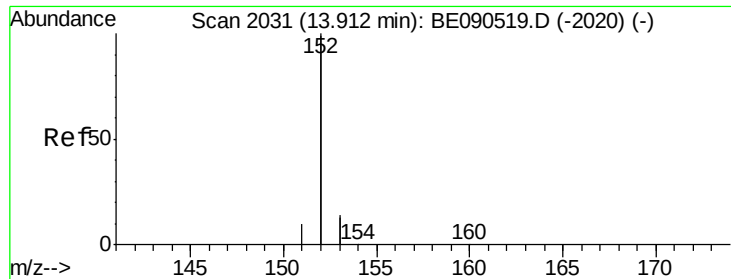
Tot Ion:330 Resp: 483  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 75.8 113.6  
 141 330.6 114.4 171.6#



#14  
 2-Fluorobiphenyl  
 Concen: 0.12 ng  
 RT: 12.81 min Scan# 1827  
 Delta R.T. -0.00 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

Tgt Ion:172 Resp: 3904  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.5 42.7  
 170 24.6 19.8 29.8





#15

Acenaphthylene

Concen: 0.12 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

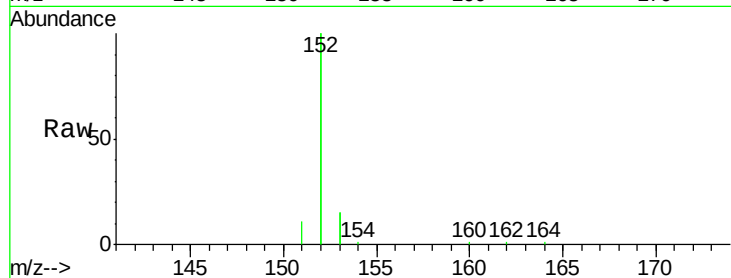
Tot Ion:152 Resp: 23727

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

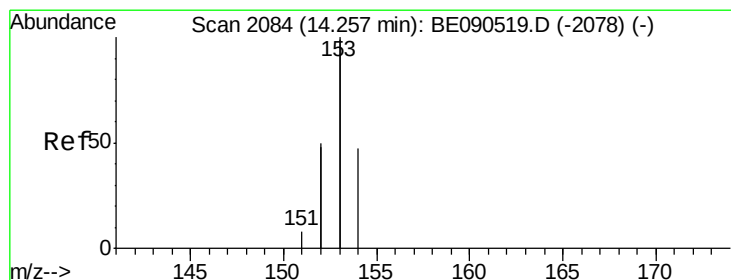
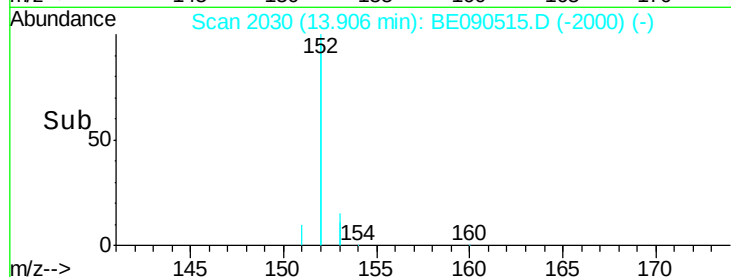
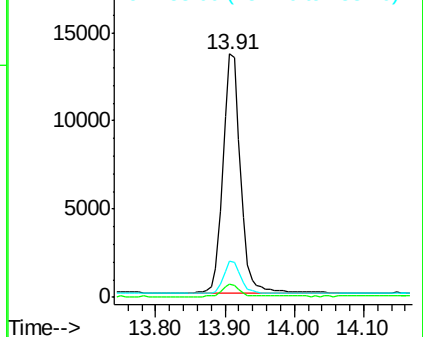
153 13.1 10.3 15.5



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



#16

Acenaphthene

Concen: 0.12 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

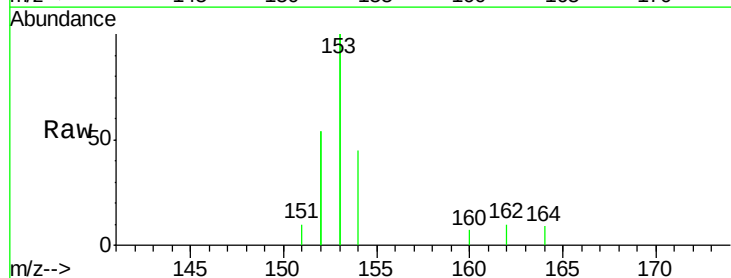
Tgt Ion:154 Resp: 3653

Ion Ratio Lower Upper

154 100

153 431.6 376.2 564.2

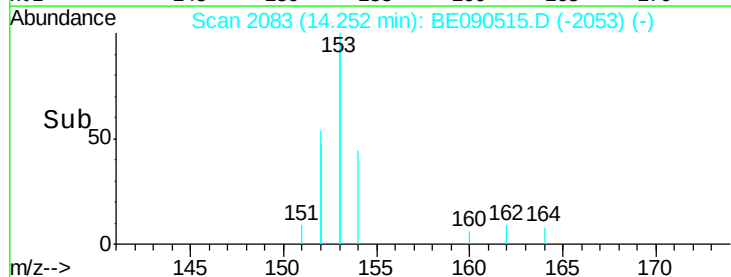
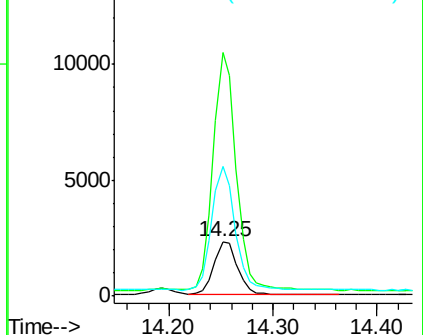
152 229.4 235.0 352.4#

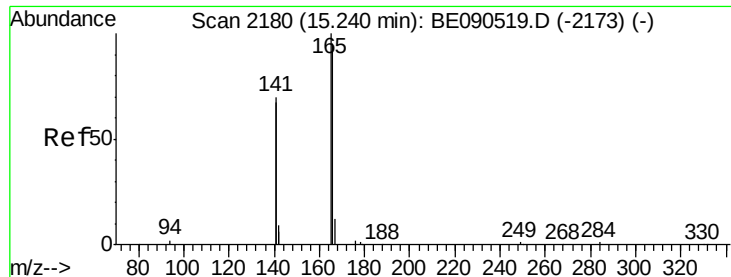


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.12 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

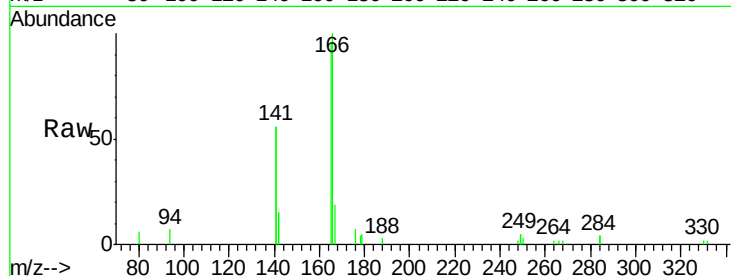
Tot Ion:166 Resp: 4628

Ion Ratio Lower Upper

166 100

165 99.1 81.5 122.3

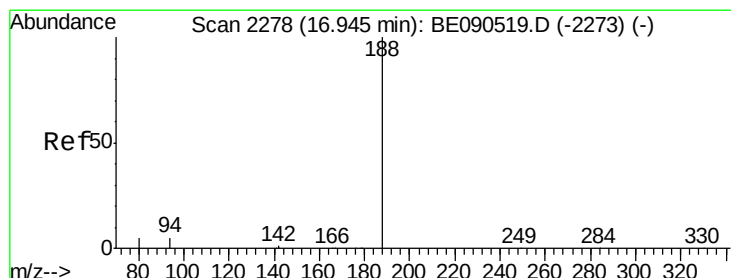
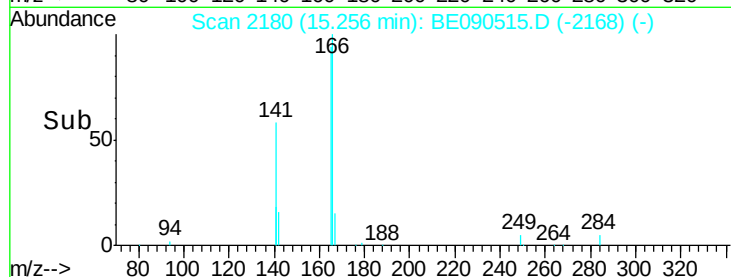
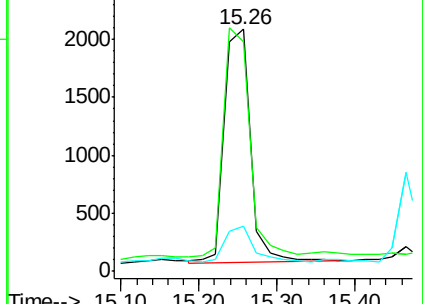
167 17.0 11.4 17.0



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

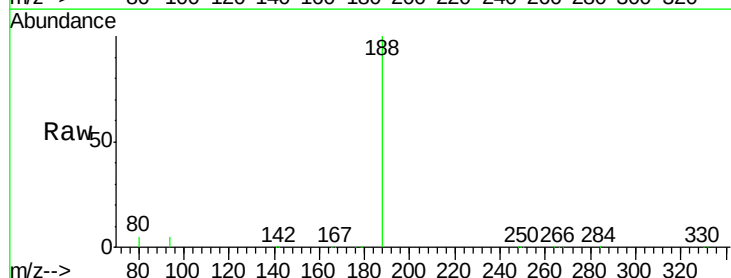
Tgt Ion:188 Resp: 240349

Ion Ratio Lower Upper

188 100

94 4.6 5.7 8.5#

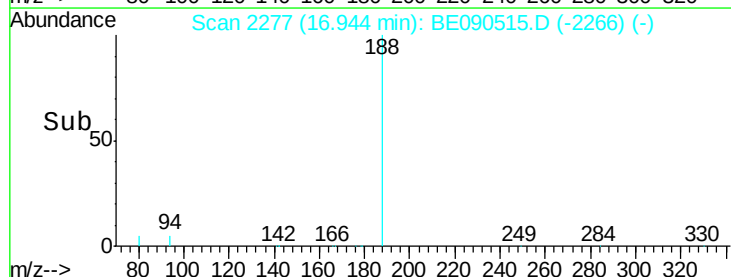
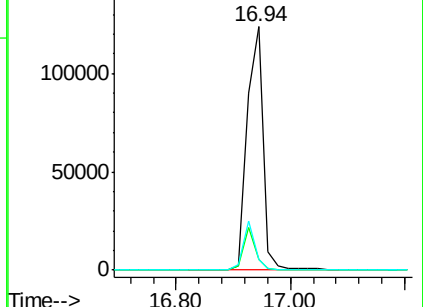
80 4.6 5.8 8.8#

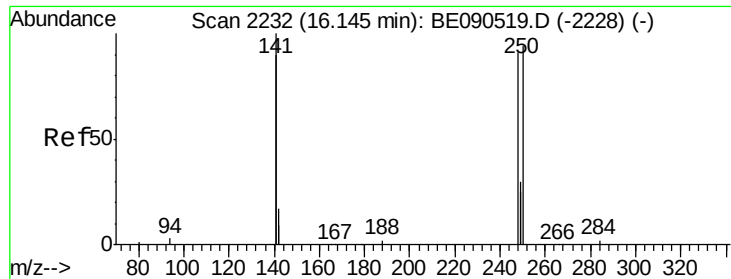


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

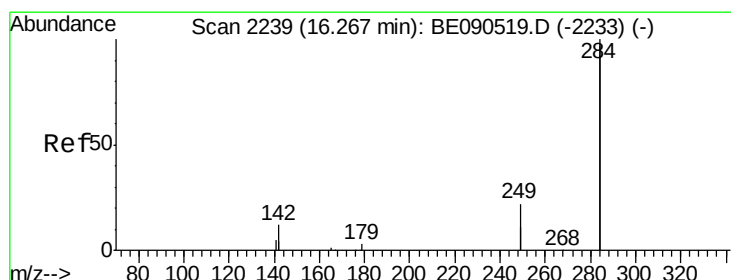
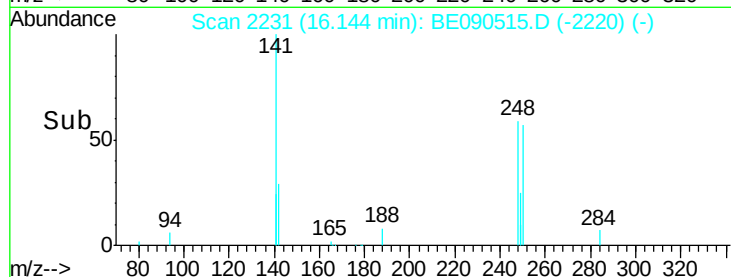
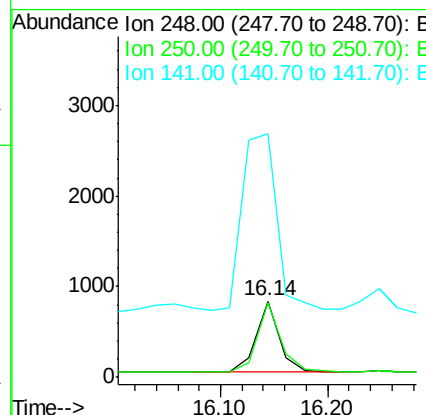
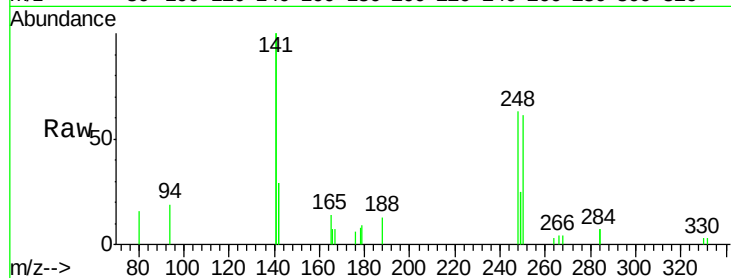




#19  
4-Bromophenyl-phenylether  
Concen: 0.12 ng  
RT: 16.14 min Scan# 2231  
Delta R.T. -0.00 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

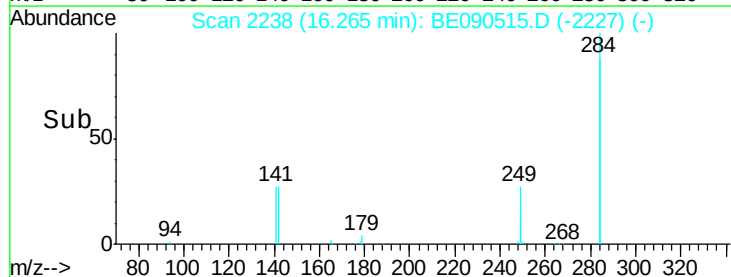
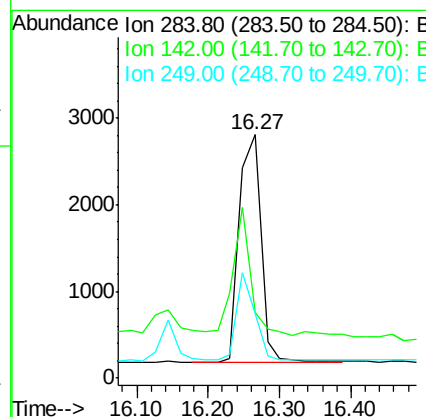
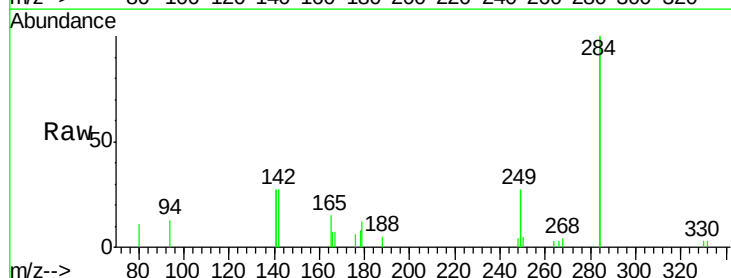
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

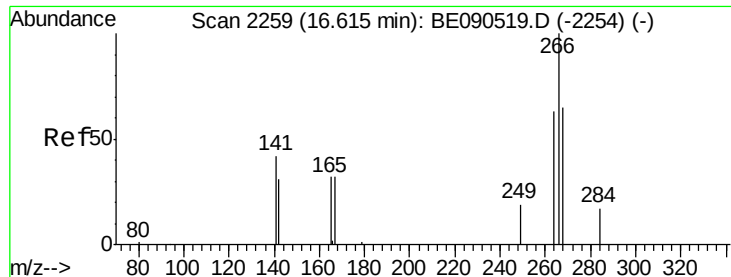
Tot Ion:248 Resp: 1206  
Ion Ratio Lower Upper  
248 100  
250 97.6 79.0 118.6  
141 359.1 239.5 359.3



#20  
Hexachlorobenzene  
Concen: 0.12 ng  
RT: 16.27 min Scan# 2238  
Delta R.T. -0.00 min  
Lab File: BE090515.D  
Acq: 14 Aug 2015 11:42

Tgt Ion:284 Resp: 5478  
Ion Ratio Lower Upper  
284 100  
142 45.4 30.1 45.1#  
249 32.1 25.7 38.5





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.1

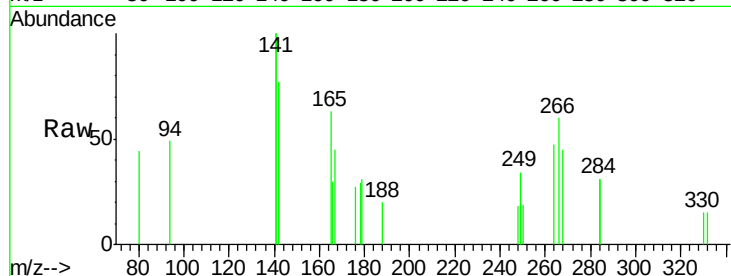
Tot Ion:266 Resp: 392

Ion Ratio Lower Upper

266 100

268 74.9 58.5 87.7

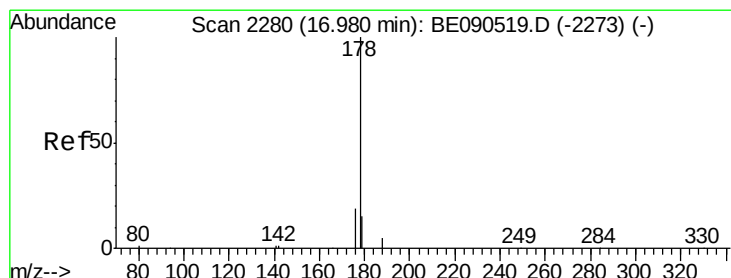
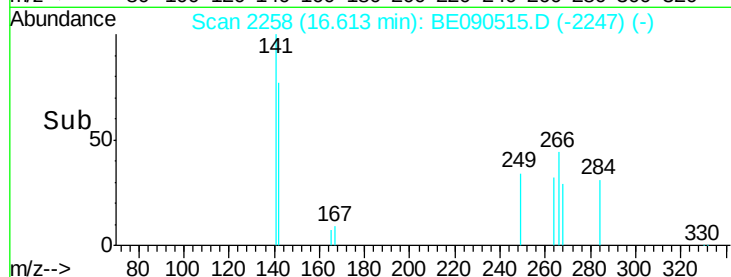
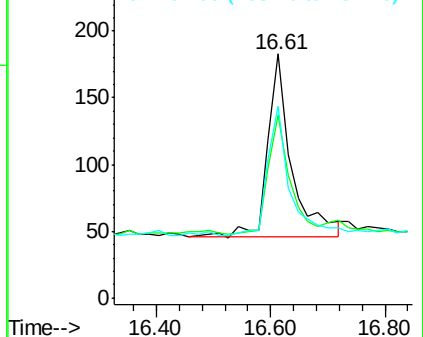
264 78.7 56.0 84.0



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



#22

Phenanthrene

Concen: 0.12 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

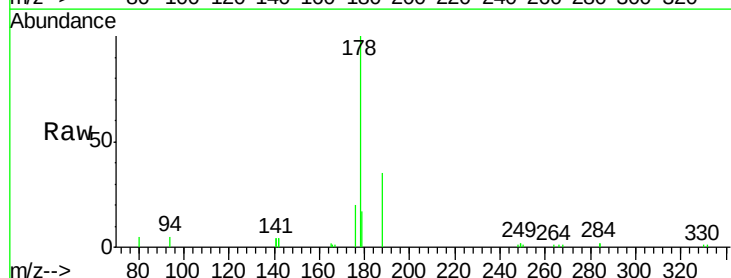
Tgt Ion:178 Resp: 8297

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

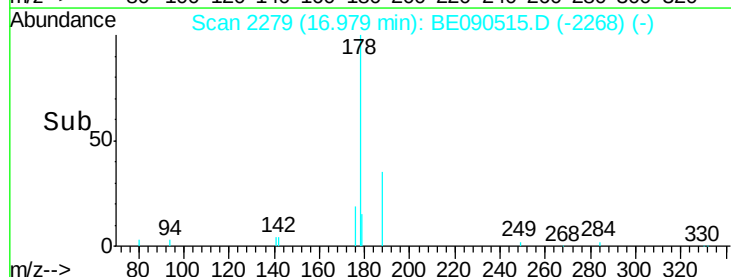
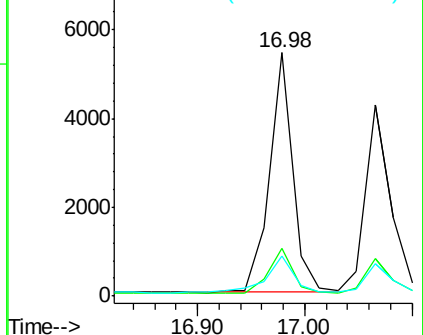
179 18.5 12.5 18.7

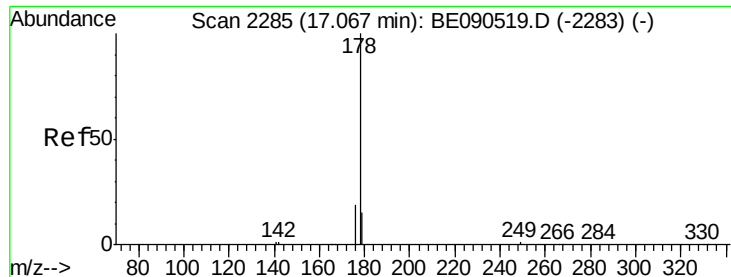


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.12 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

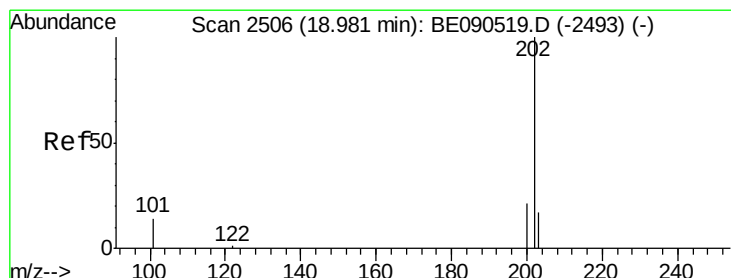
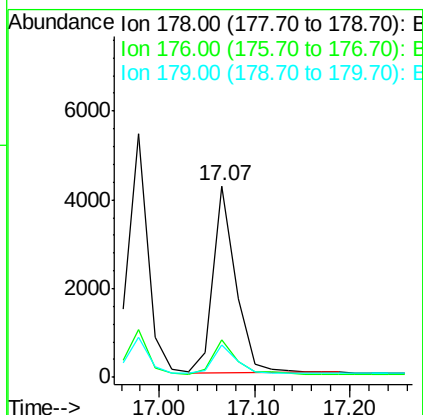
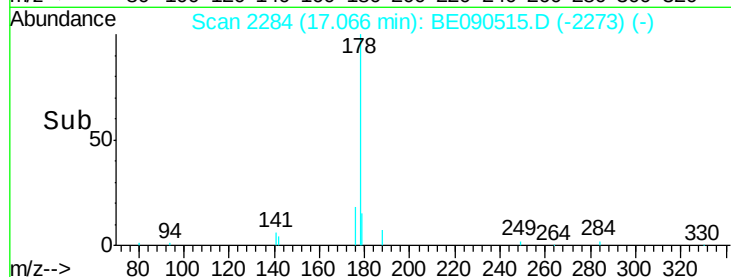
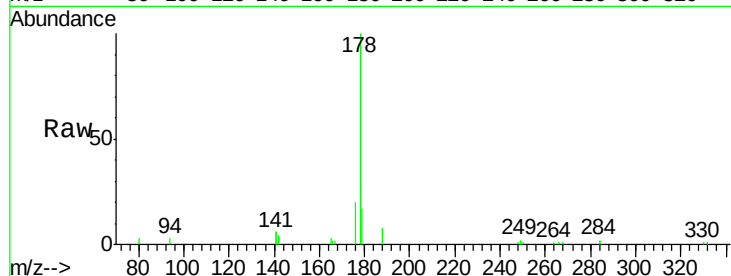
Tot Ion:178 Resp: 6976

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.4 12.2 18.4



#24

Fluoranthene

Concen: 0.12 ng

RT: 18.98 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

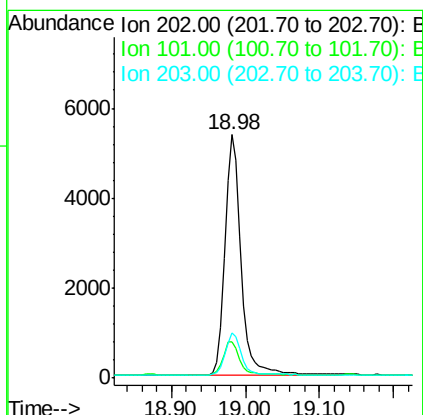
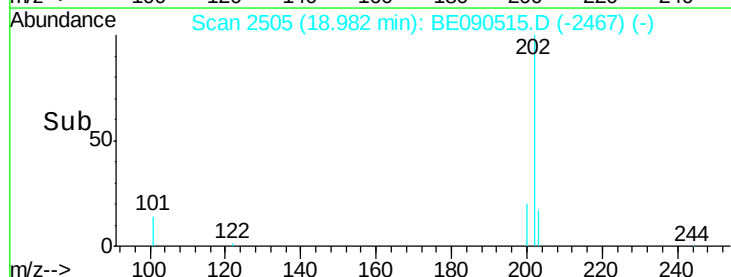
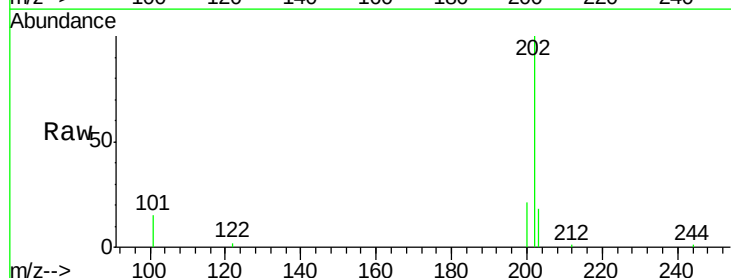
Tgt Ion:202 Resp: 8283

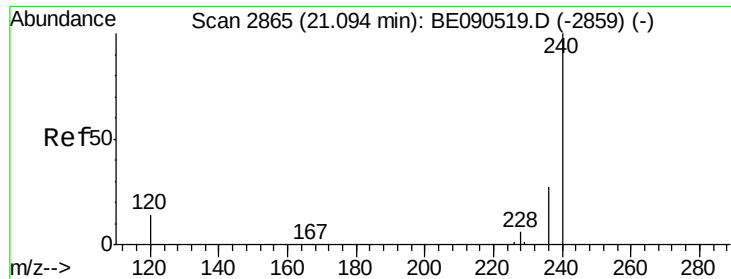
Ion Ratio Lower Upper

202 100

101 13.7 10.3 15.5

203 17.6 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

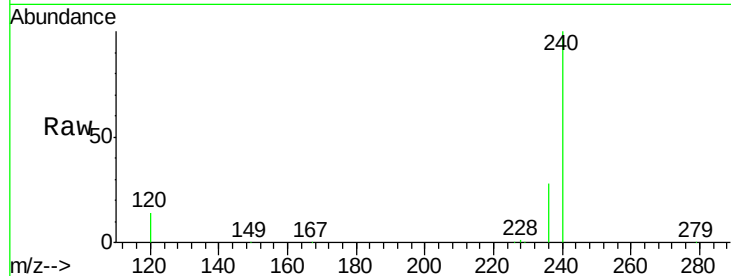
Tot Ion:240 Resp: 237310

Ion Ratio Lower Upper

240 100

120 13.5 8.3 12.5#

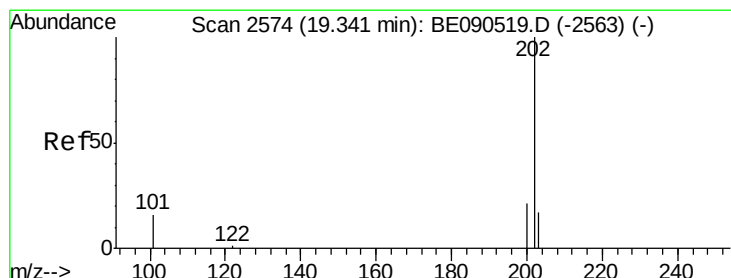
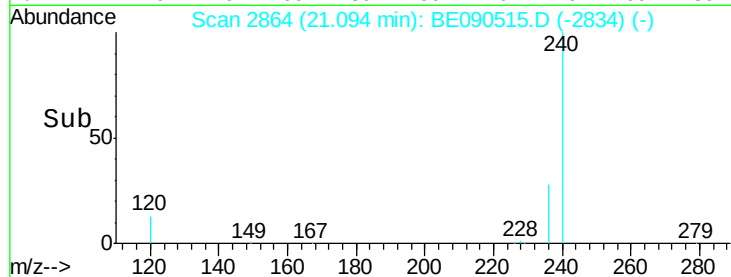
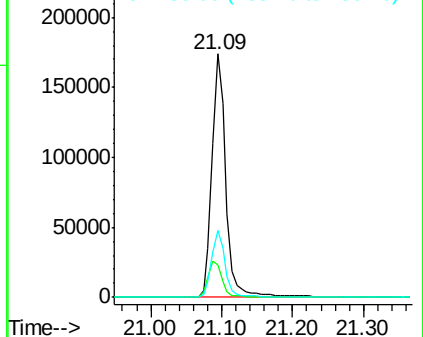
236 27.6 21.0 31.4



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



#26

Pyrene

Concen: 0.12 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

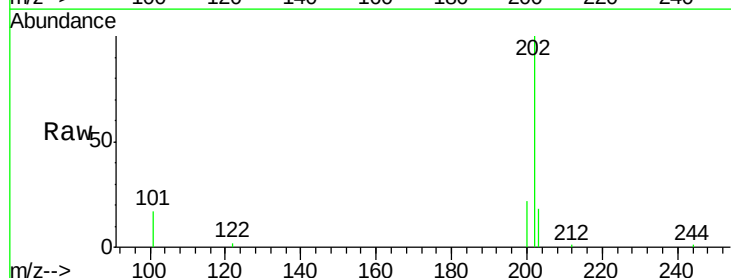
Tgt Ion:202 Resp: 8618

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

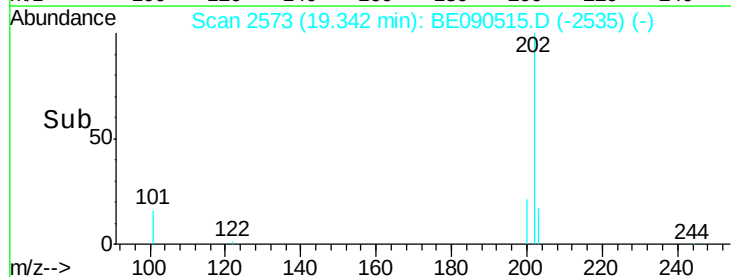
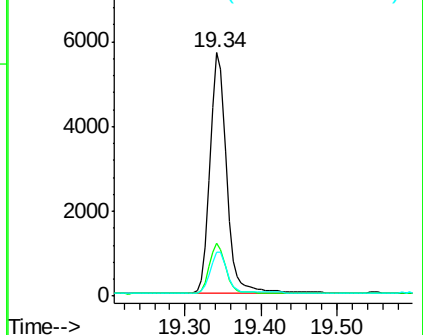
203 17.2 13.8 20.8

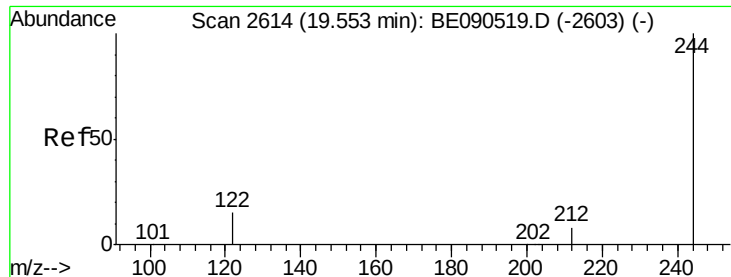


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

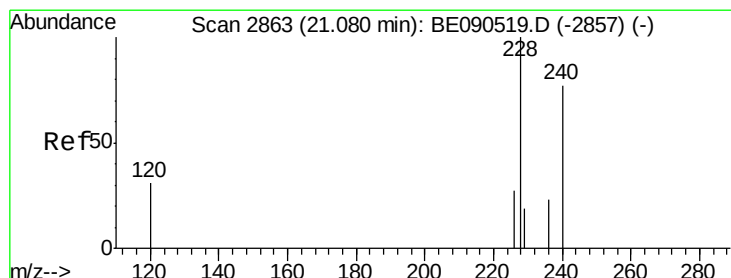
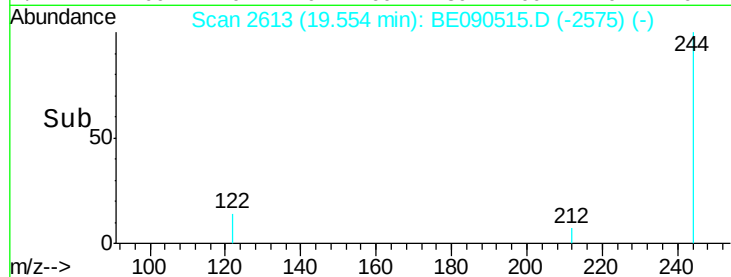
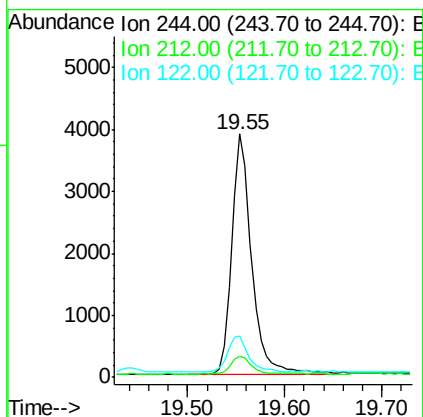
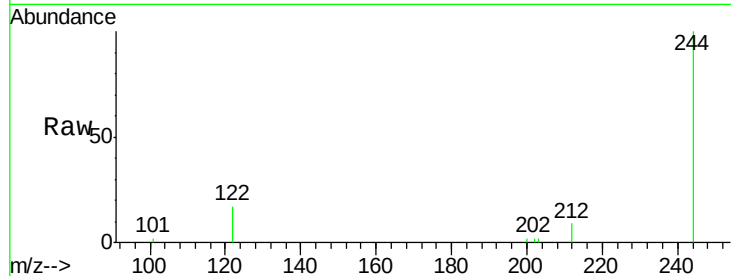




#27  
 Terphenyl-d14  
 Concen: 0.12 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. 0.00 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

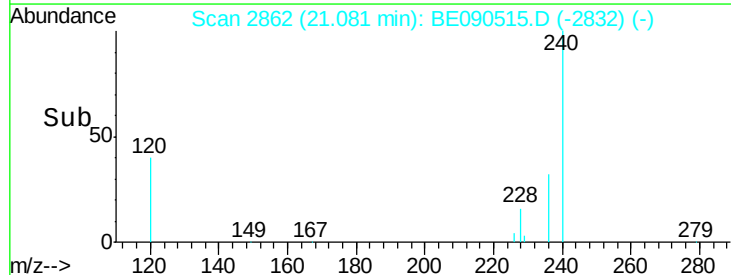
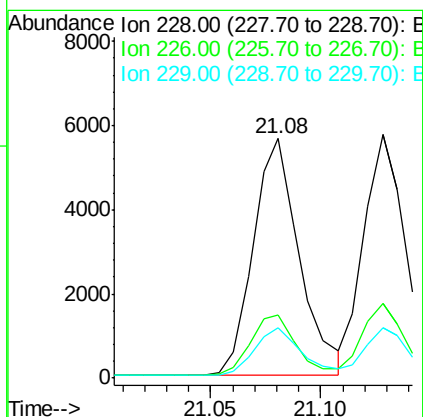
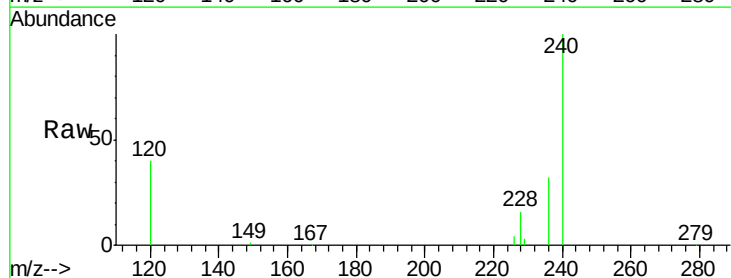
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Tot Ion:244 Resp: 5421  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 6.6 9.8  
 122 17.0 10.2 15.4#

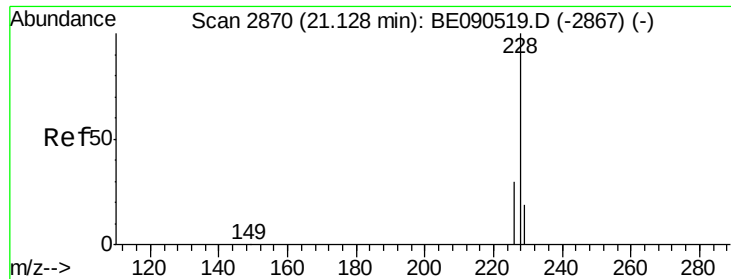


#28  
 Benzo(a)anthracene  
 Concen: 0.12 ng  
 RT: 21.08 min Scan# 2862  
 Delta R.T. 0.00 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

Tgt Ion:228 Resp: 8217  
 Ion Ratio Lower Upper  
 228 100  
 226 26.3 21.9 32.9  
 229 21.1 15.4 23.0







#29

Chrysene

Concen: 0.12 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

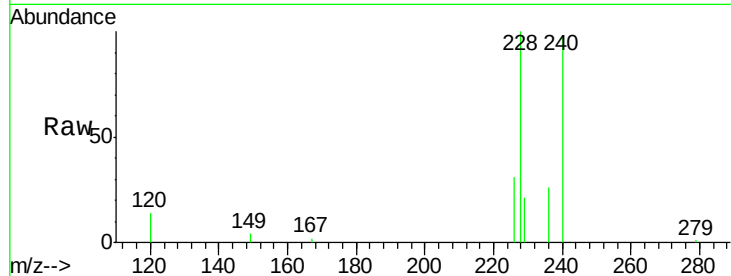
Tot Ion:228 Resp: 8120

Ion Ratio Lower Upper

228 100

226 30.8 23.1 34.7

229 20.5 15.8 23.8

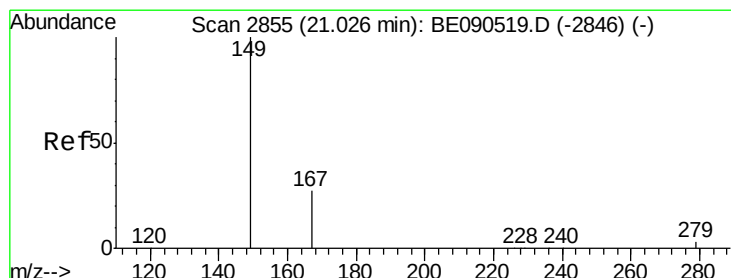
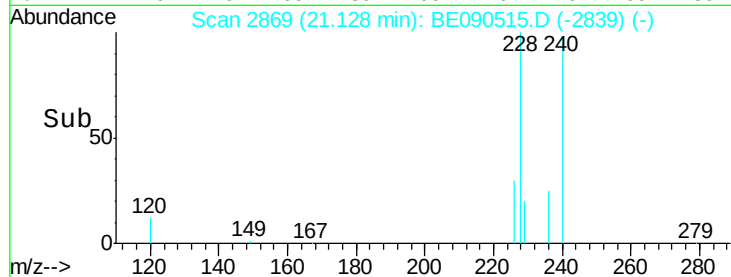
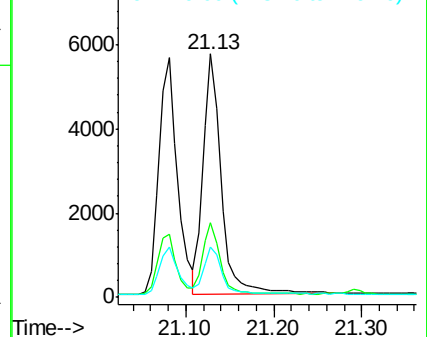


Abundance

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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.02 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

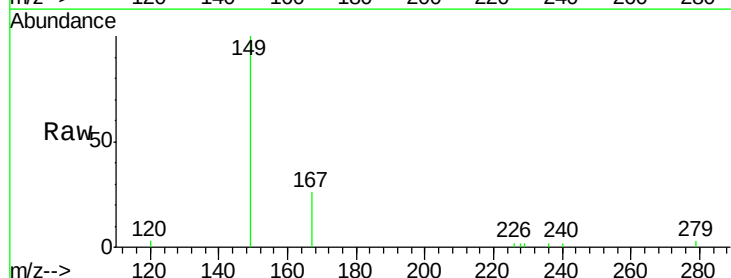
Tgt Ion:149 Resp: 4465

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

279 3.0 2.4 3.6

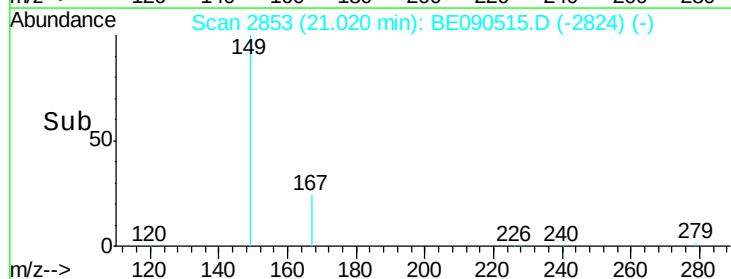
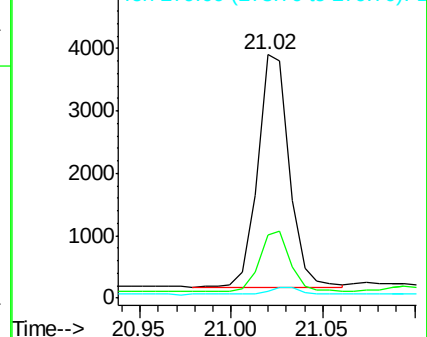


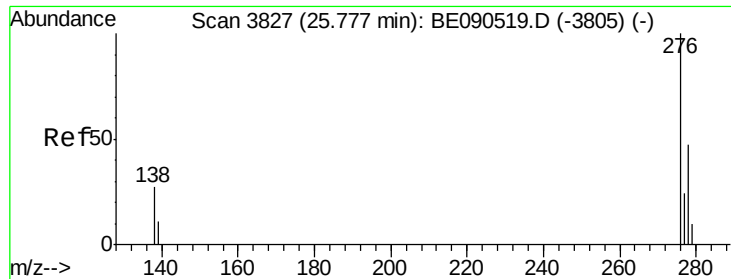
Abundance

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

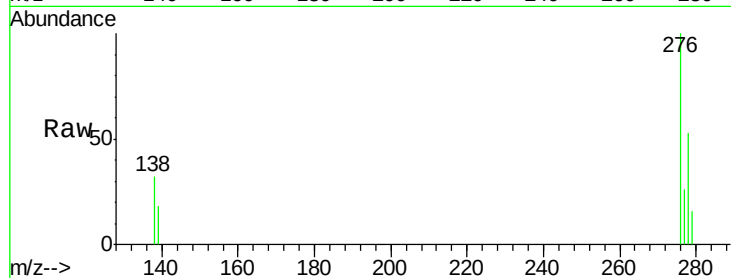




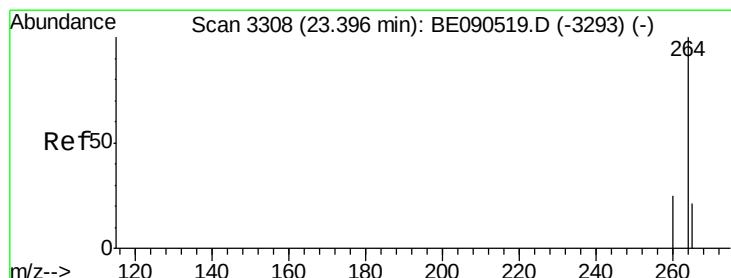
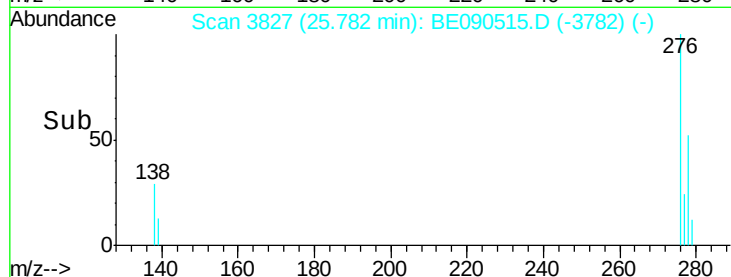
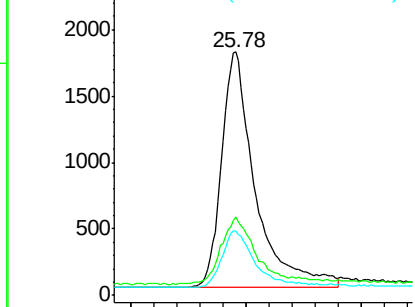
#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.12 ng  
 RT: 25.78 min Scan# 3827  
 Delta R.T. 0.01 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Tot Ion:276 Resp: 7294  
 Ion Ratio Lower Upper  
 276 100  
 138 28.0 18.8 28.2  
 277 24.1 18.2 27.4

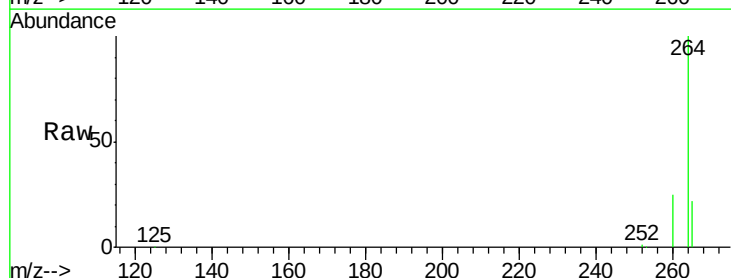


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

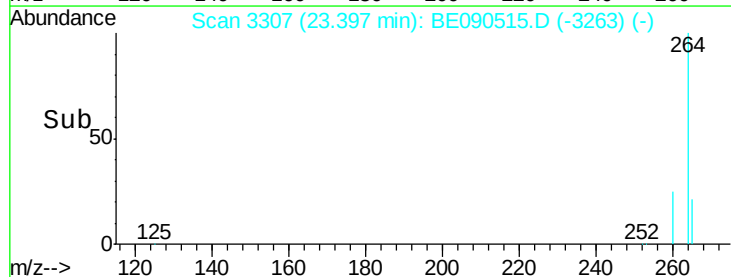
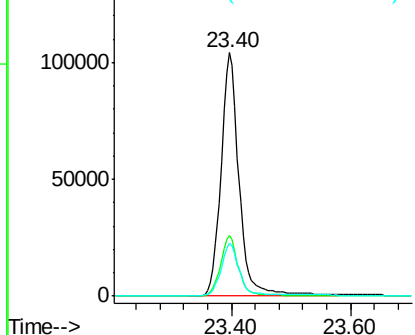


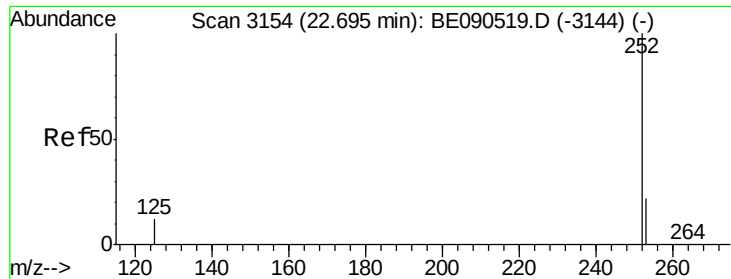
#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.40 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: BE090515.D  
 Acq: 14 Aug 2015 11:42

Tgt Ion:264 Resp: 220355  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.1 30.1  
 265 21.7 17.2 25.8



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





#33

Benzo(b)fluoranthene

Concen: 0.11 ng

RT: 22.70 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

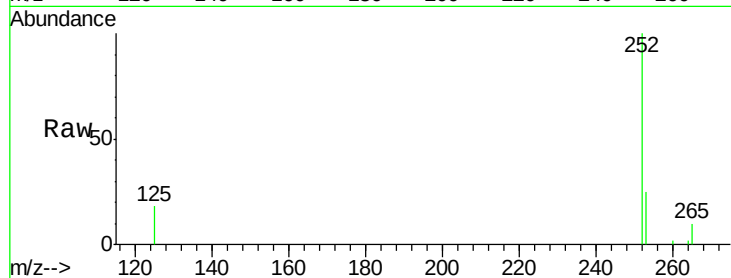
Tot Ion:252 Resp: 6177

Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

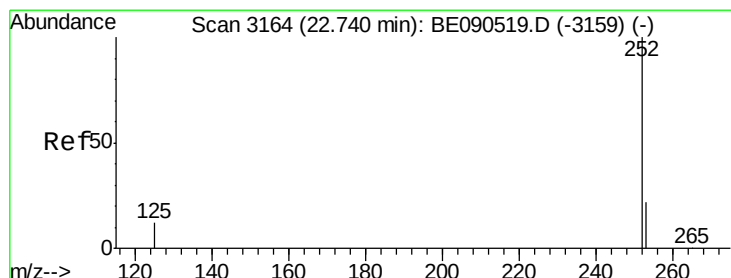
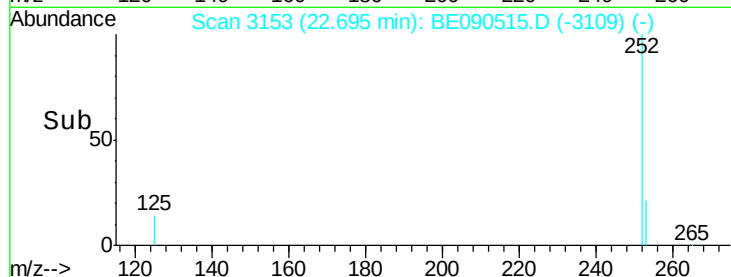
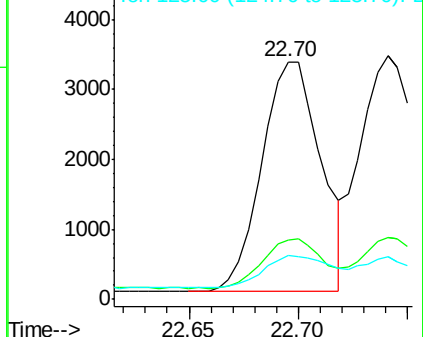
125 18.4 9.4 14.2#



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



#34

Benzo(k)fluoranthene

Concen: 0.12 ng

RT: 22.74 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

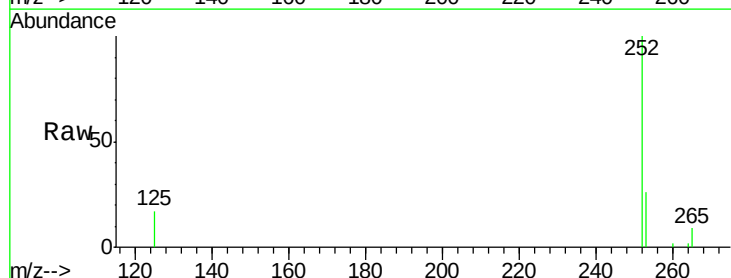
Tgt Ion:252 Resp: 7268

Ion Ratio Lower Upper

252 100

253 25.5 18.1 27.1

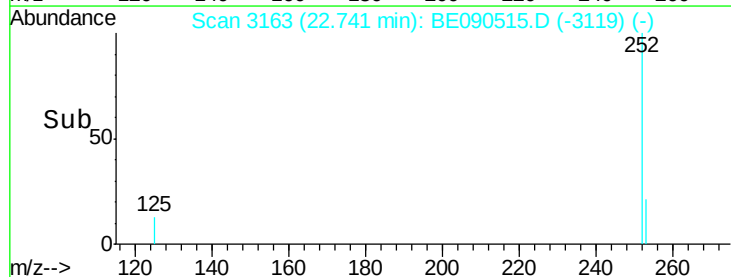
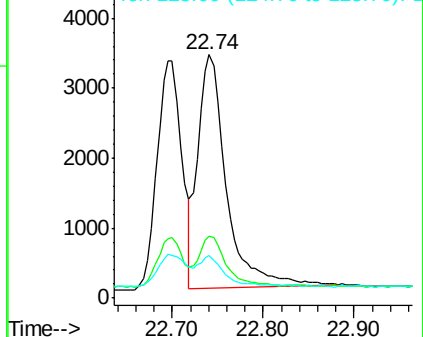
125 17.4 9.1 13.7#

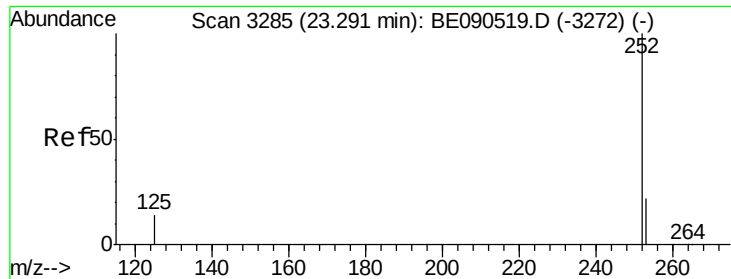


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.12 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

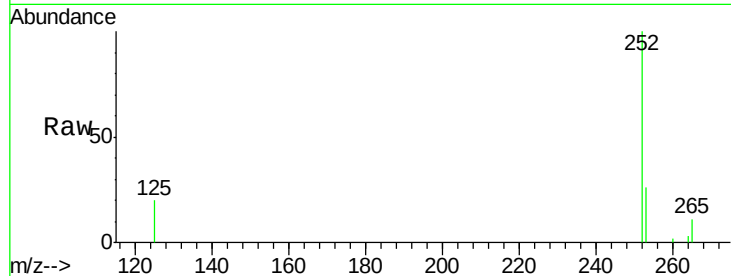
Tot Ion:252 Resp: 5854

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

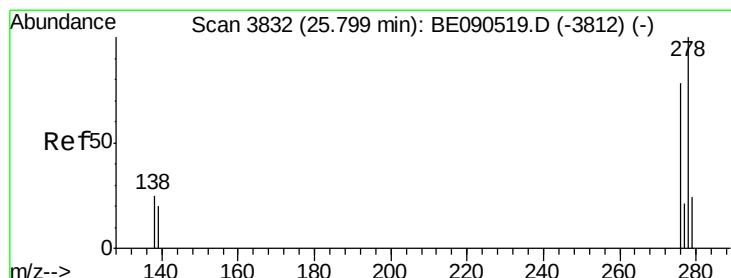
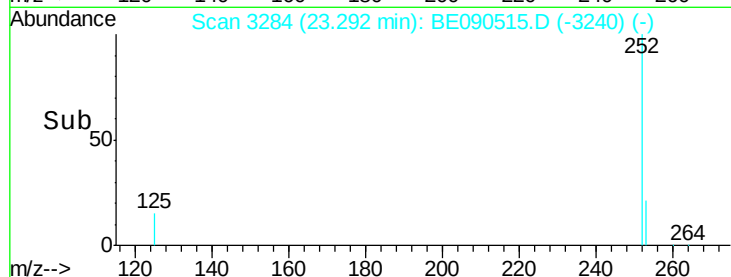
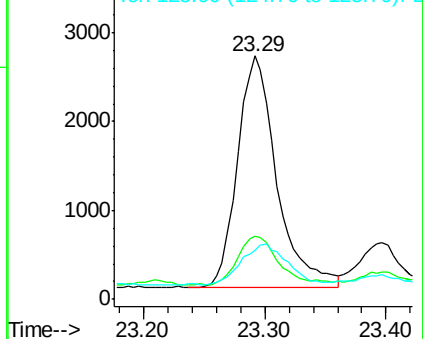
125 20.2 9.8 14.6#



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

Dibenzo(a,h)anthracene

Concen: 0.12 ng

RT: 25.80 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

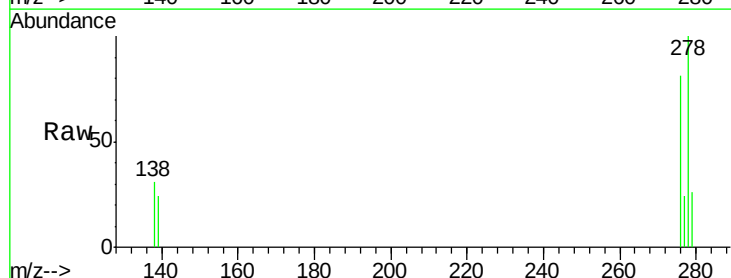
Tgt Ion:278 Resp: 5572

Ion Ratio Lower Upper

278 100

139 24.1 14.2 21.4#

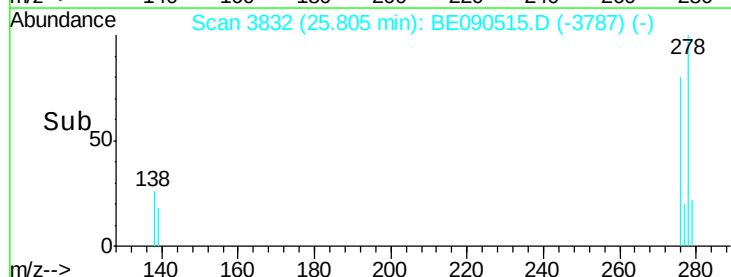
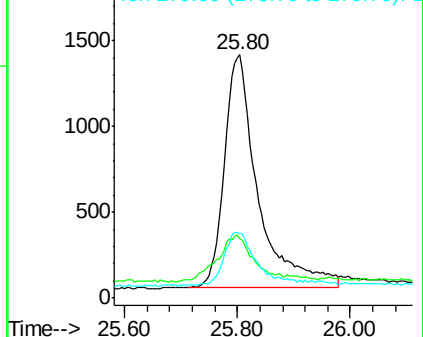
279 26.3 20.1 30.1

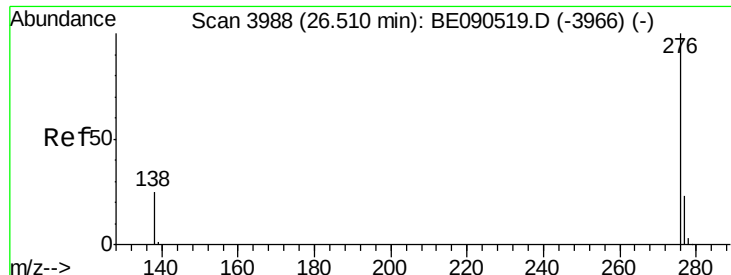


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.12 ng

RT: 26.50 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BE090515.D

Acq: 14 Aug 2015 11:42

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

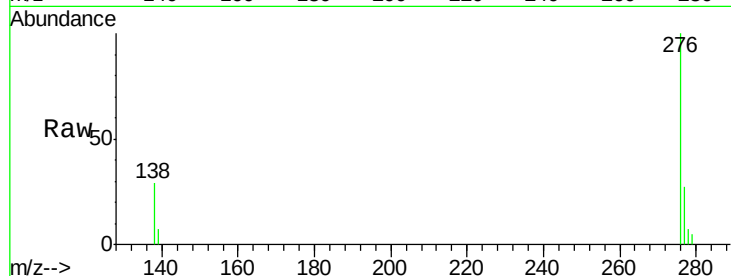
Tot Ion:276 Resp: 6165

Ion Ratio Lower Upper

276 100

277 26.7 20.1 30.1

138 29.4 18.1 27.1#



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

