

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\  
 Data File : BE090392.D  
 Acq On : 6 Aug 2015 16:36  
 Operator : TP/UM  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC001EC

Quant Time: Aug 06 18:19:54 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:28:08 2015  
 Response via : Initial Calibration

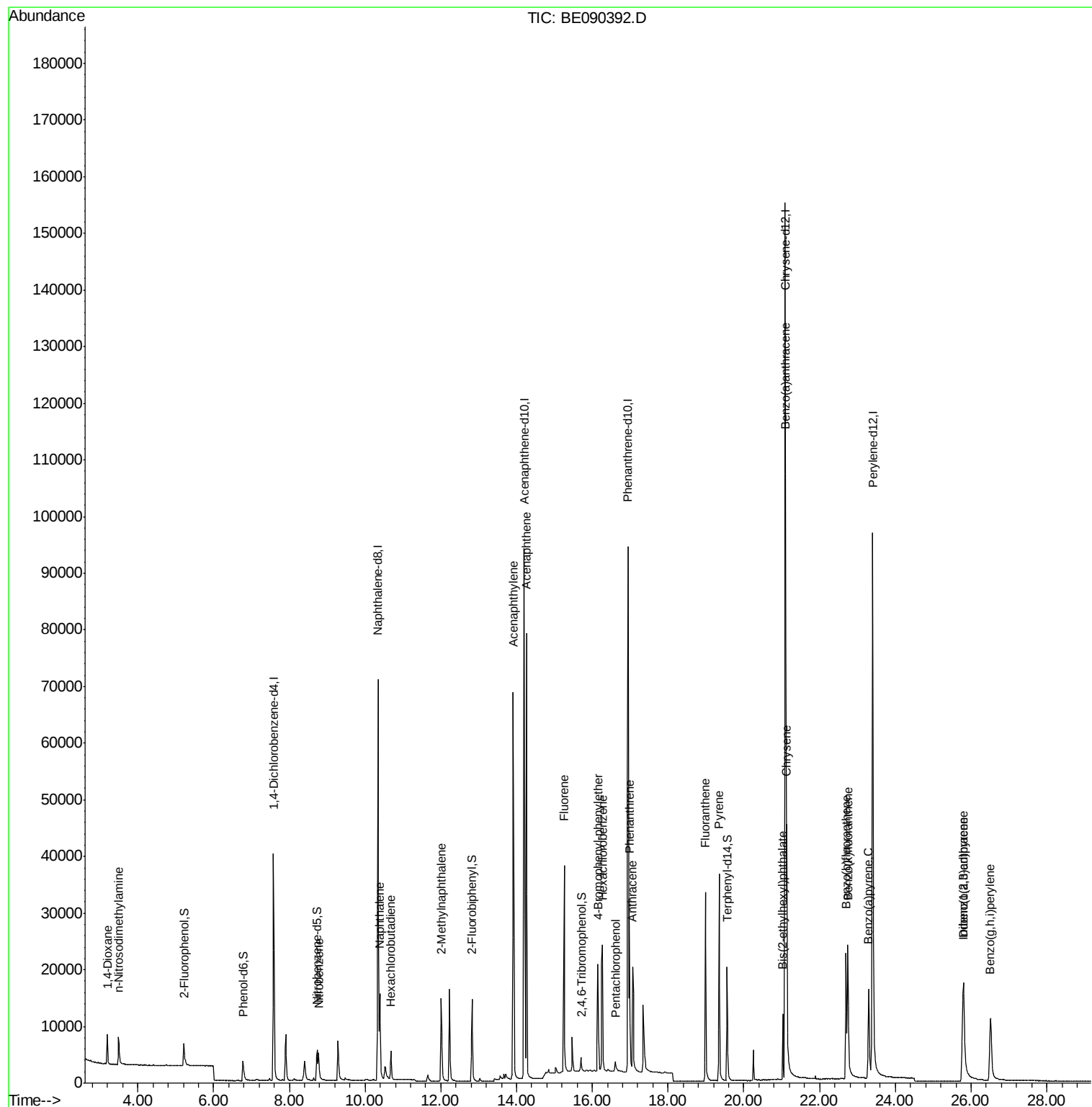
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 21747    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.34 | 136  | 97209    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.20 | 164  | 55301    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 131596   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.10 | 240  | 155783   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 143444   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.22  | 112  | 4402     | 1.35 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.77  | 99   | 6237     | 1.10 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.73  | 82   | 6669     | 1.01 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 1433     | 1.46 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.82 | 172  | 16165    | 1.06 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.56 | 244  | 24697    | 1.08 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.20  | 88   | 3147     | 1.12 | ng    | 96       |
| 3) n-Nitrosodimethylamine      | 3.49  | 42   | 3409     | 1.01 | ng    | # 79     |
| 8) Nitrobenzene                | 8.77  | 77   | 7024     | 1.00 | ng    | 99       |
| 9) Naphthalene                 | 10.39 | 128  | 21467    | 1.00 | ng    | 98       |
| 10) Hexachlorobutadiene        | 10.69 | 225  | 3693     | 1.08 | ng    | 100      |
| 11) 2-Methylnaphthalene        | 12.01 | 142  | 13372    | 1.07 | ng    | 97       |
| 15) Acenaphthylene             | 13.91 | 152  | 95080    | 1.06 | ng    | 100      |
| 16) Acenaphthene               | 14.26 | 154  | 14034    | 1.01 | ng    | 92       |
| 17) Fluorene                   | 15.26 | 166  | 18079    | 1.00 | ng    | 100      |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248  | 5390     | 1.05 | ng    | 98       |
| 20) Hexachlorobenzene          | 16.27 | 284  | 25845    | 0.98 | ng    | 99       |
| 21) Pentachlorophenol          | 16.61 | 266  | 1515     | 1.56 | ng    | 96       |
| 22) Phenanthrene               | 16.98 | 178  | 32182    | 0.98 | ng    | 100      |
| 23) Anthracene                 | 17.07 | 178  | 27985    | 1.03 | ng    | 100      |
| 24) Fluoranthene               | 18.99 | 202  | 34697    | 1.07 | ng    | 100      |
| 26) Pyrene                     | 19.35 | 202  | 35916    | 1.06 | ng    | 100      |
| 28) Benzo(a)anthracene         | 21.08 | 228  | 35858    | 1.04 | ng    | 99       |
| 29) Chrysene                   | 21.14 | 228  | 41808    | 1.00 | ng    | 99       |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 9984     | 1.21 | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.79 | 276  | 31448    | 1.05 | ng    | 98       |
| 33) Benzo(b)fluoranthene       | 22.70 | 252  | 30772    | 1.11 | ng    | 99       |
| 34) Benzo(k)fluoranthene       | 22.75 | 252  | 37599    | 0.94 | ng    | 98       |
| 35) Benzo(a)pyrene             | 23.30 | 252  | 26974    | 1.07 | ng    | 100      |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278  | 24077    | 1.04 | ng    | 97       |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276  | 29068    | 1.10 | ng    | 98       |

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

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Instrument :  
BNA\_E  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

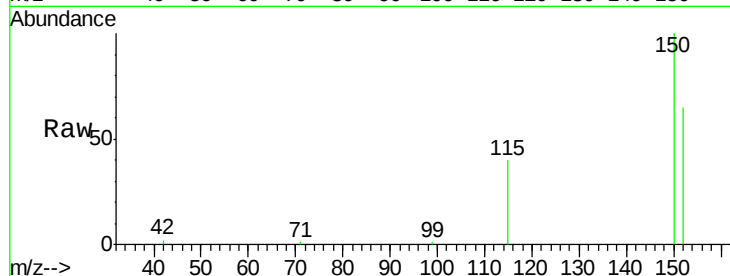
Tot Ion:152 Resp: 21747

Ion Ratio Lower Upper

152 100

150 152.7 123.0 184.4

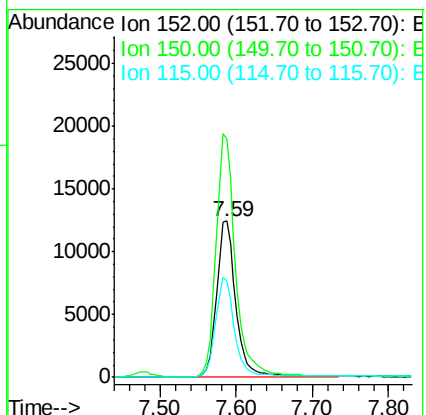
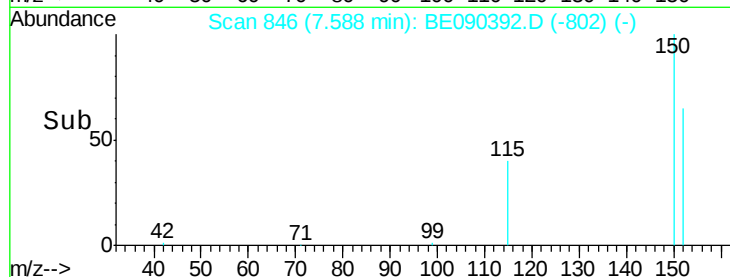
115 61.4 48.9 73.3



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: 1.12 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

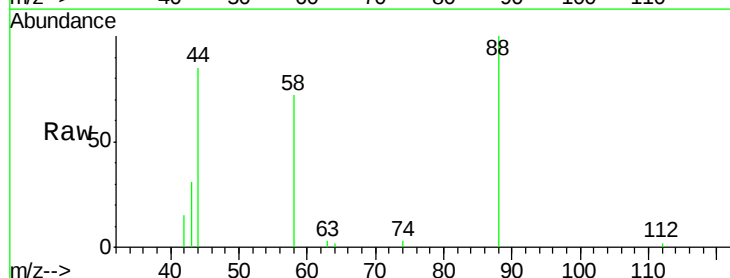
Tgt Ion: 88 Resp: 3147

Ion Ratio Lower Upper

88 100

58 84.0 70.0 105.0

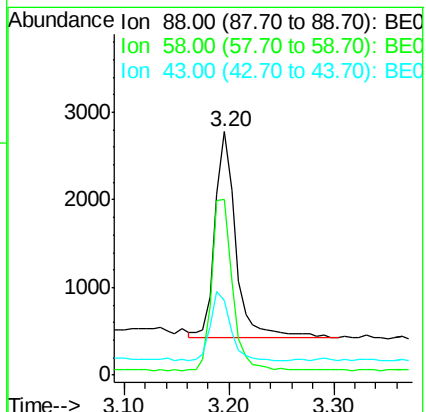
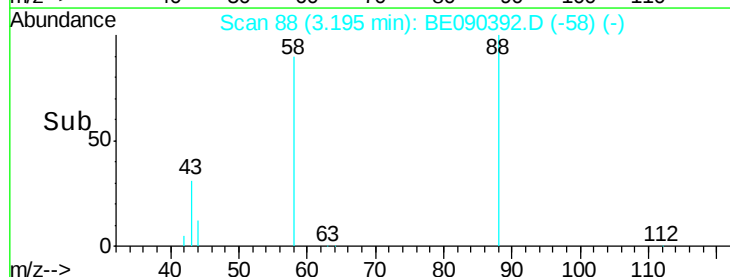
43 32.3 28.4 42.6



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: 1.01 ng

RT: 3.49 min Scan# 132

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

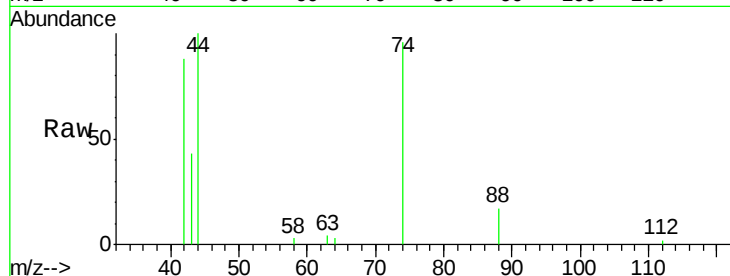
Tot Ion: 42 Resp: 3409

Ion Ratio Lower Upper

42 100

74 115.7 75.2 112.8#

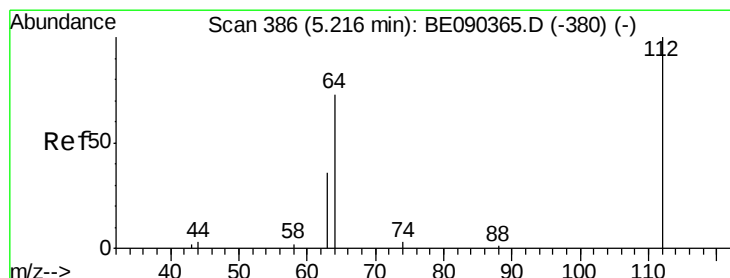
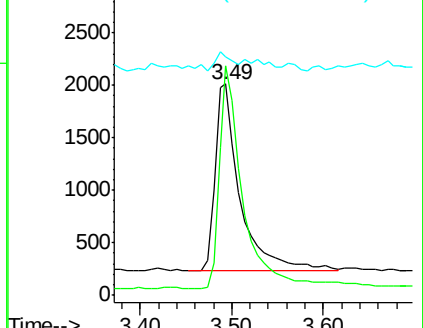
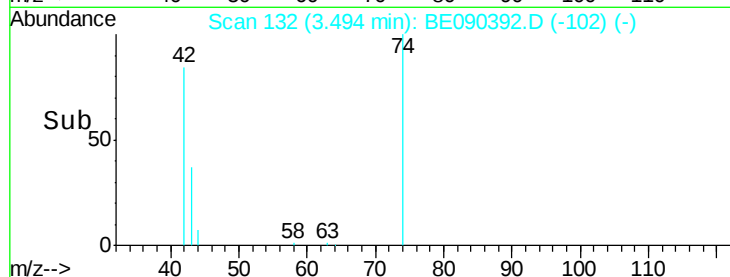
44 6.8 8.7 13.1#



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: 1.35 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

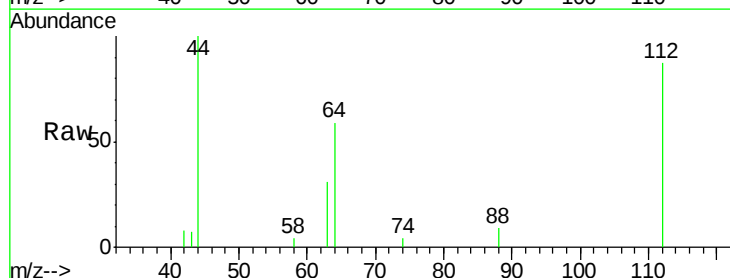
Tgt Ion: 112 Resp: 4402

Ion Ratio Lower Upper

112 100

64 68.9 37.1 55.7#

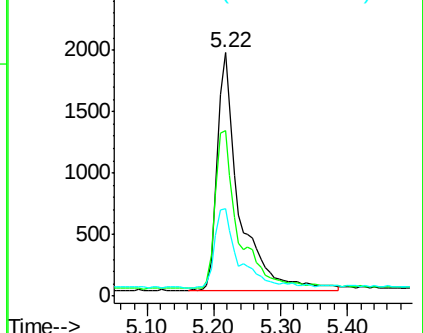
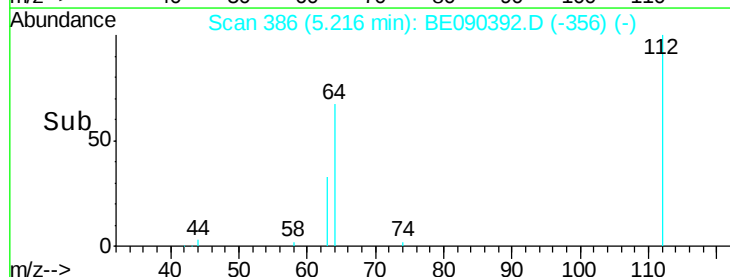
63 36.2 19.5 29.3#



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: 1.10 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

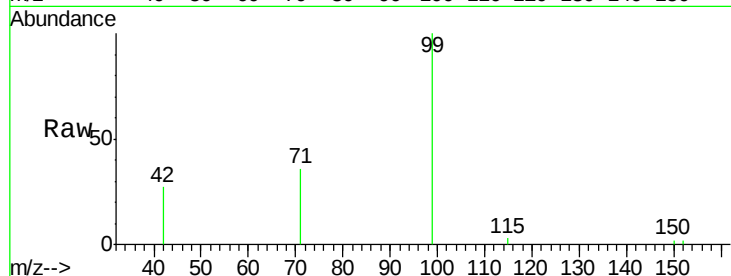
Tot Ion: 99 Resp: 6237

Ion Ratio Lower Upper

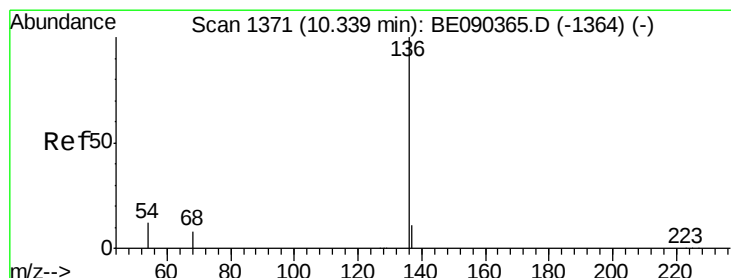
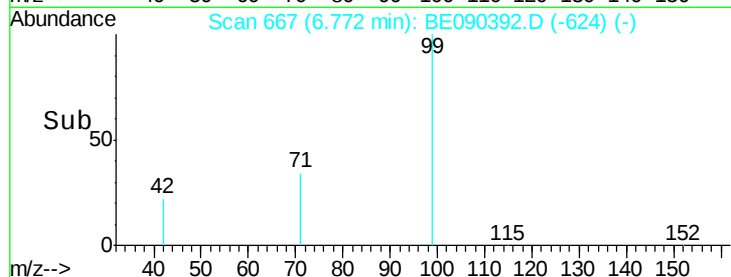
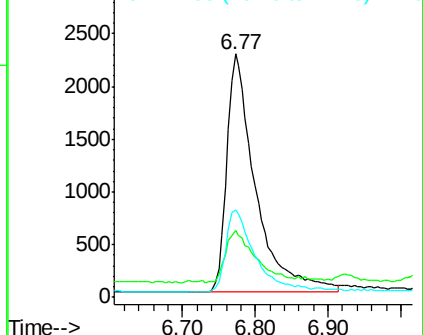
99 100

42 22.6 18.2 27.4

71 34.5 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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Tgt Ion: 136 Resp: 97209

Ion Ratio Lower Upper

136 100

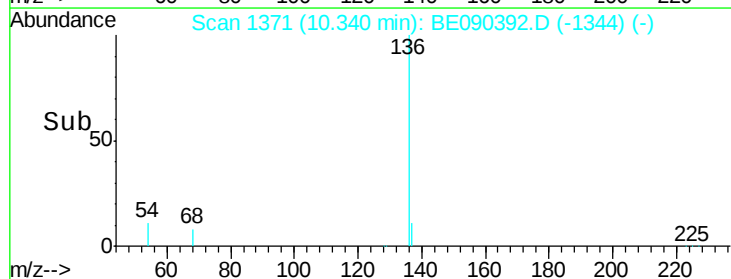
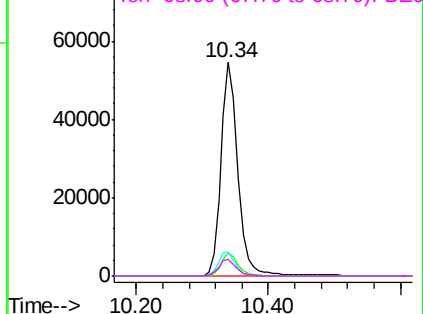
137 10.9 8.7 13.1

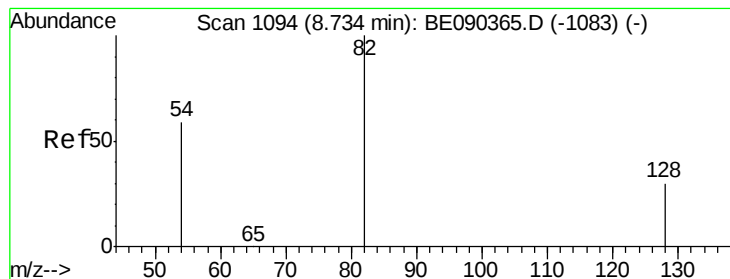
54 11.3 9.4 14.0

68 7.8 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: 1.01 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

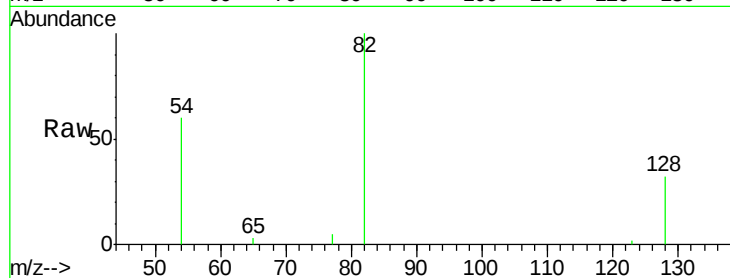
Tot Ion: 82 Resp: 6669

Ion Ratio Lower Upper

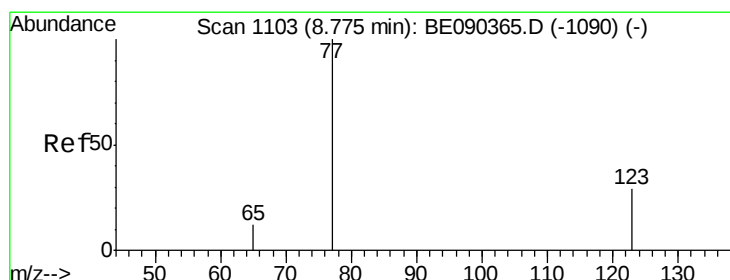
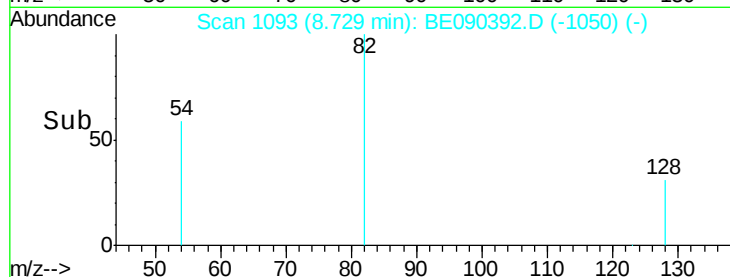
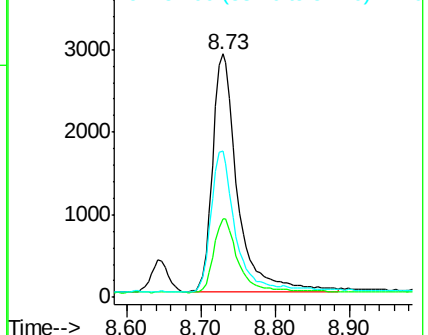
82 100

128 32.0 25.0 37.6

54 60.0 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: 1.00 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

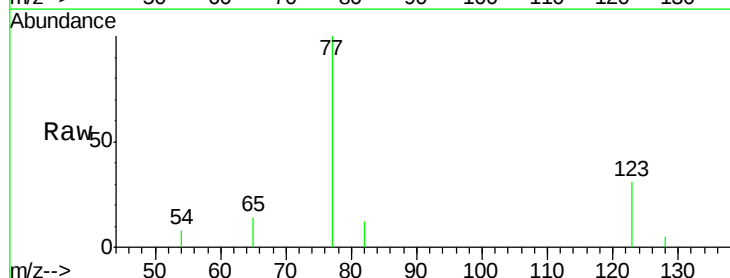
Tgt Ion: 77 Resp: 7024

Ion Ratio Lower Upper

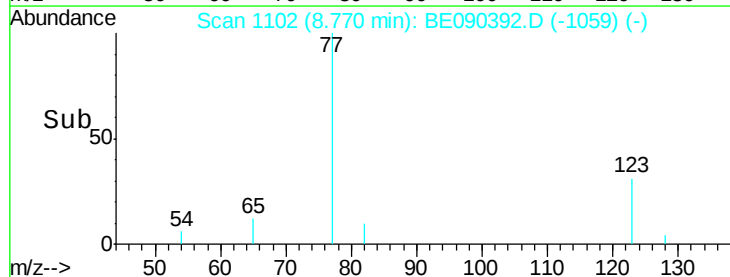
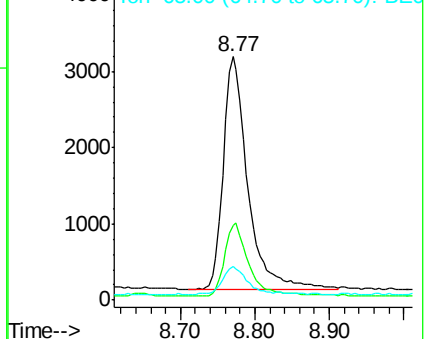
77 100

123 30.9 25.1 37.7

65 12.0 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: 1.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

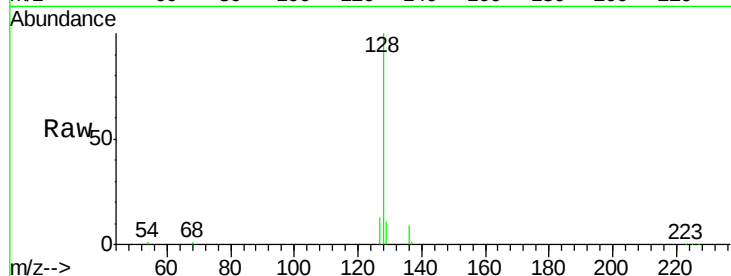
Tot Ion:128 Resp: 21467

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.6

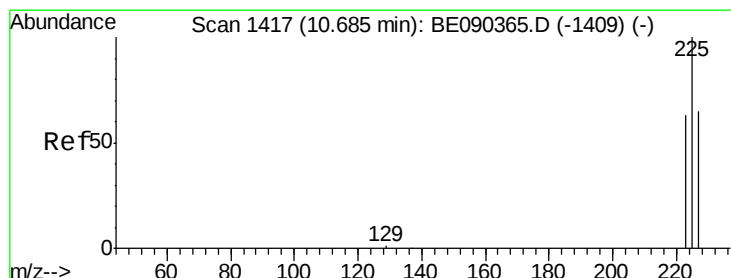
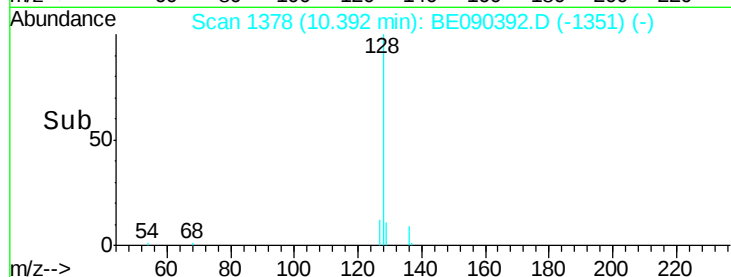
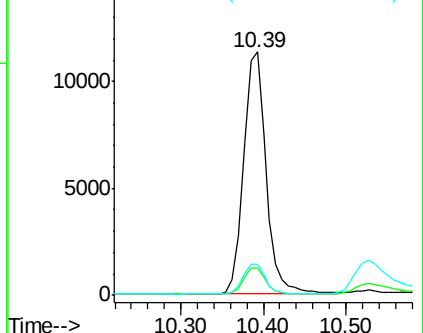
127 12.8 10.6 16.0



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: 1.08 ng

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

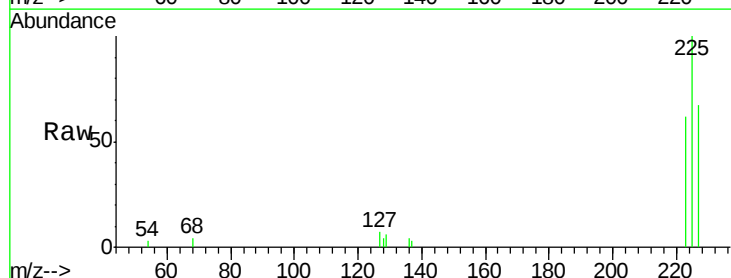
Tgt Ion:225 Resp: 3693

Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

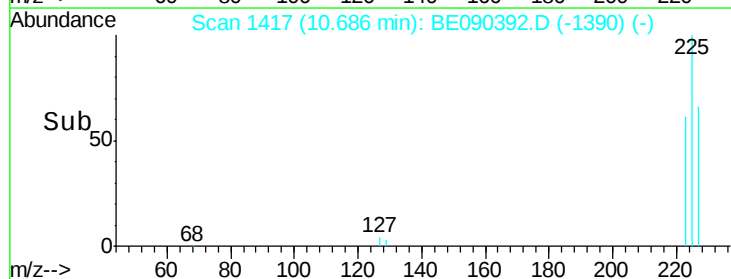
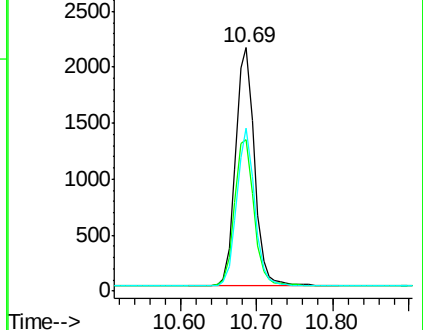
227 63.2 50.7 76.1



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

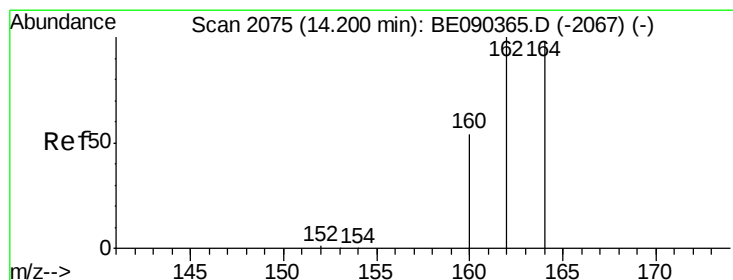
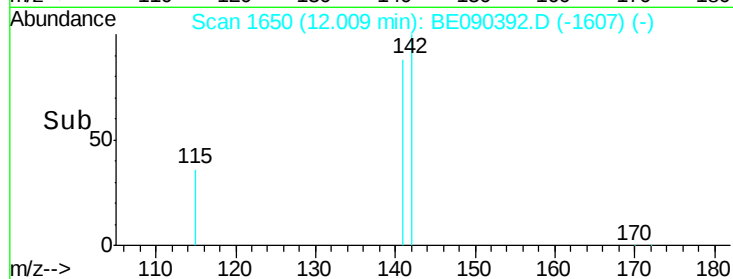
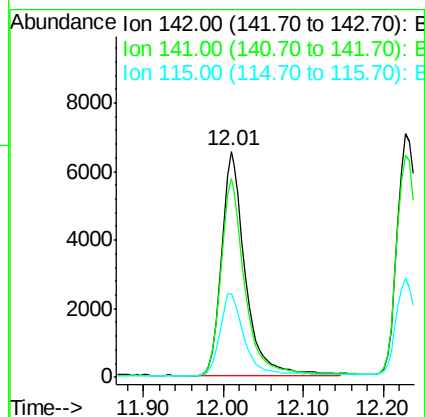
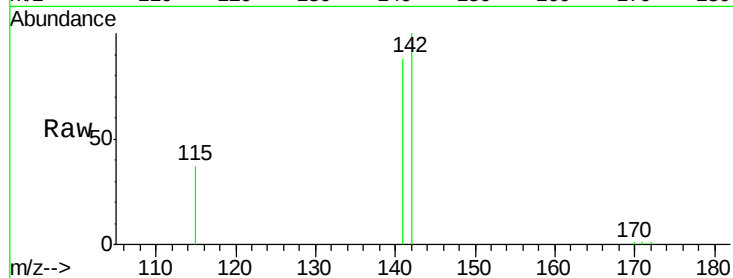




#11  
2-Methylnaphthalene  
Concen: 1.07 ng  
RT: 12.01 min Scan# 1650  
Delta R.T. -0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

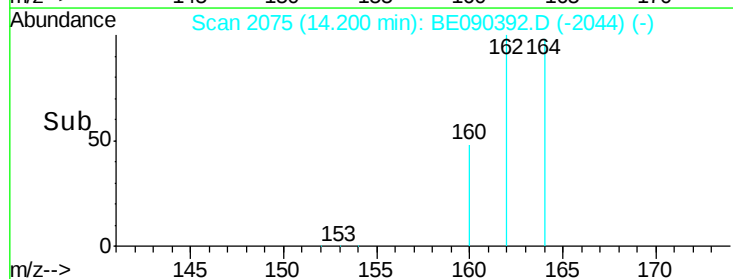
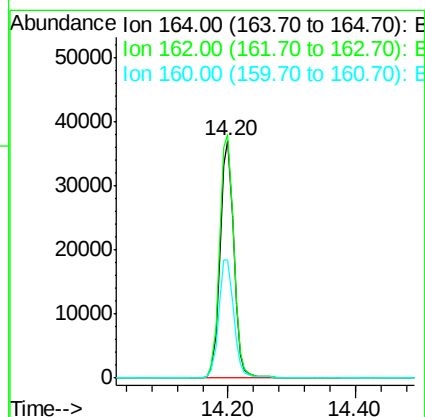
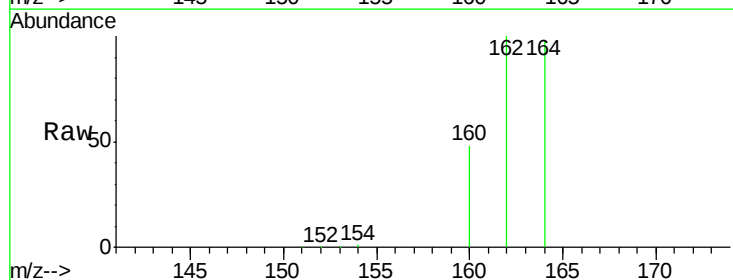
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:142 Resp: 13372  
Ion Ratio Lower Upper  
142 100  
141 87.9 72.6 109.0  
115 37.0 31.6 47.4



#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.20 min Scan# 2075  
Delta R.T. 0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

Tgt Ion:164 Resp: 55301  
Ion Ratio Lower Upper  
164 100  
162 102.5 81.8 122.8  
160 49.7 44.2 66.4

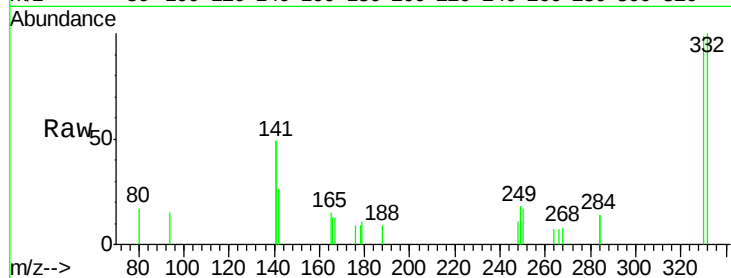




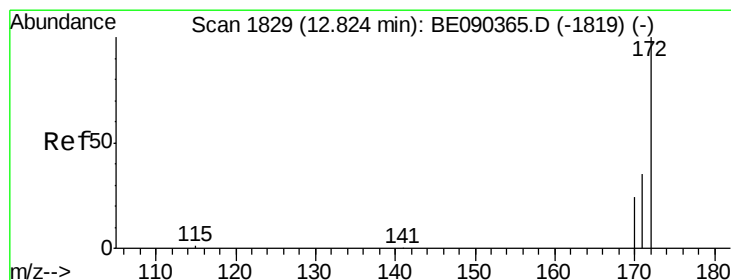
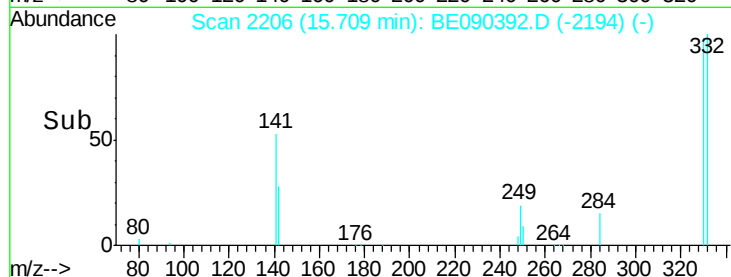
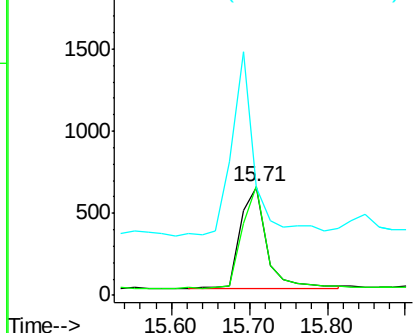
#13  
 2,4,6-Tribromophenol  
 Concen: 1.46 ng  
 RT: 15.71 min Scan# 2206  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC001EC

Tot Ion:330 Resp: 1433  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 75.8 113.6  
 141 160.4 114.4 171.6

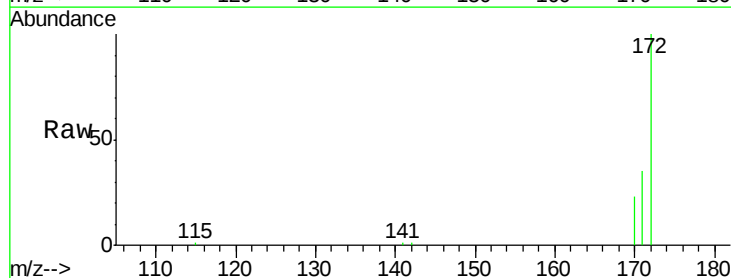


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

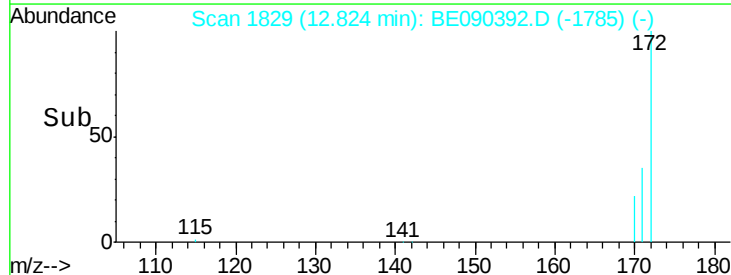
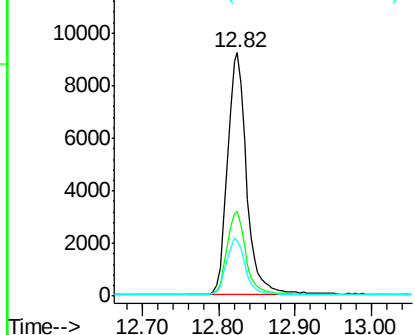


#14  
 2-Fluorobiphenyl  
 Concen: 1.06 ng  
 RT: 12.82 min Scan# 1829  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

Tgt Ion:172 Resp: 16165  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.5 42.7  
 170 22.7 19.8 29.8



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





#15

Acenaphthylene

Concen: 1.06 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

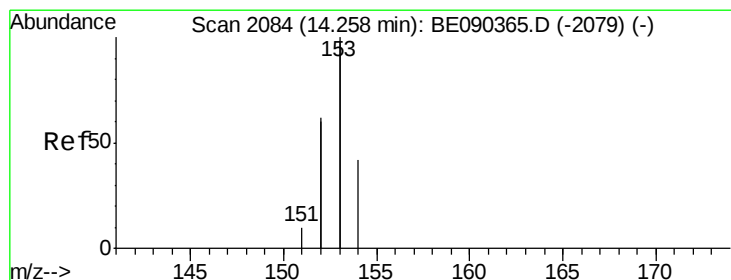
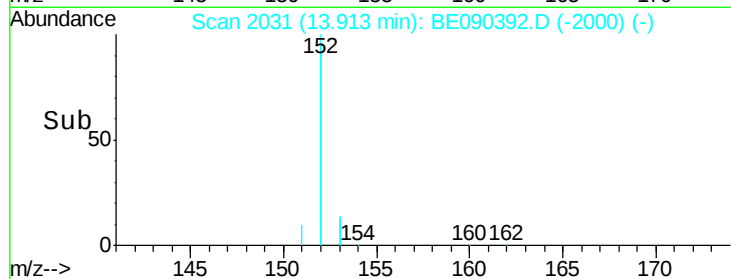
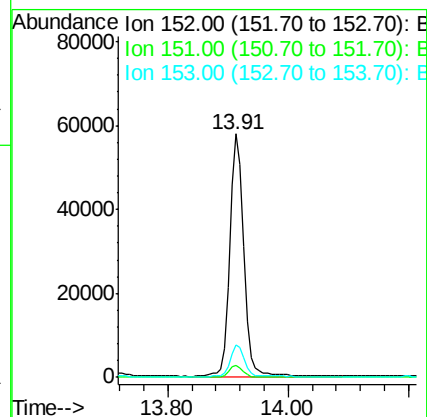
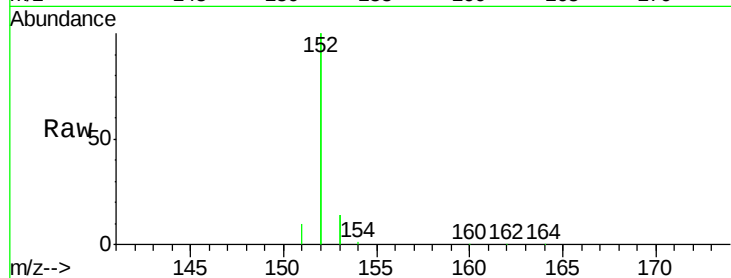
Tot Ion:152 Resp: 95080

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

153 13.0 10.3 15.5



#16

Acenaphthene

Concen: 1.01 ng

RT: 14.26 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

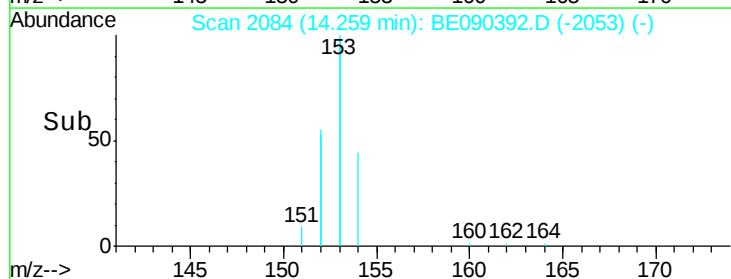
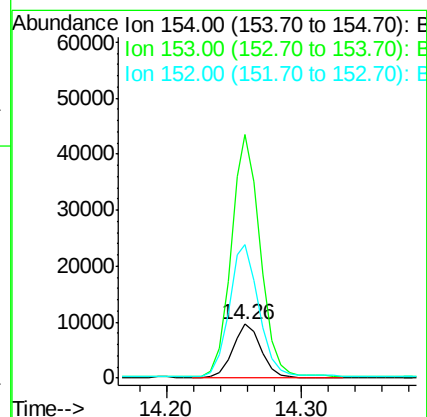
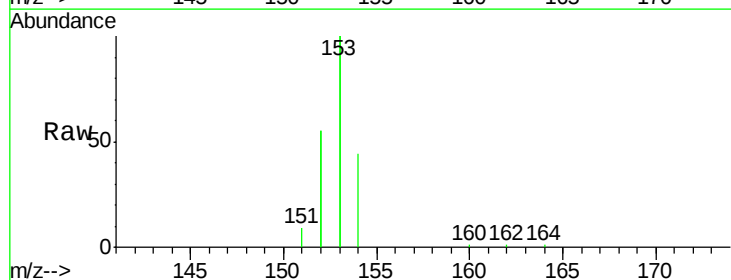
Tgt Ion:154 Resp: 14034

Ion Ratio Lower Upper

154 100

153 464.4 376.2 564.2

152 261.5 235.0 352.4

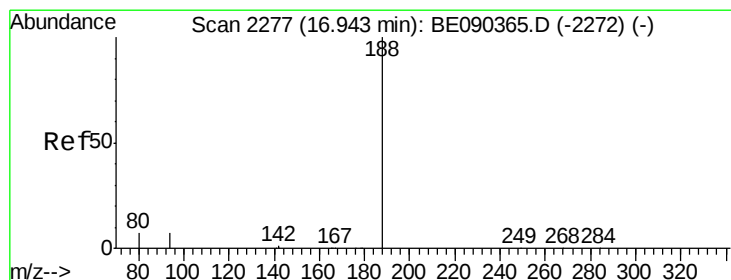
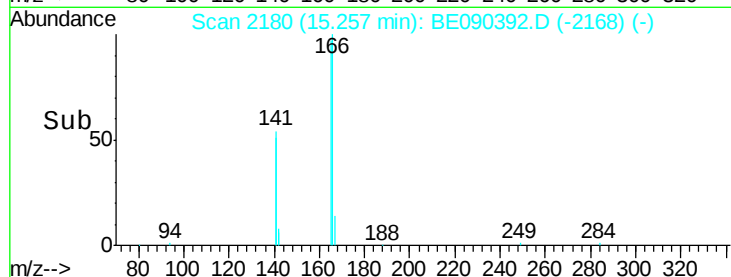
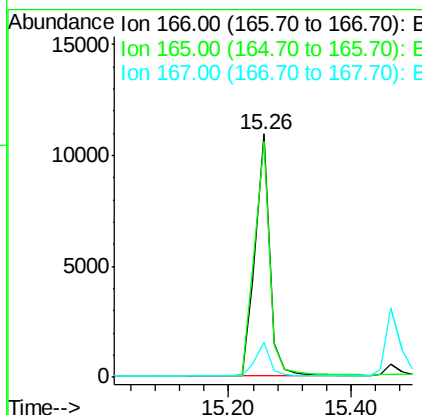
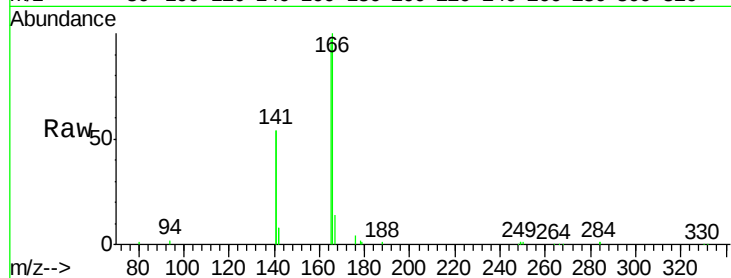




#17  
**Fluorene**  
 Concen: 1.00 ng  
 RT: 15.26 min Scan# 2180  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

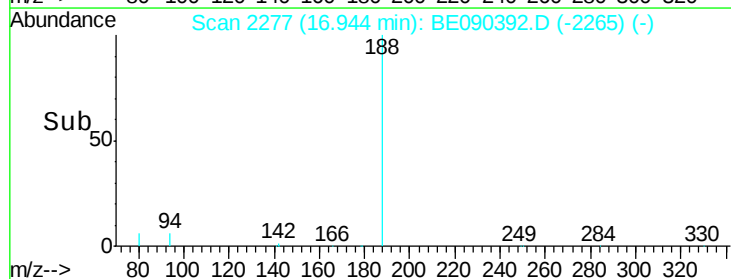
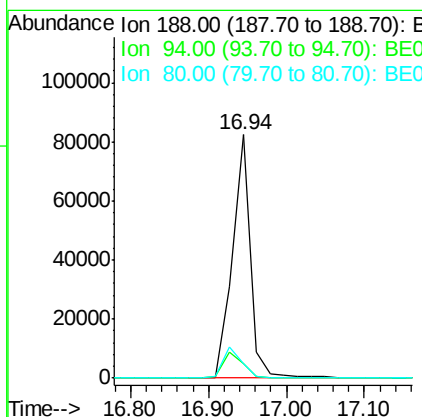
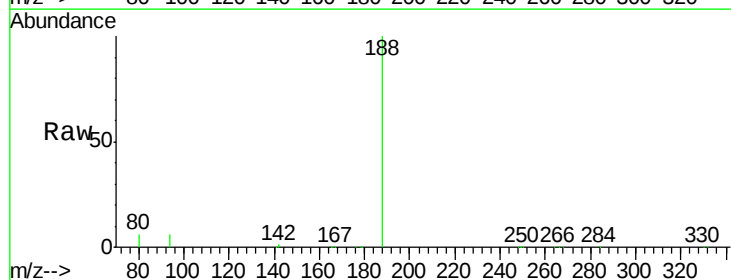
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC001EC

Tot Ion:166 Resp: 18079  
 Ion Ratio Lower Upper  
 166 100  
 165 101.9 81.5 122.3  
 167 14.5 11.4 17.0



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.94 min Scan# 2277  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

Tgt Ion:188 Resp: 131596  
 Ion Ratio Lower Upper  
 188 100  
 94 5.8 5.7 8.5  
 80 6.0 5.8 8.8

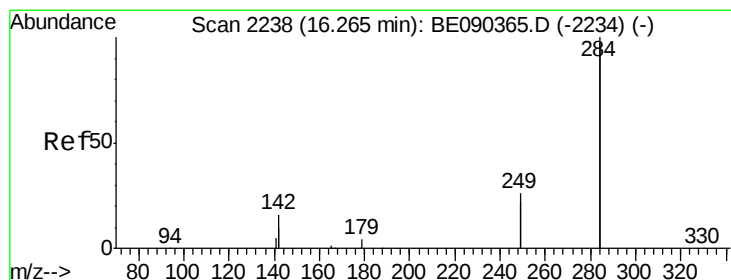
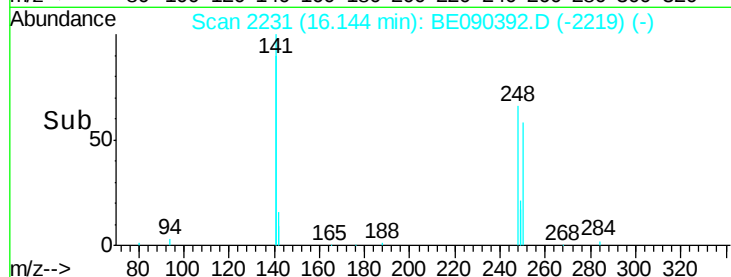
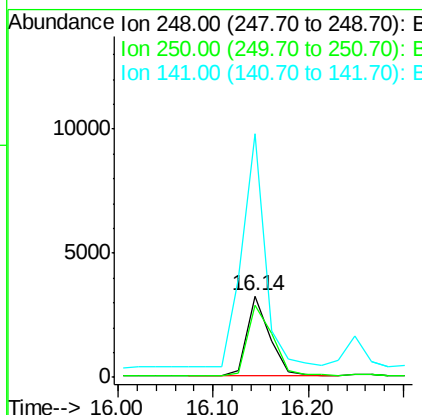
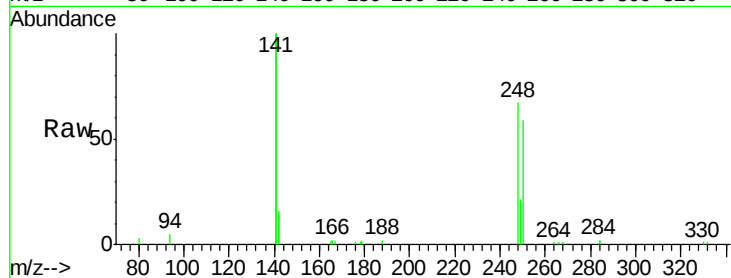




#19  
4-Bromophenyl-phenylether  
Concen: 1.05 ng  
RT: 16.14 min Scan# 2231  
Delta R.T. 0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

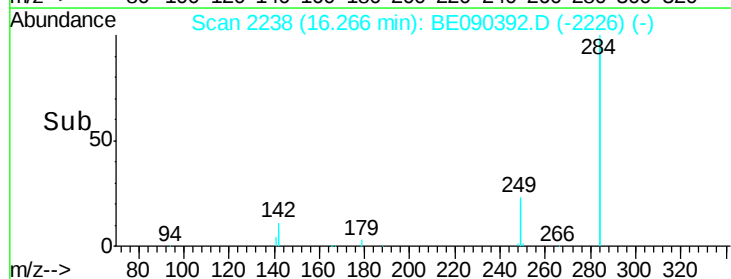
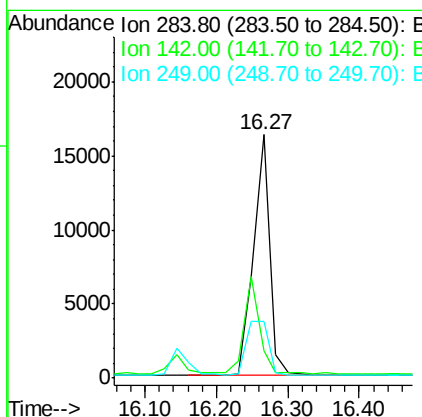
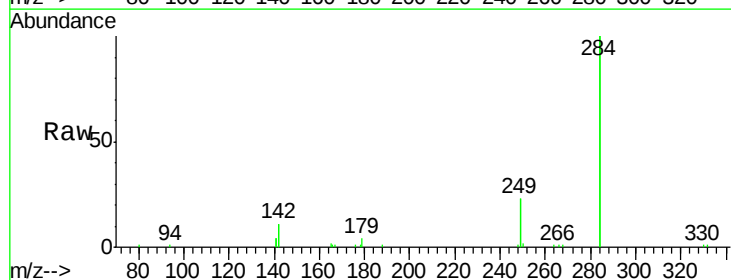
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC001EC

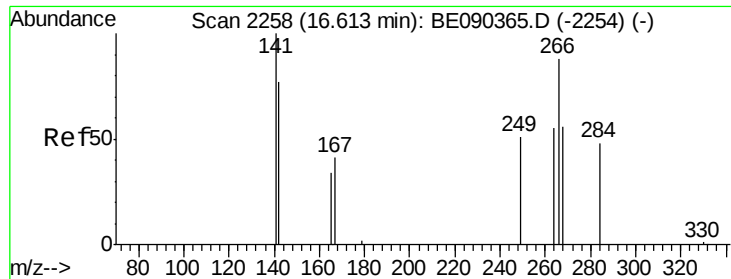
Tot Ion:248 Resp: 5390  
Ion Ratio Lower Upper  
248 100  
250 98.0 79.0 118.6  
141 295.5 239.5 359.3



#20  
Hexachlorobenzene  
Concen: 0.98 ng  
RT: 16.27 min Scan# 2238  
Delta R.T. 0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

Tgt Ion:284 Resp: 25845  
Ion Ratio Lower Upper  
284 100  
142 37.3 30.1 45.1  
249 30.7 25.7 38.5

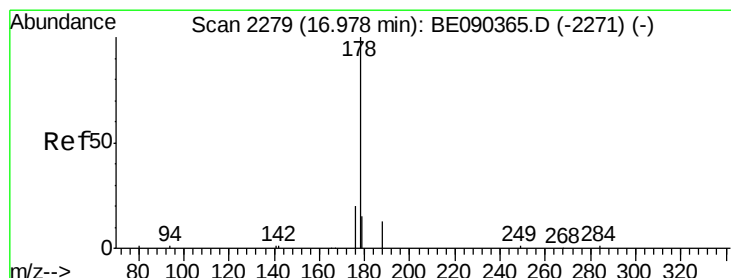
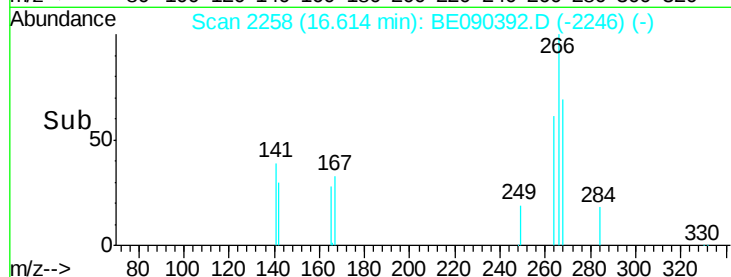
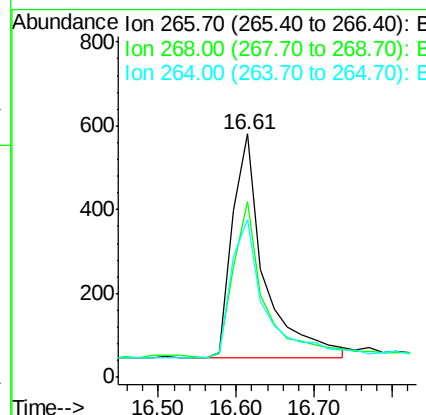
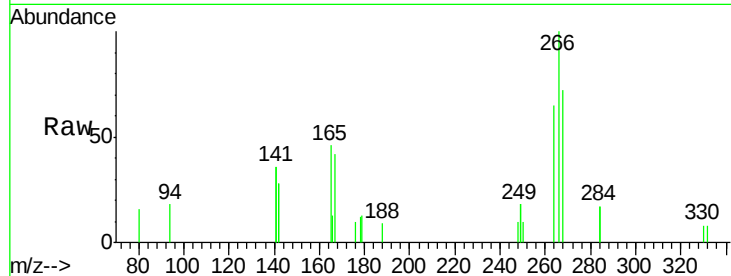




#21  
 Pentachlorophenol  
 Concen: 1.56 ng  
 RT: 16.61 min Scan# 2258  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

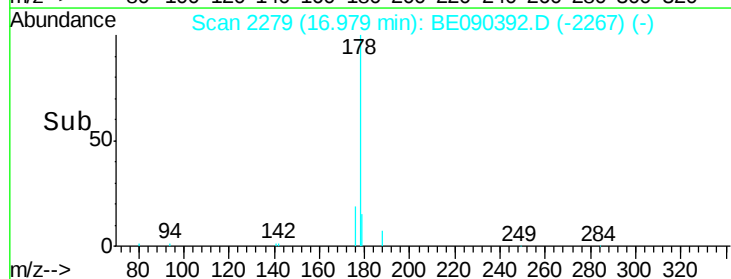
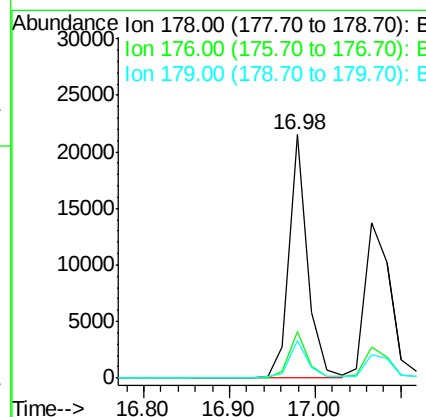
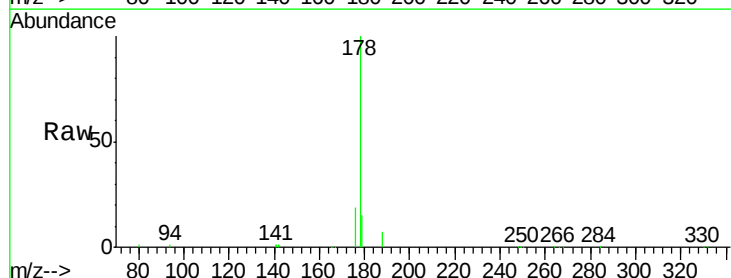
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC001EC

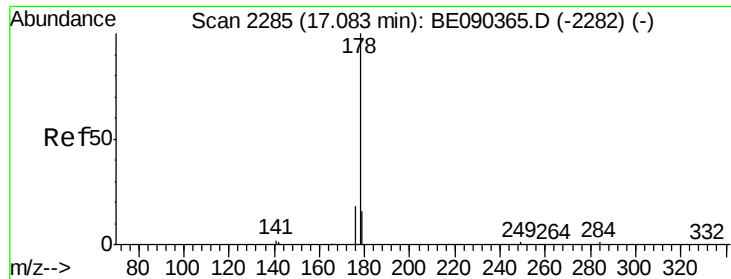
Tot Ion:266 Resp: 1515  
 Ion Ratio Lower Upper  
 266 100  
 268 72.1 58.5 87.7  
 264 65.1 56.0 84.0



#22  
 Phenanthrene  
 Concen: 0.98 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

Tgt Ion:178 Resp: 32182  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.4 23.2  
 179 15.5 12.5 18.7





#23

Anthracene

Concen: 1.03 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

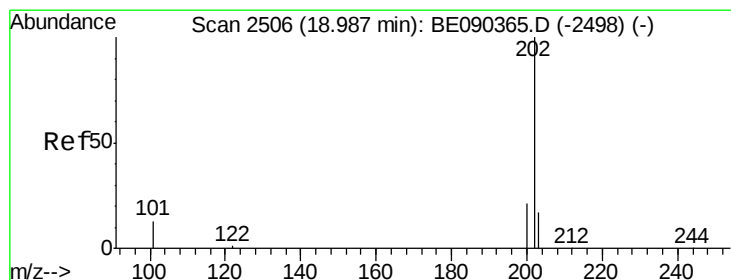
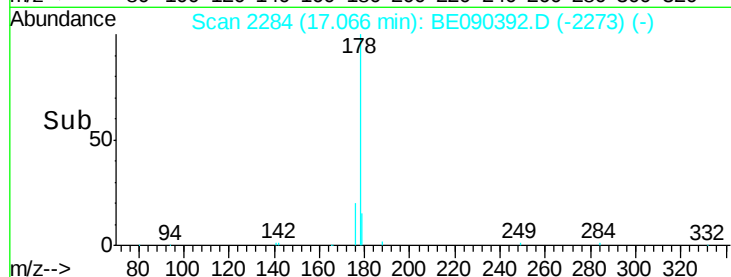
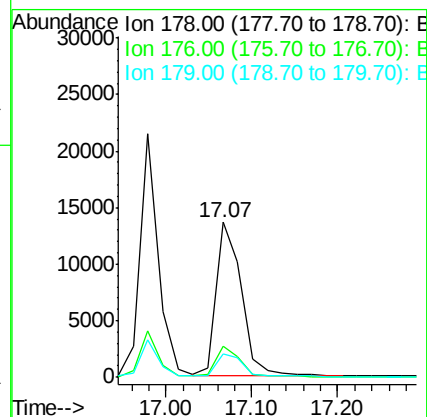
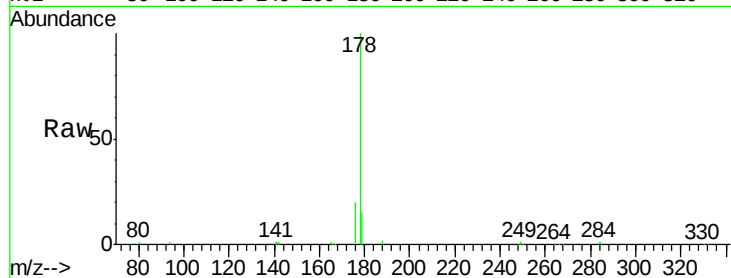
Tot Ion:178 Resp: 27985

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.1 12.2 18.4



#24

Fluoranthene

Concen: 1.07 ng

RT: 18.99 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

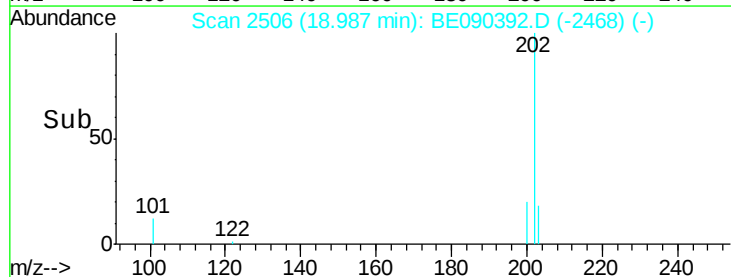
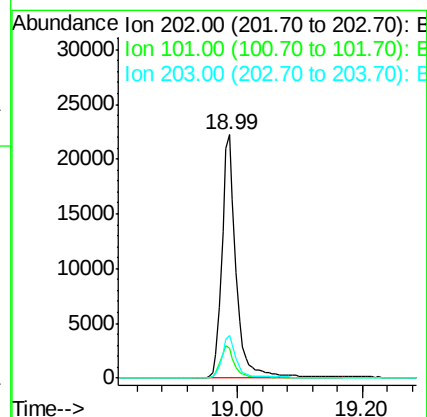
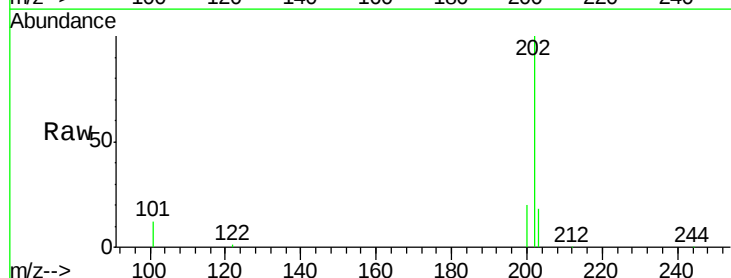
Tgt Ion:202 Resp: 34697

Ion Ratio Lower Upper

202 100

101 12.8 10.3 15.5

203 17.2 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

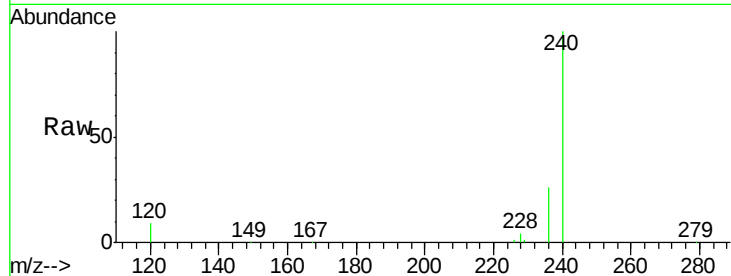
Tot Ion:240 Resp: 155783

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

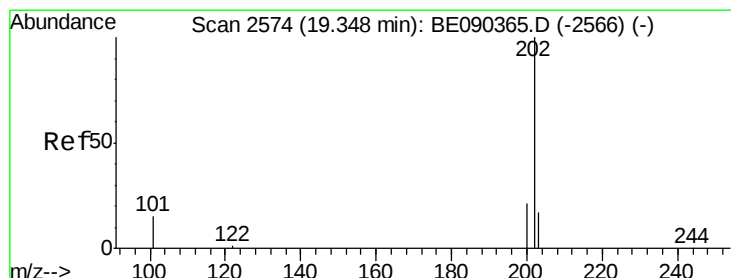
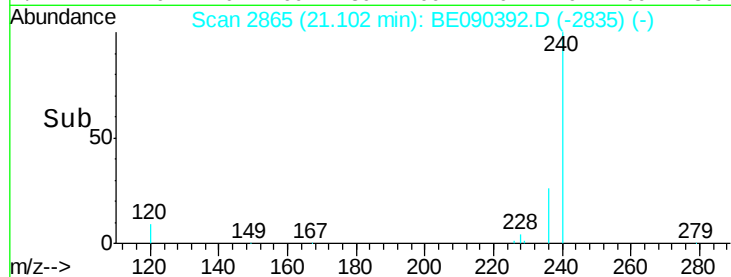
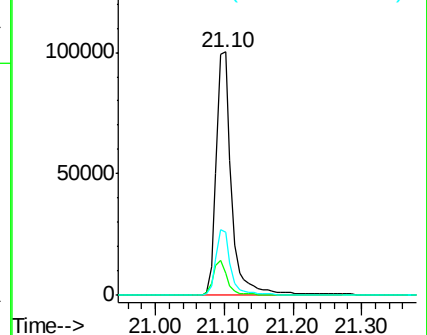
236 26.0 21.0 31.4



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: 1.06 ng

RT: 19.35 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

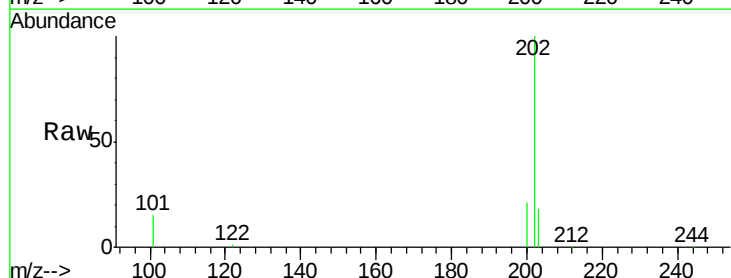
Tgt Ion:202 Resp: 35916

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

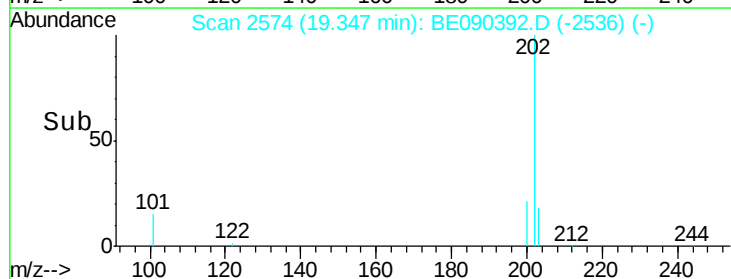
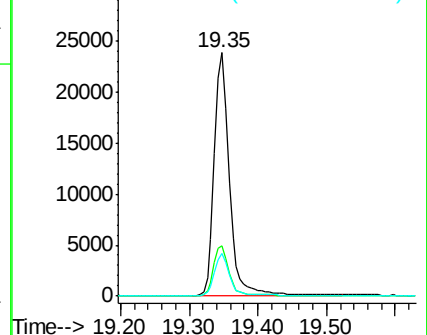
203 17.2 13.8 20.8



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

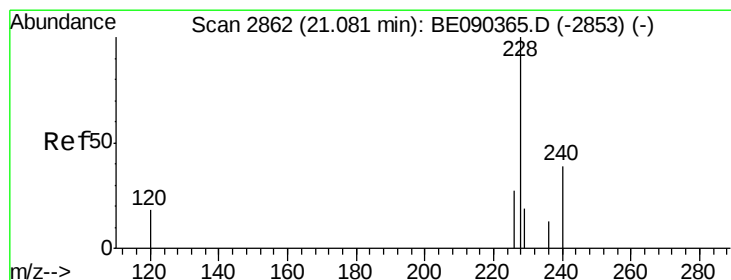
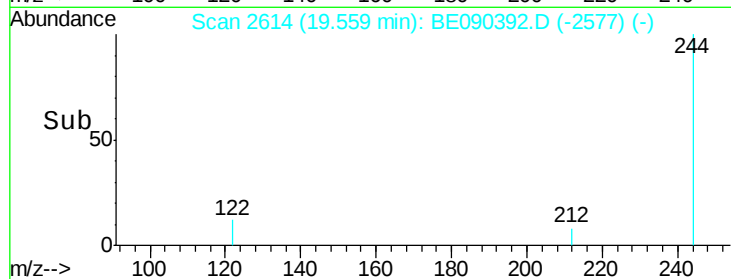
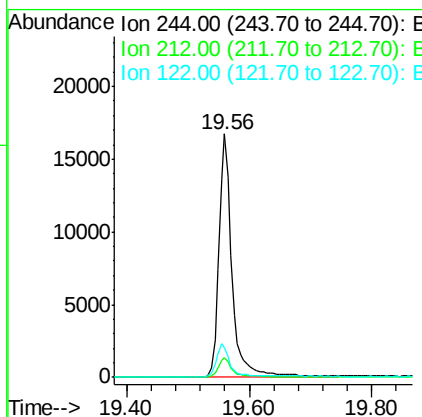
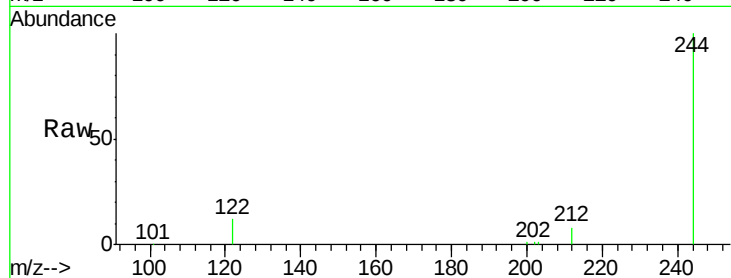




#27  
 Terphenyl-d14  
 Concen: 1.08 ng  
 RT: 19.56 min Scan# 2614  
 Delta R.T. -0.01 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

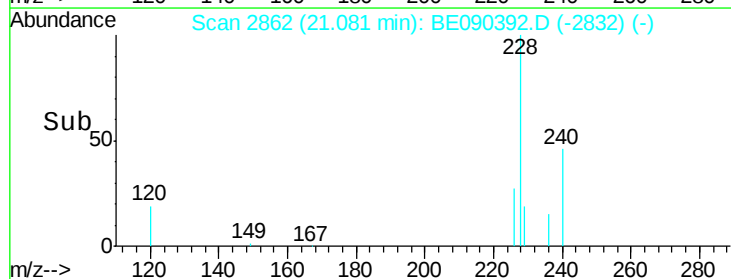
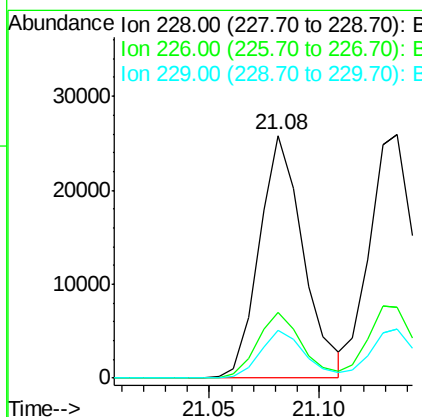
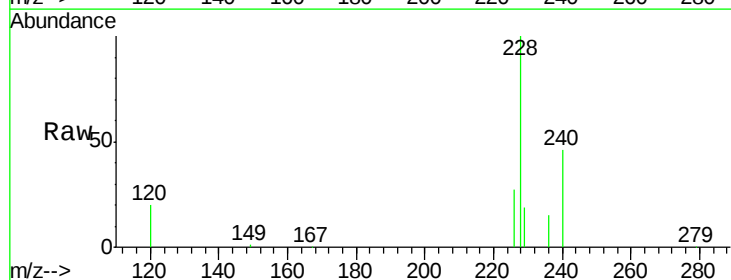
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC001EC

Tot Ion:244 Resp: 24697  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.6 9.8  
 122 12.5 10.2 15.4



#28  
 Benzo(a)anthracene  
 Concen: 1.04 ng  
 RT: 21.08 min Scan# 2862  
 Delta R.T. 0.00 min  
 Lab File: BE090392.D  
 Acq: 6 Aug 2015 16:36

Tgt Ion:228 Resp: 35858  
 Ion Ratio Lower Upper  
 228 100  
 226 27.0 21.9 32.9  
 229 19.5 15.4 23.0





#29

Chrysene

Concen: 1.00 ng

RT: 21.14 min Scan# 2870

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

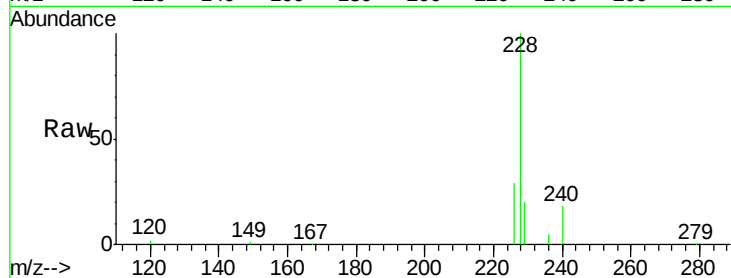
Tot Ion:228 Resp: 41808

Ion Ratio Lower Upper

228 100

226 29.1 23.1 34.7

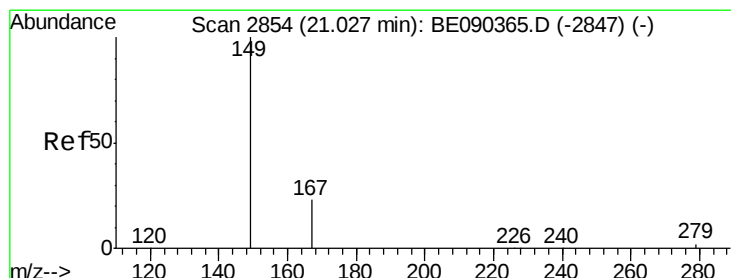
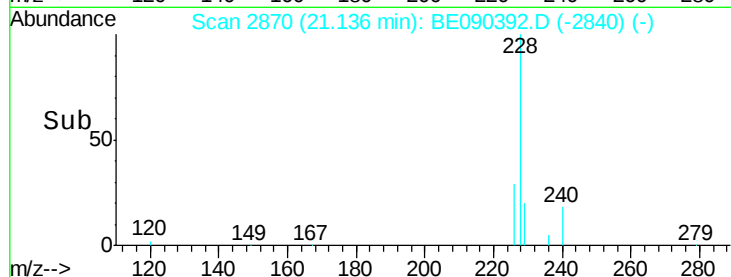
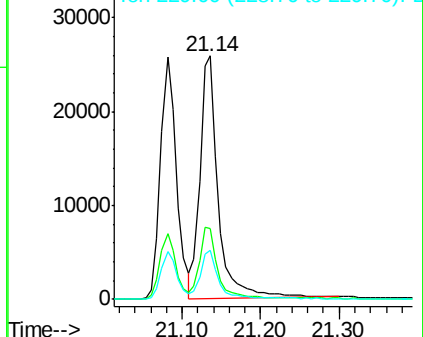
229 20.2 15.8 23.8



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: 1.21 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

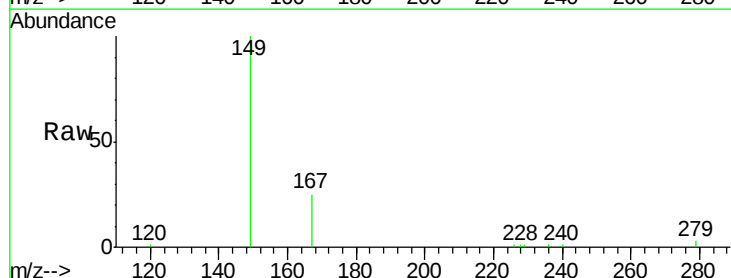
Tgt Ion:149 Resp: 9984

Ion Ratio Lower Upper

149 100

167 25.3 19.8 29.8

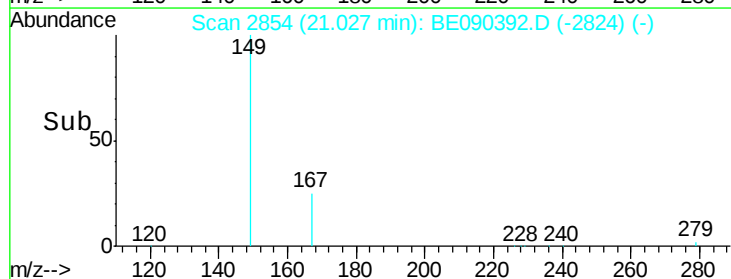
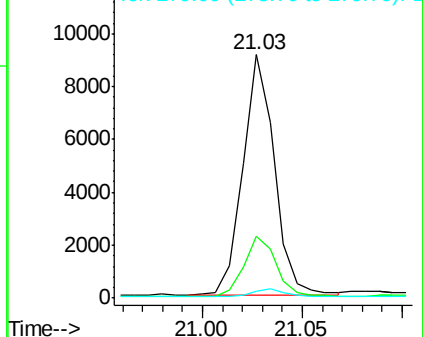
279 3.4 2.4 3.6



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

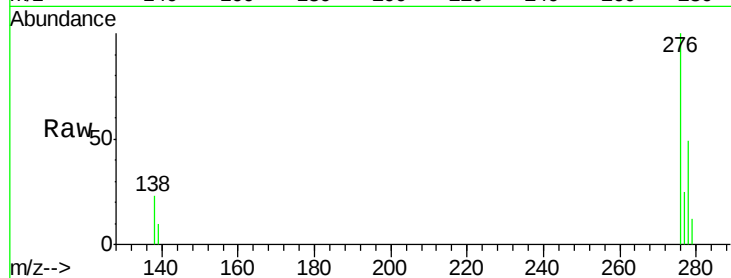




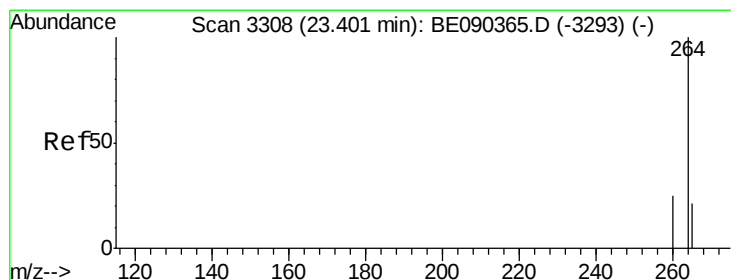
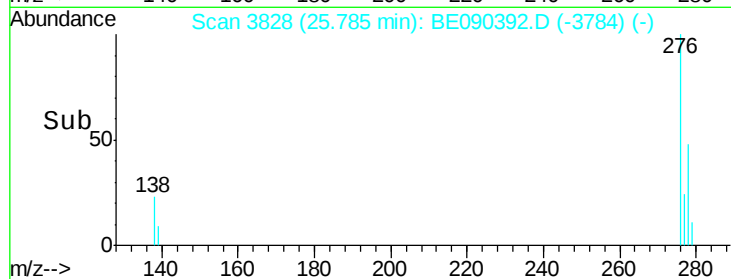
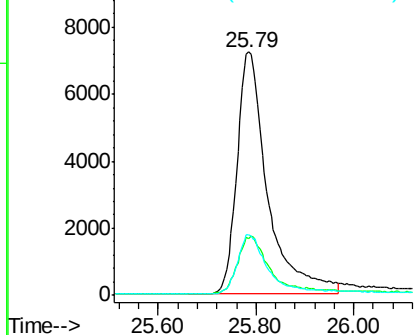
#31  
Indeno(1,2,3-cd)pyrene  
Concen: 1.05 ng  
RT: 25.79 min Scan# 3828  
Delta R.T. -0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:276 Resp: 31448  
Ion Ratio Lower Upper  
276 100  
138 24.5 18.8 28.2  
277 24.2 18.2 27.4

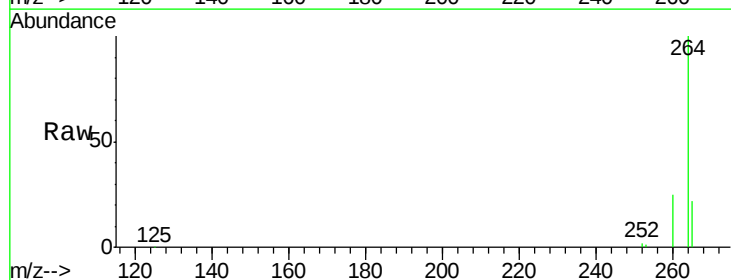


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

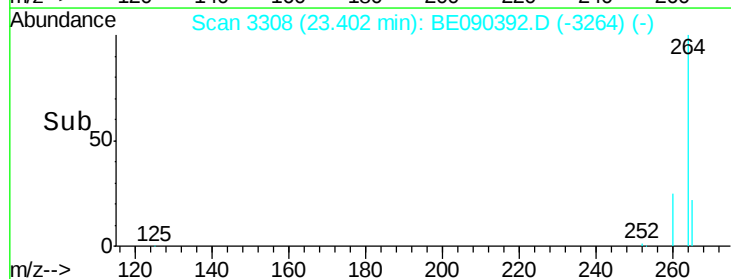
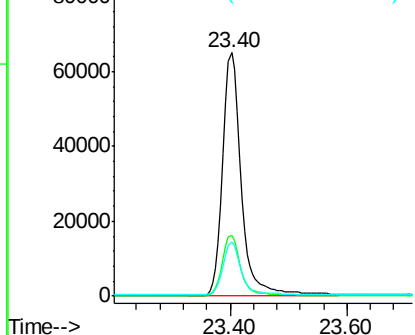


#32  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.40 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

Tgt Ion:264 Resp: 143444  
Ion Ratio Lower Upper  
264 100  
260 24.7 20.1 30.1  
265 22.1 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

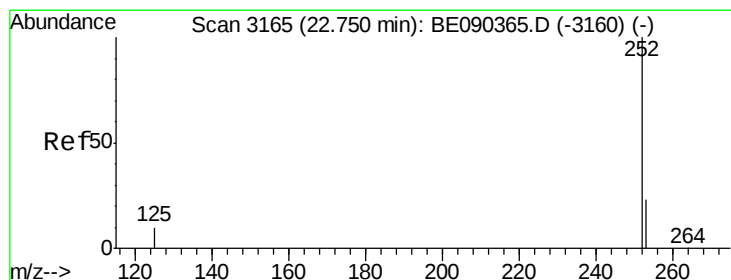
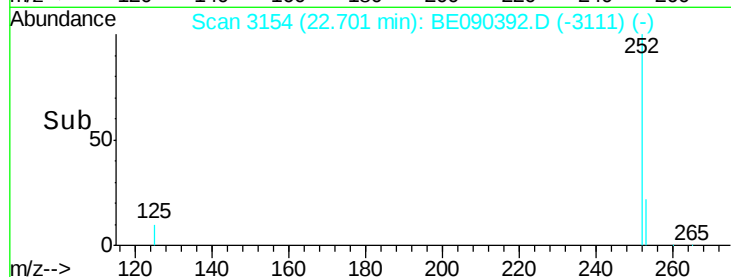
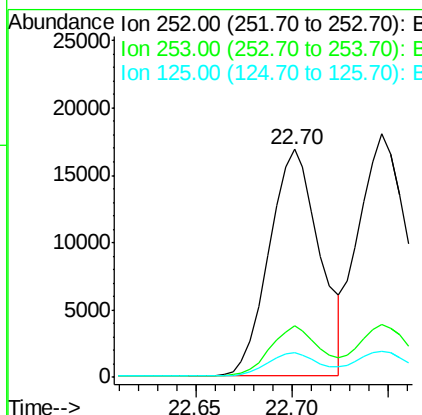
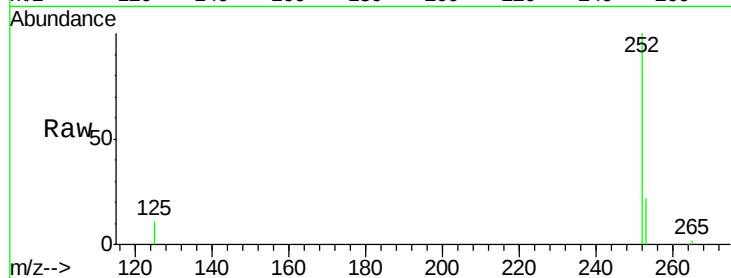




#33  
Benzo(b)fluoranthene  
Concen: 1.11 ng  
RT: 22.70 min Scan# 3154  
Delta R.T. -0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

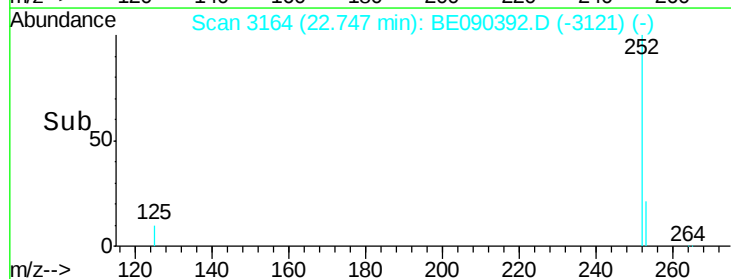
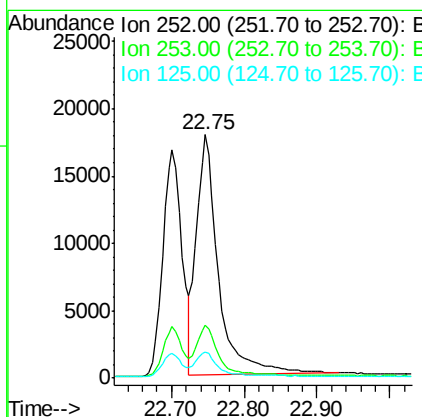
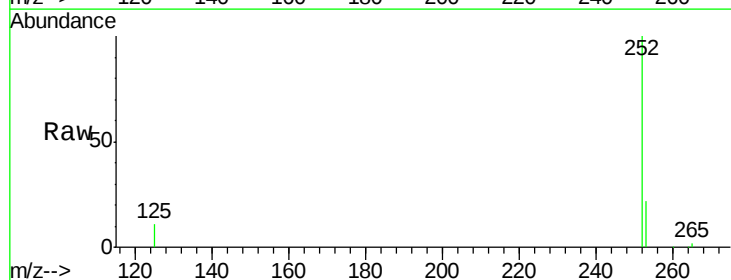
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:252 Resp: 30772  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.1 27.1  
125 10.9 9.4 14.2



#34  
Benzo(k)fluoranthene  
Concen: 0.94 ng  
RT: 22.75 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: BE090392.D  
Acq: 6 Aug 2015 16:36

Tgt Ion:252 Resp: 37599  
Ion Ratio Lower Upper  
252 100  
253 21.8 18.1 27.1  
125 10.8 9.1 13.7





#35

Benzo(a)pyrene

Concen: 1.07 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC

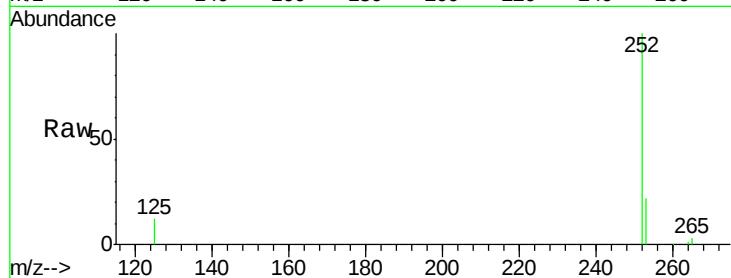
Tot Ion:252 Resp: 26974

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

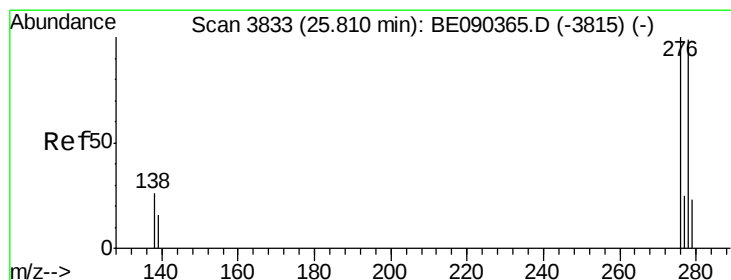
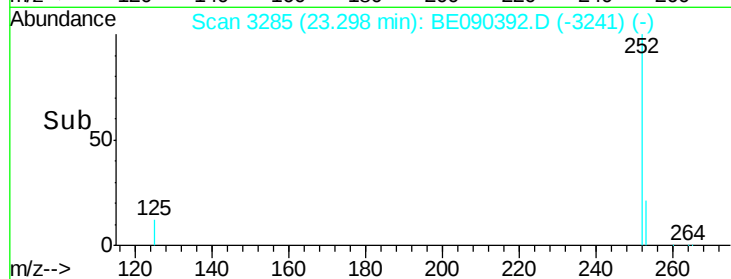
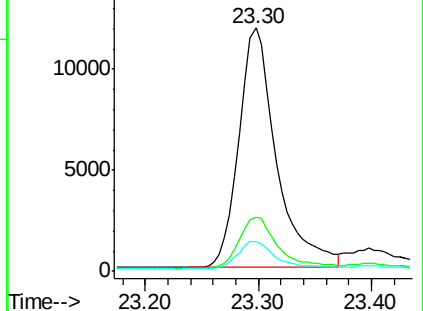
125 12.4 9.8 14.6



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: 1.04 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090392.D

Acq: 6 Aug 2015 16:36

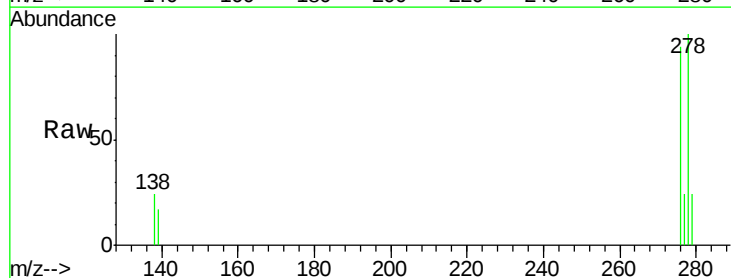
Tgt Ion:278 Resp: 24077

Ion Ratio Lower Upper

278 100

139 16.5 14.2 21.4

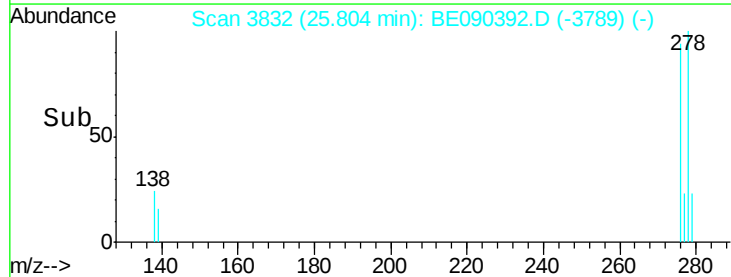
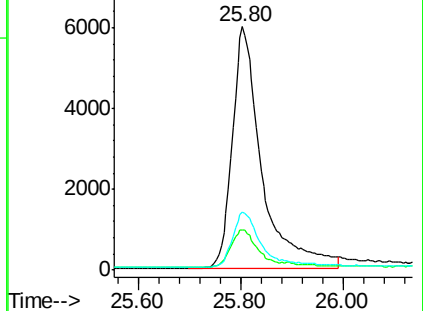
279 23.7 20.1 30.1



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: 1.10 ng

RT: 26.51 min Scan# 3988

Delta R.T. -0.00 min

Lab File: BE090392.D

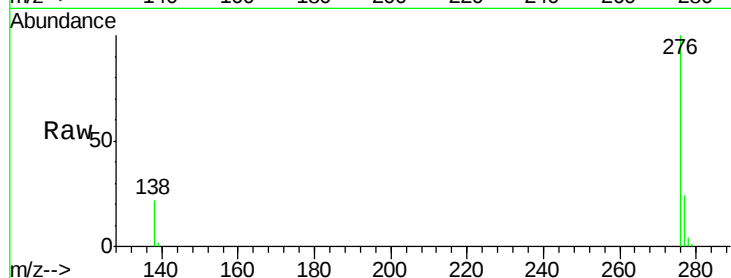
Acq: 6 Aug 2015 16:36

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC001EC



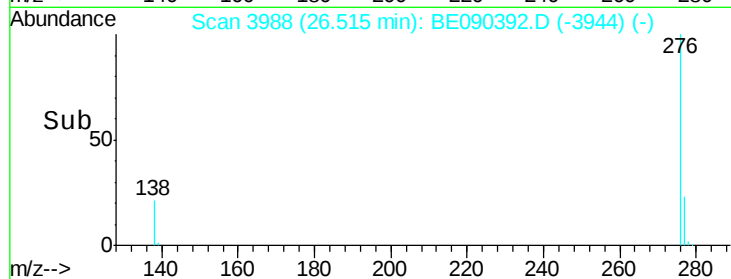
Tot Ion: 276 Resp: 29068

Ion Ratio Lower Upper

276 100

277 23.7 20.1 30.1

138 21.8 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

