

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090215\  
 Data File : BE090707.D  
 Acq On : 2 Sep 2015 16:45  
 Operator : UM/IZ  
 Sample : G3484-04MS  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

Quant Time: Sep 02 23:05:18 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 23:04:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 46484    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.30 | 136  | 225805   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.17 | 164  | 124620   | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.91 | 188  | 302880   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.07 | 240  | 359251   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.36 | 264  | 334206   | 5.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 4) 2-Fluorophenol           | 5.18  | 112 | 22395  | 2.48  | ng | 0.00  |
| 5) Phenol-d6                | 6.75  | 99  | 22316  | 1.72  | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.69  | 82  | 45180  | 3.03  | ng | -0.02 |
| 13) 2,4,6-Tribromophenol    | 15.68 | 330 | 51199  | 13.88 | ng | 0.00  |
| 14) 2-Fluorobiphenyl        | 12.79 | 172 | 120203 | 3.48  | ng | 0.00  |
| 27) Terphenyl-d14           | 19.53 | 244 | 259405 | 6.53  | ng | 0.00  |

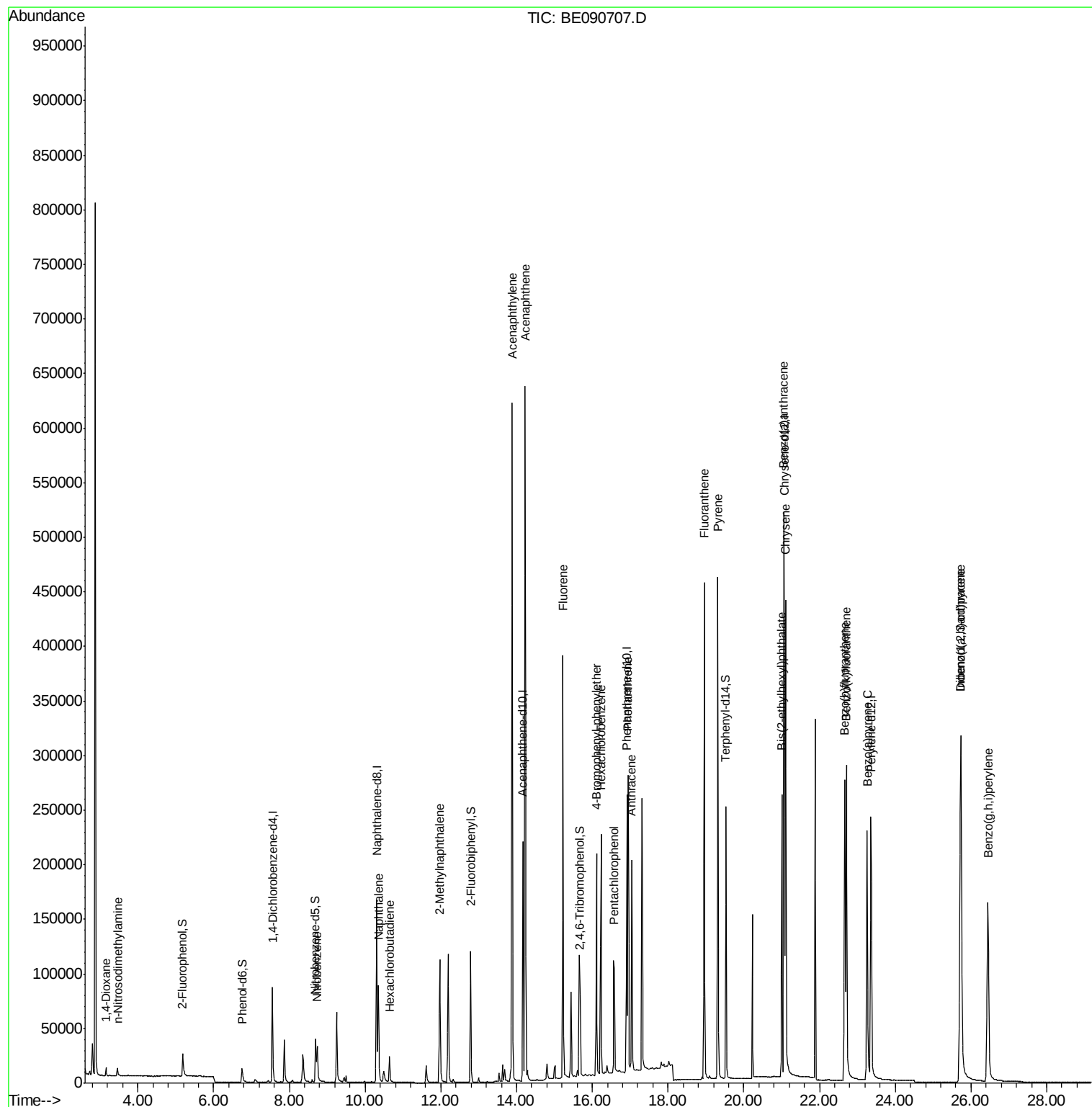
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.16  | 88  | 4370   | 0.56   | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.45  | 42  | 5373   | 0.58   | ng | # 90 |
| 8) Nitrobenzene                | 8.74  | 77  | 43429  | 2.43   | ng | 98   |
| 9) Naphthalene                 | 10.35 | 128 | 123885 | 2.52   | ng | 100  |
| 10) Hexachlorobutadiene        | 10.65 | 225 | 16712  | 2.17   | ng | 100  |
| 11) 2-Methylnaphthalene        | 11.97 | 142 | 93708  | 3.52   | ng | 98   |
| 15) Acenaphthylene             | 13.88 | 152 | 778194 | 3.91   | ng | 100  |
| 16) Acenaphthene               | 14.22 | 154 | 119459 | 3.59   | ng | 89   |
| 17) Fluorene                   | 15.22 | 166 | 173918 | 4.19   | ng | 96   |
| 19) 4-Bromophenyl-phenylether  | 16.11 | 248 | 47120  | 4.56   | ng | 95   |
| 20) Hexachlorobenzene          | 16.23 | 284 | 206329 | 4.17   | ng | 97   |
| 21) Pentachlorophenol          | 16.58 | 266 | 63243  | 14.64  | ng | 91   |
| 22) Phenanthrene               | 16.95 | 178 | 314930 | 4.20   | ng | 99   |
| 23) Anthracene                 | 17.03 | 178 | 309988 | 4.95   | ng | 100  |
| 24) Fluoranthene               | 18.95 | 202 | 387032 | 4.90   | ng | 99   |
| 26) Pyrene                     | 19.31 | 202 | 410748 | 5.52   | ng | 99   |
| 28) Benzo(a)anthracene         | 21.05 | 228 | 382561 | 4.86   | ng | 98   |
| 29) Chrysene                   | 21.11 | 228 | 386418 | 4.66   | ng | 99   |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 234606 | 7.58   | ng | 99   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.72 | 276 | 416255 | 4.90   | ng | 98   |
| 33) Benzo(b)fluoranthene       | 22.66 | 252 | 365610 | 5.05   | ng | 100  |
| 34) Benzo(k)fluoranthene       | 22.71 | 252 | 388585 | 4.60   | ng | 99   |
| 35) Benzo(a)pyrene             | 23.26 | 252 | 348232 | 5.37   | ng | 100  |
| 36) Dibenzo(a,h)anthracene     | 25.74 | 278 | 343172 | 4.36   | ng | 99   |
| 37) Benzo(g,h,i)perylene       | 26.45 | 276 | 352949 | 4.73   | ng | 99   |

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

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Sample : G3484-04MS  
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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 02 23:04:24 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

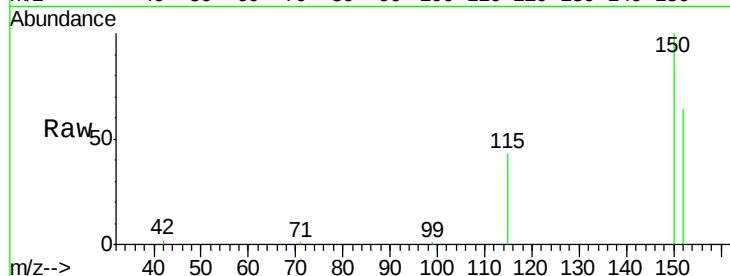
Tgt Ion:152 Resp: 46484

Ion Ratio Lower Upper

152 100

150 156.4 122.2 183.4

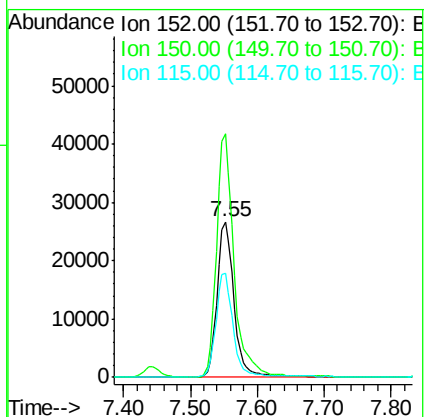
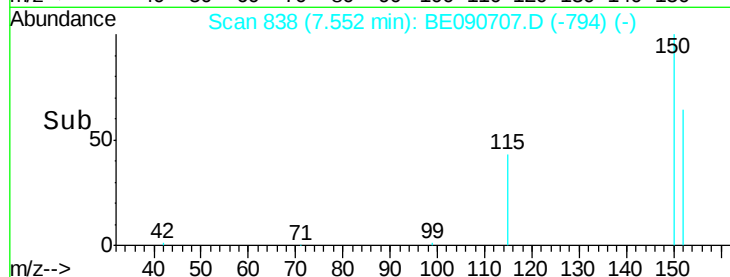
115 67.1 51.0 76.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.56 ng

RT: 3.16 min Scan# 82

Delta R.T. 0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

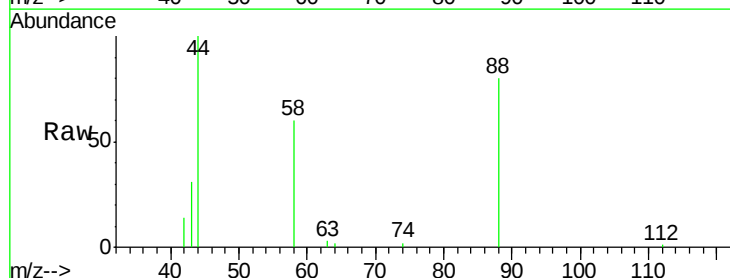
Tgt Ion: 88 Resp: 4370

Ion Ratio Lower Upper

88 100

58 84.1 68.4 102.6

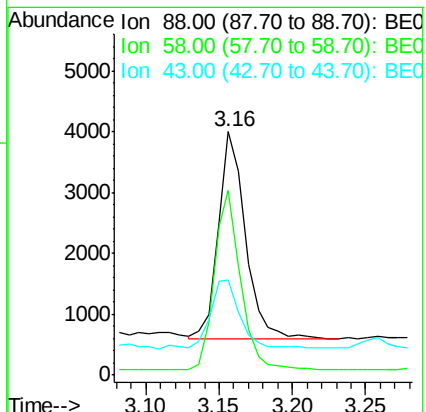
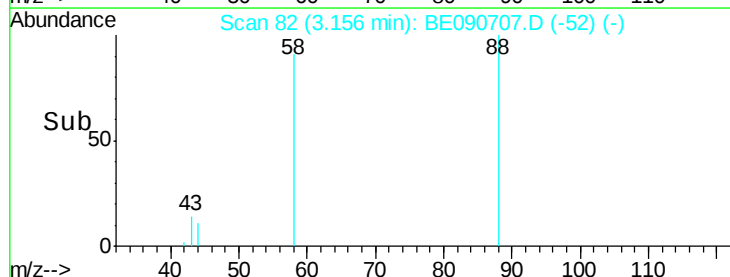
43 36.1 26.9 40.3



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



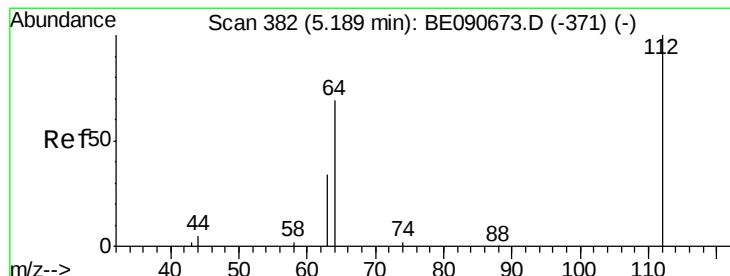
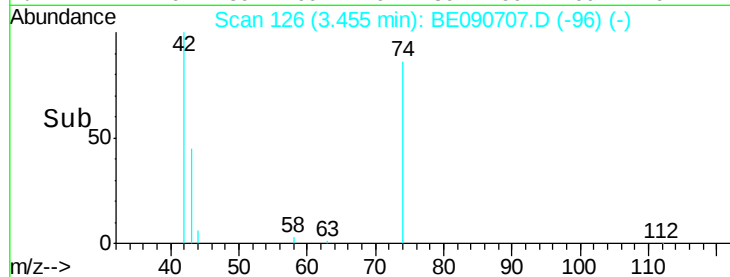
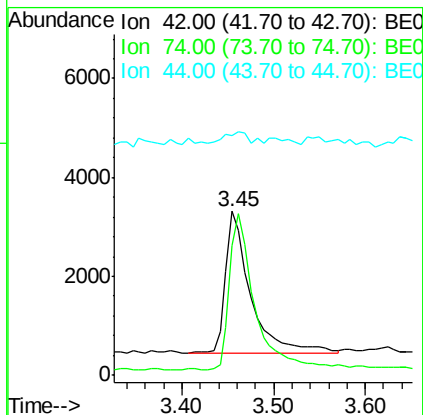
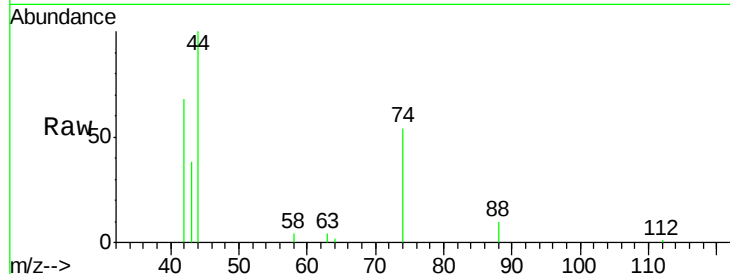


#3

n-Nitrosodimethylamine  
 Concen: 0.58 ng  
 RT: 3.45 min Scan# 126  
 Delta R.T. 0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

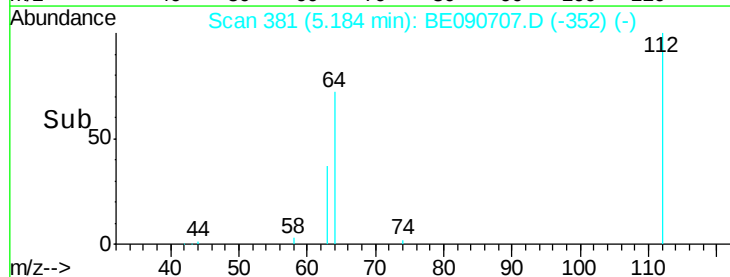
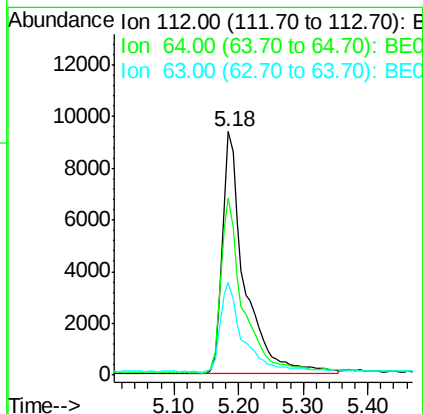
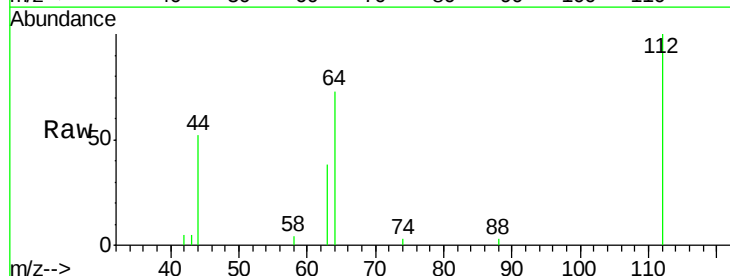
Tgt Ion: 42 Resp: 5373  
 Ion Ratio Lower Upper  
 42 100  
 74 114.3 83.7 125.5  
 44 8.7 10.0 15.0#



#4

2-Fluorophenol  
 Concen: 2.48 ng  
 RT: 5.18 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Tgt Ion: 112 Resp: 22395  
 Ion Ratio Lower Upper  
 112 100  
 64 72.6 57.3 85.9  
 63 37.0 29.2 43.8





#5

Phenol-d6

Concen: 1.72 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

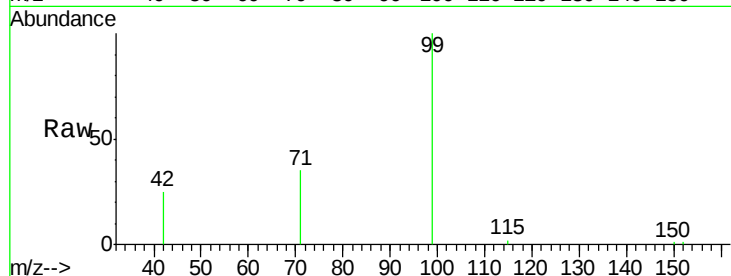
Tgt Ion: 99 Resp: 22316

Ion Ratio Lower Upper

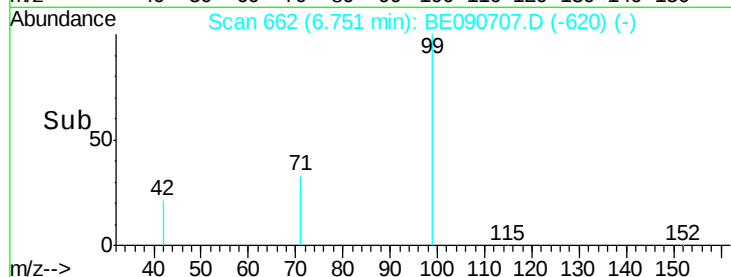
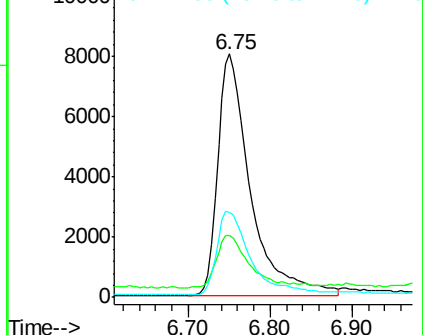
99 100

42 22.4 16.8 25.2

71 36.1 28.3 42.5



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: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Tgt Ion: 136 Resp: 225805

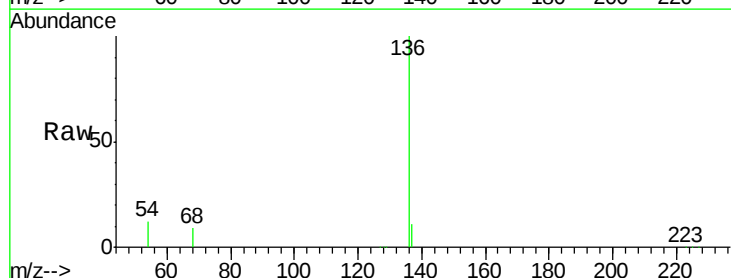
Ion Ratio Lower Upper

136 100

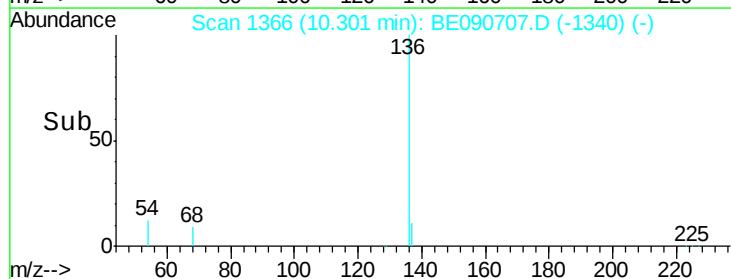
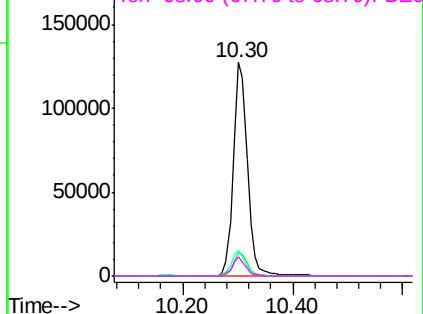
137 10.9 8.7 13.1

54 12.1 9.0 13.6

68 8.7 6.3 9.5



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: 3.03 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

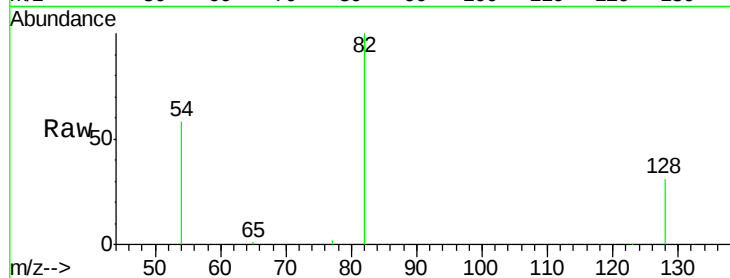
Tgt Ion: 82 Resp: 45180

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.4

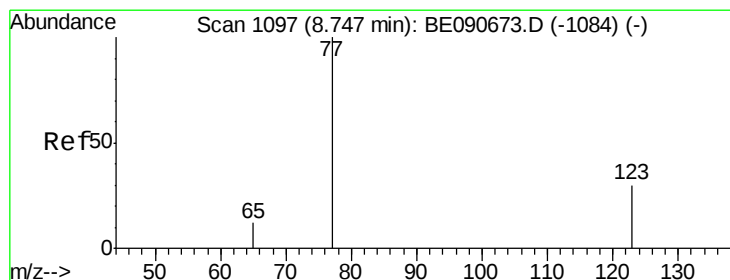
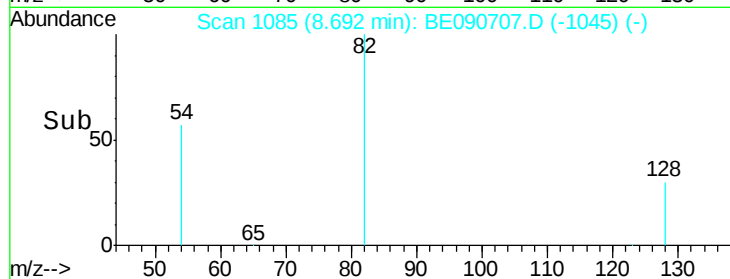
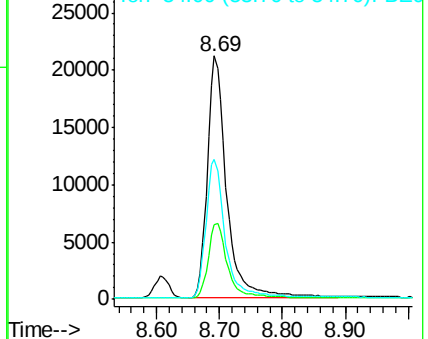
54 57.6 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 2.43 ng

RT: 8.74 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

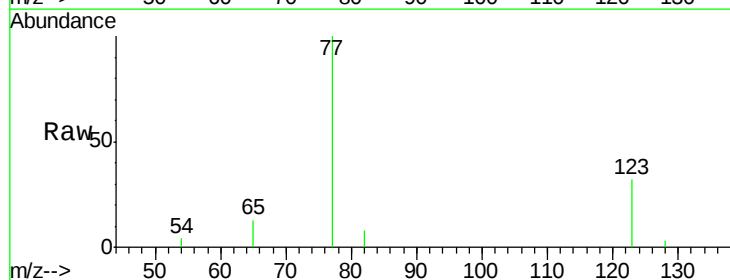
Tgt Ion: 77 Resp: 43429

Ion Ratio Lower Upper

77 100

123 33.2 25.1 37.7

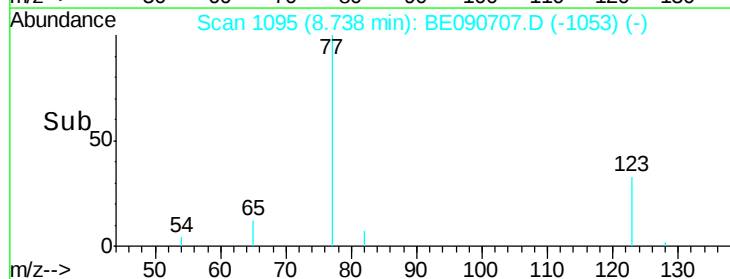
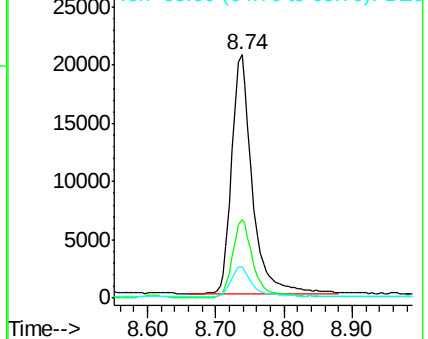
65 12.3 9.9 14.9



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: 2.52 ng

RT: 10.35 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

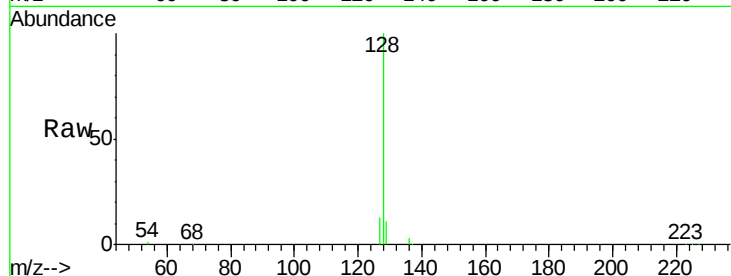
Tgt Ion:128 Resp: 123885

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

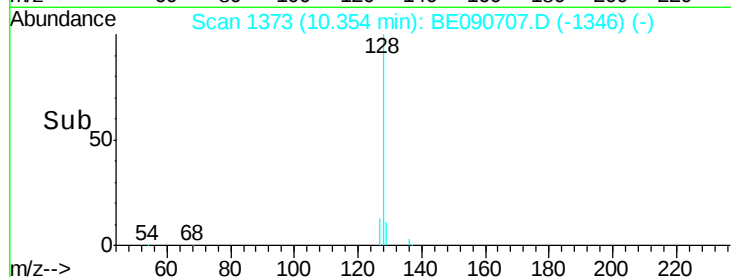
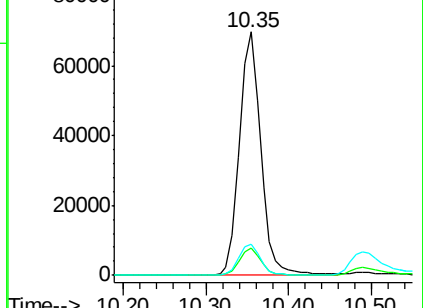
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 2.17 ng

RT: 10.65 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

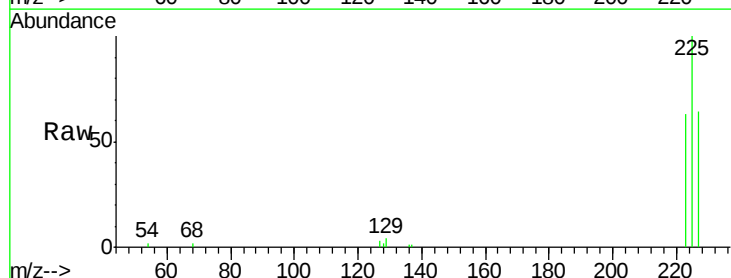
Tgt Ion:225 Resp: 16712

Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

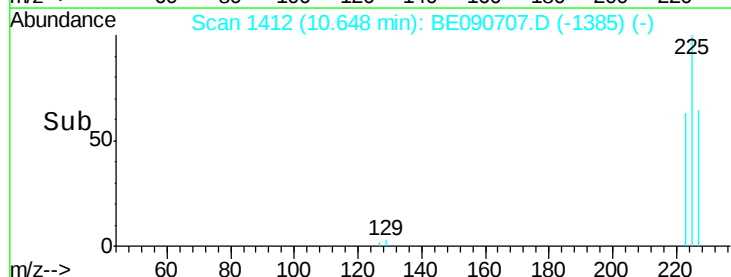
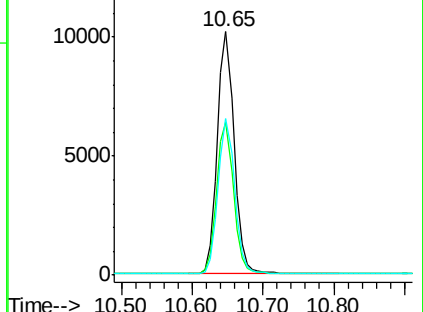
227 63.5 51.0 76.6



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: 3.52 ng

RT: 11.97 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

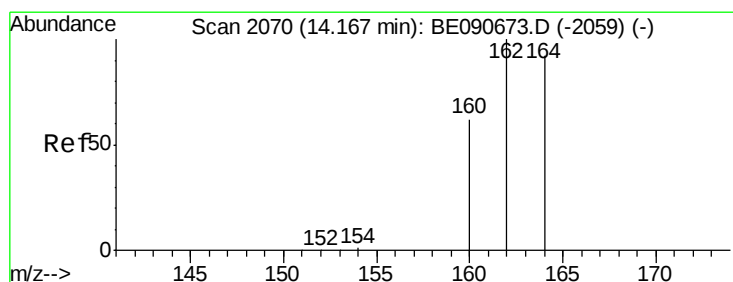
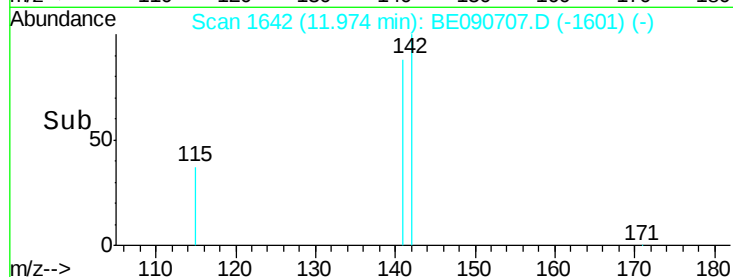
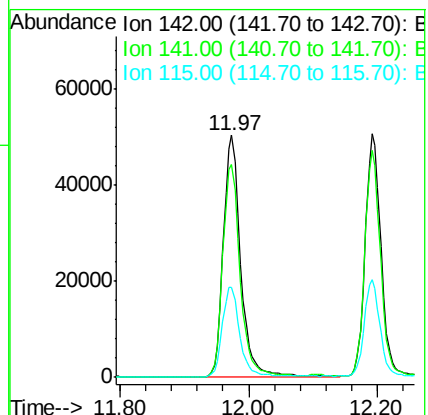
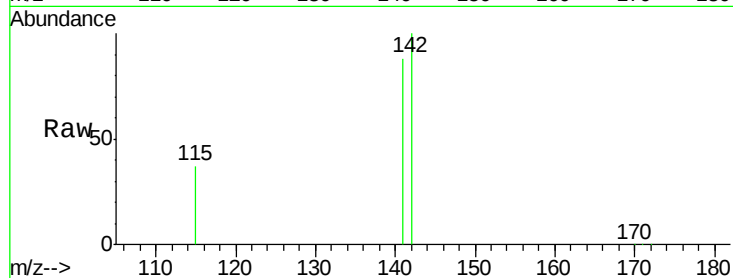
Tgt Ion:142 Resp: 93708

Ion Ratio Lower Upper

142 100

141 88.1 71.4 107.2

115 37.1 31.0 46.4



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

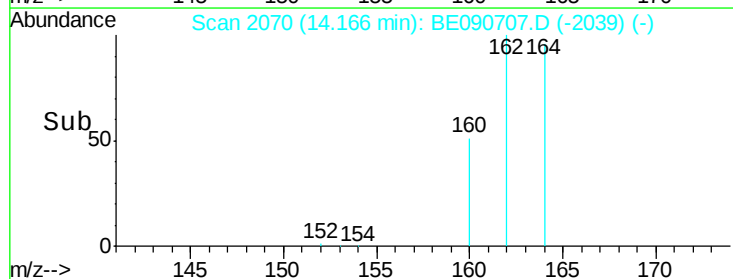
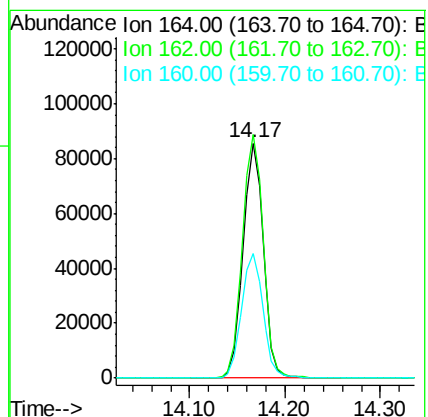
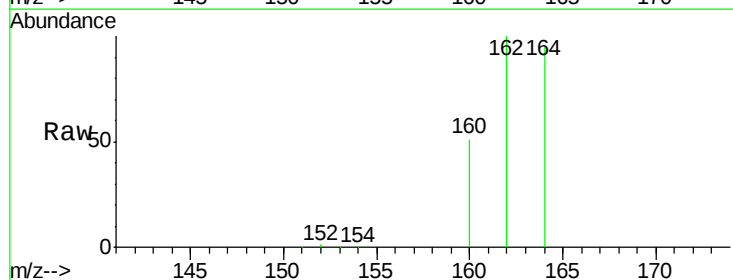
Tgt Ion:164 Resp: 124620

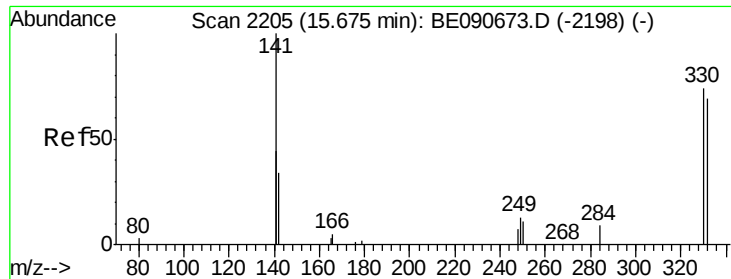
Ion Ratio Lower Upper

164 100

162 103.7 86.8 130.2

160 52.8 53.9 80.9#

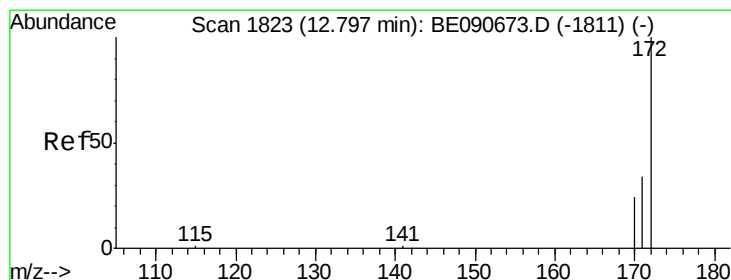
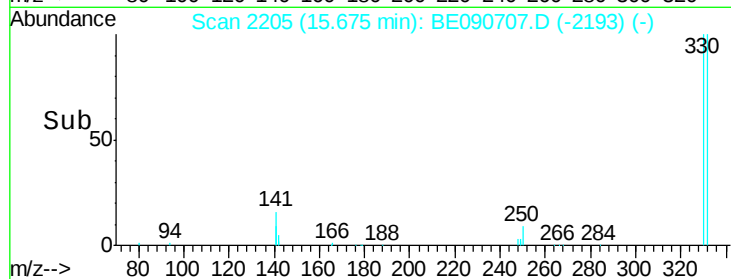
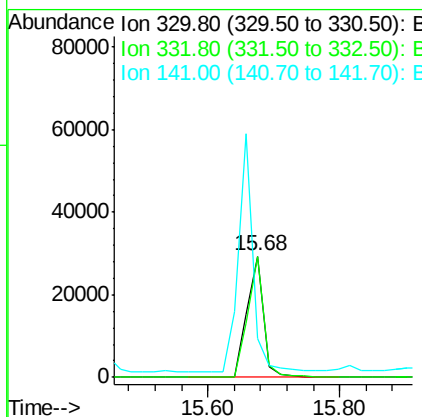
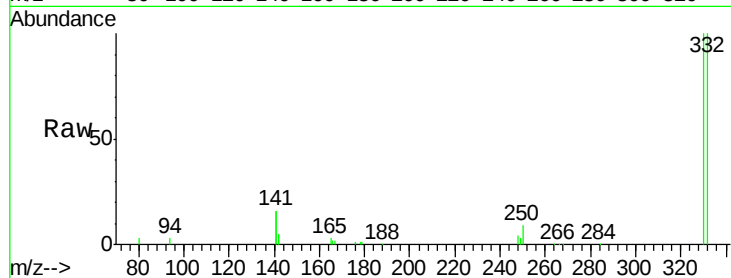




#13  
 2,4,6-Tribromophenol  
 Concen: 13.88 ng  
 RT: 15.68 min Scan# 2205  
 Delta R.T. 0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

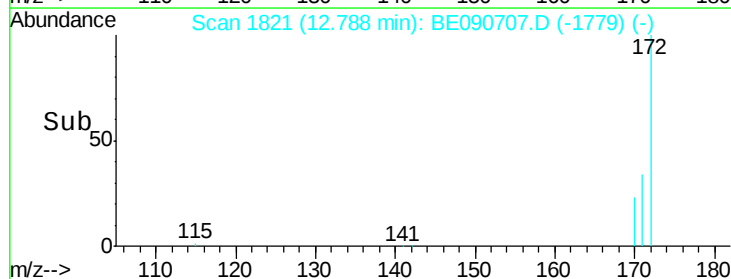
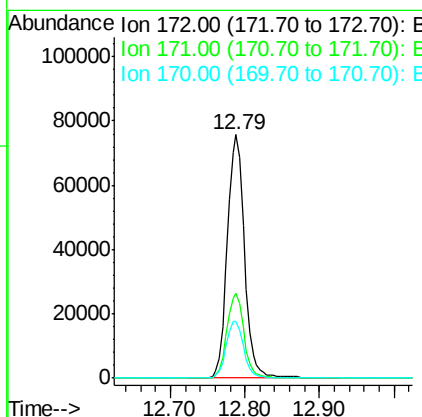
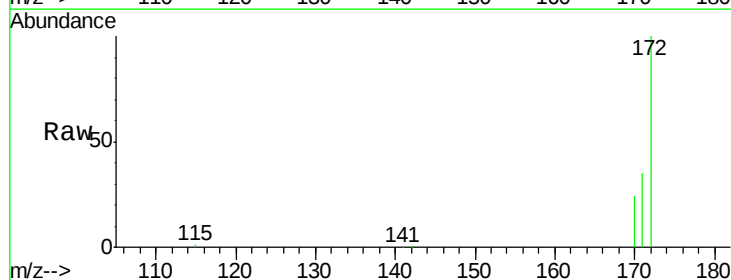
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

Tgt Ion:330 Resp: 51199  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 74.9 112.3  
 141 174.2 145.2 217.8



#14  
 2-Fluorobiphenyl  
 Concen: 3.48 ng  
 RT: 12.79 min Scan# 1821  
 Delta R.T. -0.01 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Tgt Ion:172 Resp: 120203  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 27.8 41.8  
 170 23.5 19.8 29.6





#15

Acenaphthylene

Concen: 3.91 ng

RT: 13.88 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

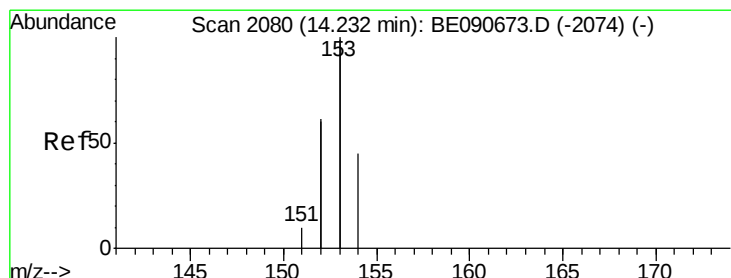
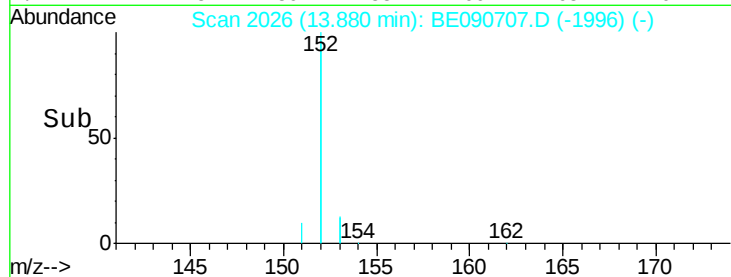
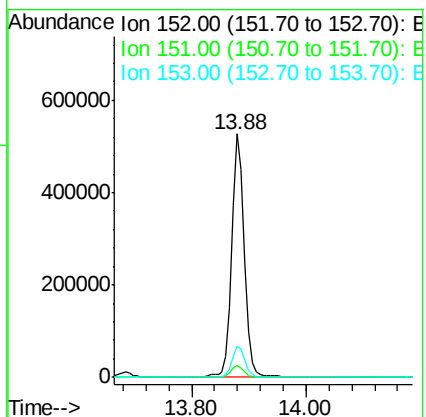
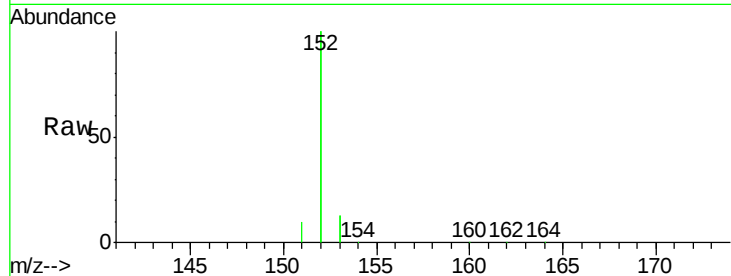
Tgt Ion:152 Resp: 778194

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.1 10.3 15.5



#16

Acenaphthene

Concen: 3.59 ng

RT: 14.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

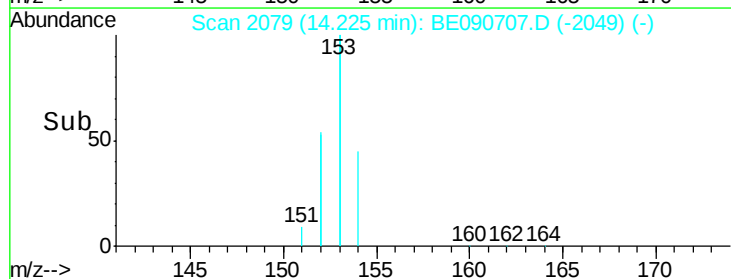
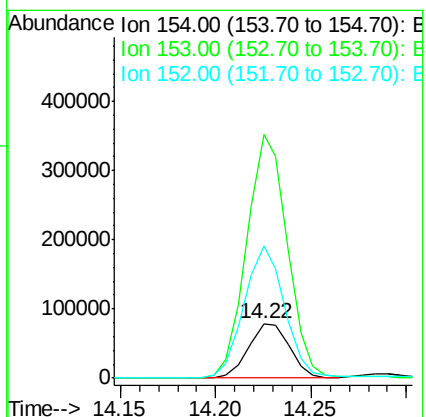
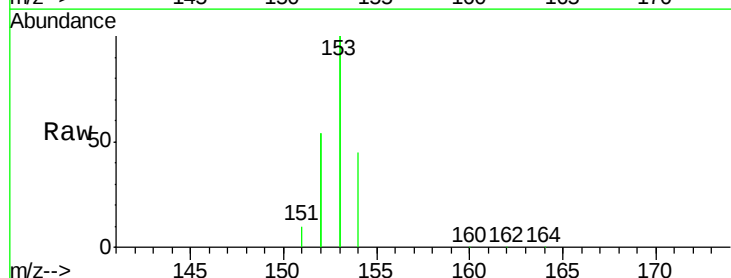
Tgt Ion:154 Resp: 119459

Ion Ratio Lower Upper

154 100

153 437.9 354.5 531.7

152 236.7 227.8 341.6

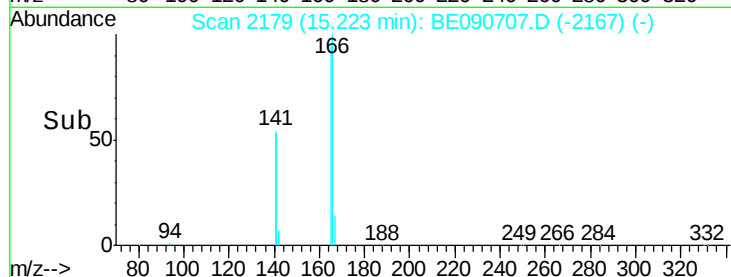
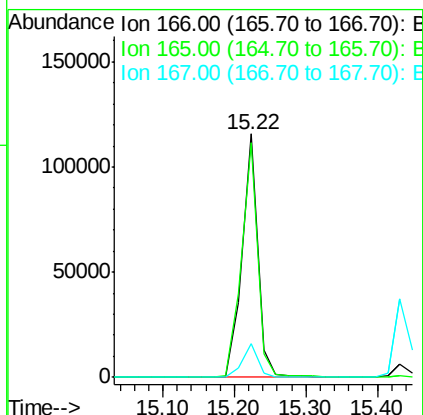
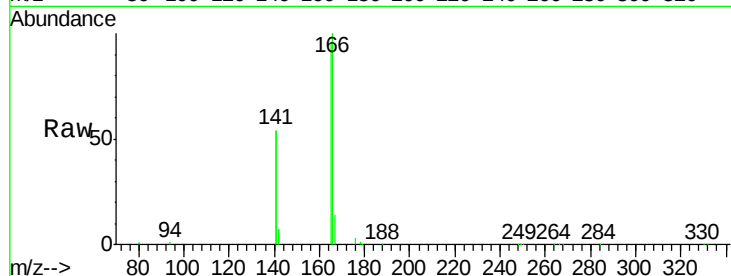




#17  
**Fluorene**  
 Concen: 4.19 ng  
 RT: 15.22 min Scan# 2179  
 Delta R.T. 0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

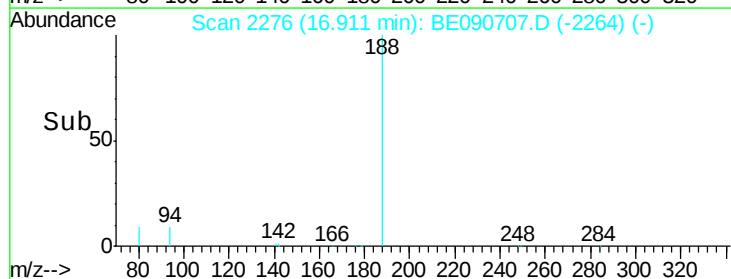
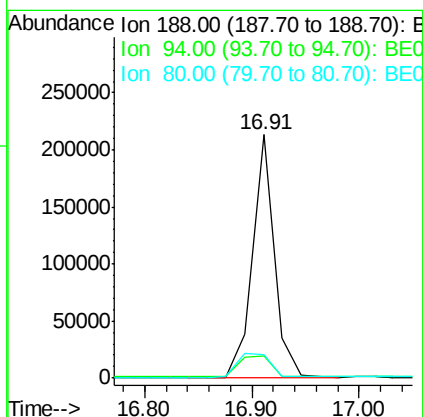
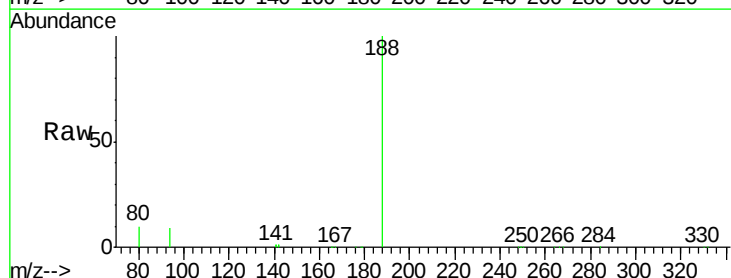
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

Tgt Ion:166 Resp: 173918  
 Ion Ratio Lower Upper  
 166 100  
 165 98.8 82.7 124.1  
 167 13.6 10.7 16.1



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.91 min Scan# 2276  
 Delta R.T. 0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Tgt Ion:188 Resp: 302880  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 10.3 15.5#  
 80 9.8 11.0 16.6#

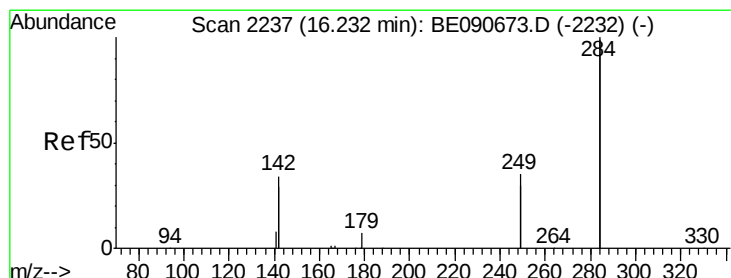
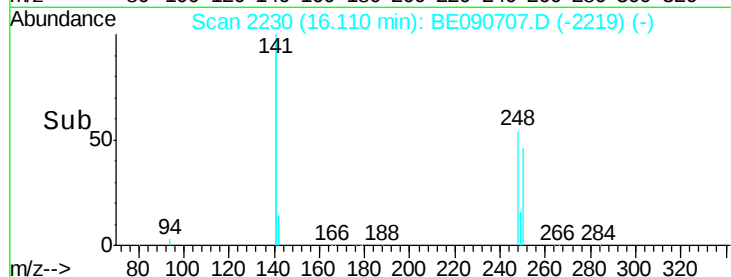
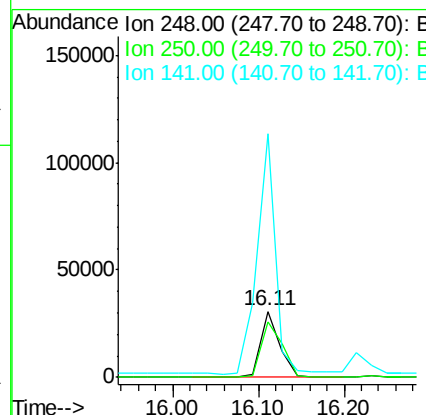
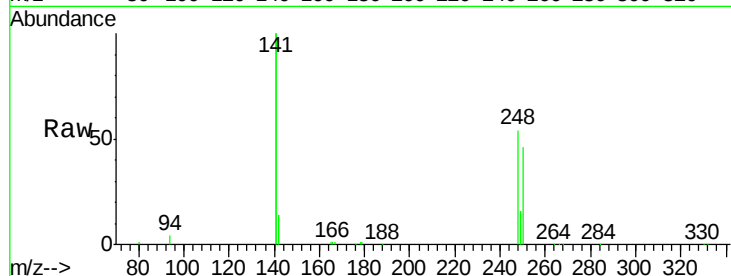




#19  
4-Bromophenyl-phenylether  
Concen: 4.56 ng  
RT: 16.11 min Scan# 2230  
Delta R.T. -0.02 min  
Lab File: BE090707.D  
Acq: 2 Sep 2015 16:45

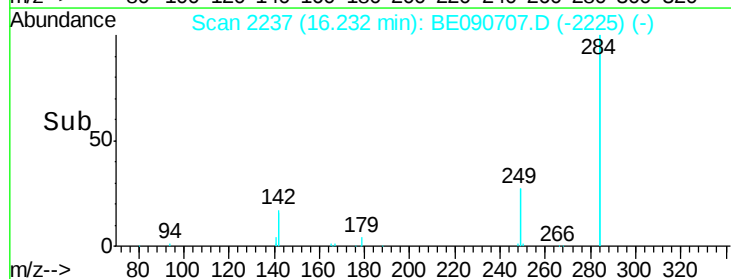
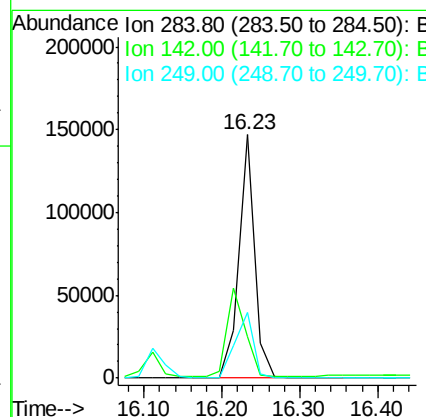
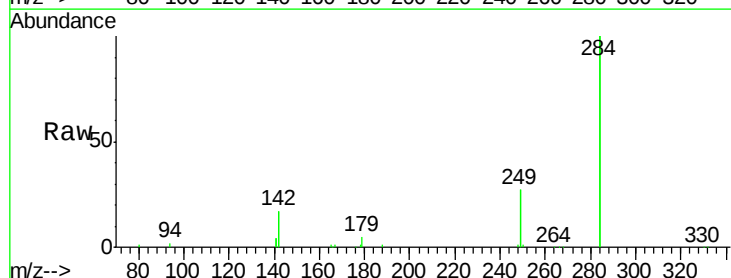
Instrument :  
BNA\_E  
ClientSampleId :  
MW01-082815MS

Tgt Ion:248 Resp: 47120  
Ion Ratio Lower Upper  
248 100  
250 97.1 76.7 115.1  
141 351.1 292.6 439.0



#20  
Hexachlorobenzene  
Concen: 4.17 ng  
RT: 16.23 min Scan# 2237  
Delta R.T. 0.00 min  
Lab File: BE090707.D  
Acq: 2 Sep 2015 16:45

Tgt Ion:284 Resp: 206329  
Ion Ratio Lower Upper  
284 100  
142 41.3 35.0 52.4  
249 31.1 25.5 38.3

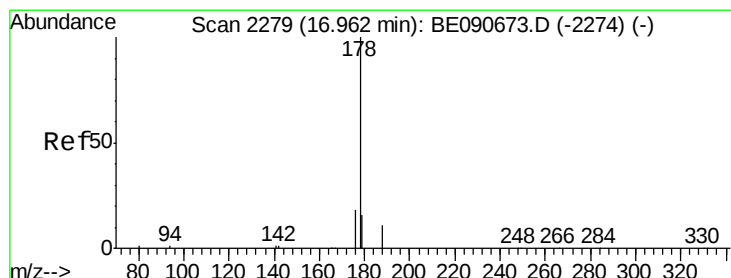
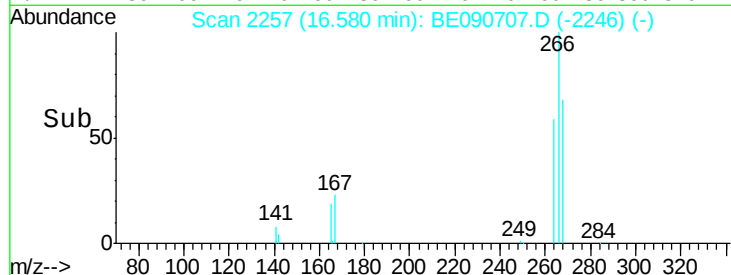
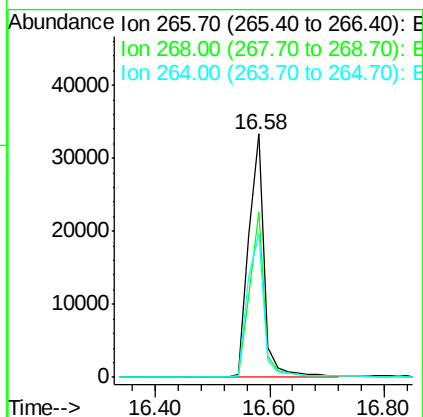
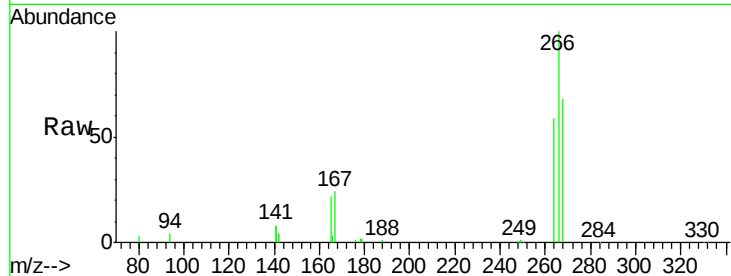




#21  
 Pentachlorophenol  
 Concen: 14.64 ng  
 RT: 16.58 min Scan# 2257  
 Delta R.T. -0.02 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

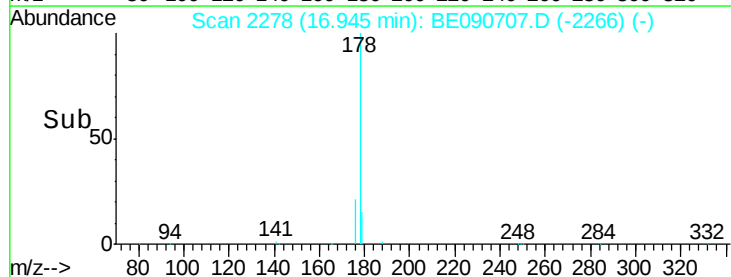
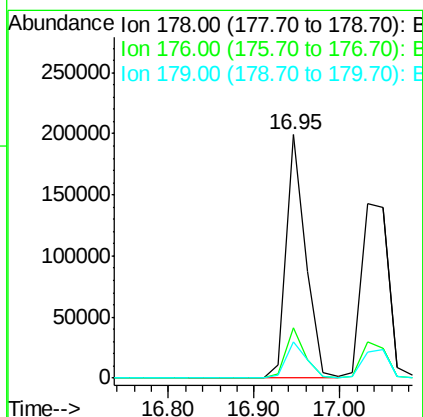
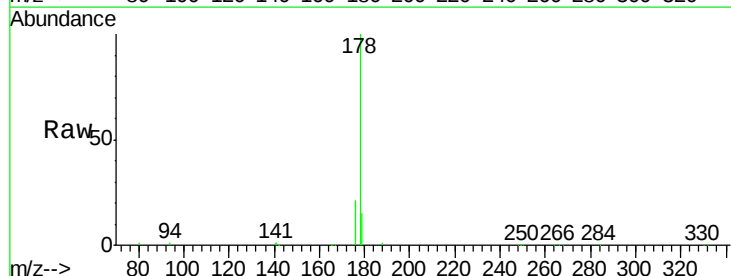
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

Tgt Ion: 266 Resp: 63243  
 Ion Ratio Lower Upper  
 266 100  
 268 68.2 49.6 74.4  
 264 59.2 53.9 80.9



#22  
 Phenanthrene  
 Concen: 4.20 ng  
 RT: 16.95 min Scan# 2278  
 Delta R.T. 0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Tgt Ion: 178 Resp: 314930  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.6 23.4  
 179 15.5 12.8 19.2





#23

Anthracene

Concen: 4.95 ng

RT: 17.03 min Scan# 2283

Delta R.T. -0.02 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

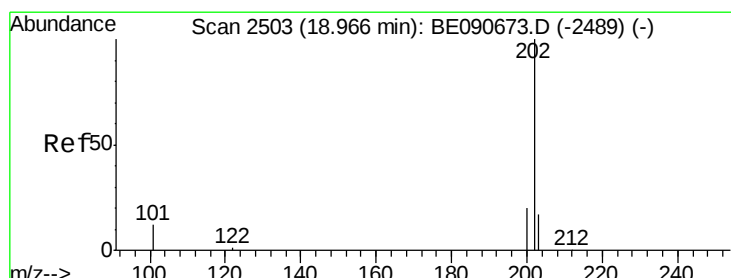
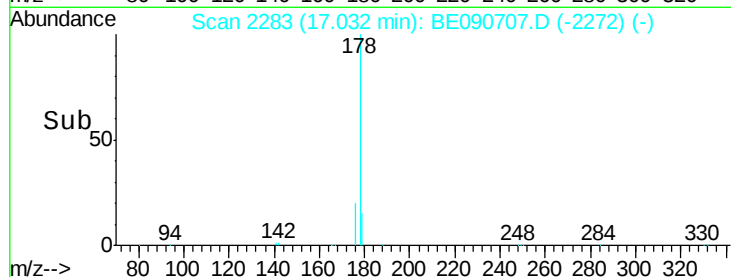
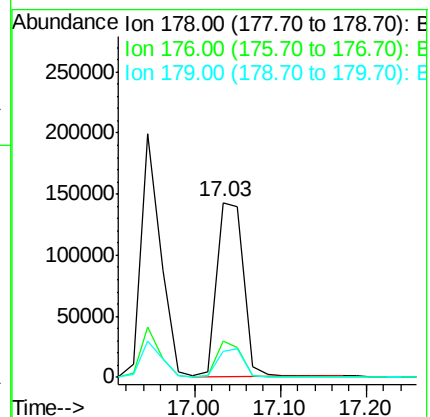
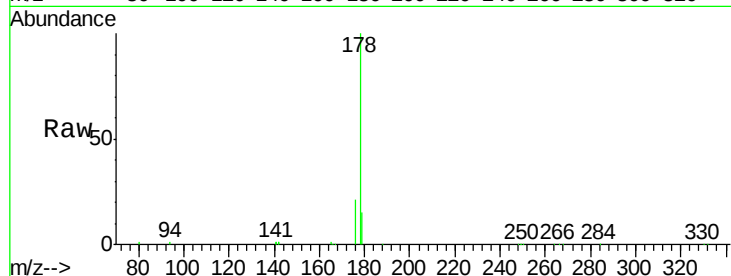
Tgt Ion:178 Resp: 309988

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.4 12.3 18.5



#24

Fluoranthene

Concen: 4.90 ng

RT: 18.95 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

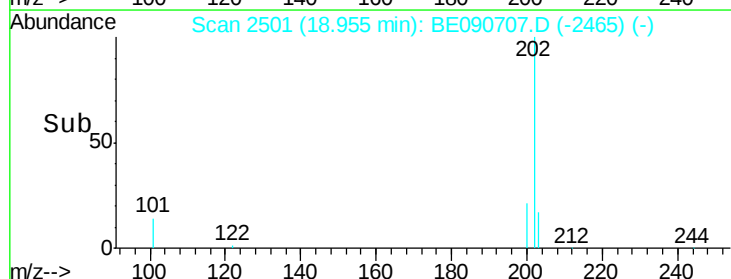
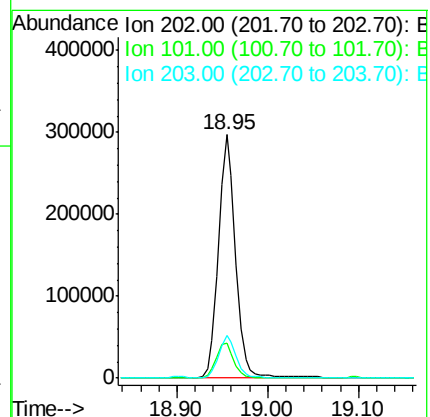
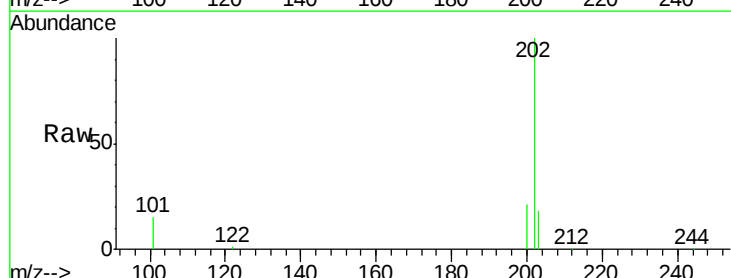
Tgt Ion:202 Resp: 387032

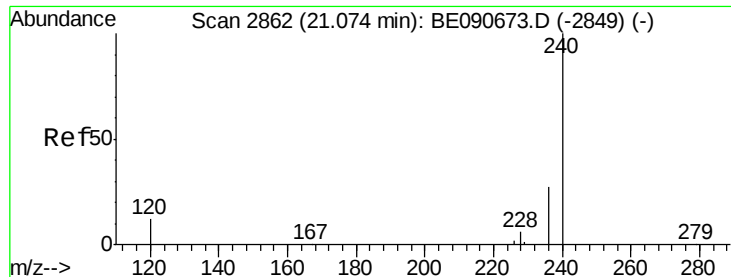
Ion Ratio Lower Upper

202 100

101 14.6 11.0 16.6

203 17.2 13.9 20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

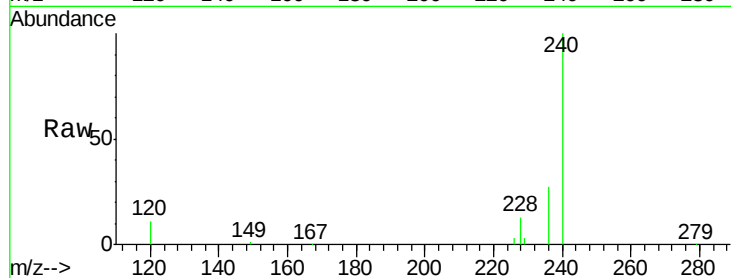
Tgt Ion:240 Resp: 359251

Ion Ratio Lower Upper

240 100

120 11.3 10.1 15.1

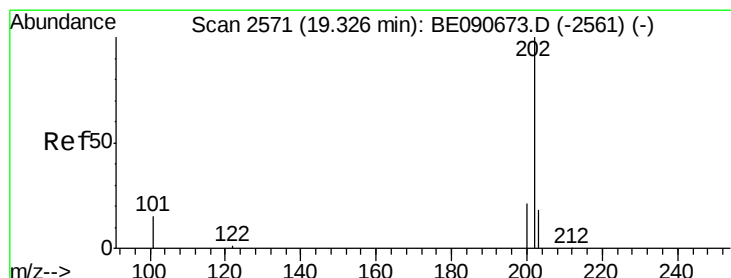
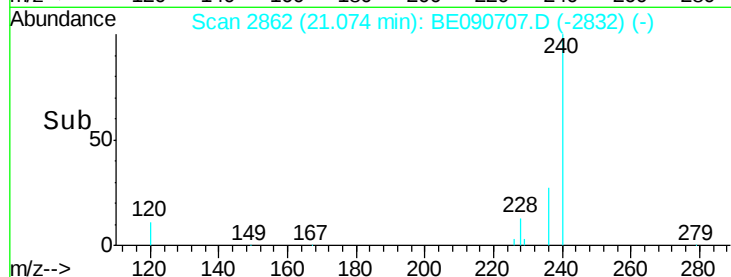
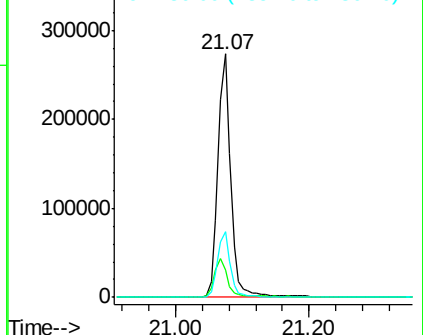
236 26.8 21.9 32.9



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: 5.52 ng

RT: 19.31 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

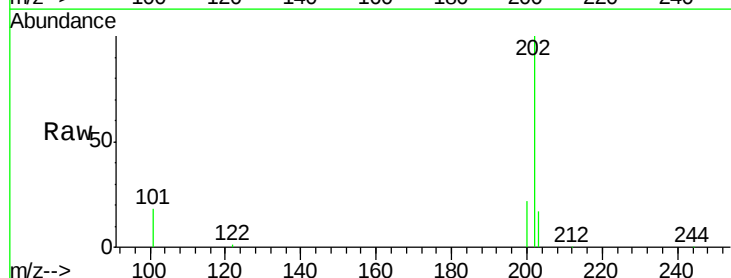
Tgt Ion:202 Resp: 410748

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

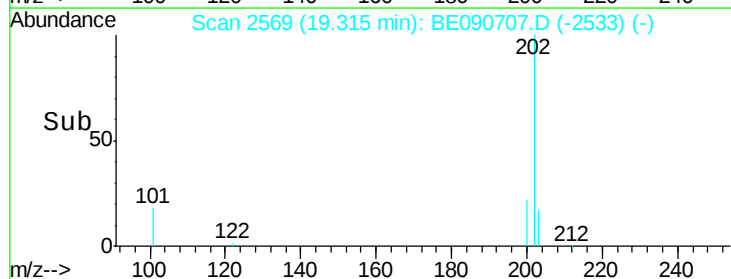
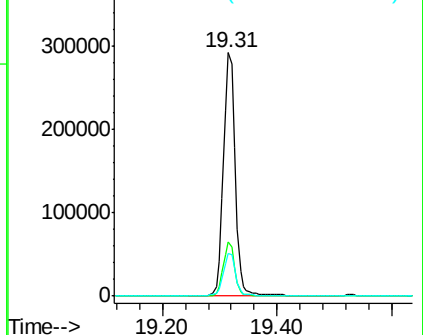
203 18.0 13.8 20.6

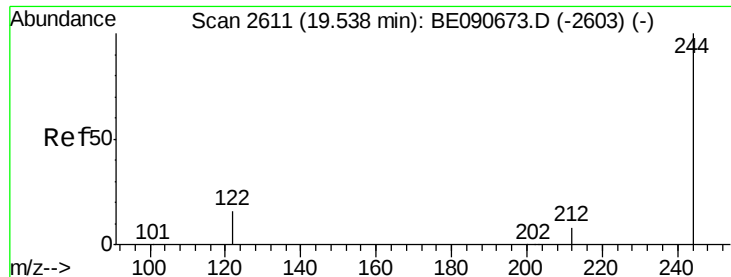


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

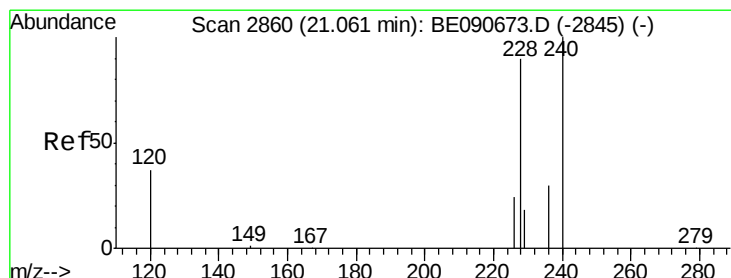
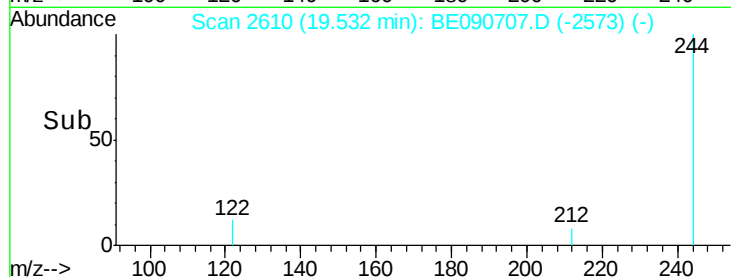
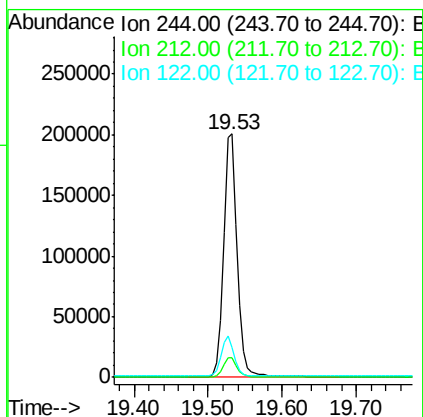
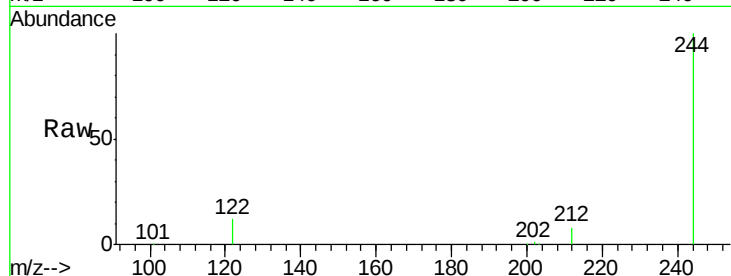




#27  
 Terphenyl-d14  
 Concen: 6.53 ng  
 RT: 19.53 min Scan# 2610  
 Delta R.T. -0.01 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

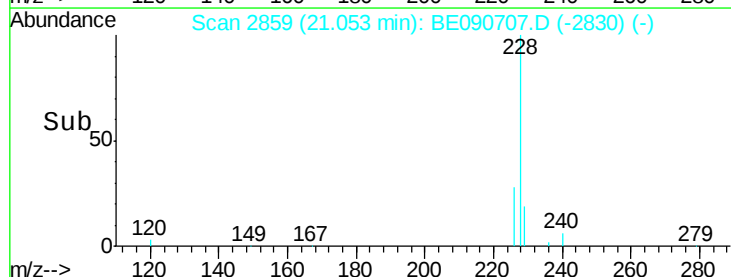
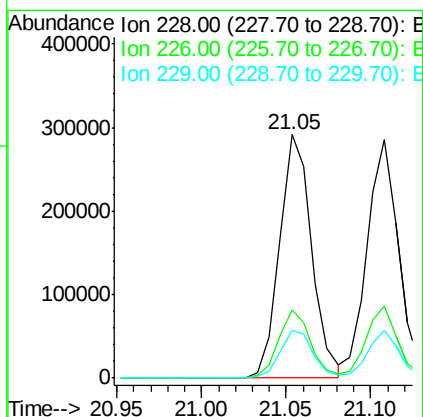
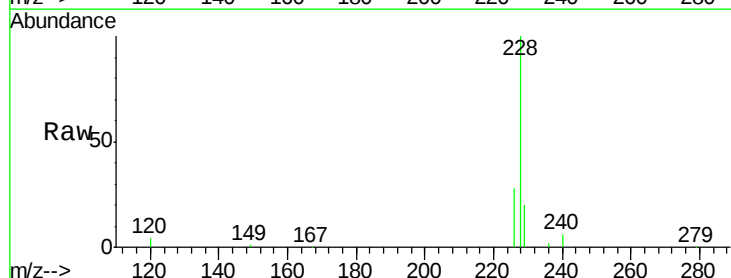
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

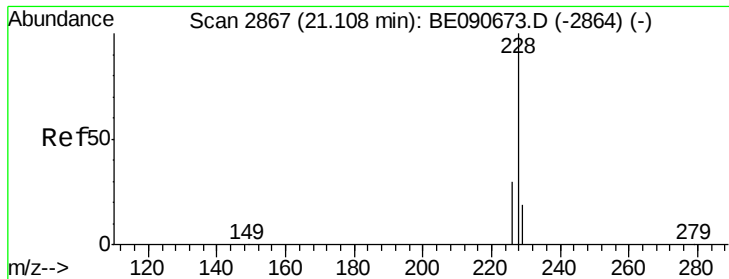
Tgt Ion:244 Resp: 259405  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.9 10.3  
 122 12.5 12.9 19.3#



#28  
 Benzo(a)anthracene  
 Concen: 4.86 ng  
 RT: 21.05 min Scan# 2859  
 Delta R.T. -0.01 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Tgt Ion:228 Resp: 382561  
 Ion Ratio Lower Upper  
 228 100  
 226 28.2 21.6 32.4  
 229 19.6 15.9 23.9





#29

Chrysene

Concen: 4.66 ng

RT: 21.11 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

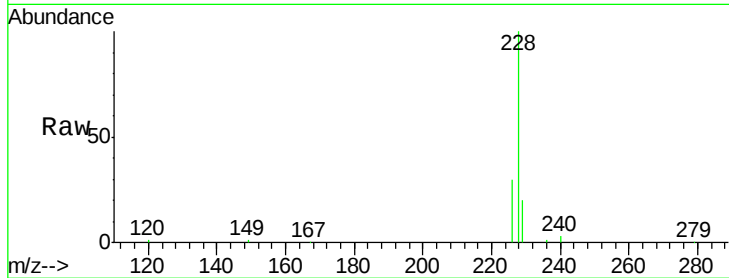
Tgt Ion:228 Resp: 386418

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

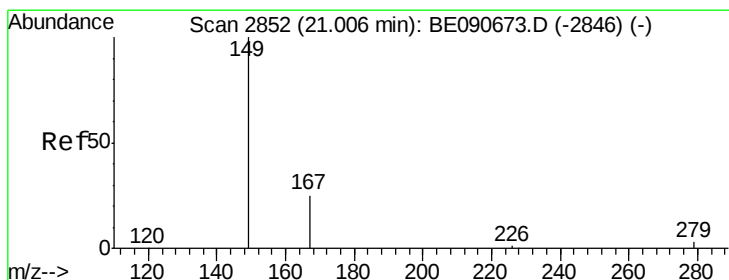
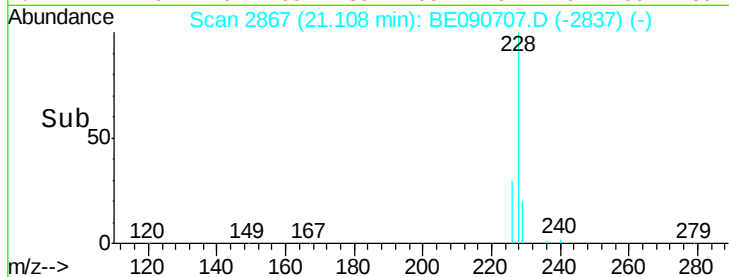
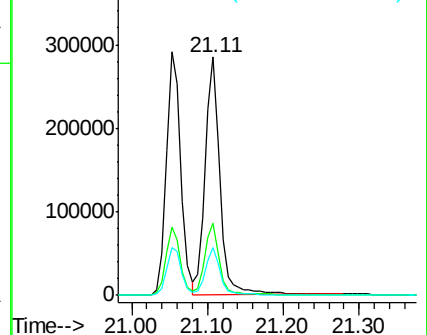
229 19.9 15.3 22.9



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 7.58 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

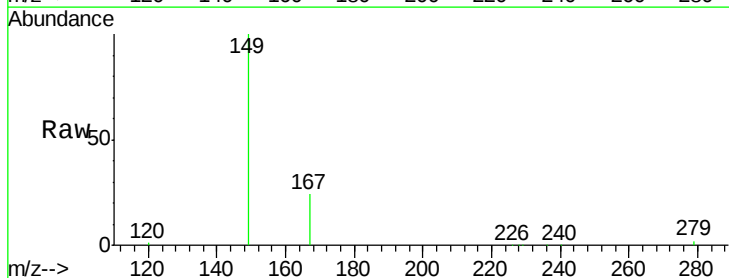
Tgt Ion:149 Resp: 234606

Ion Ratio Lower Upper

149 100

167 25.8 20.1 30.1

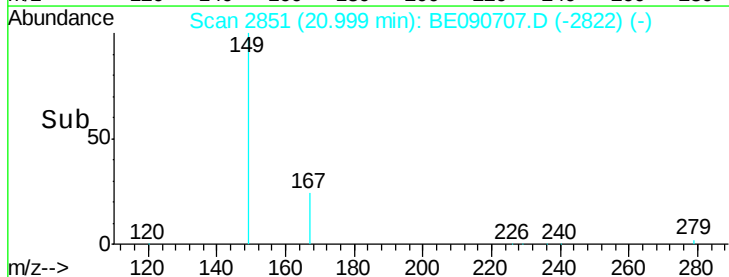
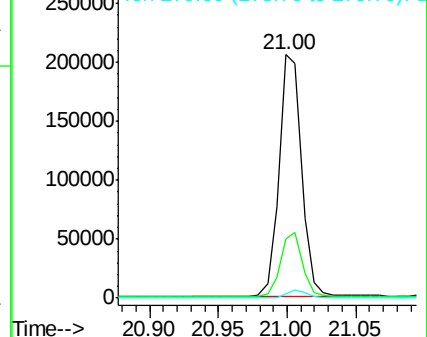
279 3.0 2.3 3.5

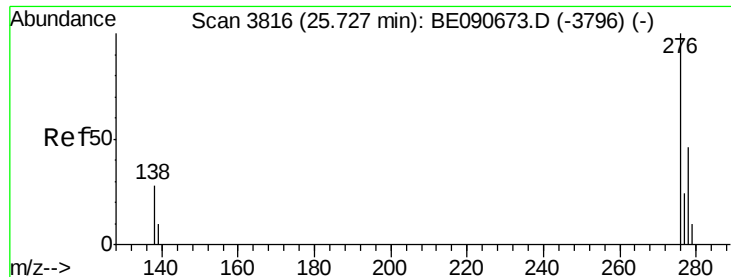


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 4.90 ng

RT: 25.72 min Scan# 3815

Delta R.T. -0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

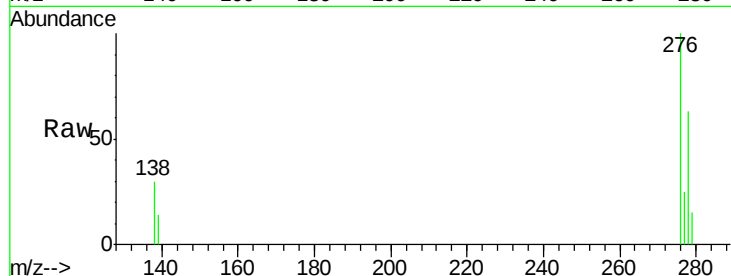
Tgt Ion:276 Resp: 416255

Ion Ratio Lower Upper

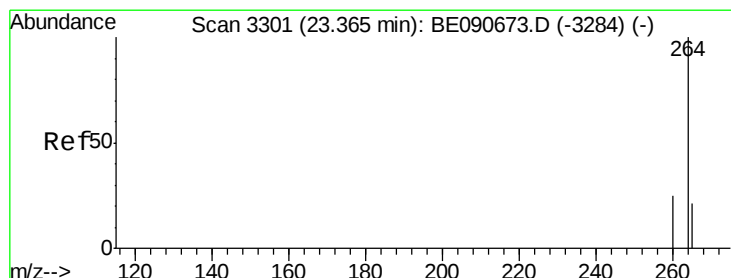
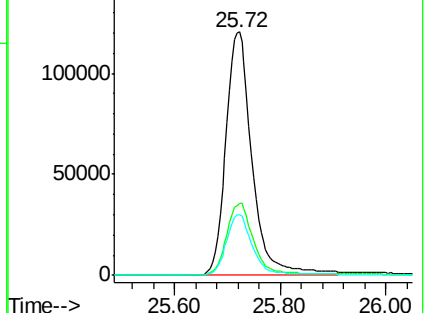
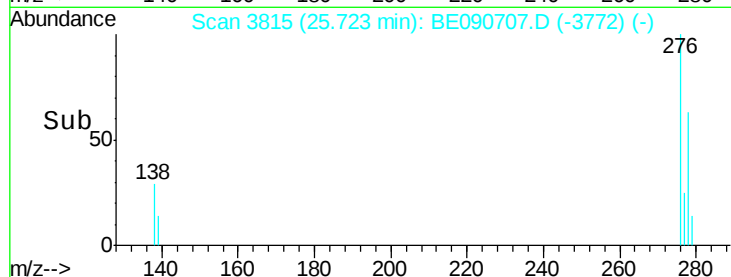
276 100

138 30.5 23.3 34.9

277 25.1 19.8 29.6



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: 23.36 min Scan# 3300

Delta R.T. -0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

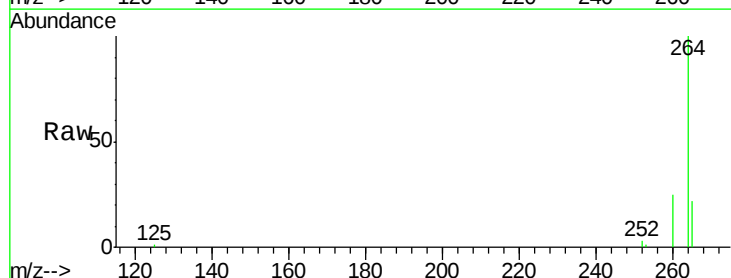
Tgt Ion:264 Resp: 334206

Ion Ratio Lower Upper

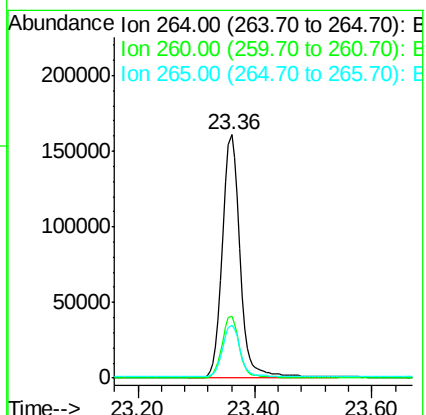
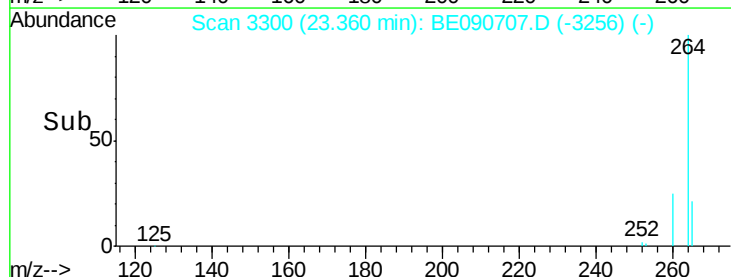
264 100

260 25.2 19.7 29.5

265 21.8 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

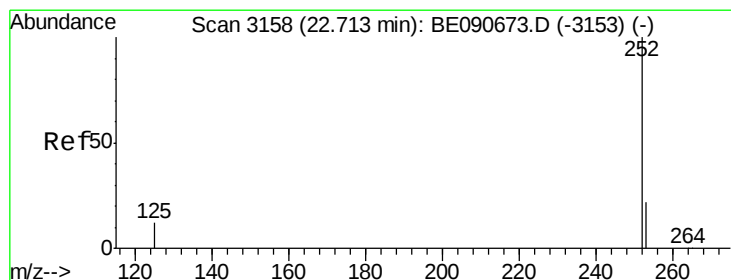
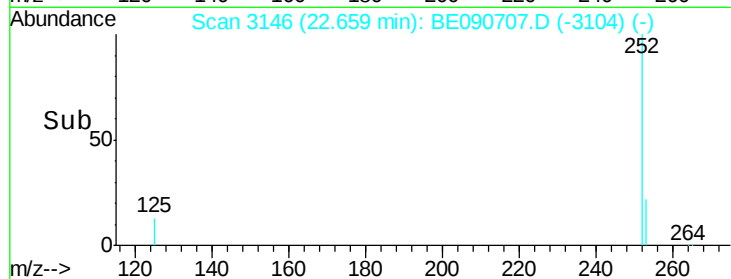
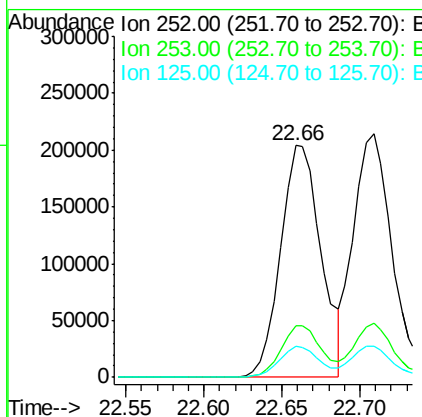
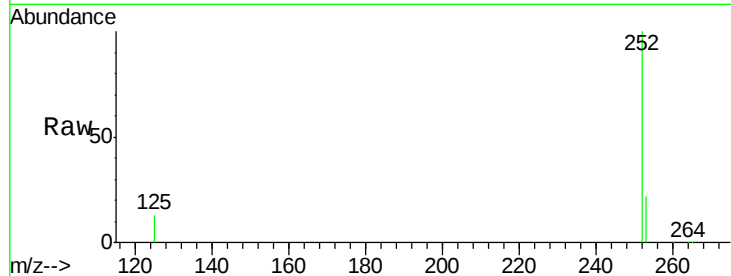




#33  
Benzo(b)fluoranthene  
Concen: 5.05 ng  
RT: 22.66 min Scan# 3146  
Delta R.T. -0.01 min  
Lab File: BE090707.D  
Acq: 2 Sep 2015 16:45

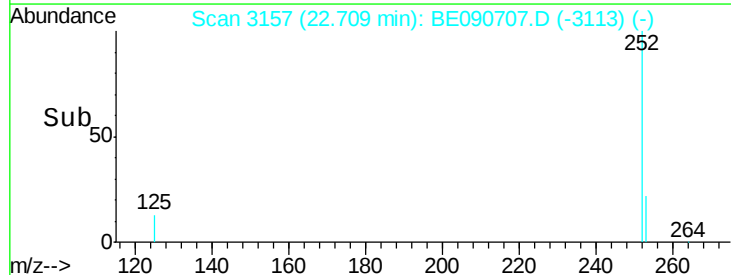
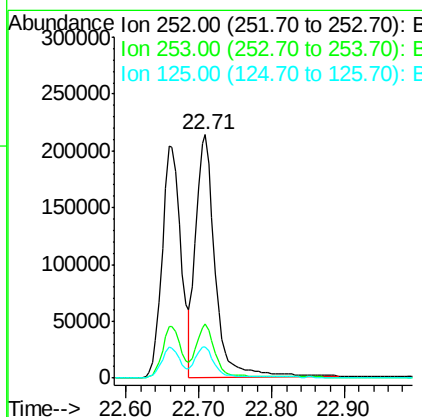
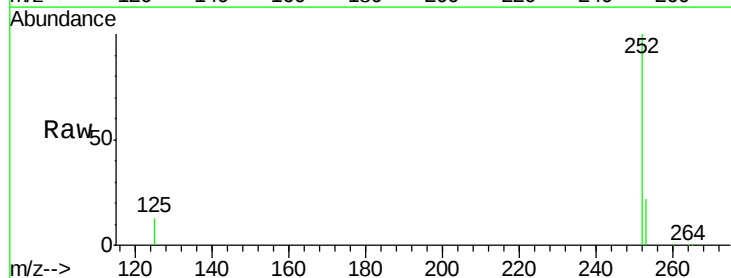
Instrument :  
BNA\_E  
ClientSampleId :  
MW01-082815MS

Tgt Ion:252 Resp: 365610  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.9 26.9  
125 13.2 10.6 16.0



#34  
Benzo(k)fluoranthene  
Concen: 4.60 ng  
RT: 22.71 min Scan# 3157  
Delta R.T. -0.00 min  
Lab File: BE090707.D  
Acq: 2 Sep 2015 16:45

Tgt Ion:252 Resp: 388585  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.9 26.9  
125 13.0 10.1 15.1





#35

Benzo(a)pyrene

Concen: 5.37 ng

RT: 23.26 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

Instrument :

BNA\_E

ClientSampleId :

MW01-082815MS

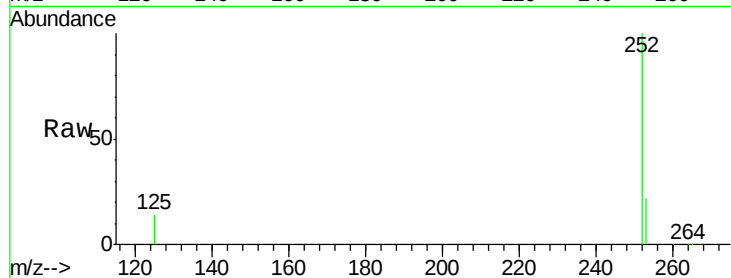
Tgt Ion:252 Resp: 348232

Ion Ratio Lower Upper

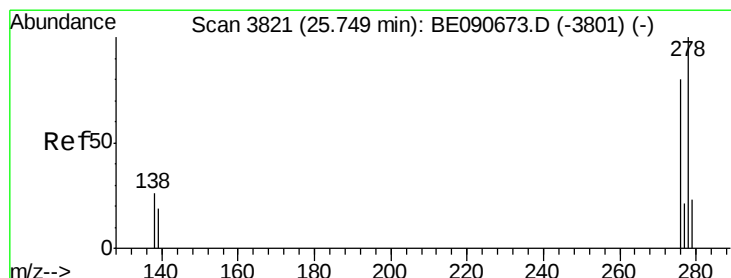
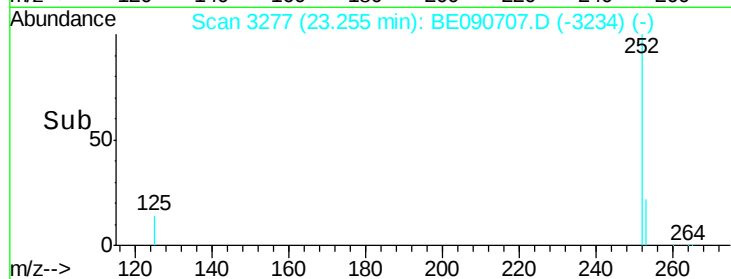
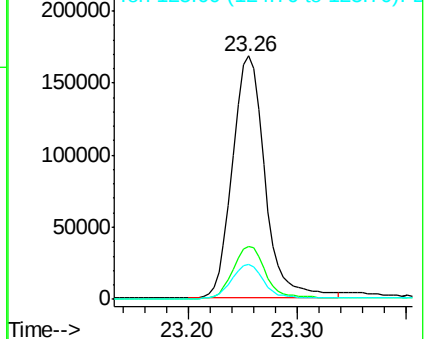
252 100

253 21.9 17.5 26.3

125 14.3 11.6 17.4



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



#36

Dibenzo(a,h)anthracene

Concen: 4.36 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090707.D

Acq: 2 Sep 2015 16:45

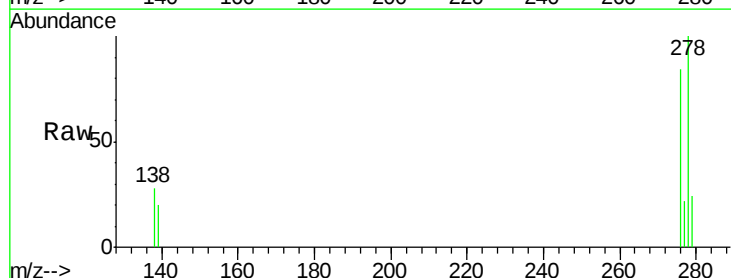
Tgt Ion:278 Resp: 343172

Ion Ratio Lower Upper

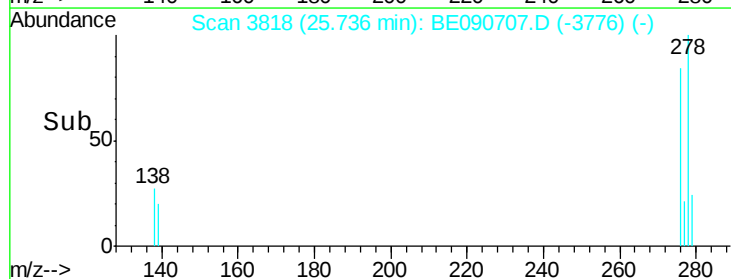
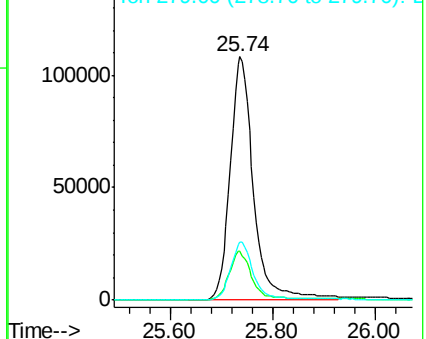
278 100

139 20.1 15.4 23.0

279 23.9 18.8 28.2



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

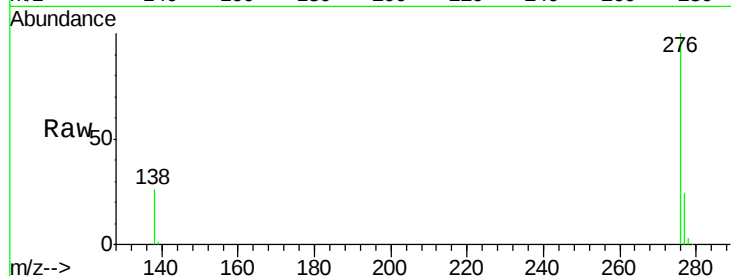




#37  
 Benzo(g,h,i)perylene  
 Concen: 4.73 ng  
 RT: 26.45 min Scan# 3974  
 Delta R.T. -0.00 min  
 Lab File: BE090707.D  
 Acq: 2 Sep 2015 16:45

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW01-082815MS

Tgt Ion: 276 Resp: 352949  
 Ion Ratio Lower Upper  
 276 100  
 277 23.7 18.5 27.7  
 138 25.8 20.1 30.1



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

