

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081815\  
 Data File : BE090567.D  
 Acq On : 18 Aug 2015 23:08  
 Operator : UM/IZ  
 Sample : G3329-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 081615-D534-F-U-B

Quant Time: Aug 19 02:36:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 19 02:30:21 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 23884    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.34 | 136  | 119674   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.19 | 164  | 64660    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.94 | 188  | 137337   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.09 | 240  | 136474   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.39 | 264  | 124417   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.22  | 112 | 18672 | 2.70 | ng | 0.00  |
| 5) Phenol-d6                | 6.78  | 99  | 15324 | 1.51 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.73  | 82  | 31158 | 3.27 | ng | 0.00  |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330 | 20502 | 8.24 | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 12.82 | 172 | 67406 | 3.49 | ng | 0.00  |
| 27) Terphenyl-d14           | 19.55 | 244 | 95808 | 3.84 | ng | 0.00  |

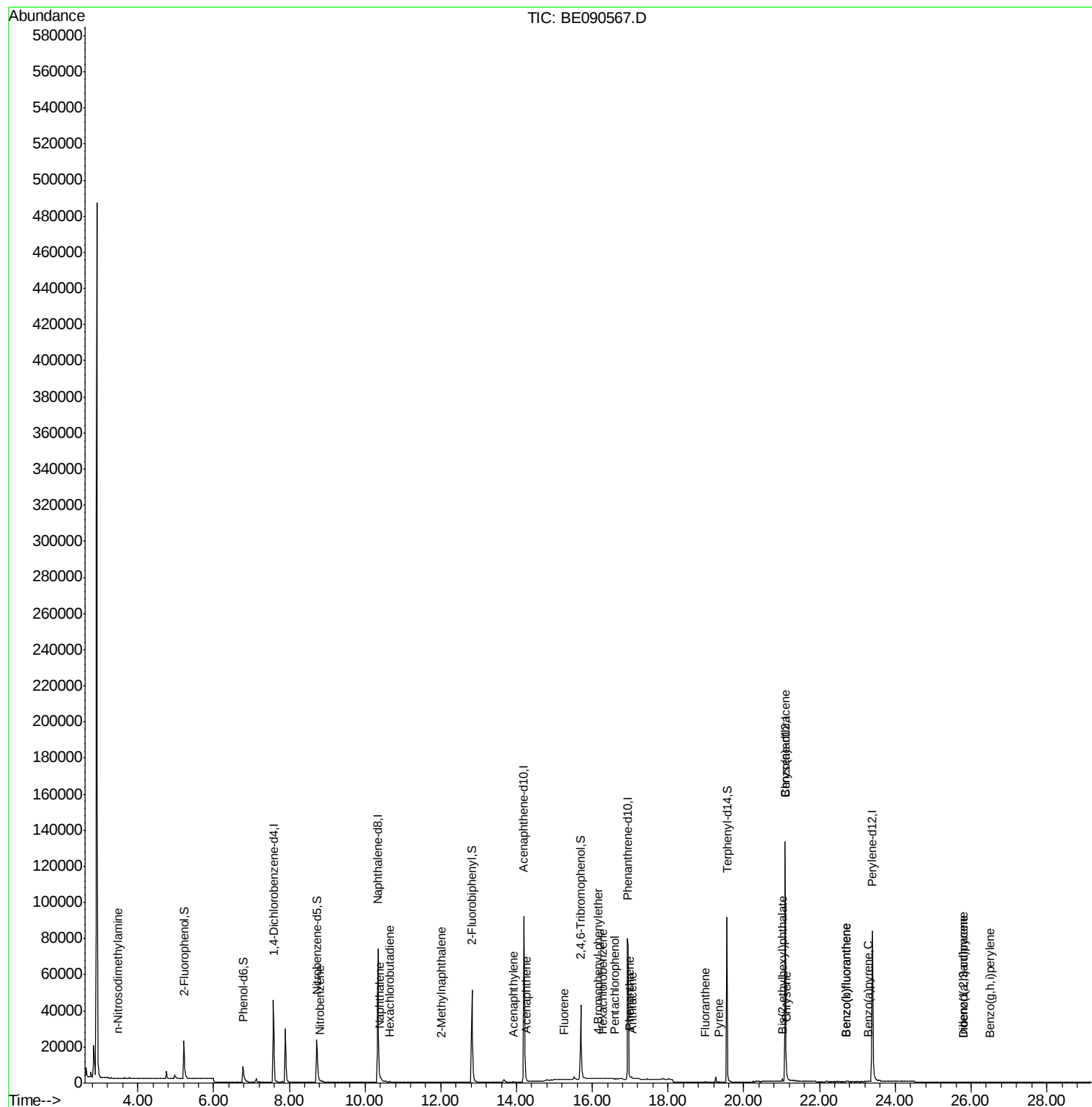
|                                |       |     |      |      |    |        |
|--------------------------------|-------|-----|------|------|----|--------|
| Target Compounds               |       |     |      |      |    | Qvalue |
| 3) n-Nitrosodimethylamine      | 3.48  | 42  | 44   | 0.01 | ng | # 1    |
| 8) Nitrobenzene                | 8.80  | 77  | 3    | 0.00 | ng | # 1    |
| 9) Naphthalene                 | 10.38 | 128 | 194  | 0.01 | ng | # 4    |
| 10) Hexachlorobutadiene        | 10.66 | 225 | 6    | 0.00 | ng | # 61   |
| 11) 2-Methylnaphthalene        | 12.01 | 142 | 71   | 0.00 | ng | # 63   |
| 15) Acenaphthylene             | 13.91 | 152 | 197  | 0.00 | ng | # 83   |
| 16) Acenaphthene               | 14.25 | 154 | 51   | 0.00 | ng | # 94   |
| 17) Fluorene                   | 15.26 | 166 | 186  | 0.01 | ng | # 40   |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248 | 22   | 0.00 | ng | # 1    |
| 20) Hexachlorobenzene          | 16.27 | 284 | 50   | 0.00 | ng | # 61   |
| 21) Pentachlorophenol          | 16.60 | 266 | 22   | 0.31 | ng | # 73   |
| 22) Phenanthrene               | 16.98 | 178 | 522  | 0.01 | ng | # 78   |
| 23) Anthracene                 | 17.07 | 178 | 133  | 0.00 | ng | # 46   |
| 24) Fluoranthene               | 18.98 | 202 | 348  | 0.01 | ng | # 89   |
| 26) Pyrene                     | 19.34 | 202 | 366  | 0.01 | ng | # 92   |
| 28) Benzo(a)anthracene         | 21.09 | 228 | 525  | 0.01 | ng | # 71   |
| 29) Chrysene                   | 21.13 | 228 | 191  | 0.01 | ng | # 48   |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 1779 | 0.22 | ng | # 98   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.79 | 276 | 138  | 0.00 | ng | # 74   |
| 33) Benzo(b)fluoranthene       | 22.70 | 252 | 169  | 0.01 | ng | # 1    |
| 34) Benzo(k)fluoranthene       | 22.70 | 252 | 169  | 0.01 | ng | # 1    |
| 35) Benzo(a)pyrene             | 23.29 | 252 | 149  | 0.01 | ng | # 1    |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278 | 54   | 0.00 | ng | # 1    |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276 | 137  | 0.00 | ng | # 1    |

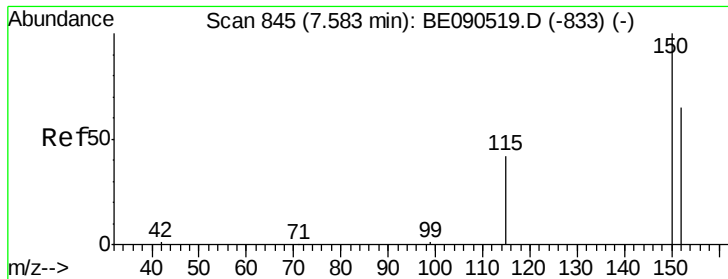
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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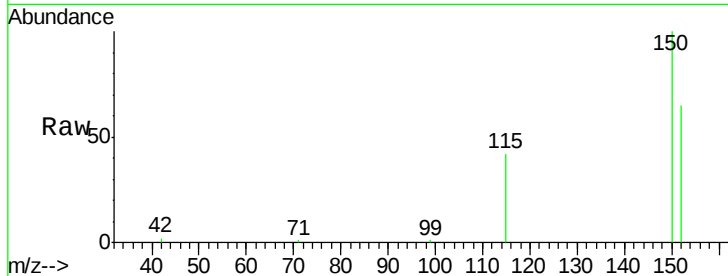


#1

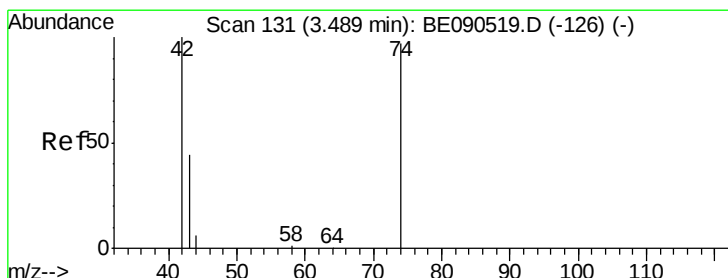
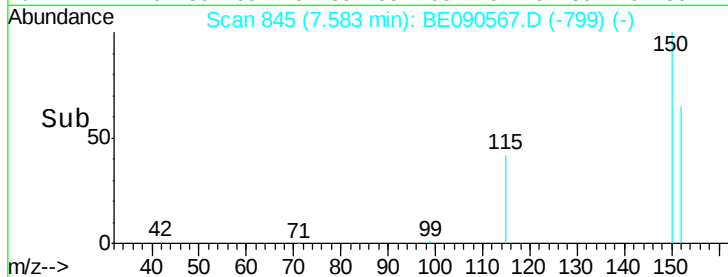
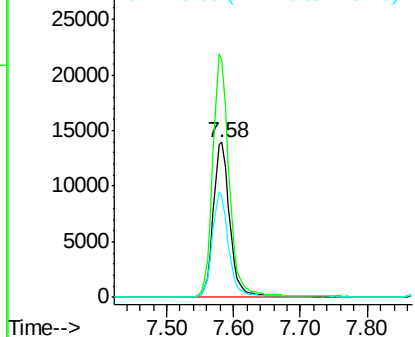
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.58 min Scan# 845  
Delta R.T. 0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

Instrument :  
BNA\_E  
ClientSampleId :  
081615-D534-F-U-B

Tgt Ion: 152 Resp: 23884  
Ion Ratio Lower Upper  
152 100  
150 153.1 123.0 184.4  
115 64.3 48.9 73.3



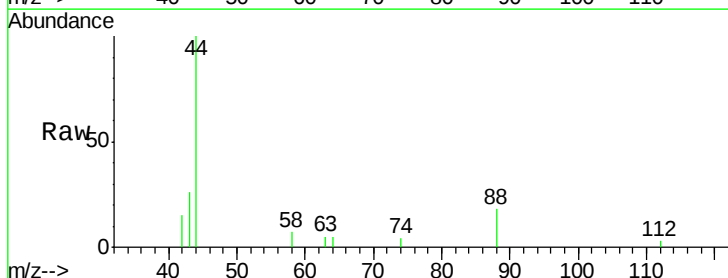
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



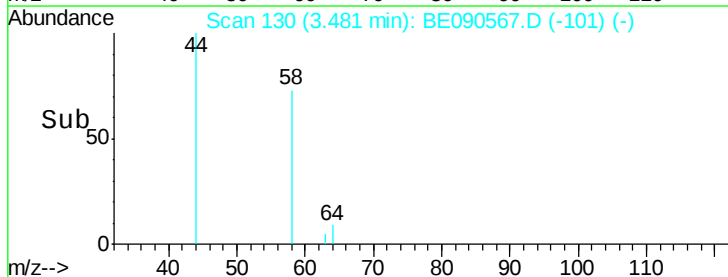
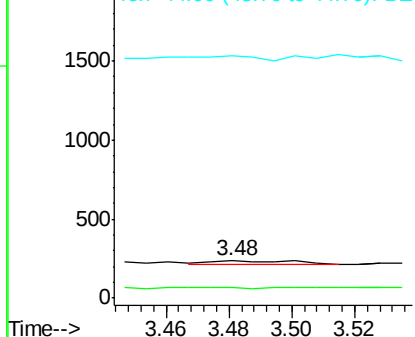
#3

n-Nitrosodimethylamine  
Concen: 0.01 ng  
RT: 3.48 min Scan# 130  
Delta R.T. -0.00 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

Tgt Ion: 42 Resp: 44  
Ion Ratio Lower Upper  
42 100  
74 13.6 75.2 112.8#  
44 136.4 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: 2.70 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.01 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

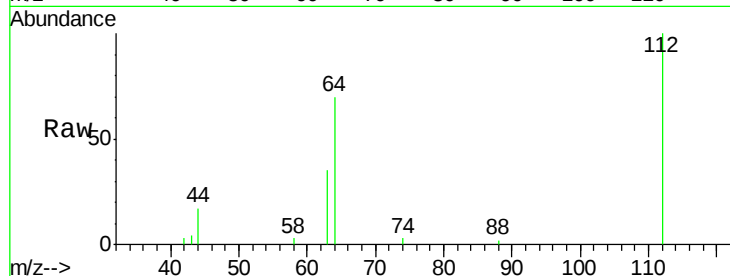
Tgt Ion: 112 Resp: 18672

Ion Ratio Lower Upper

112 100

64 69.2 37.1 55.7#

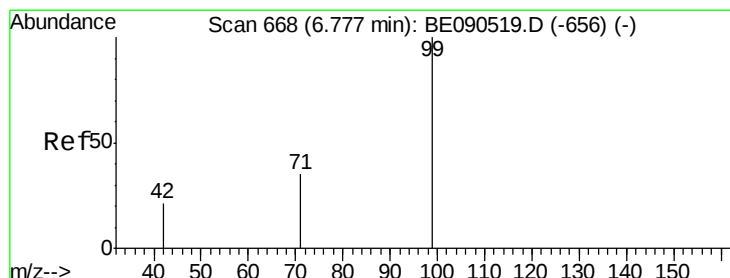
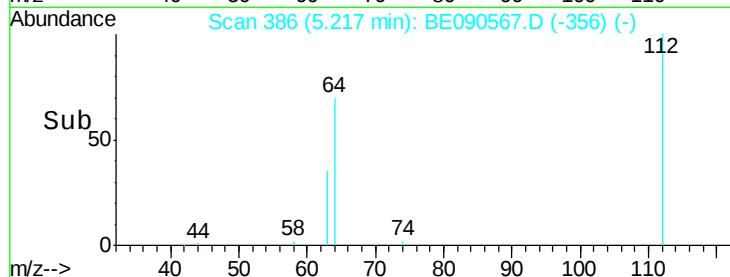
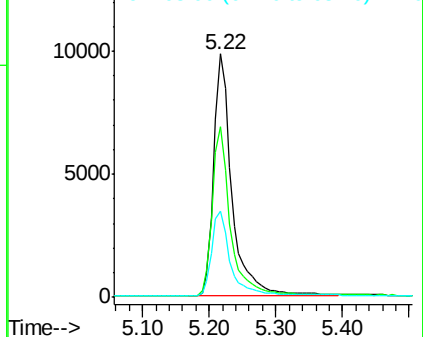
63 34.9 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.51 ng

RT: 6.78 min Scan# 668

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

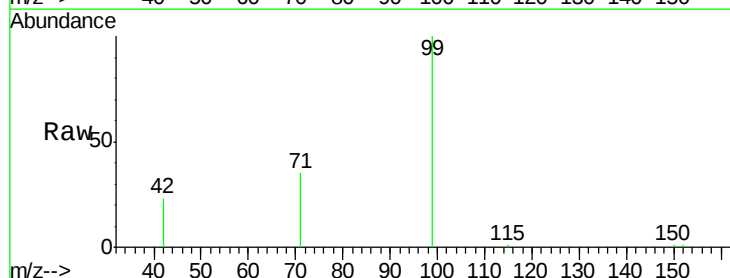
Tgt Ion: 99 Resp: 15324

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.4

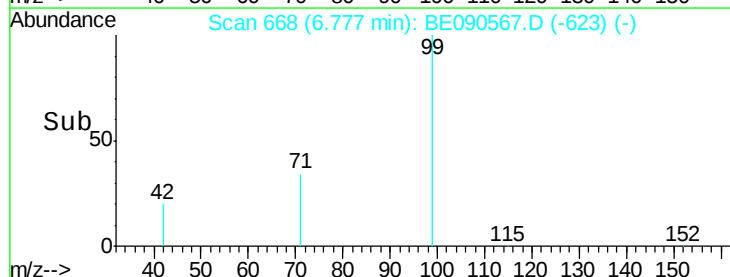
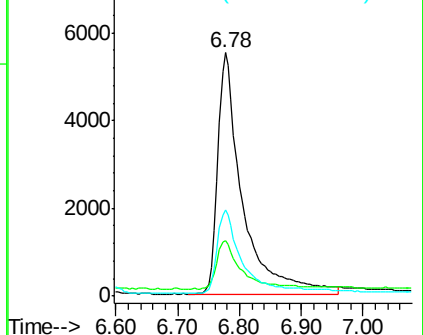
71 33.0 27.4 41.0

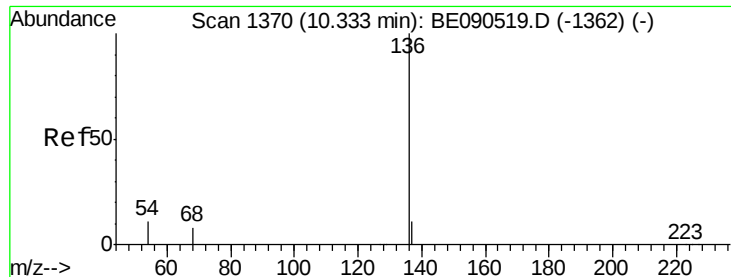


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

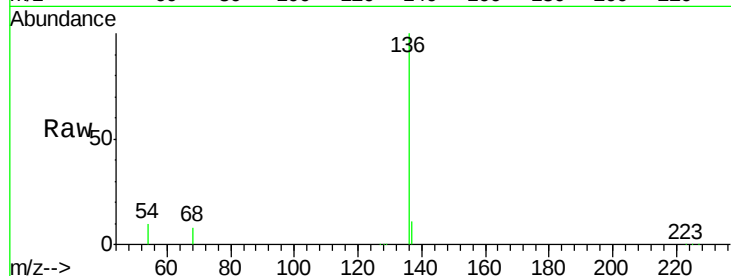




#6  
Naphthalene-d8  
Concen: 5.00 ng  
RT: 10.34 min Scan# 1371  
Delta R.T. 0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

Instrument :  
BNA\_E  
ClientSampleId :  
081615-D534-F-U-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 119674 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.7   | 13.1   |
| 54       | 9.9   | 9.4   | 14.0   |
| 68       | 7.6   | 6.5   | 9.7    |

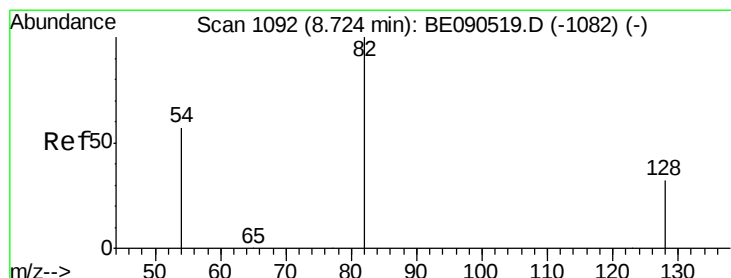
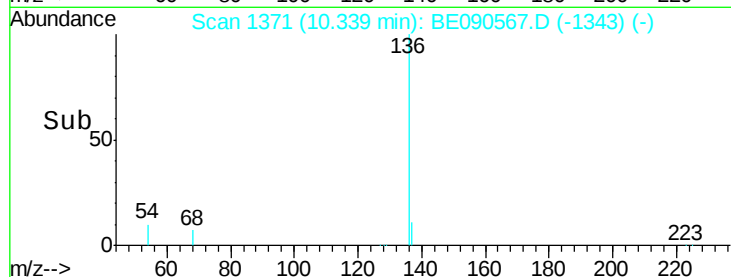
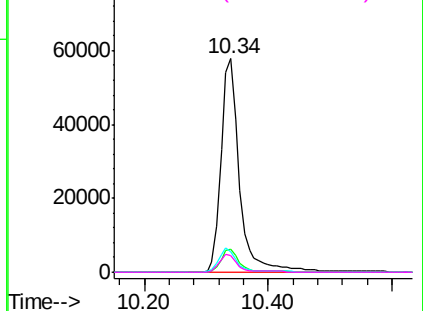


Abundance Ion 136.00 (135.70 to 136.70): BE090519.D (-1362) (-)

Ion 137.00 (136.70 to 137.70): BE090519.D (-1362) (-)

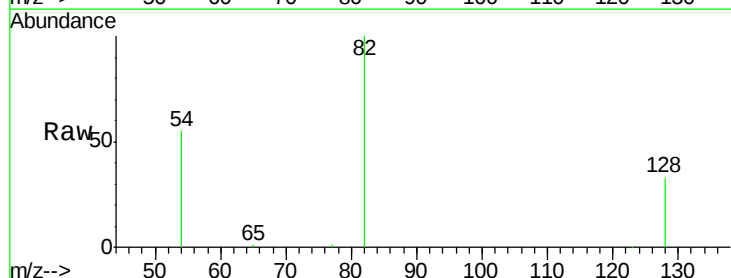
Ion 54.00 (53.70 to 54.70): BE090519.D (-1362) (-)

Ion 68.00 (67.70 to 68.70): BE090519.D (-1362) (-)



#7  
Nitrobenzene-d5  
Concen: 3.27 ng  
RT: 8.73 min Scan# 1092  
Delta R.T. 0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

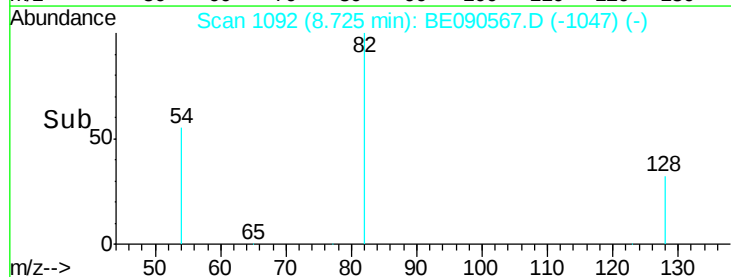
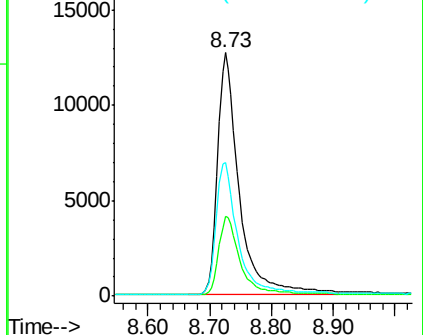
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 31158 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 32.6  | 25.0  | 37.6  |
| 54       | 55.1  | 48.8  | 73.2  |

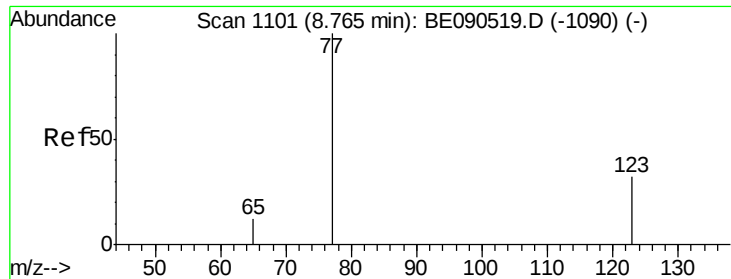


Abundance Ion 82.00 (81.70 to 82.70): BE090519.D (-1082) (-)

Ion 128.00 (127.70 to 128.70): BE090519.D (-1082) (-)

Ion 54.00 (53.70 to 54.70): BE090519.D (-1082) (-)





#8

Nitrobenzene

Concen: 0.00 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.04 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

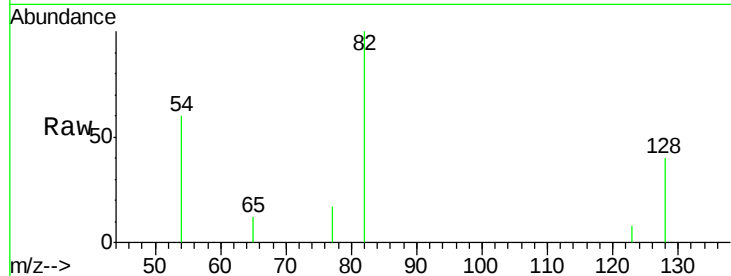
Tgt Ion: 77 Resp: 3

Ion Ratio Lower Upper

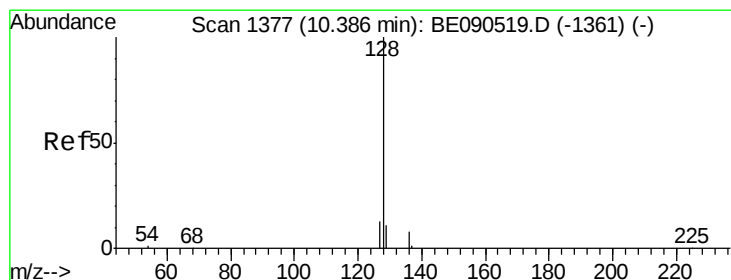
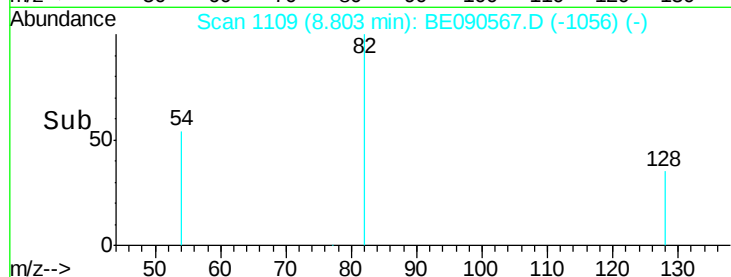
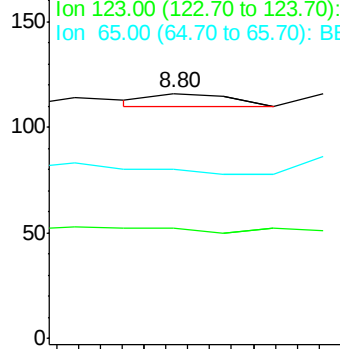
77 100

123 0.0 25.1 37.7#

65 133.3 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: 0.01 ng

RT: 10.38 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

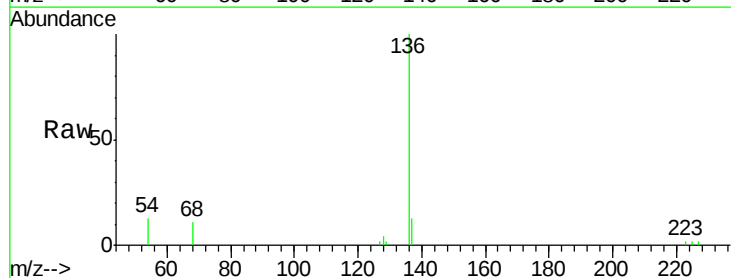
Tgt Ion: 128 Resp: 194

Ion Ratio Lower Upper

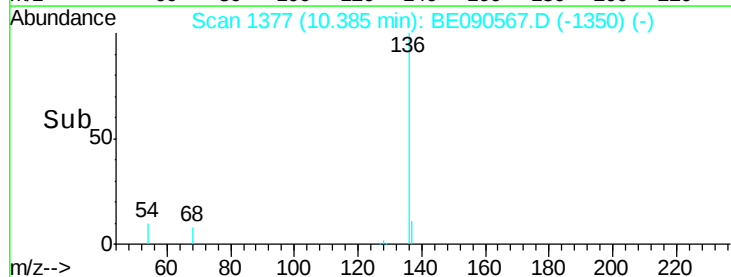
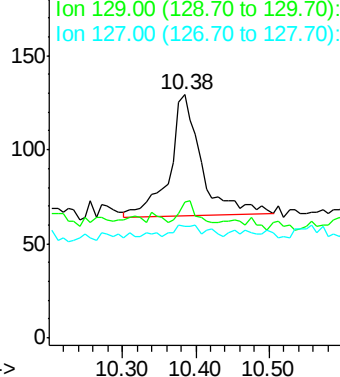
128 100

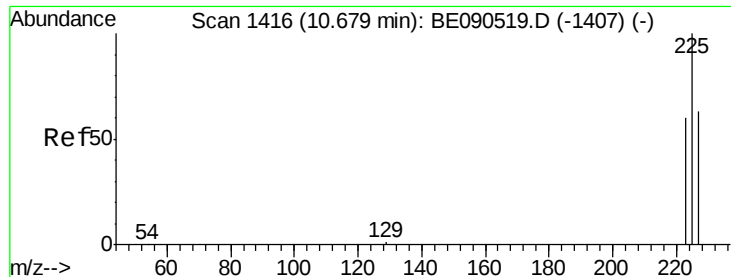
129 55.8 9.8 14.6#

127 45.7 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

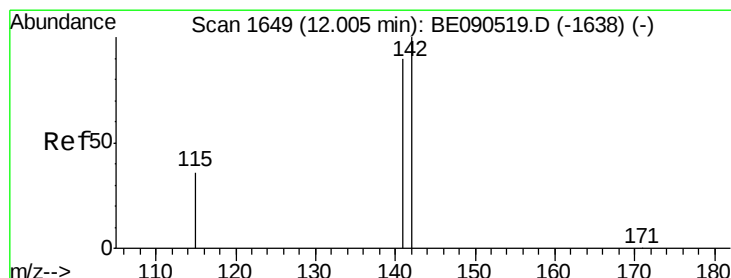
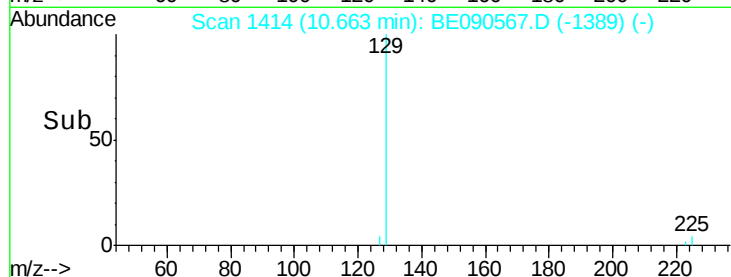
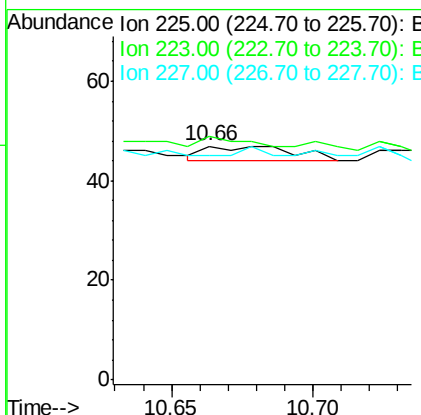
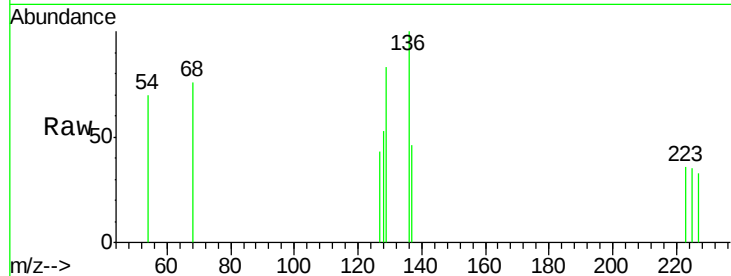




#10  
Hexachlorobutadiene  
Concen: 0.00 ng  
RT: 10.66 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

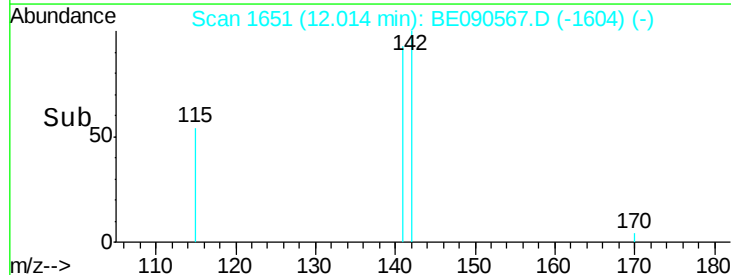
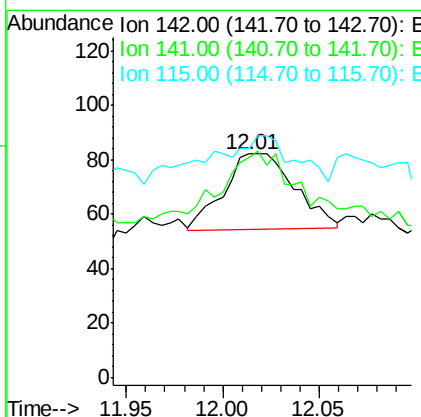
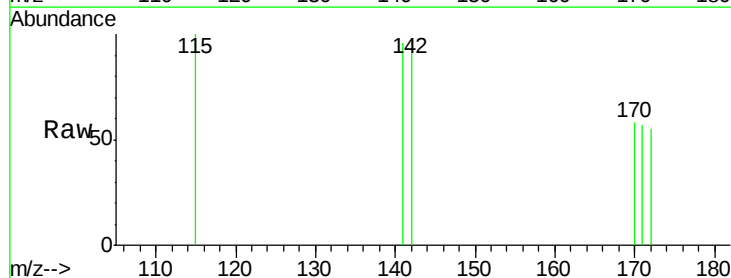
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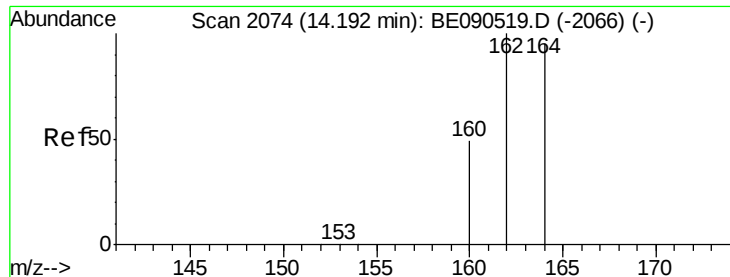
Tgt Ion: 225 Resp: 6  
Ion Ratio Lower Upper  
225 100  
223 33.3 50.6 75.8#  
227 33.3 50.7 76.1#



#11  
2-Methylnaphthalene  
Concen: 0.00 ng  
RT: 12.01 min Scan# 1651  
Delta R.T. 0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

Tgt Ion: 142 Resp: 71  
Ion Ratio Lower Upper  
142 100  
141 98.8 72.6 109.0  
115 102.4 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: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

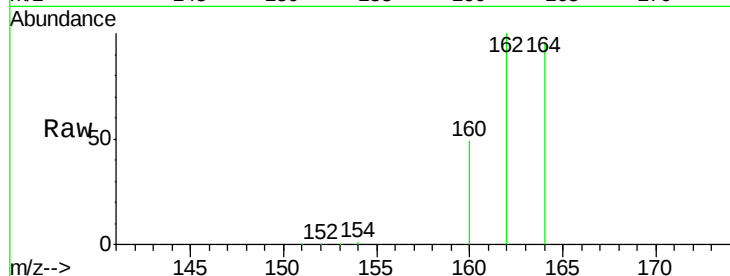
Tgt Ion:164 Resp: 64660

Ion Ratio Lower Upper

164 100

162 105.1 81.8 122.8

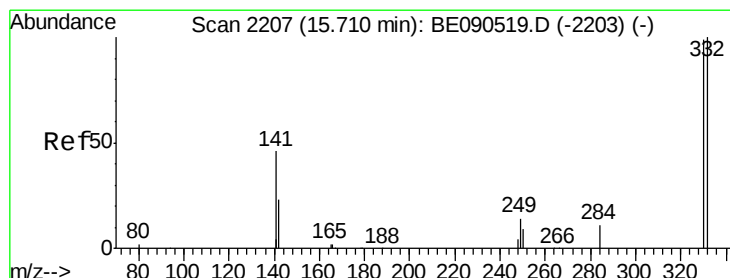
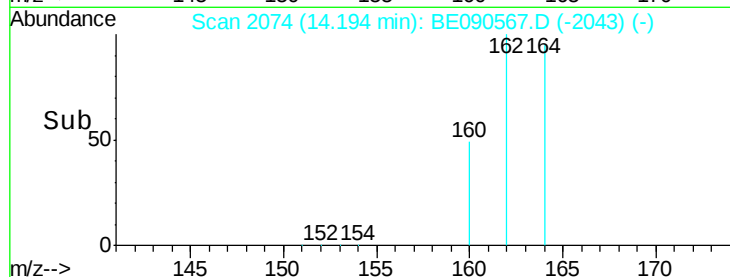
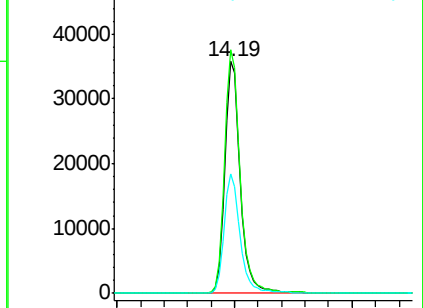
160 51.4 44.2 66.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 8.24 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

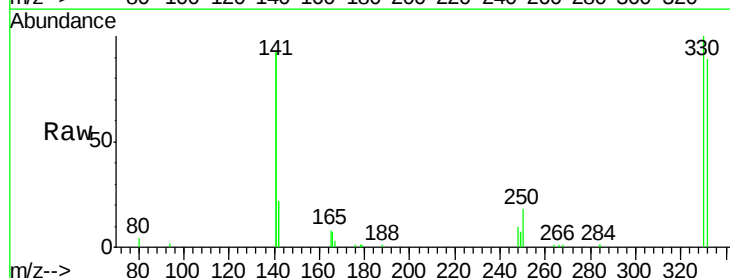
Tgt Ion:330 Resp: 20502

Ion Ratio Lower Upper

330 100

332 95.9 75.8 113.6

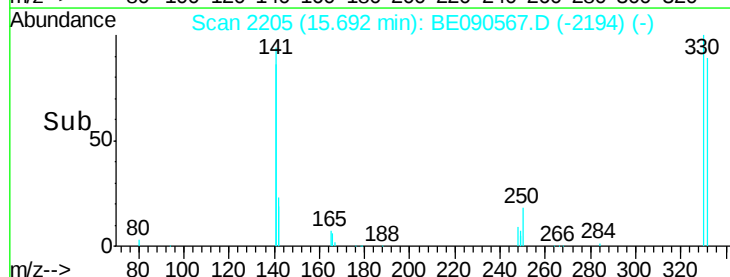
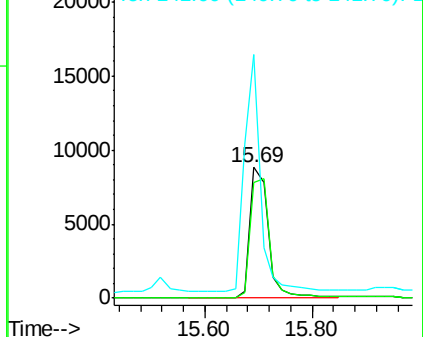
141 162.0 114.4 171.6

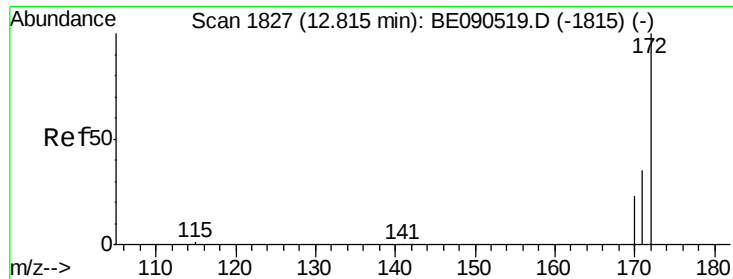


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

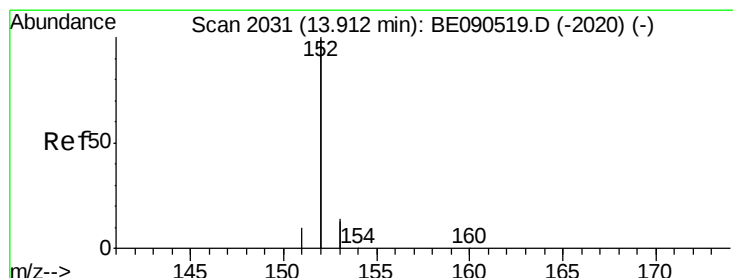
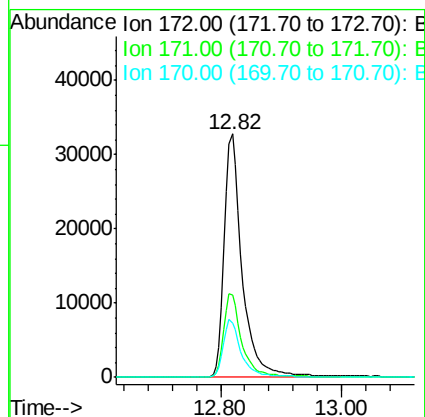
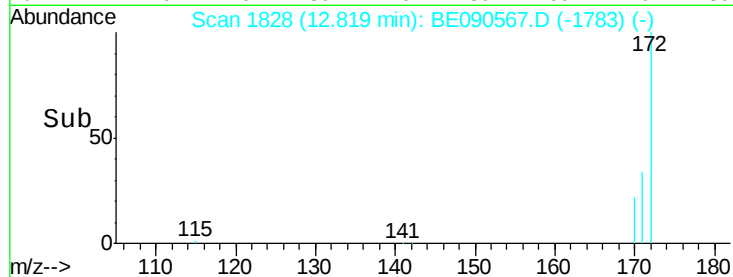
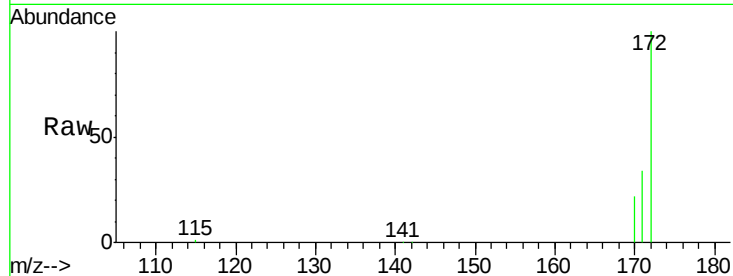




#14  
2-Fluorobiphenyl  
Concen: 3.49 ng  
RT: 12.82 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

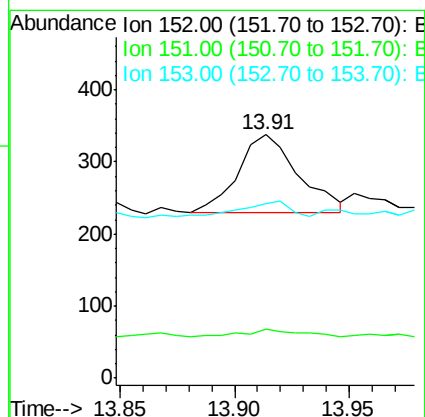
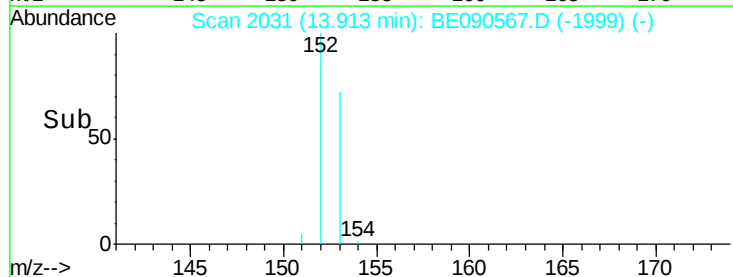
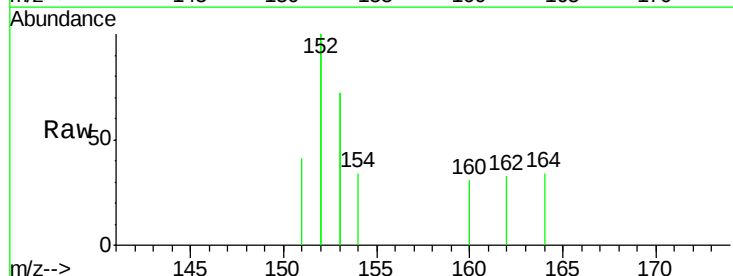
Instrument :  
BNA\_E  
ClientSampleId :  
081615-D534-F-U-B

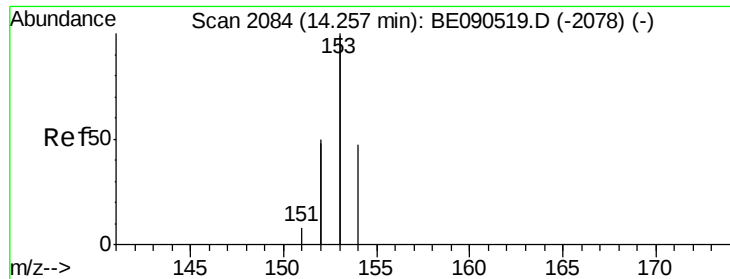
Tgt Ion:172 Resp: 67406  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.5 42.7  
170 22.4 19.8 29.8



#15  
Acenaphthylene  
Concen: 0.00 ng  
RT: 13.91 min Scan# 2031  
Delta R.T. 0.01 min  
Lab File: BE090567.D  
Acq: 18 Aug 2015 23:08

Tgt Ion:152 Resp: 197  
Ion Ratio Lower Upper  
152 100  
151 8.6 3.8 5.8#  
153 20.3 10.3 15.5#





#16

Acenaphthene

Concen: 0.00 ng

RT: 14.25 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

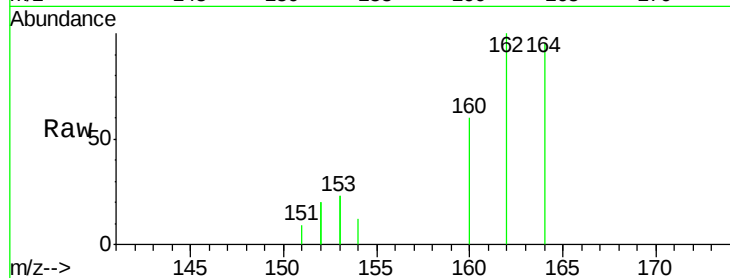
Tgt Ion:154 Resp: 51

Ion Ratio Lower Upper

154 100

153 460.8 376.2 564.2

152 274.5 235.0 352.4



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

400

300

200

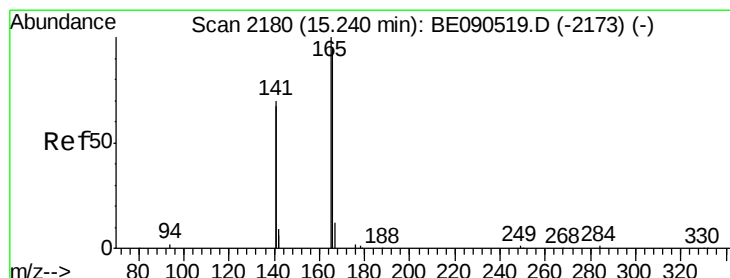
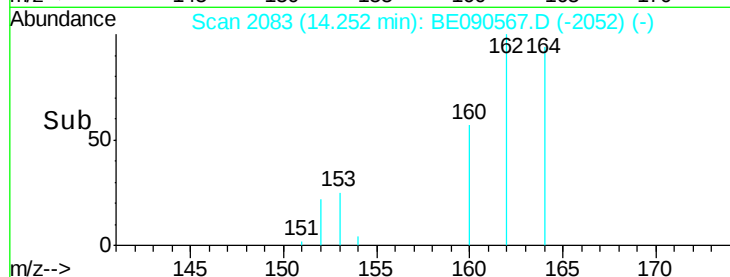
100

0

14.25

14.30

Time-->



#17

Fluorene

Concen: 0.01 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

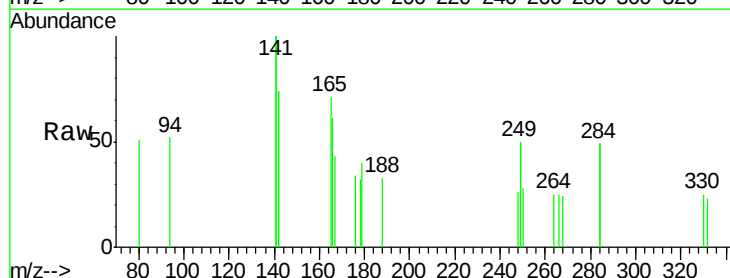
Tgt Ion:166 Resp: 186

Ion Ratio Lower Upper

166 100

165 166.7 81.5 122.3#

167 0.0 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

150

100

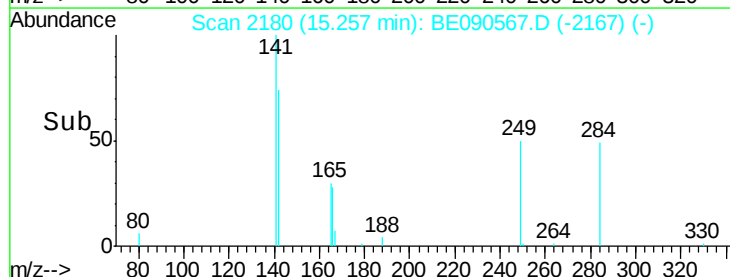
50

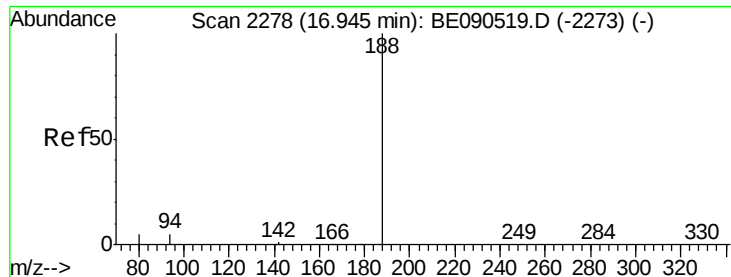
0

15.26

15.40

Time-->





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

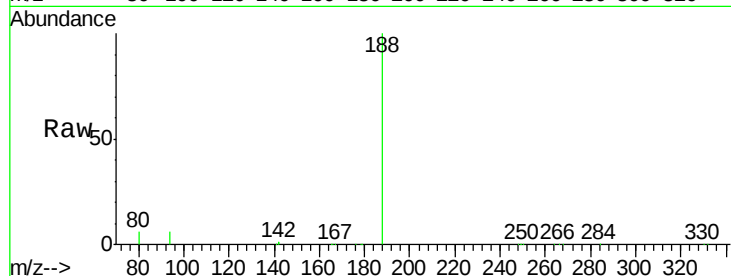
Tgt Ion:188 Resp: 137337

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

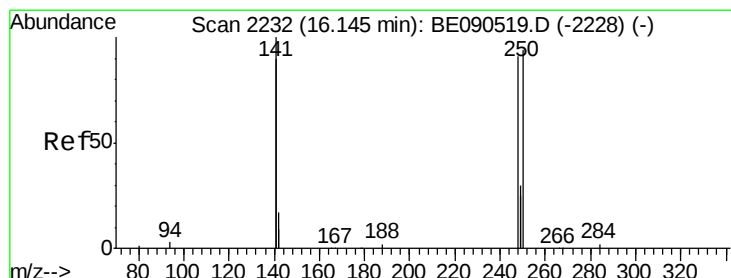
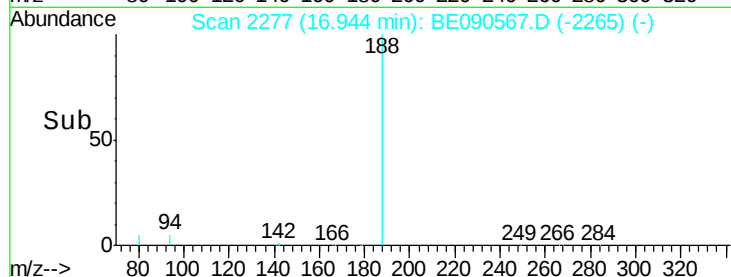
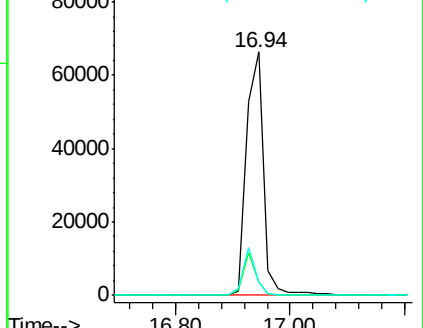
80 5.6 5.8 8.8#



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: 0.00 ng

RT: 16.14 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

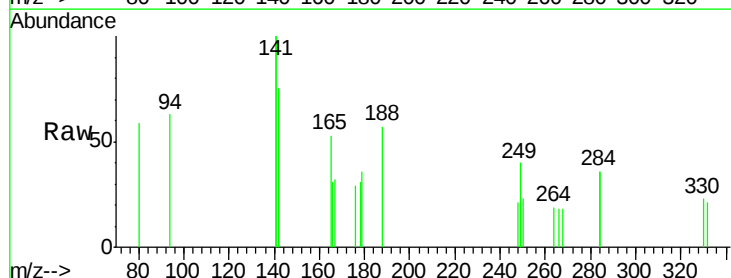
Tgt Ion:248 Resp: 22

Ion Ratio Lower Upper

248 100

250 213.6 79.0 118.6#

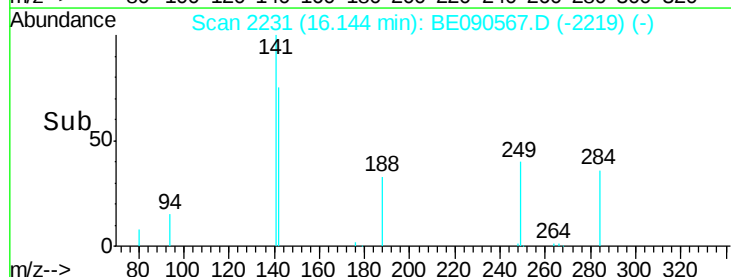
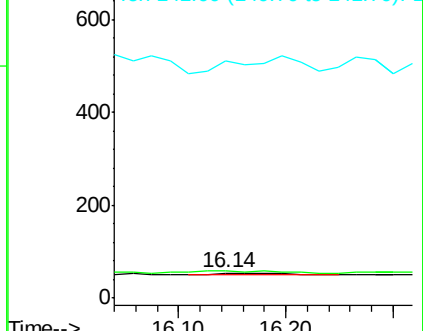
141 0.0 239.5 359.3#

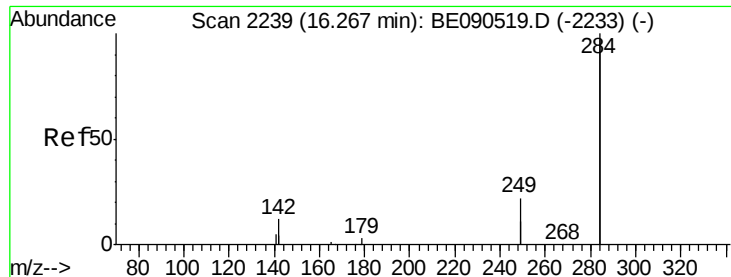


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#20

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.27 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

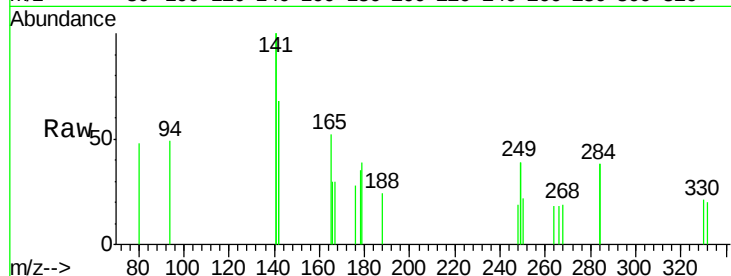
Tgt Ion:284 Resp: 50

Ion Ratio Lower Upper

284 100

142 0.0 30.1 45.1#

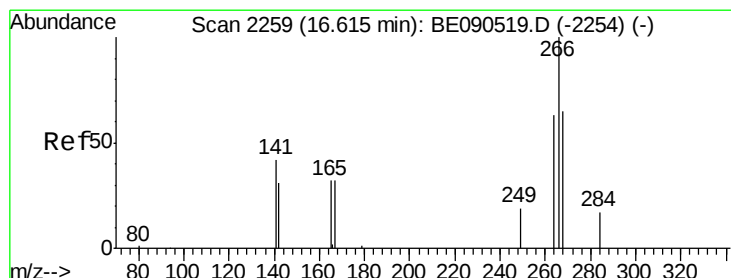
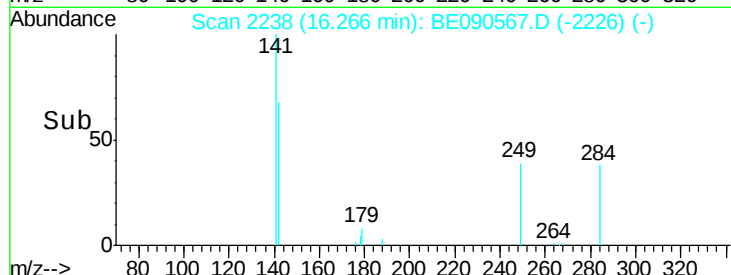
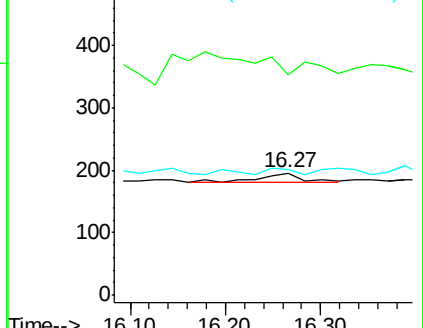
249 38.0 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.31 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

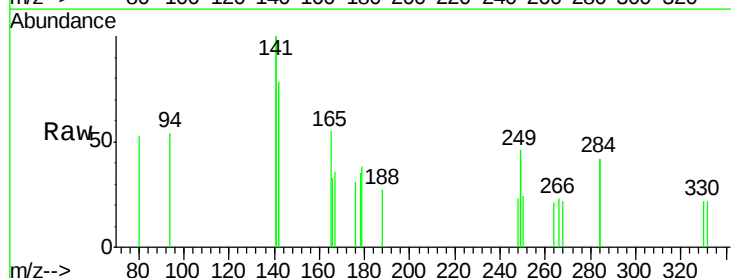
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 96.1 58.5 87.7#

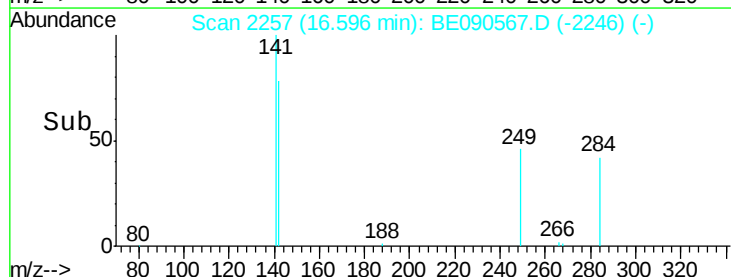
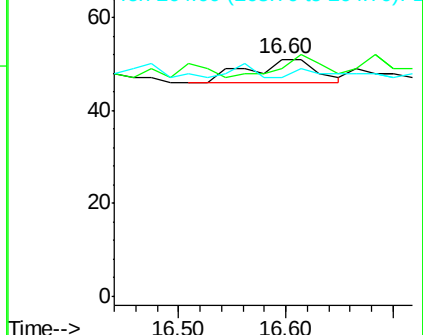
264 92.2 56.0 84.0#

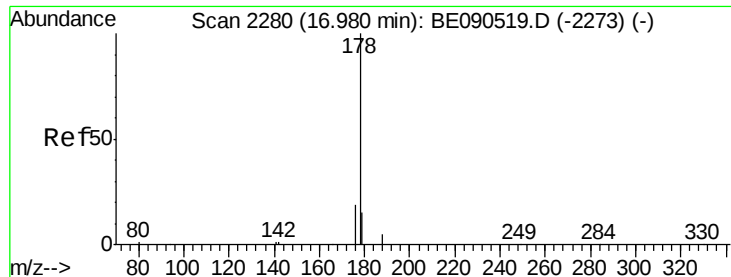


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.01 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

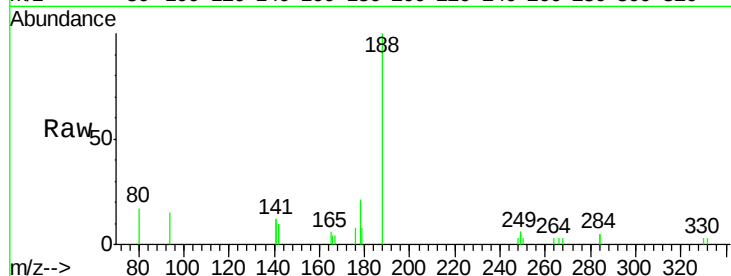
Tgt Ion:178 Resp: 522

Ion Ratio Lower Upper

178 100

176 23.4 15.4 23.2#

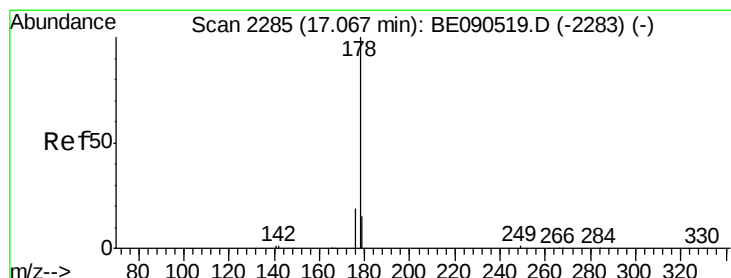
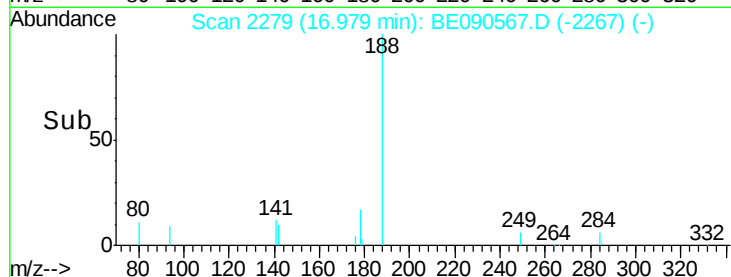
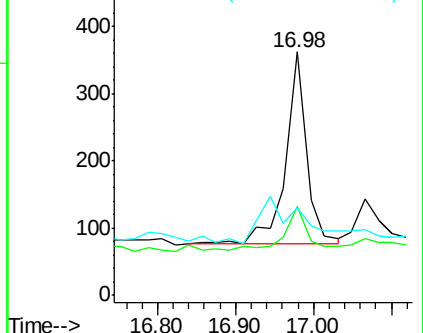
179 0.0 12.5 18.7#



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: 0.00 ng

RT: 17.07 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

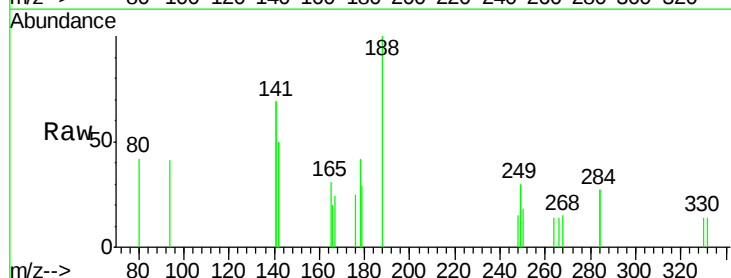
Tgt Ion:178 Resp: 133

Ion Ratio Lower Upper

178 100

176 48.9 14.9 22.3#

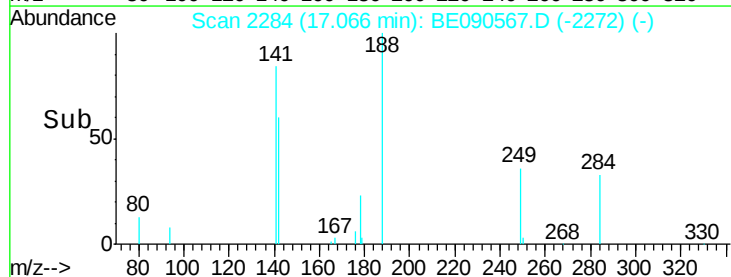
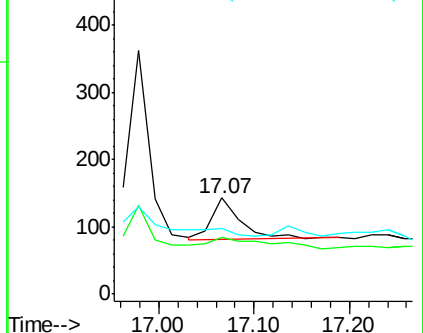
179 0.0 12.2 18.4#

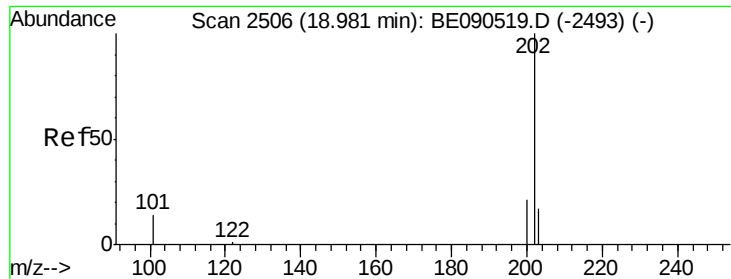


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.01 ng

RT: 18.98 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

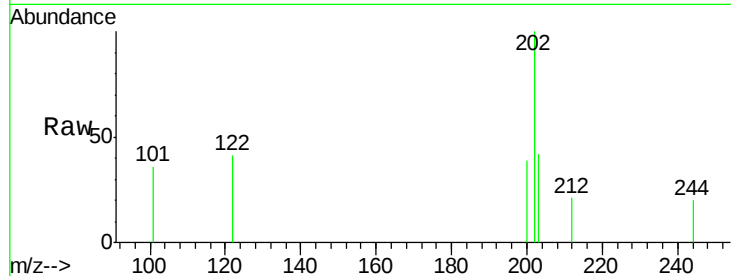
Tgt Ion:202 Resp: 348

Ion Ratio Lower Upper

202 100

101 22.7 10.3 15.5#

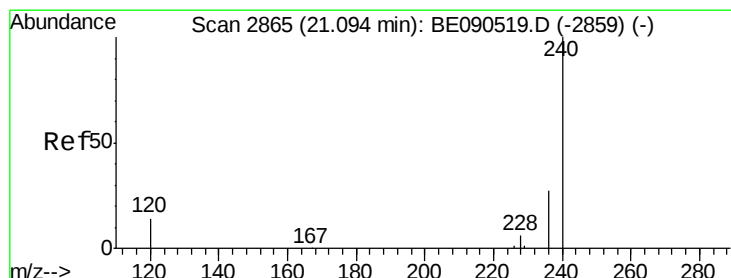
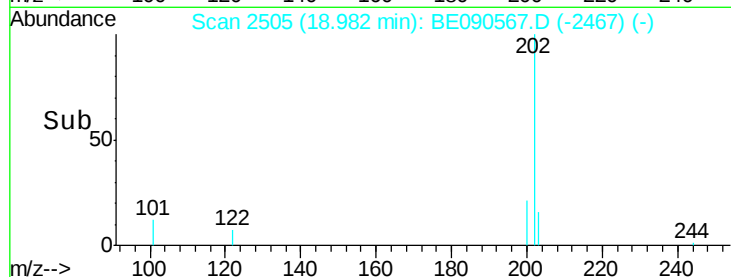
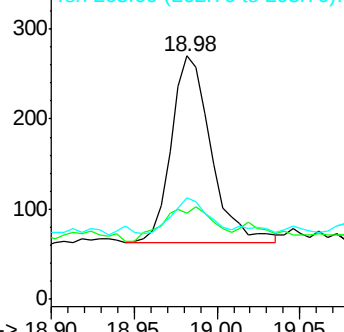
203 16.7 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

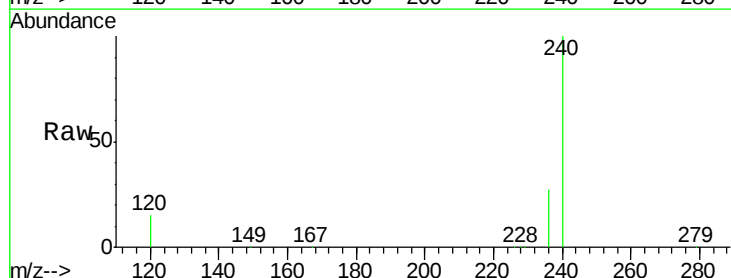
Tgt Ion:240 Resp: 136474

Ion Ratio Lower Upper

240 100

120 14.5 8.3 12.5#

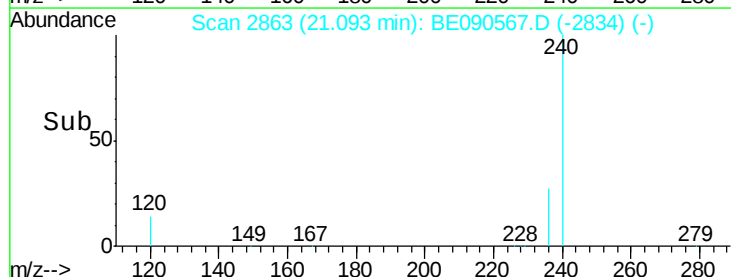
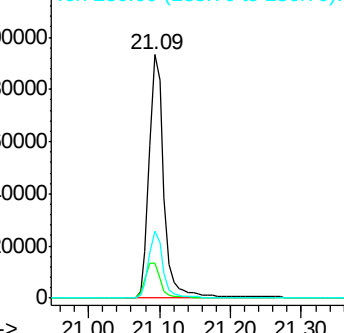
236 27.4 21.0 31.4

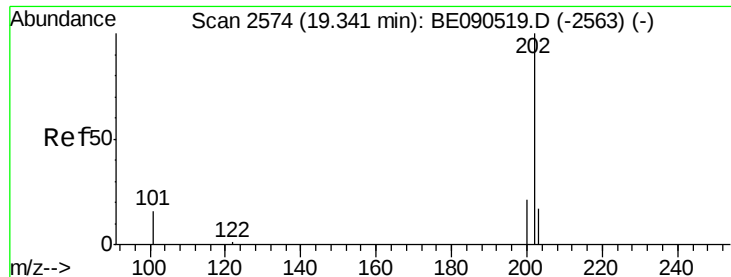


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Pyrene

Concen: 0.01 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

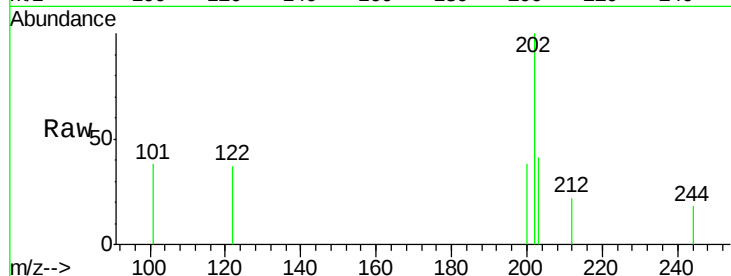
Tgt Ion:202 Resp: 366

Ion Ratio Lower Upper

202 100

200 22.4 16.7 25.1

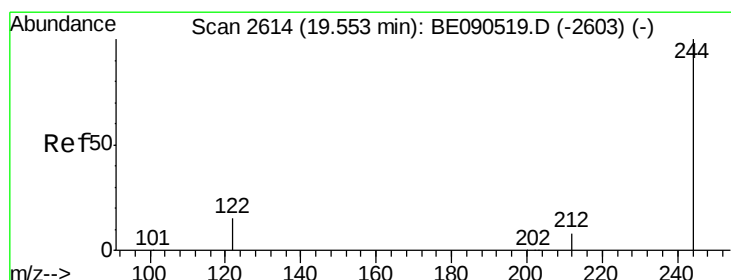
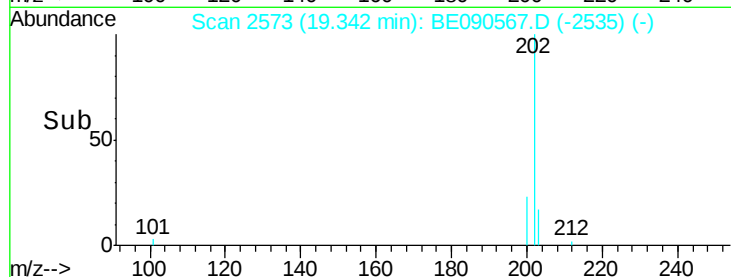
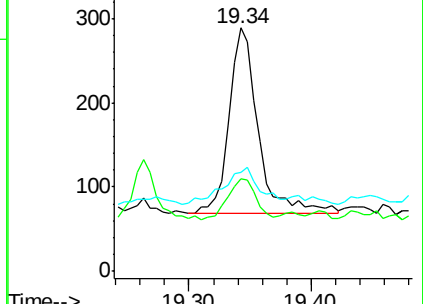
203 23.5 13.8 20.8#



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: 3.84 ng

RT: 19.55 min Scan# 2613

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

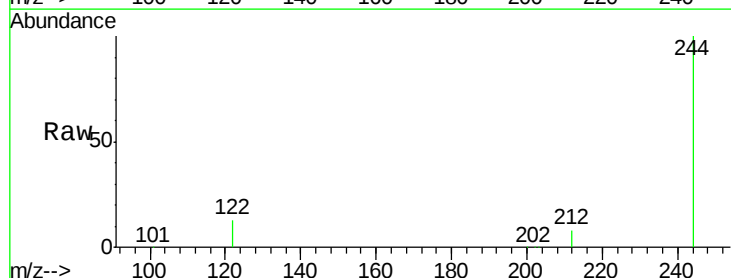
Tgt Ion:244 Resp: 95808

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

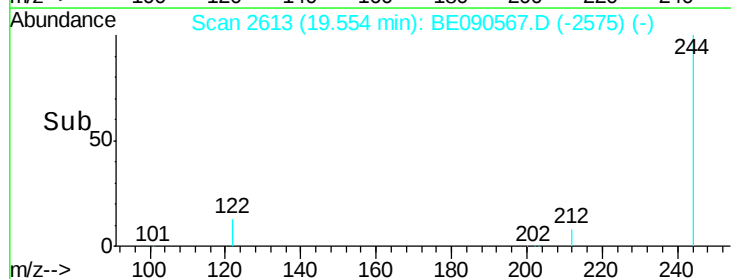
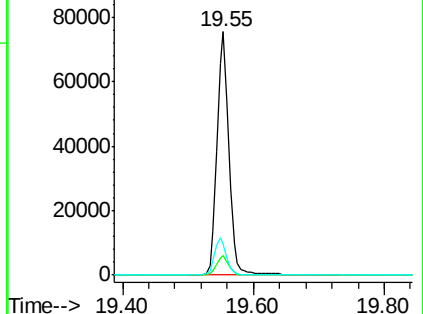
122 12.8 10.2 15.4

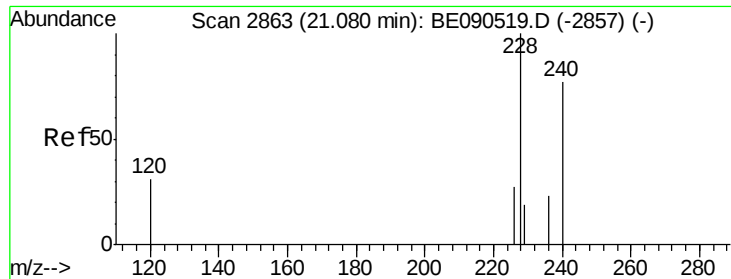


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.01 ng

RT: 21.09 min Scan# 2863

Delta R.T. 0.02 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

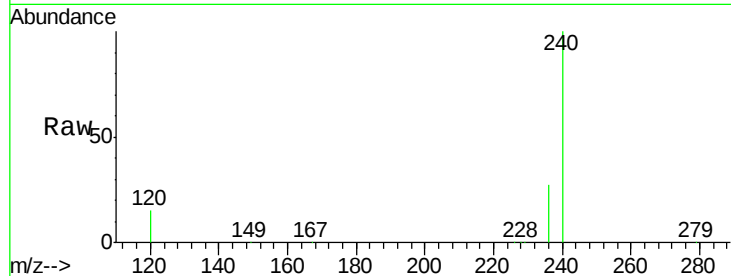
Tgt Ion:228 Resp: 525

Ion Ratio Lower Upper

228 100

226 30.6 21.9 32.9

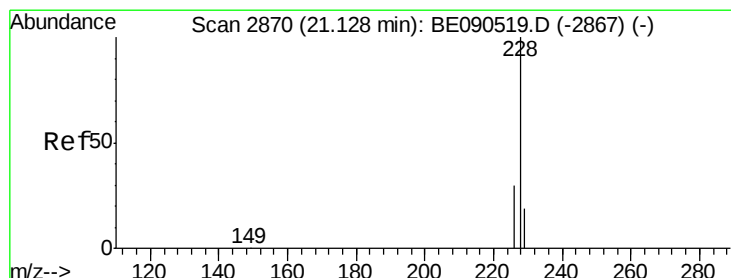
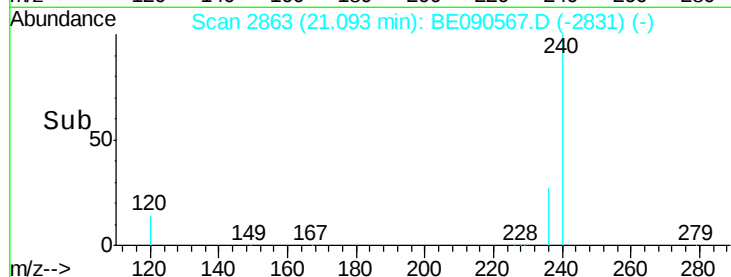
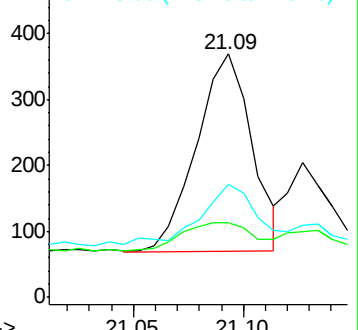
229 46.6 15.4 23.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Chrysene

Concen: 0.01 ng

RT: 21.13 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

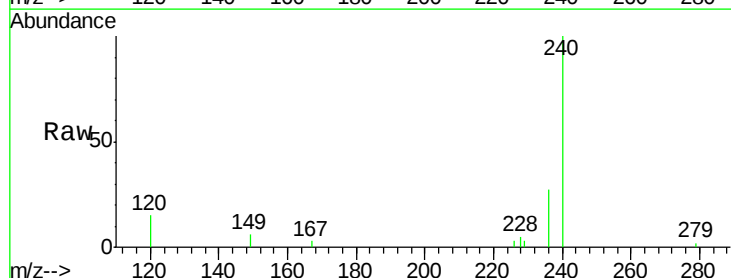
Tgt Ion:228 Resp: 191

Ion Ratio Lower Upper

228 100

226 48.8 23.1 34.7#

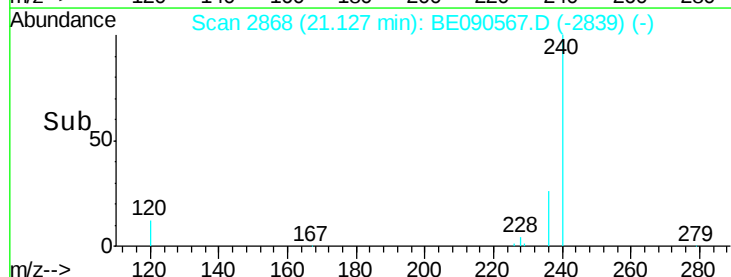
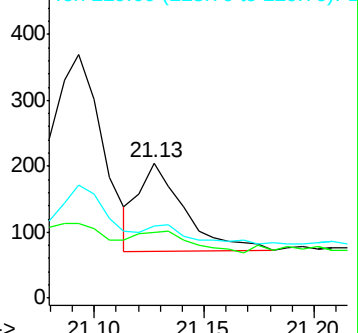
229 53.2 15.8 23.8#

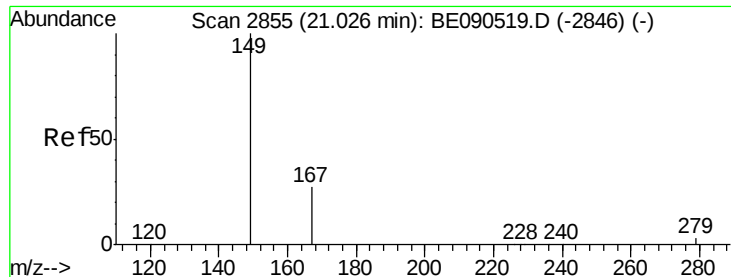


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.02 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

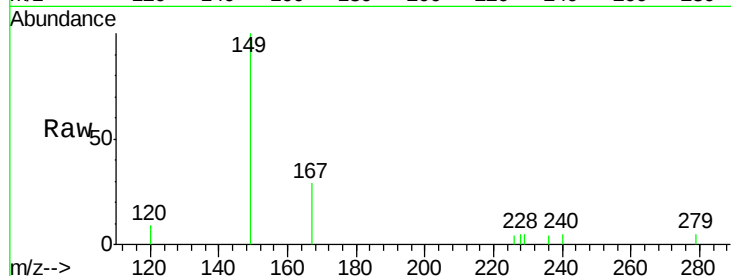
Tgt Ion:149 Resp: 1779

Ion Ratio Lower Upper

149 100

167 26.1 19.8 29.8

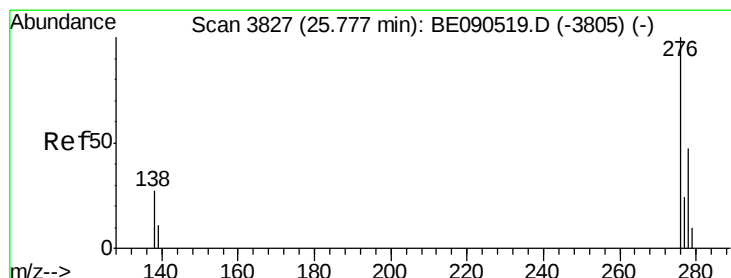
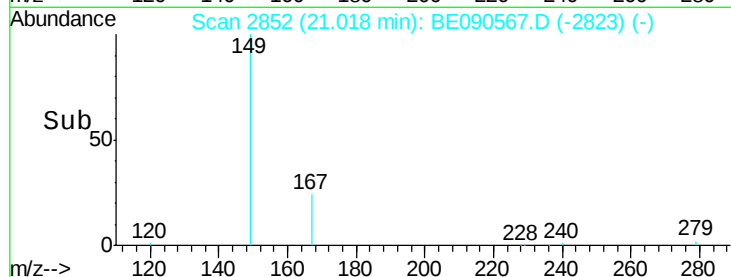
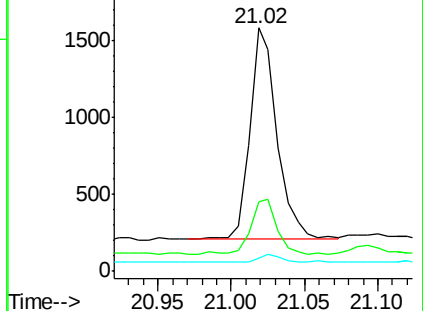
279 2.9 2.4 3.6



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: 0.00 ng

RT: 25.79 min Scan# 3828

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

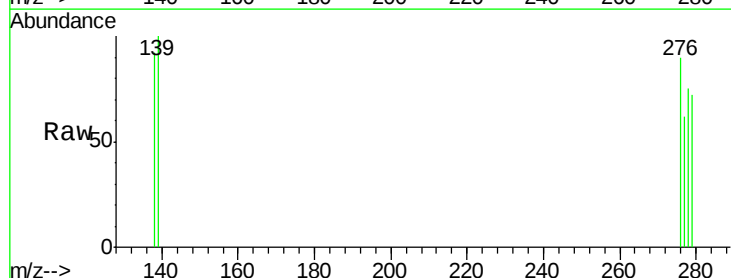
Tgt Ion:276 Resp: 138

Ion Ratio Lower Upper

276 100

138 14.5 18.8 28.2#

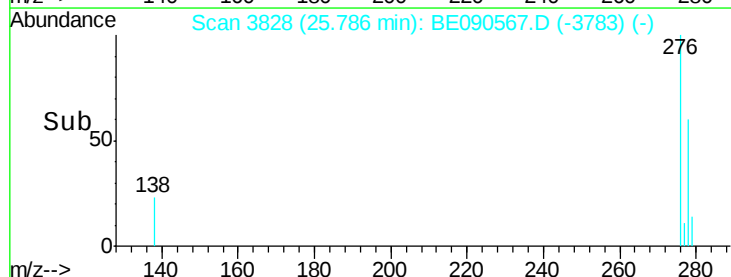
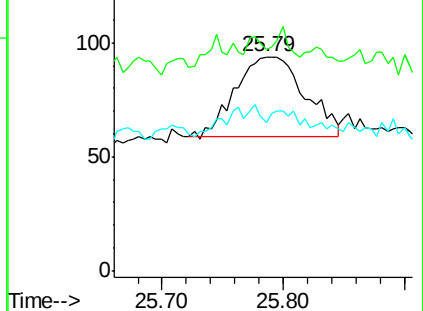
277 6.5 18.2 27.4#

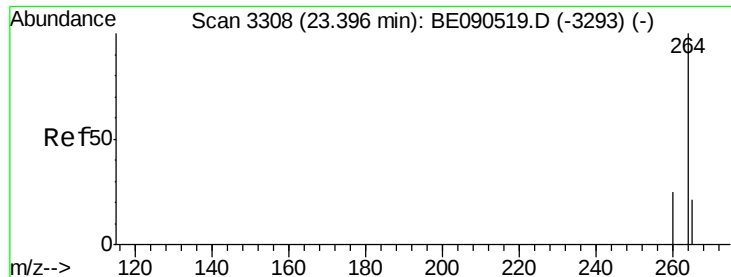


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

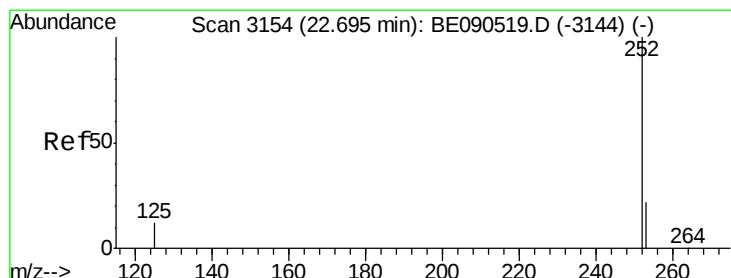
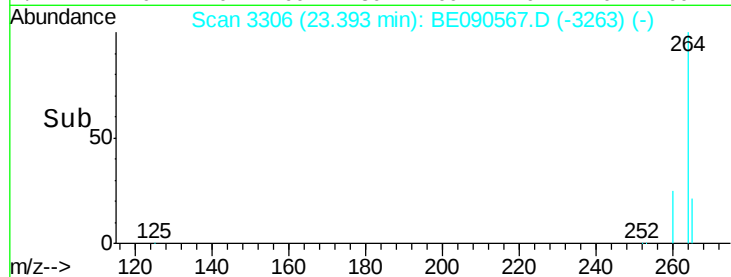
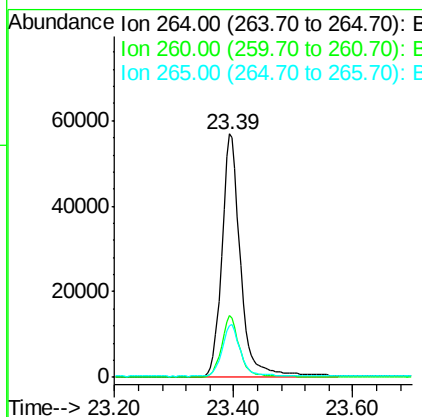
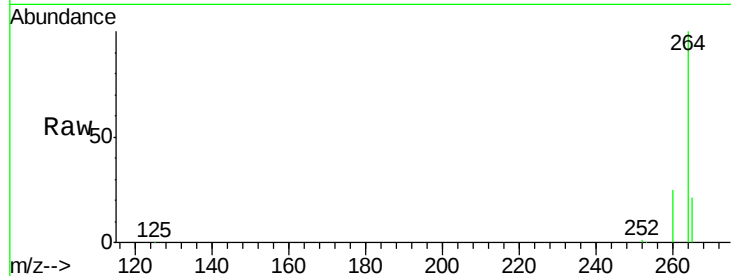




#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.39 min Scan# 3306  
 Delta R.T. -0.00 min  
 Lab File: BE090567.D  
 Acq: 18 Aug 2015 23:08

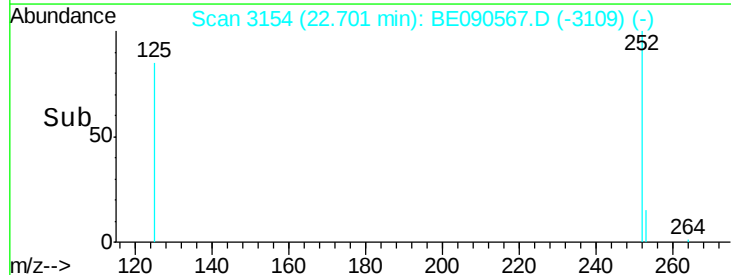
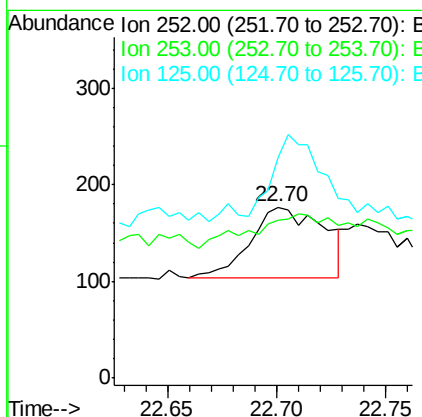
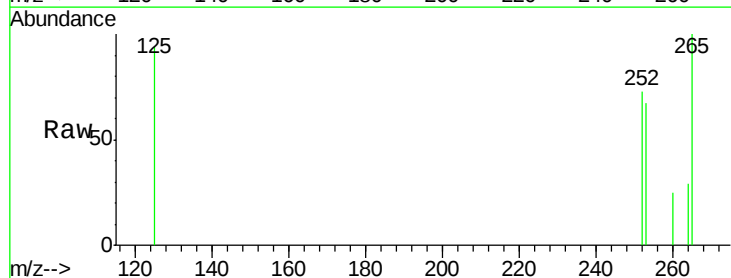
Instrument :  
 BNA\_E  
 ClientSampleId :  
 081615-D534-F-U-B

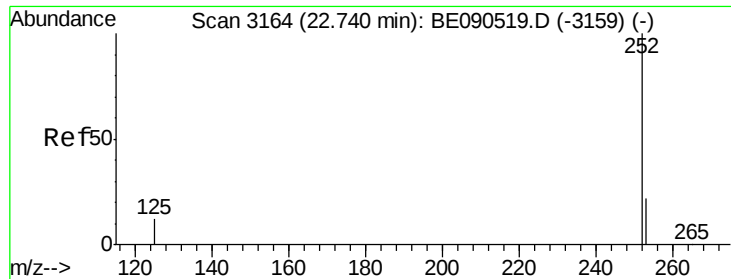
Tgt Ion: 264 Resp: 124417  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 20.1 30.1  
 265 21.3 17.2 25.8



#33  
 Benzo(b)fluoranthene  
 Concen: 0.01 ng  
 RT: 22.70 min Scan# 3154  
 Delta R.T. 0.01 min  
 Lab File: BE090567.D  
 Acq: 18 Aug 2015 23:08

Tgt Ion: 252 Resp: 169  
 Ion Ratio Lower Upper  
 252 100  
 253 92.1 18.1 27.1#  
 125 128.8 9.4 14.2#





#34

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.04 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

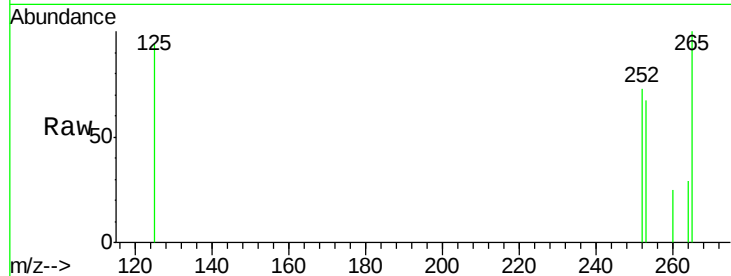
Tgt Ion: 252 Resp: 169

Ion Ratio Lower Upper

252 100

253 92.1 18.1 27.1#

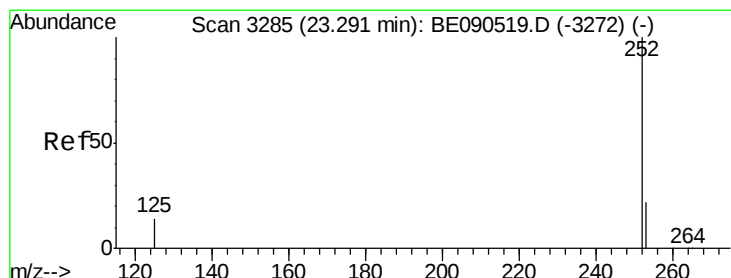
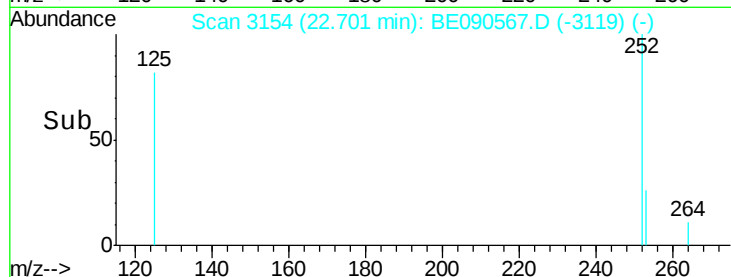
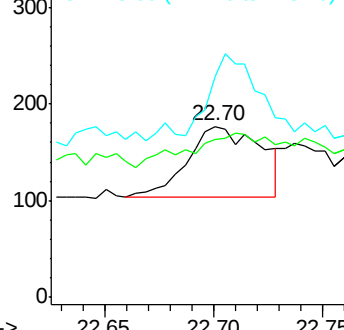
125 128.8 9.1 13.7#



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: 0.01 ng

RT: 23.29 min Scan# 3283

Delta R.T. -0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

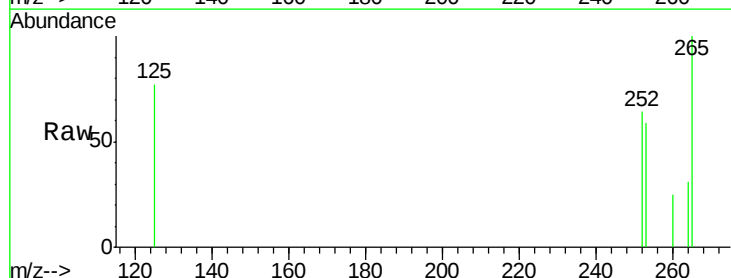
Tgt Ion: 252 Resp: 149

Ion Ratio Lower Upper

252 100

253 92.5 17.6 26.4#

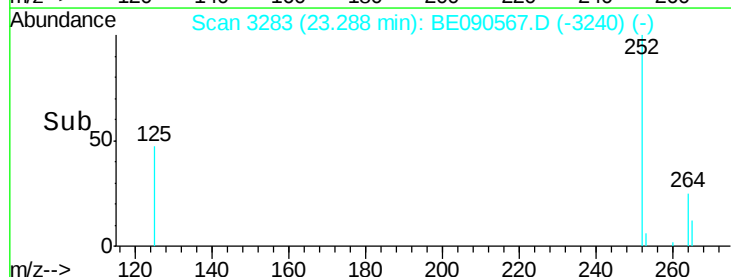
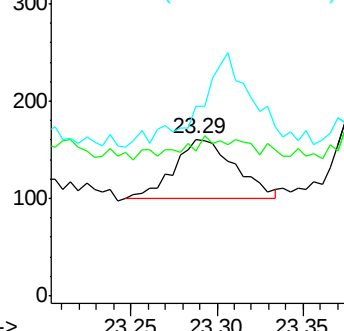
125 121.1 9.8 14.6#

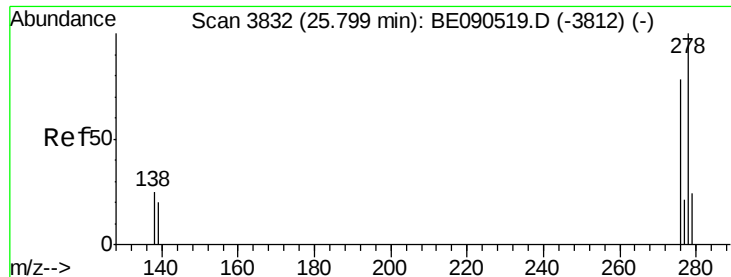


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 25.80 min Scan# 3832

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Instrument :

BNA\_E

ClientSampleId :

081615-D534-F-U-B

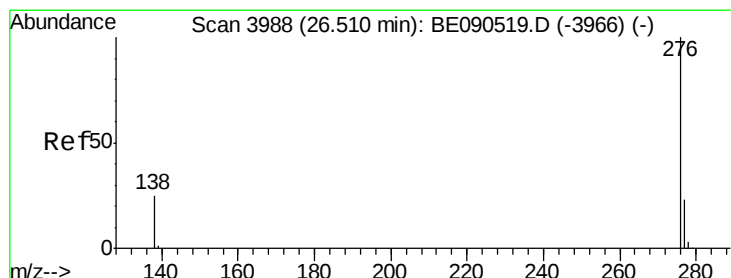
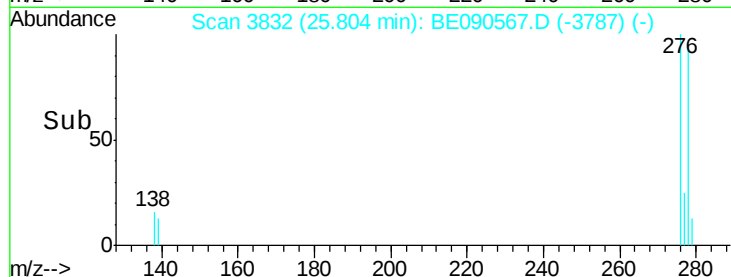
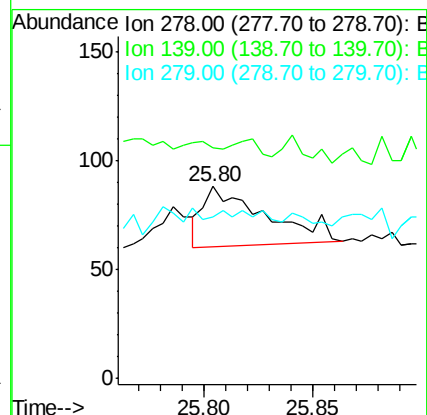
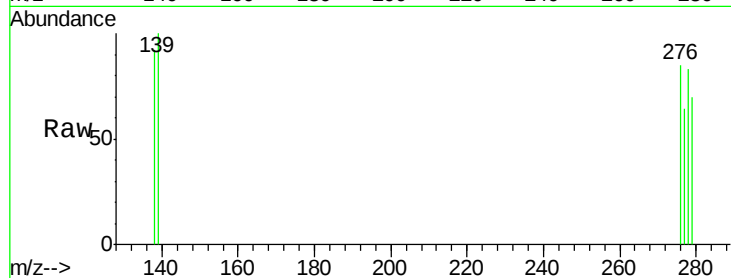
Tgt Ion: 278 Resp: 54

Ion Ratio Lower Upper

278 100

139 120.5 14.2 21.4#

279 84.1 20.1 30.1#



#37

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 26.51 min Scan# 3987

Delta R.T. 0.00 min

Lab File: BE090567.D

Acq: 18 Aug 2015 23:08

Tgt Ion: 276 Resp: 137

Ion Ratio Lower Upper

276 100

277 71.6 20.1 30.1#

138 105.3 18.1 27.1#

