

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE071615\  
 Data File : BE090133.D  
 Acq On : 16 Jul 2015 23:54  
 Operator : TP/IZ  
 Sample : SSTDICV001  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

Quant Time: Jul 17 06:33:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE071615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 17 04:05:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 11931    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.37 | 136  | 52848    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.22 | 164  | 30029    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.96 | 188  | 68140    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.12 | 240  | 68729    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.44 | 264  | 50807    | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.25  | 112 | 2544  | 1.00 | ng | 0.00 |
| 5) Phenol-d6                | 6.79  | 99  | 3693  | 1.02 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.75  | 82  | 3849  | 0.98 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 15.73 | 330 | 518   | 0.59 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 12.84 | 172 | 8969  | 0.97 | ng | 0.00 |
| 27) Terphenyl-d14           | 19.58 | 244 | 11399 | 0.99 | ng | 0.00 |

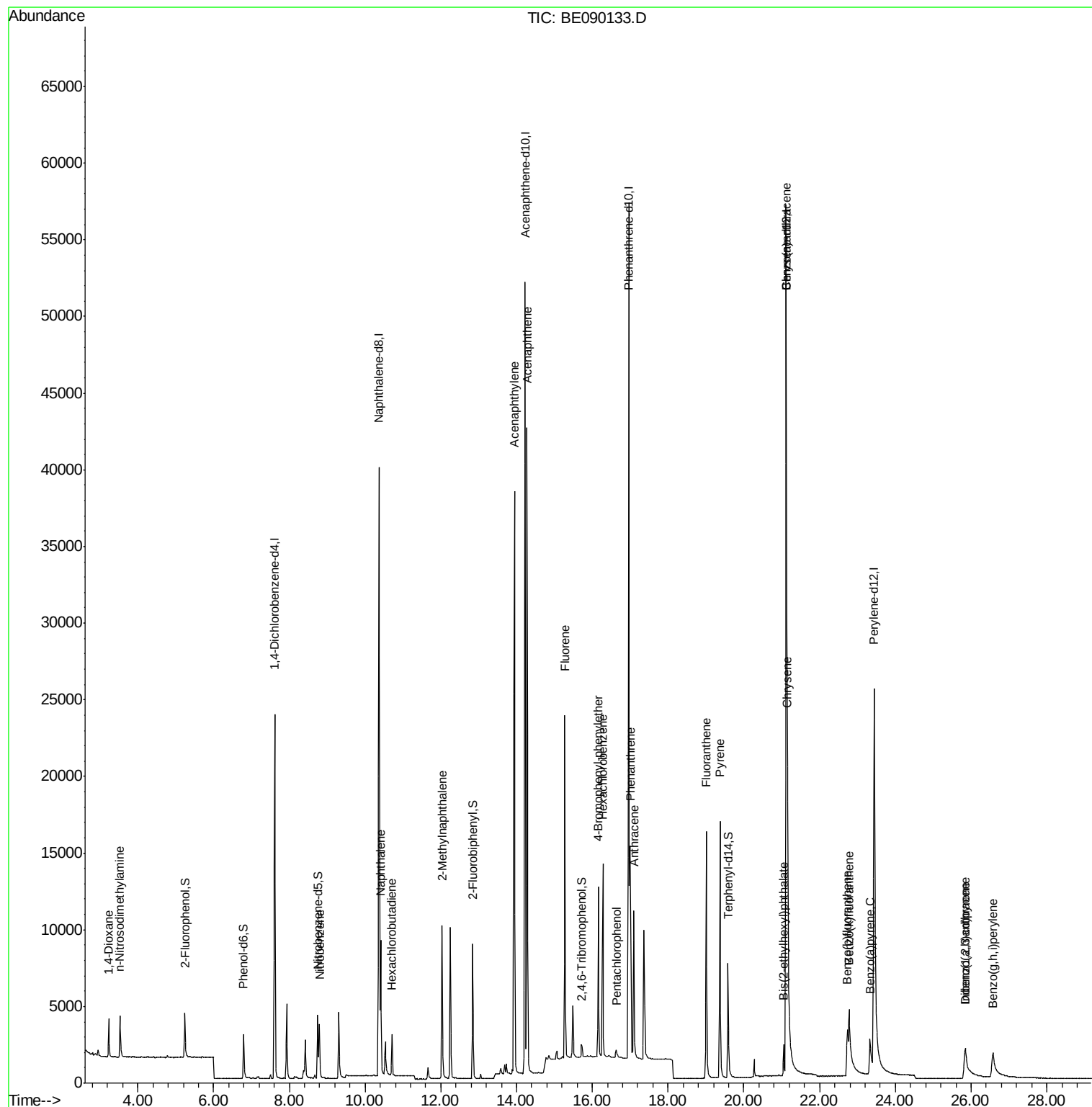
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 1526  | 0.96   | ng | 99   |
| 3) n-Nitrosodimethylamine      | 3.52  | 42  | 1785  | 0.95   | ng | 92   |
| 8) Nitrobenzene                | 8.79  | 77  | 4089  | 0.99   | ng | 99   |
| 9) Naphthalene                 | 10.41 | 128 | 11626 | 0.97   | ng | 100  |
| 10) Hexachlorobutadiene        | 10.71 | 225 | 1933  | 0.96   | ng | 100  |
| 11) 2-Methylnaphthalene        | 12.03 | 142 | 7617  | 0.99   | ng | 98   |
| 15) Acenaphthylene             | 13.94 | 152 | 52352 | 0.98   | ng | 100  |
| 16) Acenaphthene               | 14.29 | 154 | 7469  | 0.97   | ng | 99   |
| 17) Fluorene                   | 15.27 | 166 | 9713  | 0.96   | ng | 99   |
| 19) 4-Bromophenyl-phenylether  | 16.16 | 248 | 2846  | 0.98   | ng | 97   |
| 20) Hexachlorobenzene          | 16.28 | 284 | 12198 | 0.96   | ng | 99   |
| 21) Pentachlorophenol          | 16.63 | 266 | 413   | 1.04   | ng | 98   |
| 22) Phenanthrene               | 17.00 | 178 | 16385 | 0.96   | ng | 100  |
| 23) Anthracene                 | 17.10 | 178 | 14671 | 0.96   | ng | 100  |
| 24) Fluoranthene               | 19.01 | 202 | 16877 | 1.00   | ng | 100  |
| 26) Pyrene                     | 19.37 | 202 | 17244 | 0.93   | ng | 100  |
| 28) Benzo(a)anthracene         | 21.11 | 228 | 12471 | 1.07   | ng | 100  |
| 29) Chrysene                   | 21.15 | 228 | 19056 | 0.92   | ng | 99   |
| 30) Bis(2-ethylhexyl)phthalate | 21.05 | 149 | 2342  | 0.98   | ng | # 99 |
| 31) Indeno(1,2,3-cd)pyrene     | 25.83 | 276 | 4968  | 1.36   | ng | # 92 |
| 33) Benzo(b)fluoranthene       | 22.73 | 252 | 4892  | 1.32   | ng | 100  |
| 34) Benzo(k)fluoranthene       | 22.78 | 252 | 12231 | 0.95   | ng | 99   |
| 35) Benzo(a)pyrene             | 23.33 | 252 | 5915  | 0.94   | ng | 100  |
| 36) Dibenzo(a,h)anthracene     | 25.85 | 278 | 3432  | 1.36   | ng | 98   |
| 37) Benzo(g,h,i)perylene       | 26.58 | 276 | 6328  | 0.94   | ng | 97   |

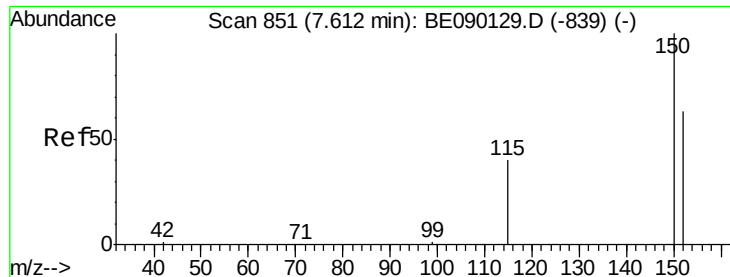
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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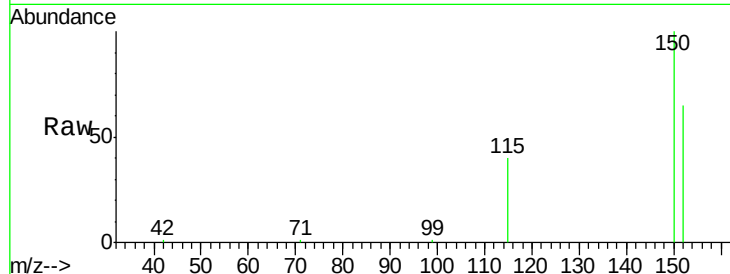


#1

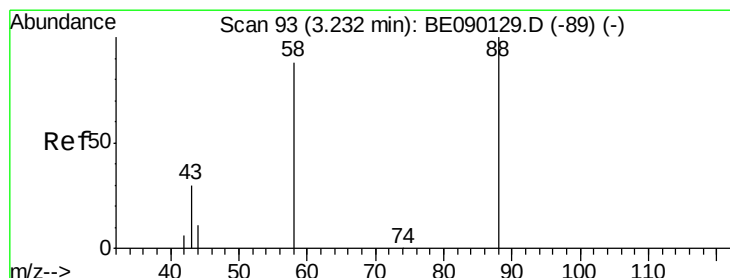
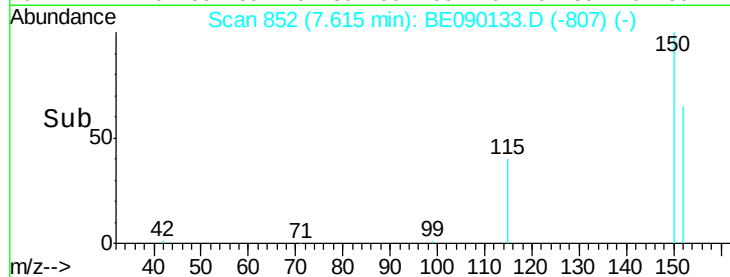
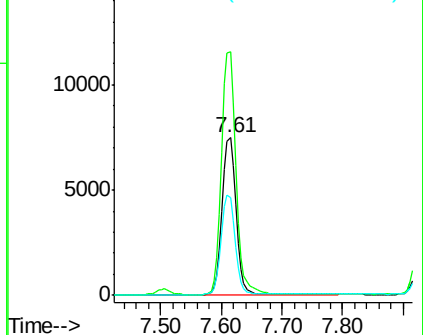
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.61 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: BE090133.D  
Acq: 16 Jul 2015 23:54

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE071615

Tgt Ion: 152 Resp: 11931  
Ion Ratio Lower Upper  
152 100  
150 154.6 127.3 190.9  
115 62.0 51.0 76.4



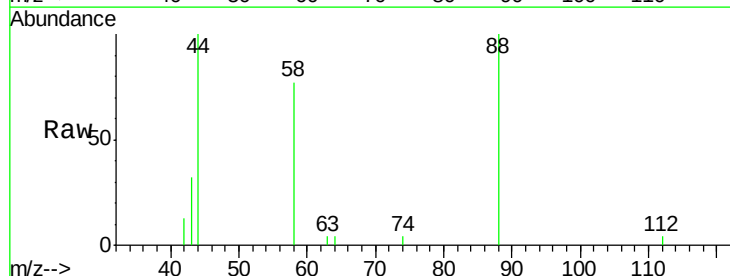
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



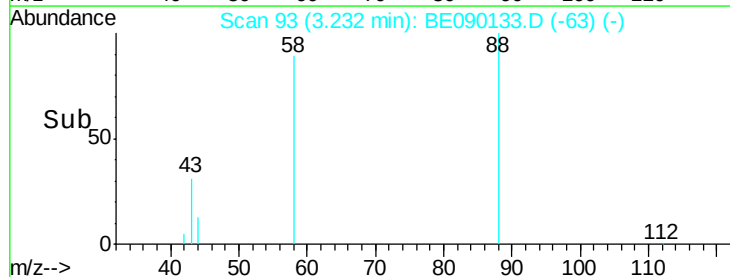
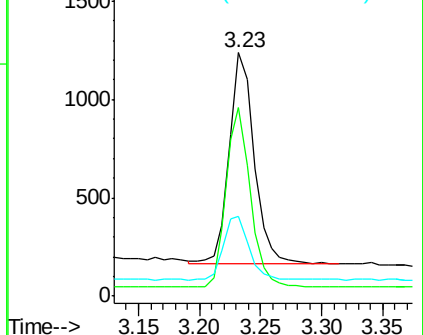
#2

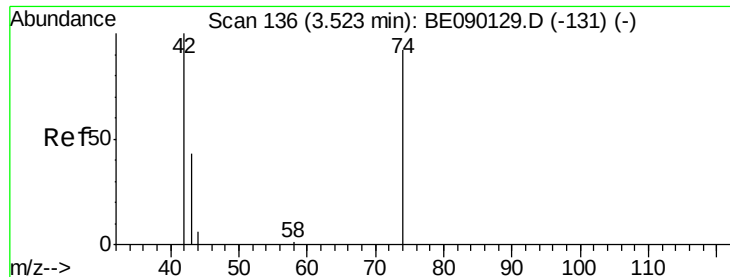
1,4-Dioxane  
Concen: 0.96 ng  
RT: 3.23 min Scan# 93  
Delta R.T. 0.00 min  
Lab File: BE090133.D  
Acq: 16 Jul 2015 23:54

Tgt Ion: 88 Resp: 1526  
Ion Ratio Lower Upper  
88 100  
58 83.2 67.0 100.4  
43 31.3 26.0 39.0



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



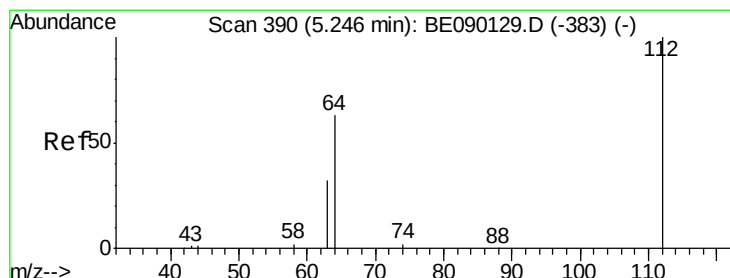
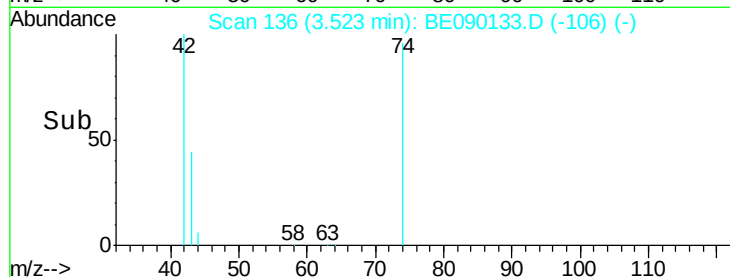
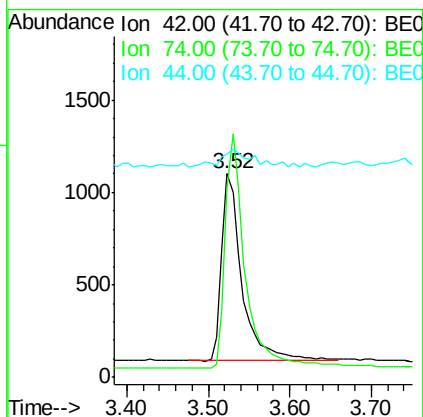
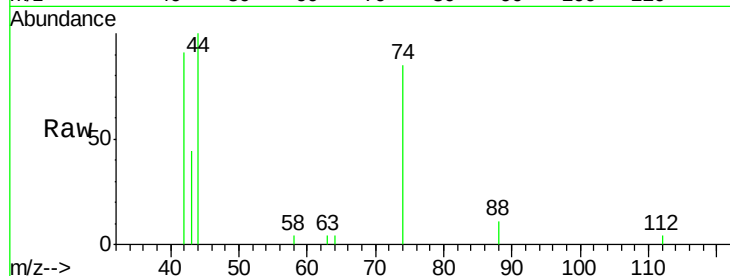


#3

n-Nitrosodimethylamine  
 Concen: 0.95 ng  
 RT: 3.52 min Scan# 136  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

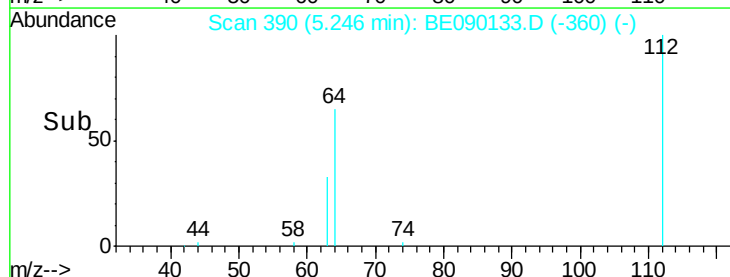
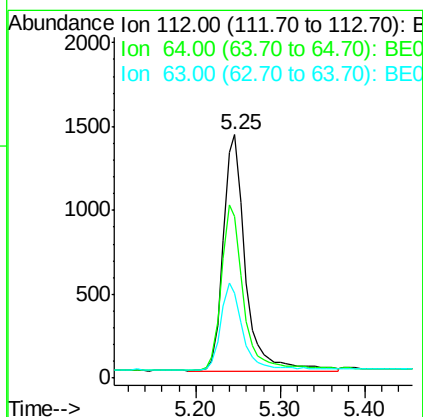
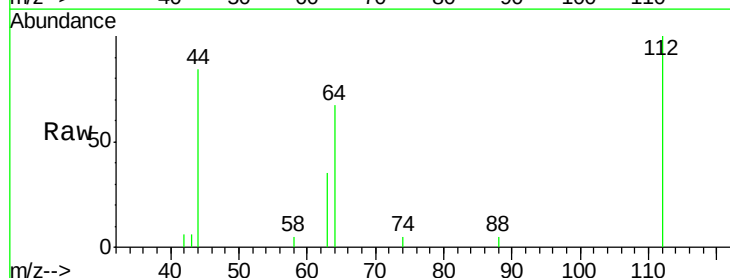
Tgt Ion: 42 Resp: 1785  
 Ion Ratio Lower Upper  
 42 100  
 74 123.5 91.0 136.6  
 44 12.5 9.2 13.8

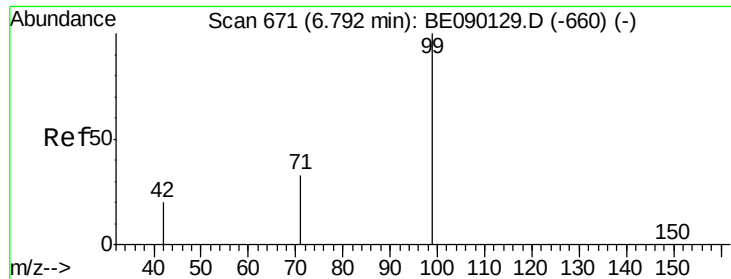


#4

2-Fluorophenol  
 Concen: 1.00 ng  
 RT: 5.25 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Tgt Ion: 112 Resp: 2544  
 Ion Ratio Lower Upper  
 112 100  
 64 69.2 55.4 83.2  
 63 37.3 29.3 43.9





#5

Phenol-d6

Concen: 1.02 ng

RT: 6.79 min Scan# 672

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

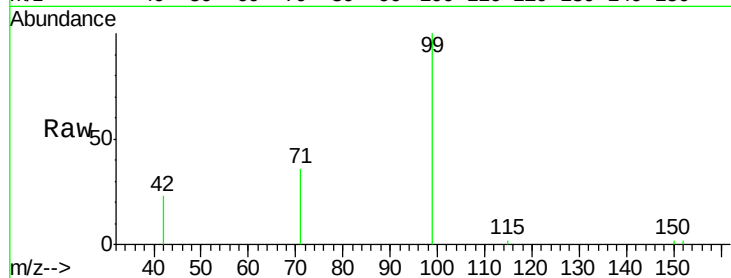
Tgt Ion: 99 Resp: 3693

Ion Ratio Lower Upper

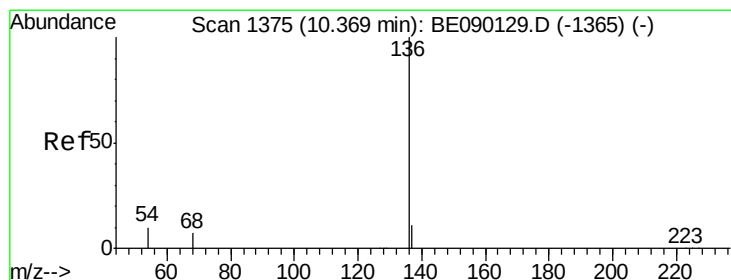
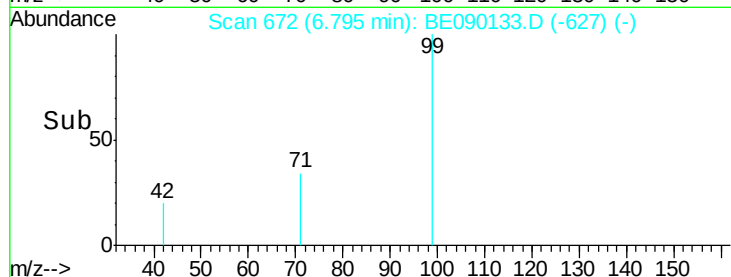
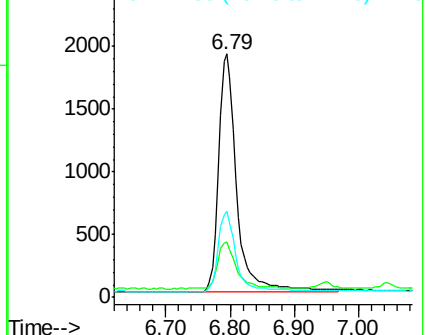
99 100

42 20.0 16.8 25.2

71 32.7 26.6 39.8



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: 10.37 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Tgt Ion: 136 Resp: 52848

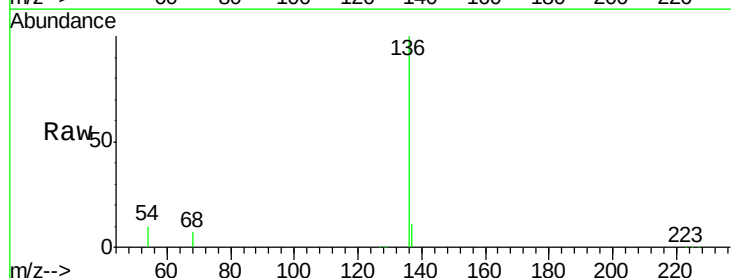
Ion Ratio Lower Upper

136 100

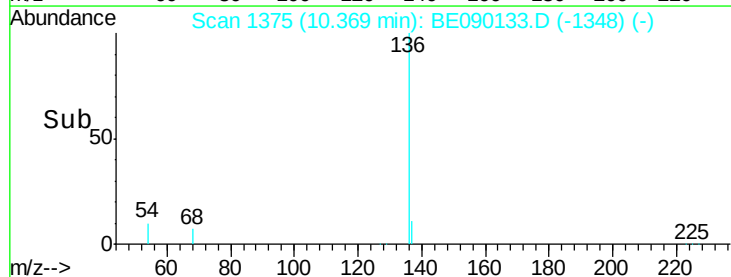
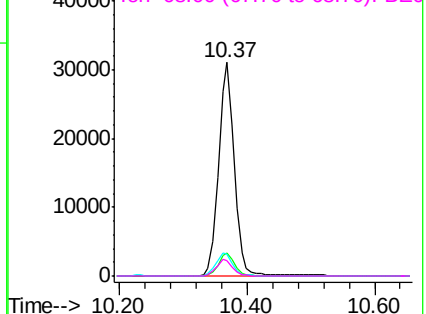
137 11.0 8.9 13.3

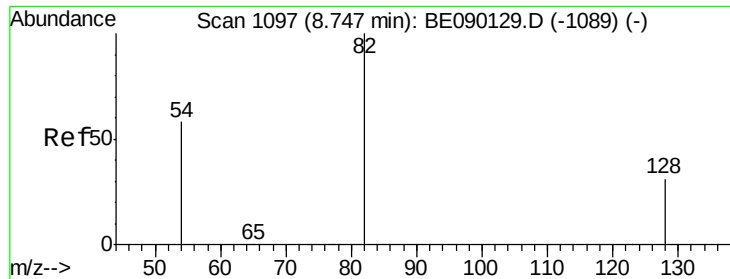
54 10.0 7.8 11.8

68 7.4 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 0.98 ng

RT: 8.75 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

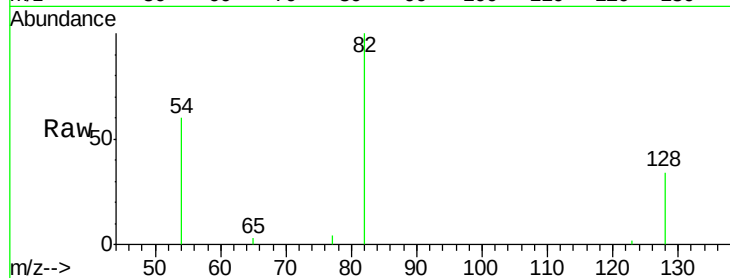
Tgt Ion: 82 Resp: 3849

Ion Ratio Lower Upper

82 100

128 34.3 26.2 39.2

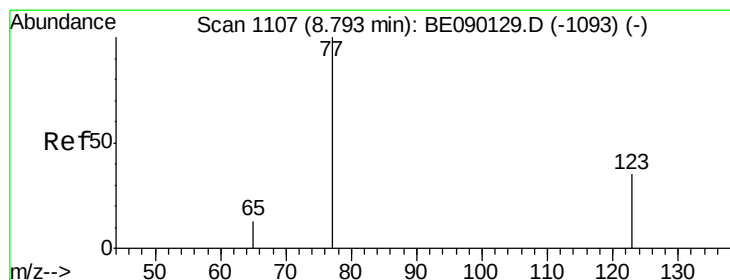
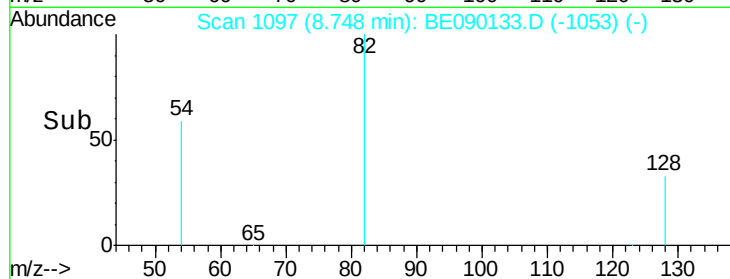
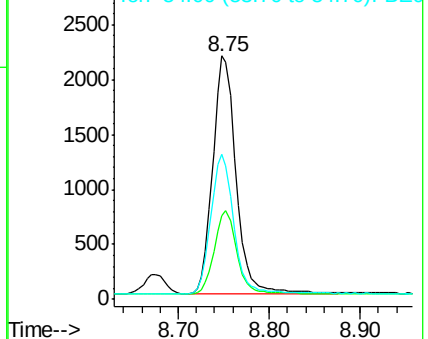
54 59.7 47.1 70.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.99 ng

RT: 8.79 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

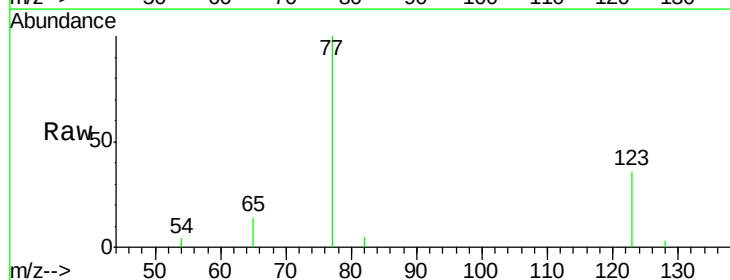
Tgt Ion: 77 Resp: 4089

Ion Ratio Lower Upper

77 100

123 35.2 28.5 42.7

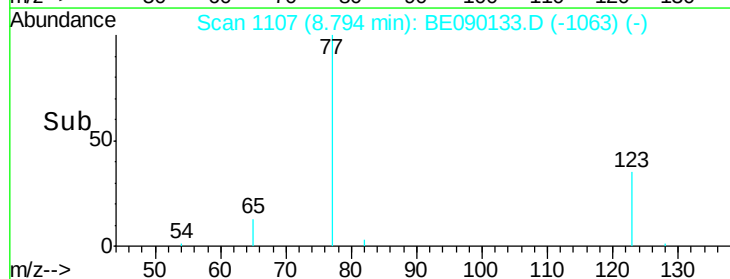
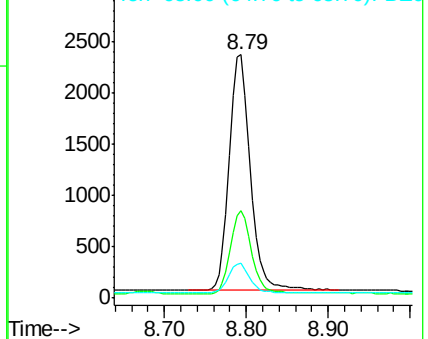
65 13.0 10.2 15.2

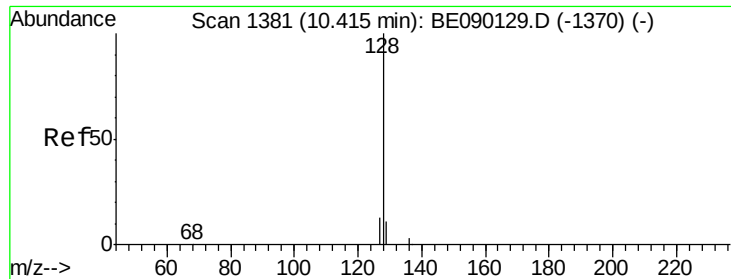


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.97 ng

RT: 10.41 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

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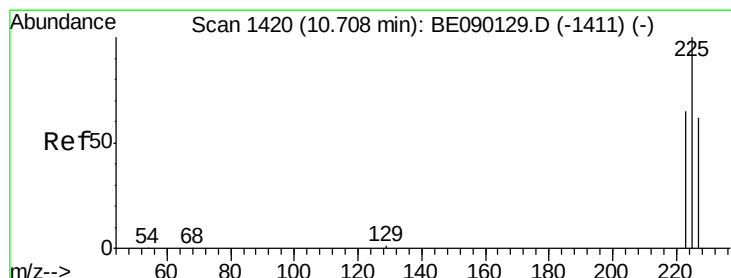
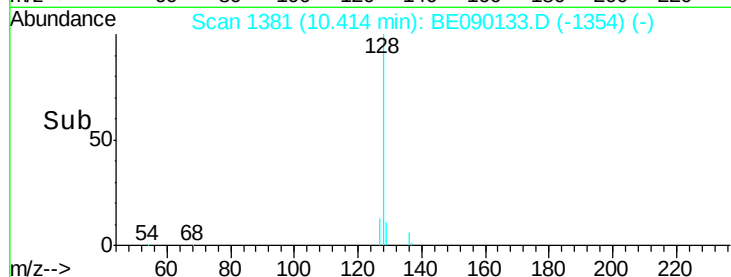
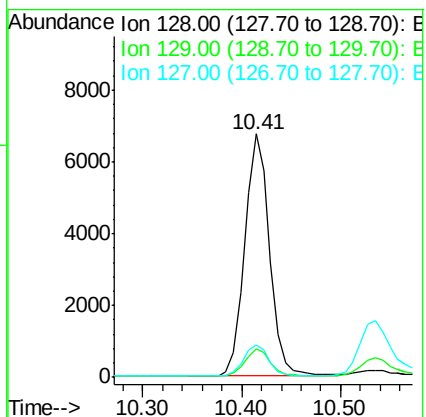
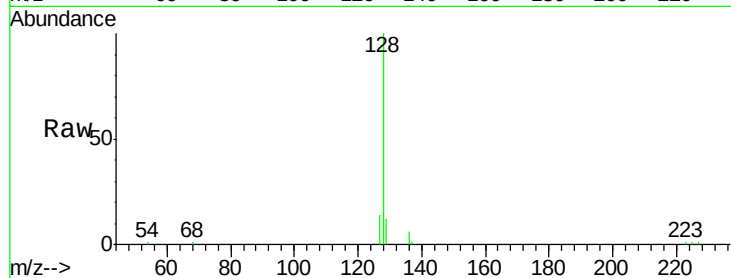
Tgt Ion:128 Resp: 11626

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.5 10.8 16.2



#10

Hexachlorobutadiene

Concen: 0.96 ng

RT: 10.71 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

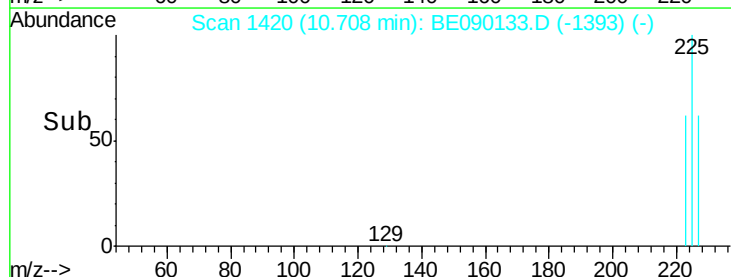
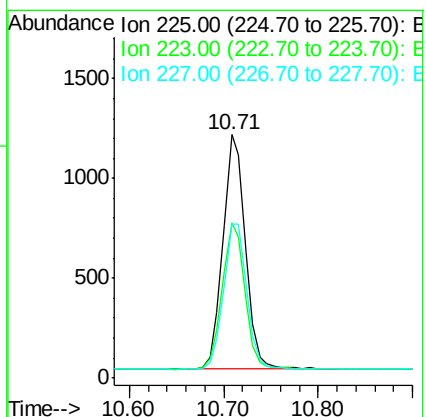
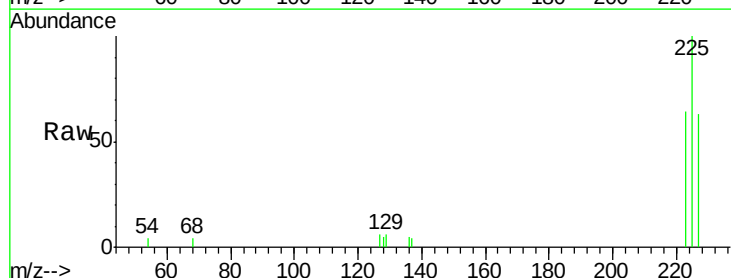
Tgt Ion:225 Resp: 1933

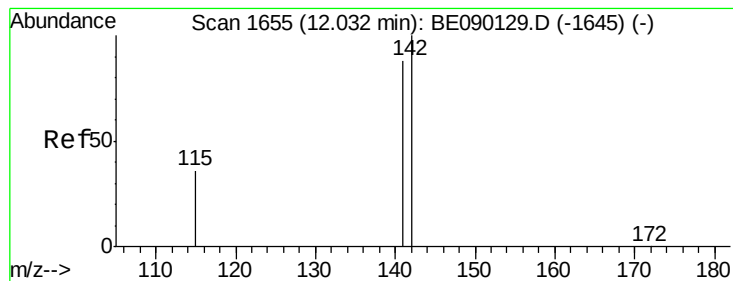
Ion Ratio Lower Upper

225 100

223 63.0 50.2 75.2

227 64.4 51.3 76.9





#11

2-Methylnaphthalene

Concen: 0.99 ng

RT: 12.03 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

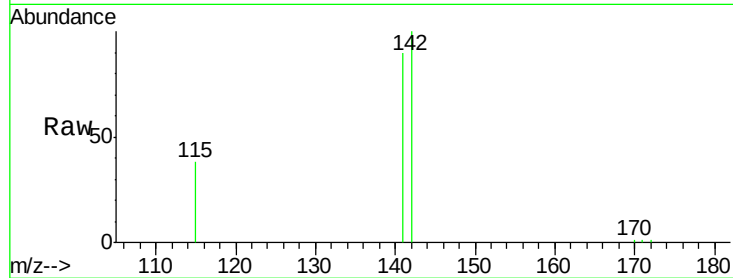
Tgt Ion:142 Resp: 7617

Ion Ratio Lower Upper

142 100

141 89.8 70.6 105.8

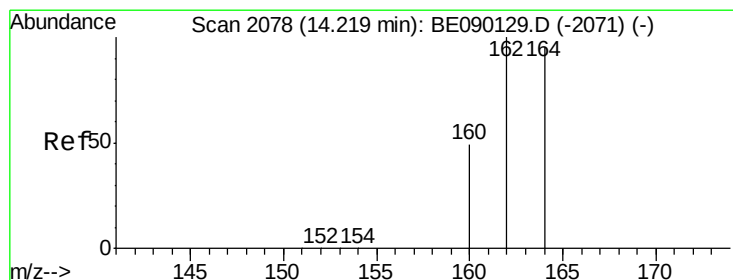
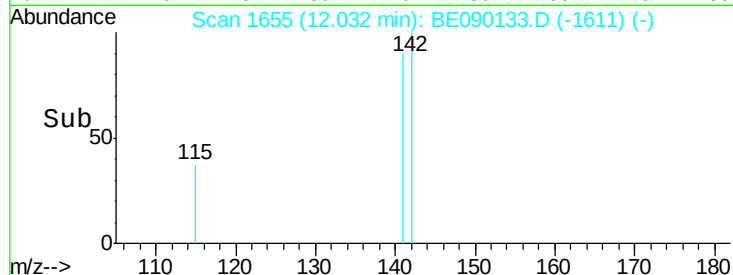
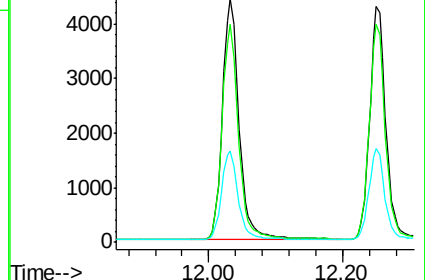
115 37.7 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

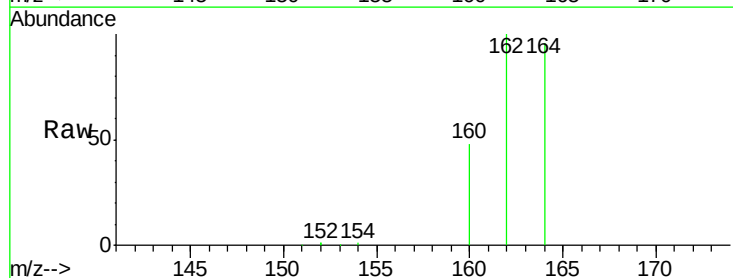
Tgt Ion:164 Resp: 30029

Ion Ratio Lower Upper

164 100

162 103.9 84.0 126.0

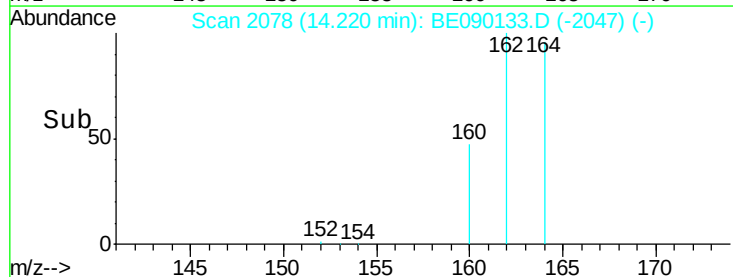
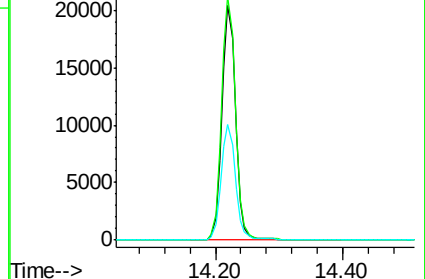
160 49.4 41.1 61.7



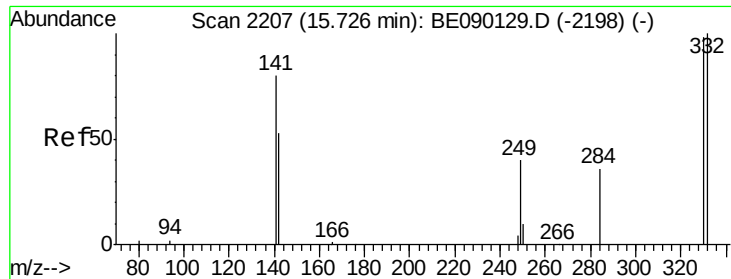
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



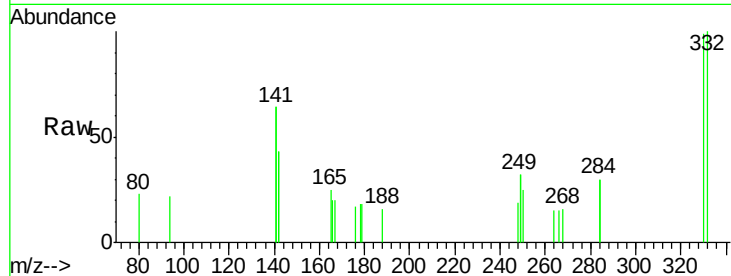




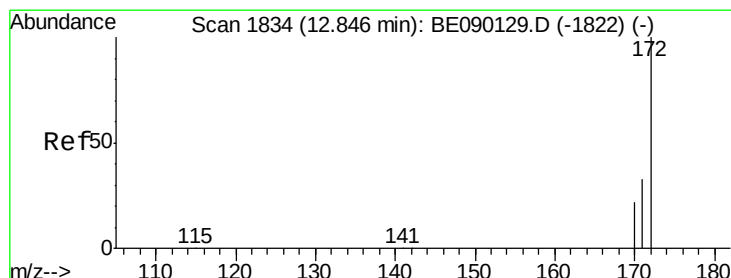
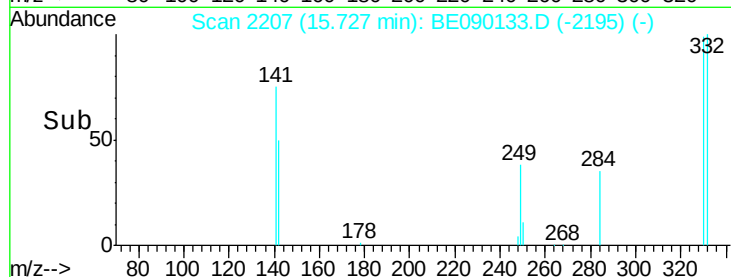
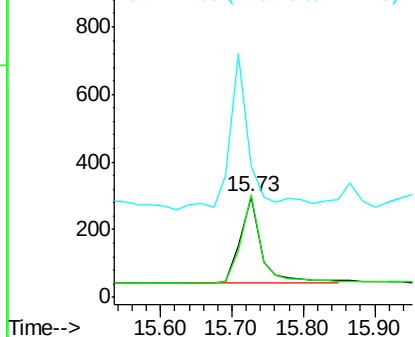
#13  
 2,4,6-Tribromophenol  
 Concen: 0.59 ng  
 RT: 15.73 min Scan# 2207  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

Tgt Ion: 330 Resp: 518  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 79.4 119.0  
 141 156.8 160.2 240.2#

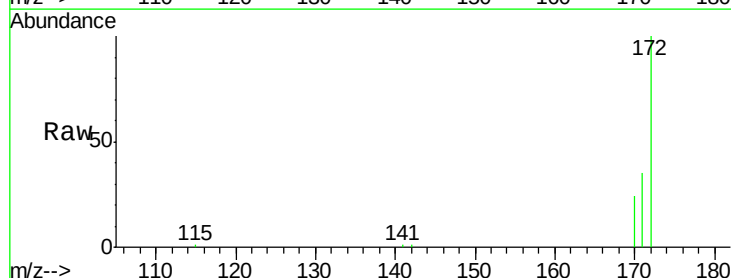


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

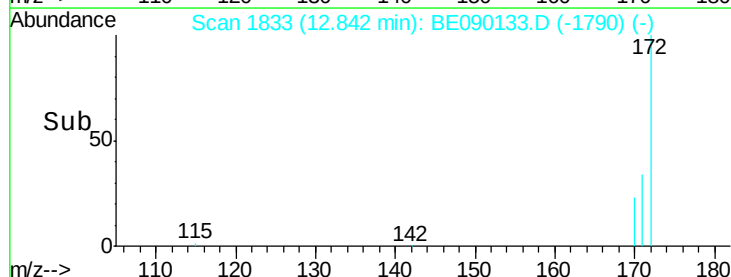
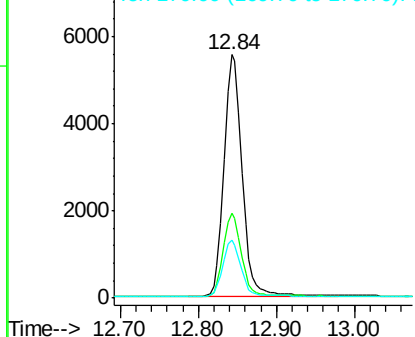


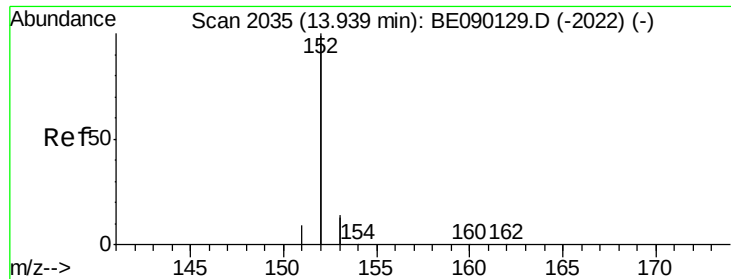
#14  
 2-Fluorobiphenyl  
 Concen: 0.97 ng  
 RT: 12.84 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Tgt Ion: 172 Resp: 8969  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 27.1 40.7  
 170 23.9 17.9 26.9



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: 0.98 ng

RT: 13.94 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

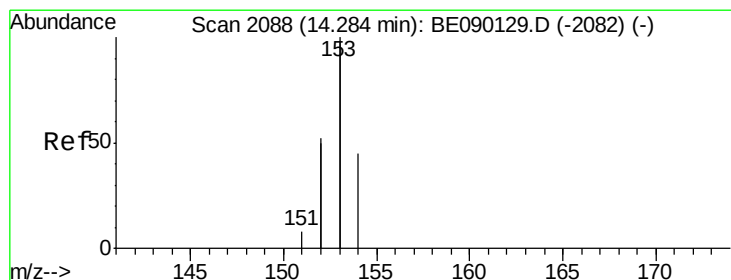
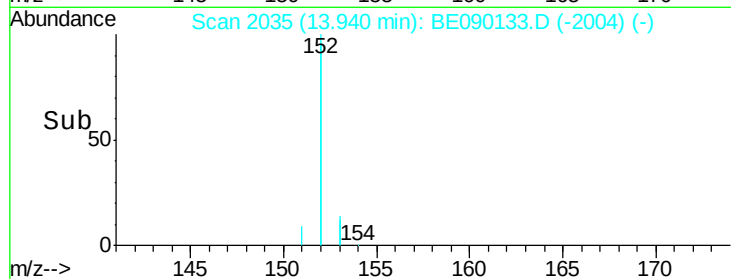
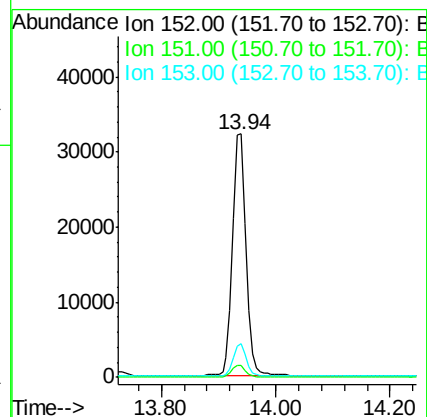
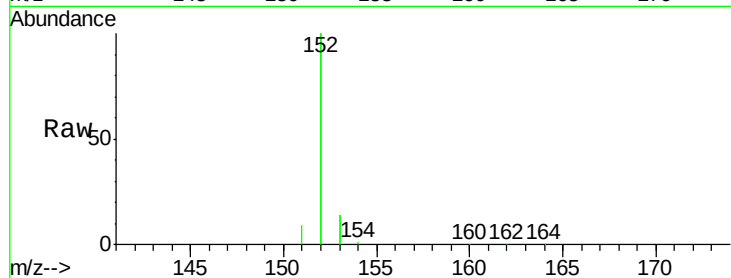
Tgt Ion:152 Resp: 52352

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

153 12.9 10.4 15.6



#16

Acenaphthene

Concen: 0.97 ng

RT: 14.29 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

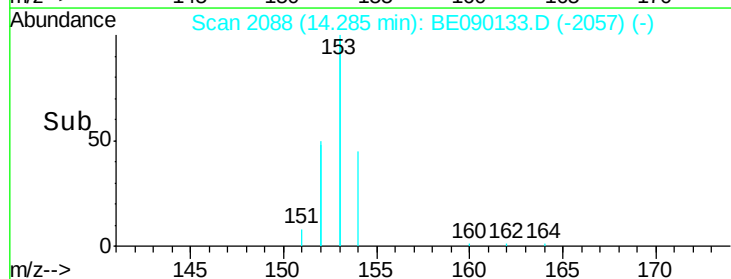
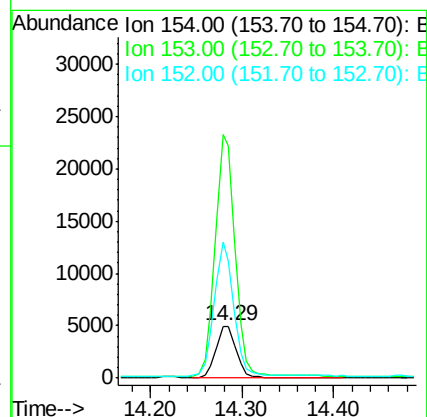
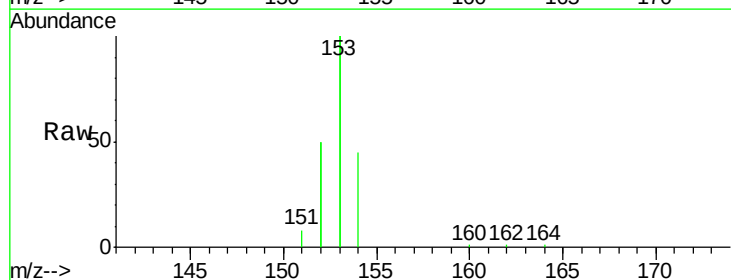
Tgt Ion:154 Resp: 7469

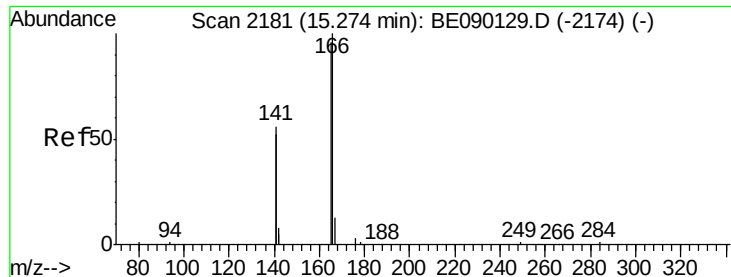
Ion Ratio Lower Upper

154 100

153 464.3 369.5 554.3

152 251.7 202.2 303.4

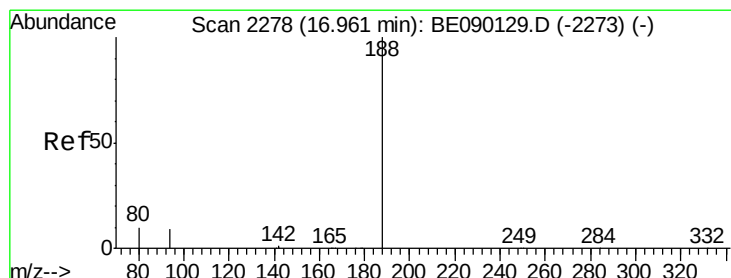
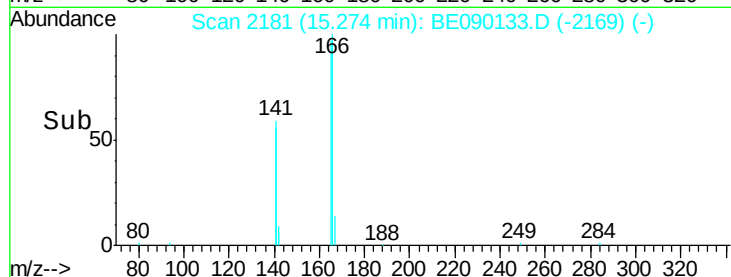
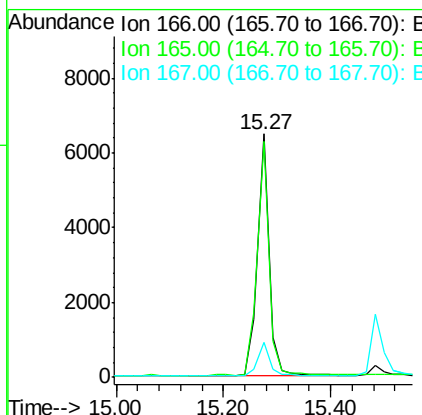
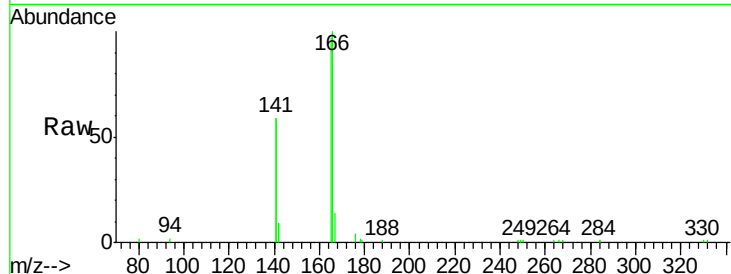




#17  
**Fluorene**  
 Concen: 0.96 ng  
 RT: 15.27 min Scan# 2181  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

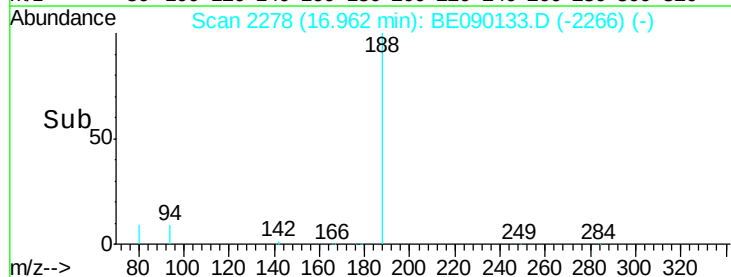
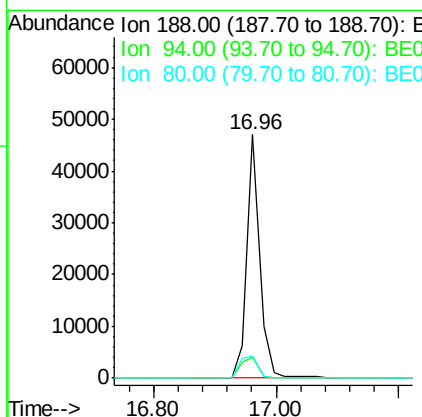
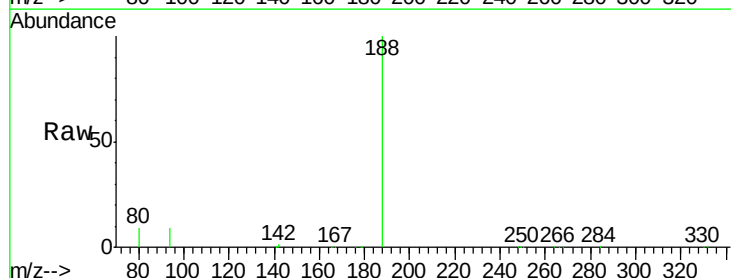
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

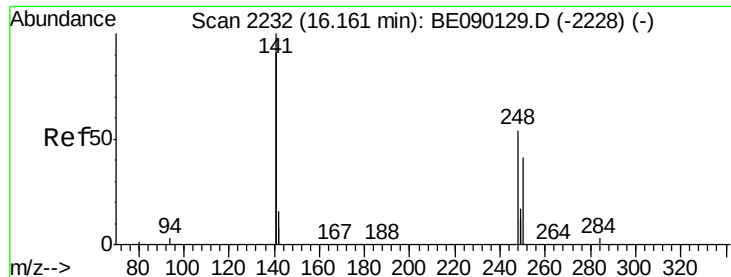
Tgt Ion:166 Resp: 9713  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 78.7 118.1  
 167 13.9 11.1 16.7



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.96 min Scan# 2278  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Tgt Ion:188 Resp: 68140  
 Ion Ratio Lower Upper  
 188 100  
 94 8.7 7.3 10.9  
 80 9.2 8.0 12.0





#19

4-Bromophenyl-phenylether

Concen: 0.98 ng

RT: 16.16 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

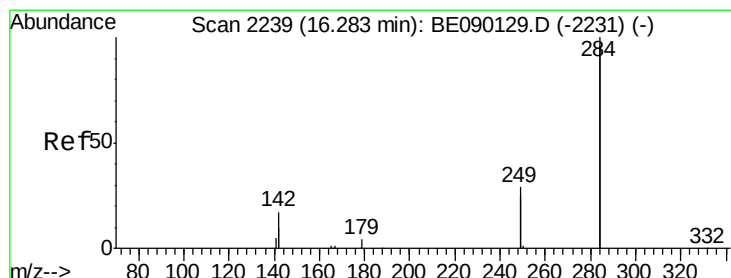
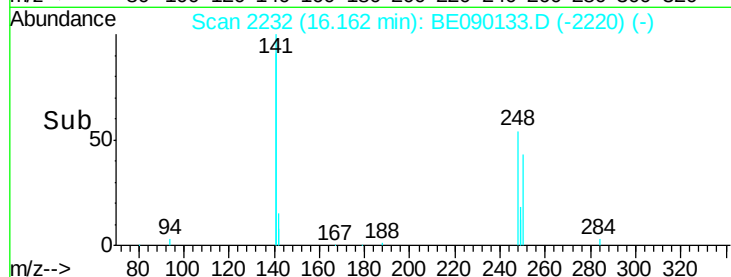
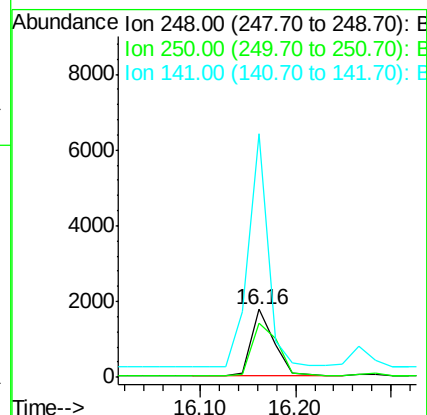
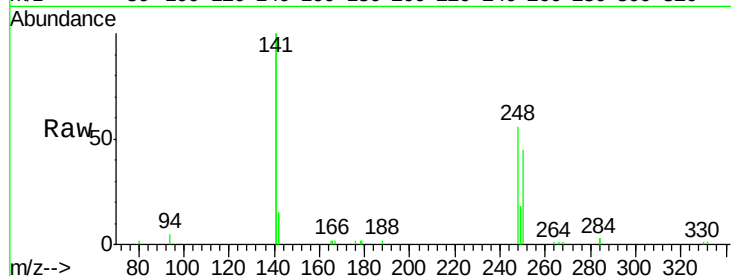
Tgt Ion:248 Resp: 2846

Ion Ratio Lower Upper

248 100

250 93.5 76.2 114.4

141 314.9 246.0 369.0



#20

Hexachlorobenzene

Concen: 0.96 ng

RT: 16.28 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

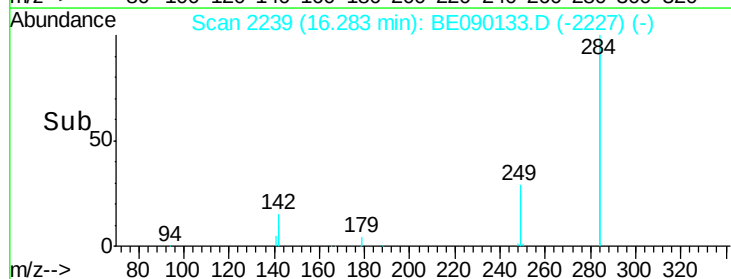
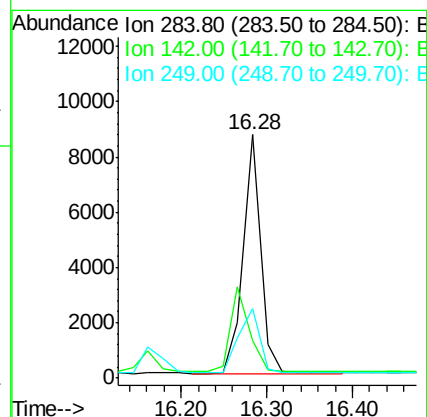
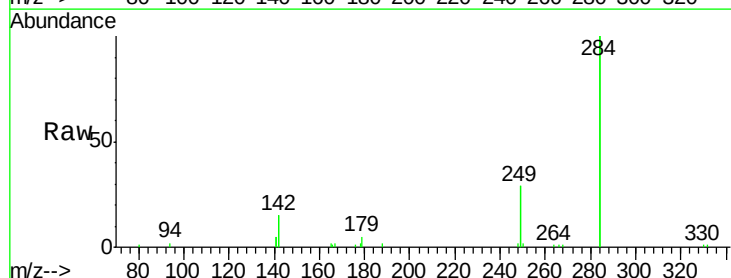
Tgt Ion:284 Resp: 12198

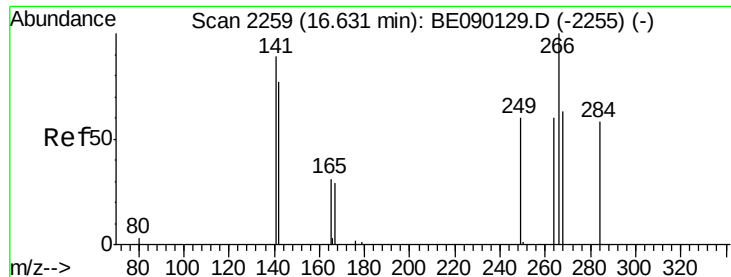
Ion Ratio Lower Upper

284 100

142 38.4 30.2 45.4

249 32.6 25.5 38.3

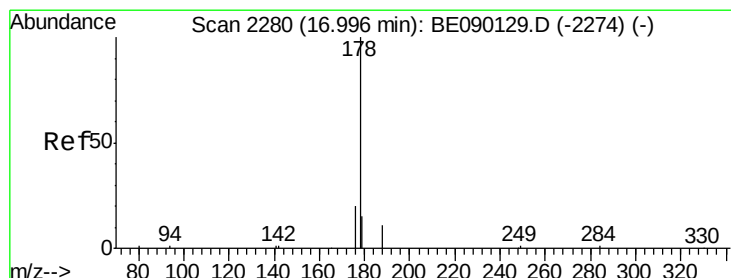
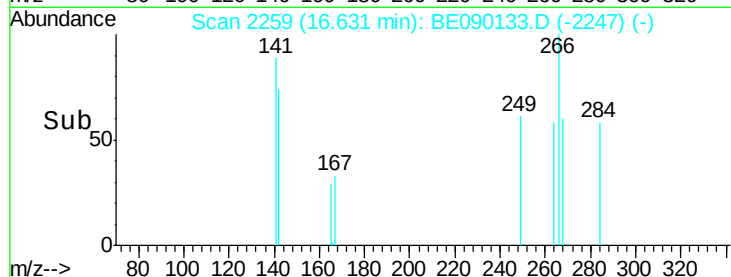
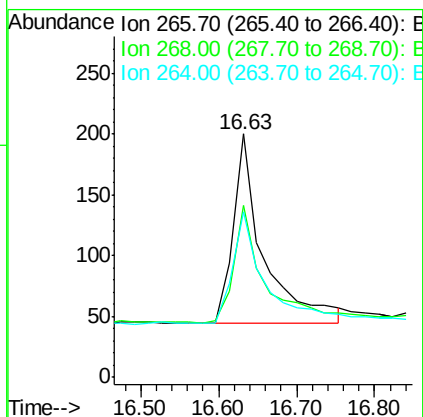
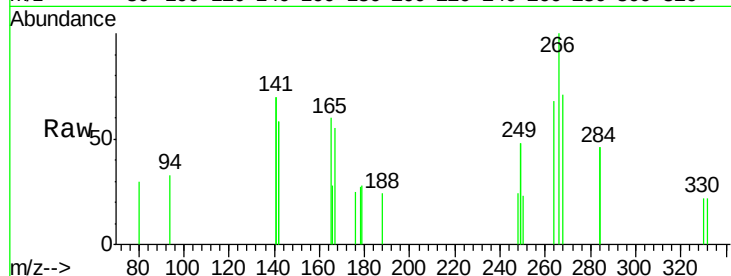




#21  
 Pentachlorophenol  
 Concen: 1.04 ng  
 RT: 16.63 min Scan# 2259  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

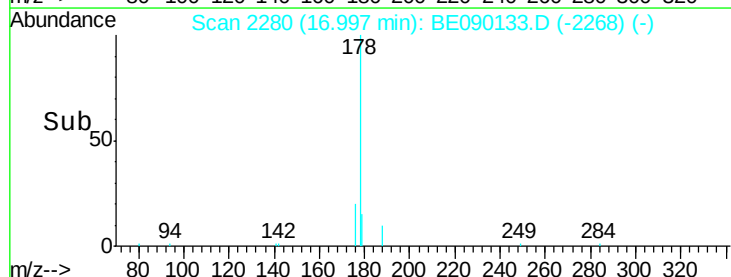
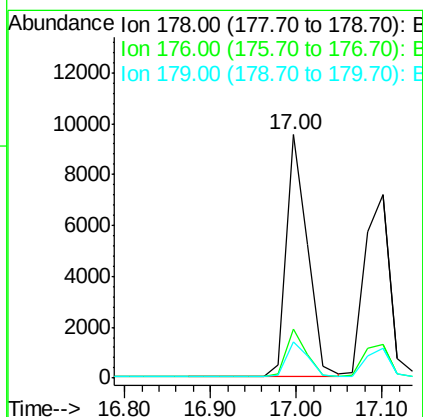
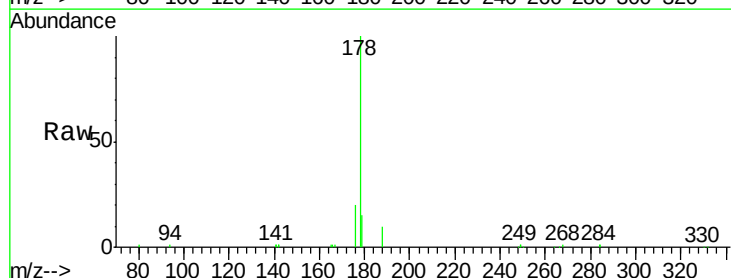
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

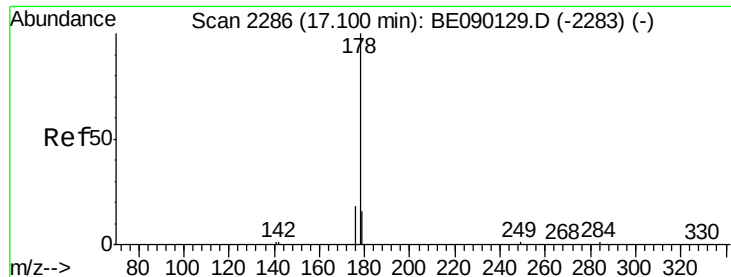
Tgt Ion: 266 Resp: 413  
 Ion Ratio Lower Upper  
 266 100  
 268 70.5 58.2 87.2  
 264 68.0 55.8 83.6



#22  
 Phenanthrene  
 Concen: 0.96 ng  
 RT: 17.00 min Scan# 2280  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Tgt Ion: 178 Resp: 16385  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.1 22.7  
 179 15.3 12.2 18.4





#23

Anthracene

Concen: 0.96 ng

RT: 17.10 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

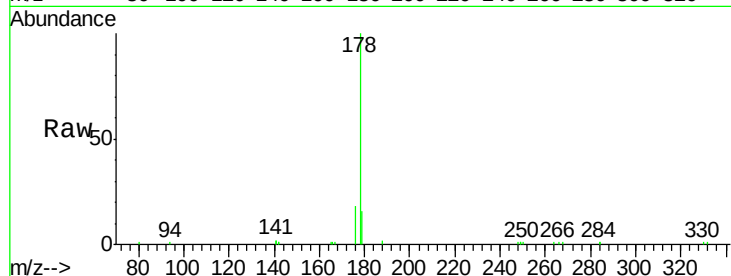
Tgt Ion:178 Resp: 14671

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

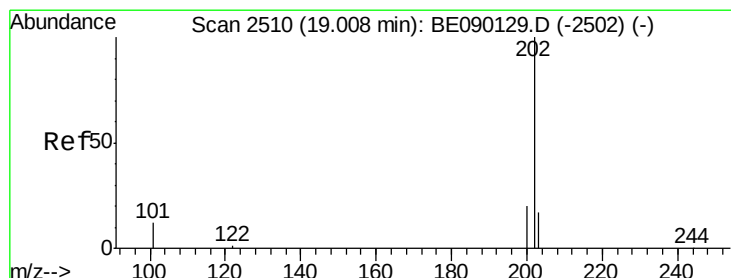
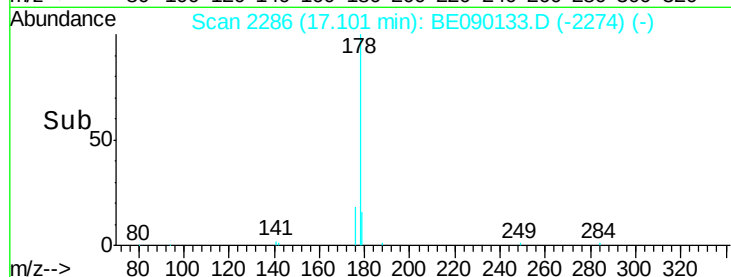
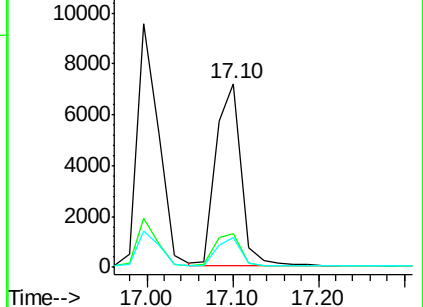
179 15.4 12.2 18.4



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: 1.00 ng

RT: 19.01 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

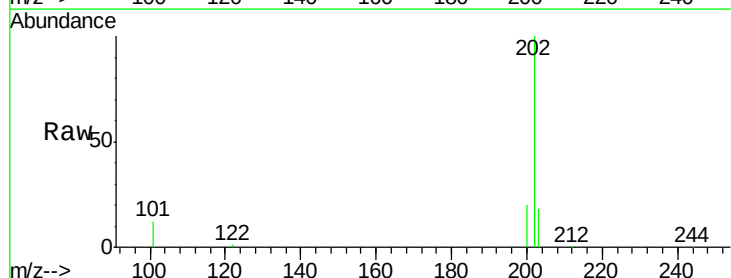
Tgt Ion:202 Resp: 16877

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

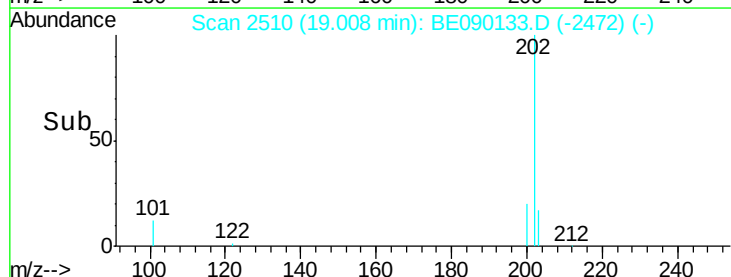
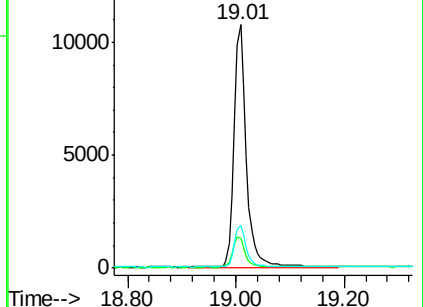
203 17.1 13.8 20.8

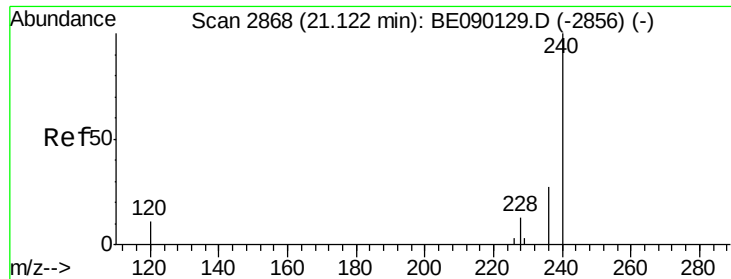


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.12 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

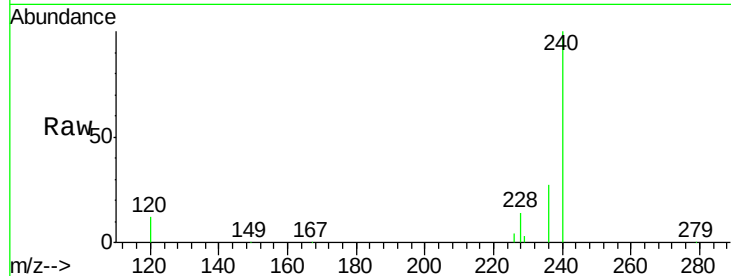
Tgt Ion:240 Resp: 68729

Ion Ratio Lower Upper

240 100

120 11.6 8.8 13.2

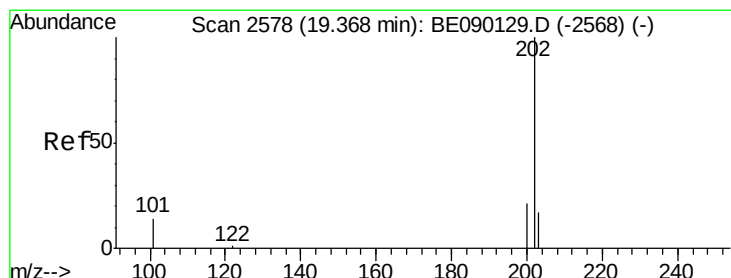
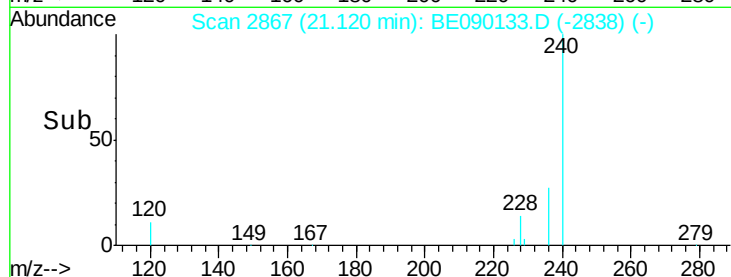
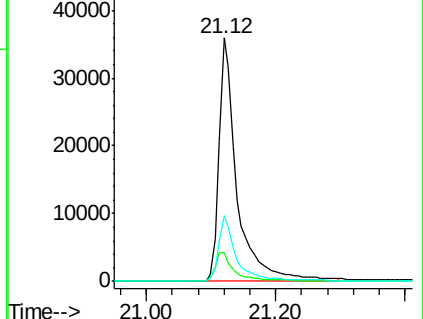
236 27.0 21.4 32.0



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: 0.93 ng

RT: 19.37 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

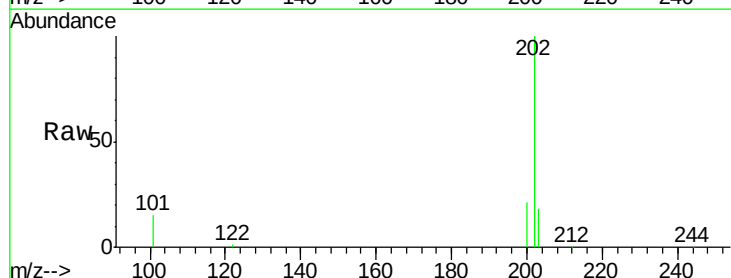
Tgt Ion:202 Resp: 17244

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

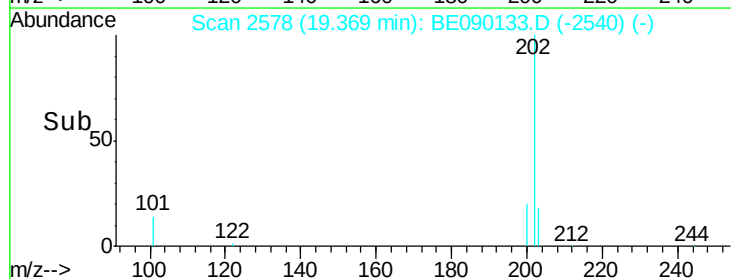
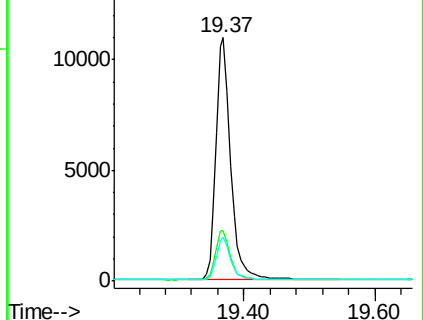
203 17.4 13.9 20.9

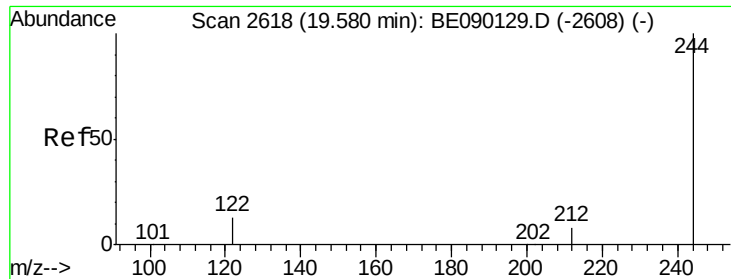


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

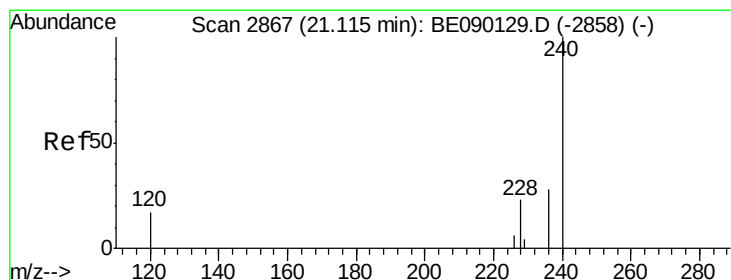
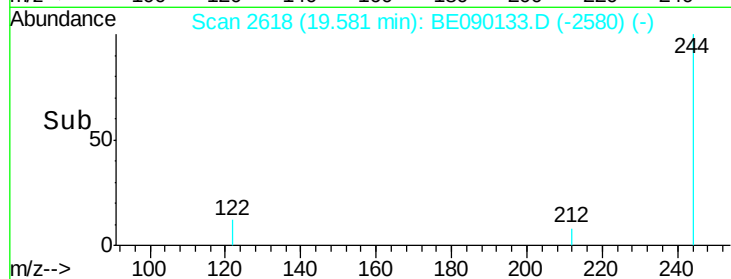
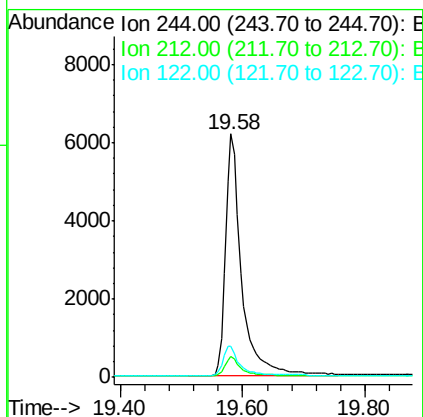
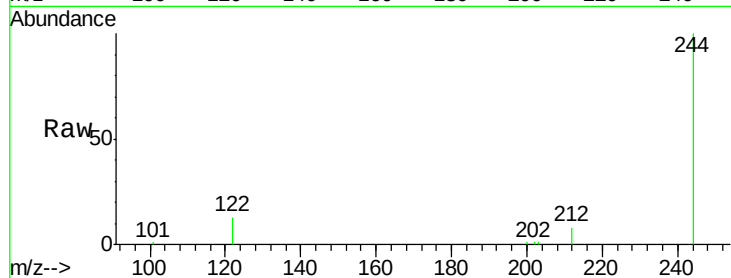




#27  
 Terphenyl-d14  
 Concen: 0.99 ng  
 RT: 19.58 min Scan# 2618  
 Delta R.T. 0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

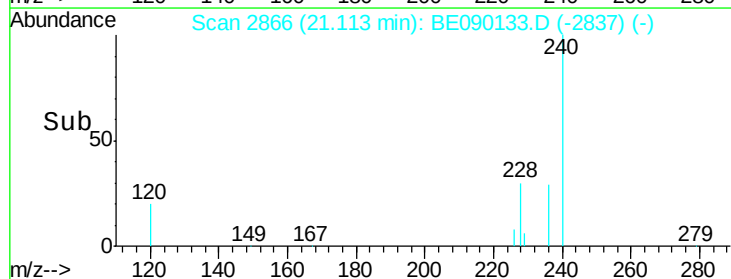
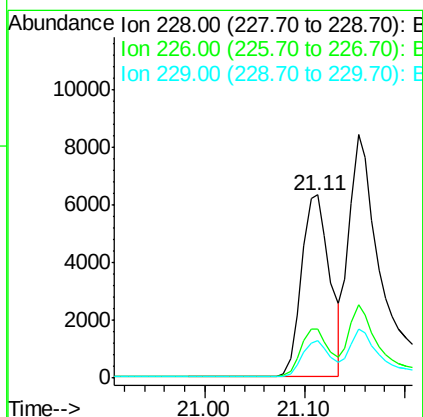
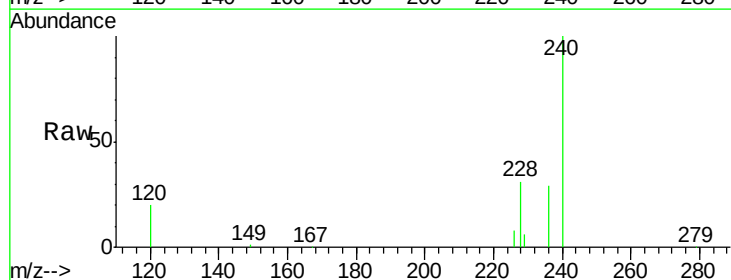
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE071615

Tgt Ion:244 Resp: 11399  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 6.7 10.1  
 122 12.9 10.7 16.1

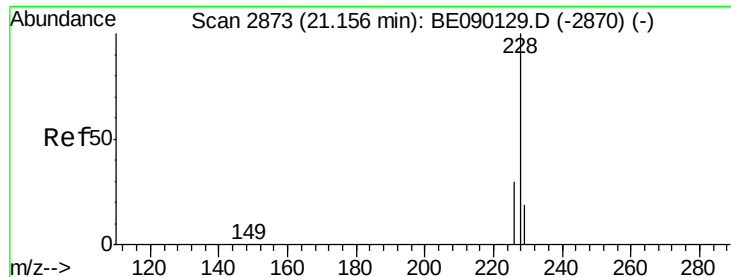


#28  
 Benzo(a)anthracene  
 Concen: 1.07 ng  
 RT: 21.11 min Scan# 2866  
 Delta R.T. -0.00 min  
 Lab File: BE090133.D  
 Acq: 16 Jul 2015 23:54

Tgt Ion:228 Resp: 12471  
 Ion Ratio Lower Upper  
 228 100  
 226 26.7 21.3 31.9  
 229 20.2 16.1 24.1







#29

Chrysene

Concen: 0.92 ng

RT: 21.15 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

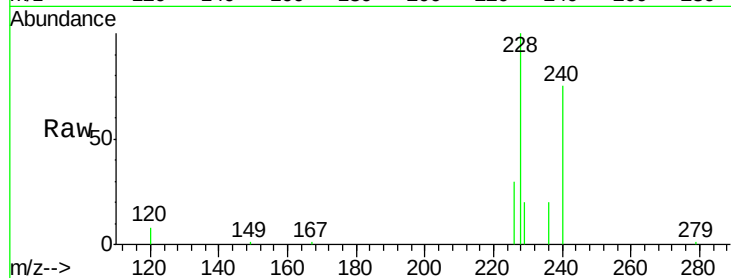
Tgt Ion:228 Resp: 19056

Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

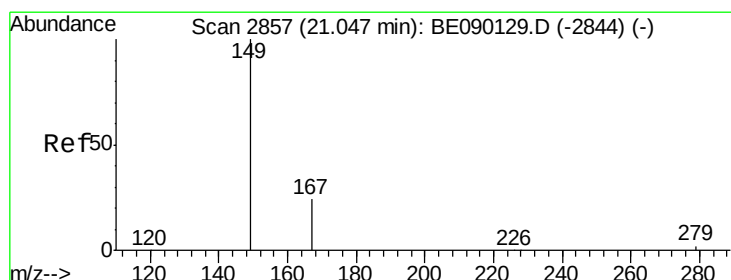
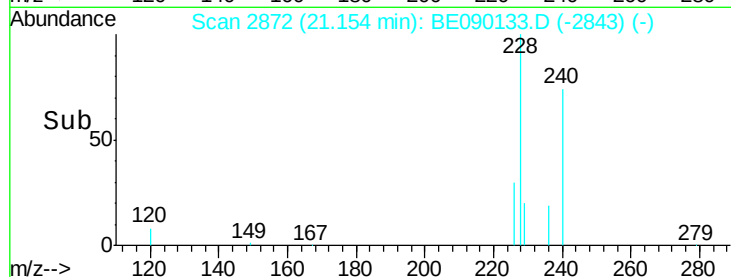
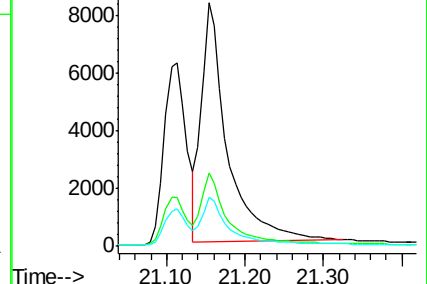
229 20.3 16.0 24.0



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.98 ng

RT: 21.05 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

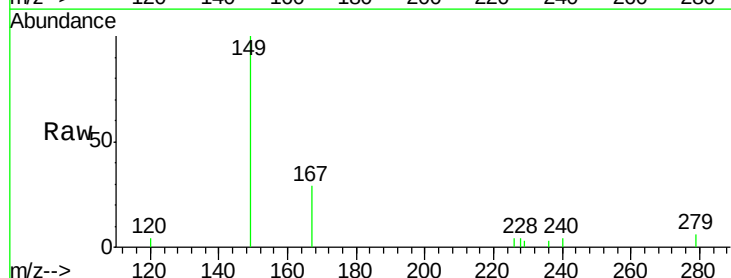
Tgt Ion:149 Resp: 2342

Ion Ratio Lower Upper

149 100

167 23.8 18.6 27.8

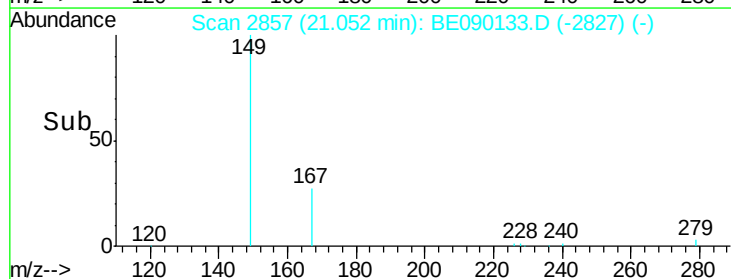
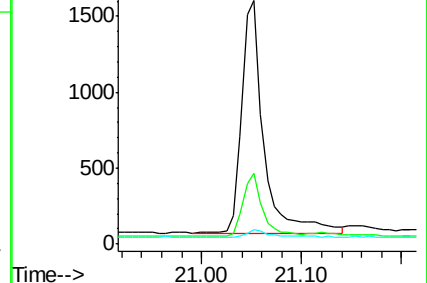
279 3.5 2.2 3.4#

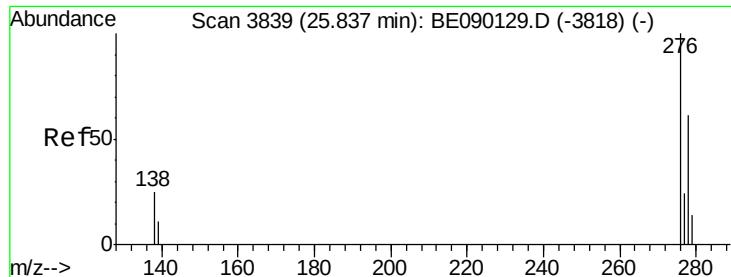


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.36 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

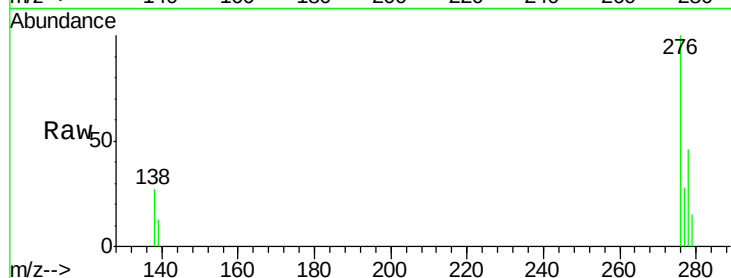
Tgt Ion:276 Resp: 4968

Ion Ratio Lower Upper

276 100

138 26.3 17.3 25.9#

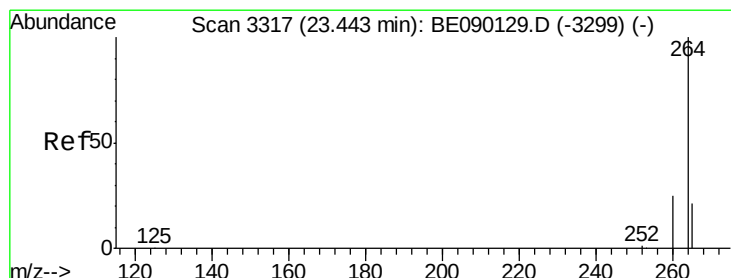
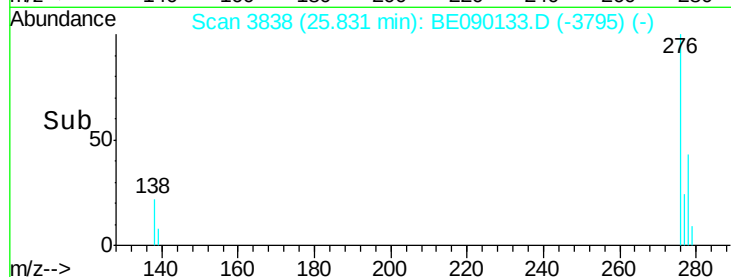
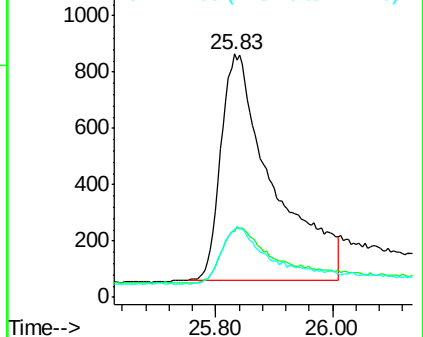
277 24.7 17.3 25.9



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: 23.44 min Scan# 3317

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

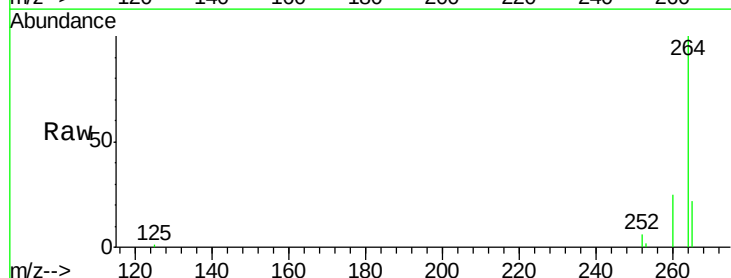
Tgt Ion:264 Resp: 50807

Ion Ratio Lower Upper

264 100

260 24.7 19.9 29.9

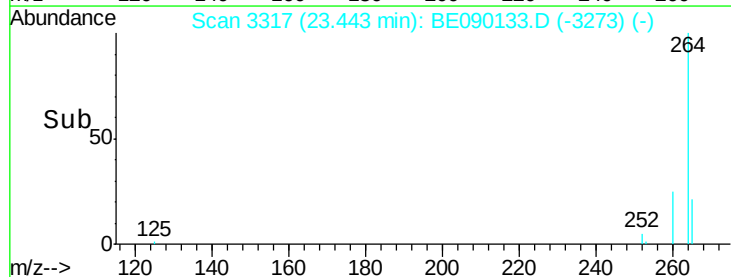
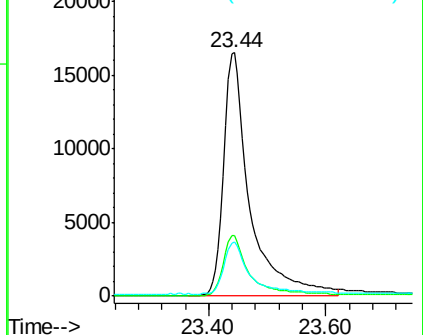
265 22.0 17.8 26.8

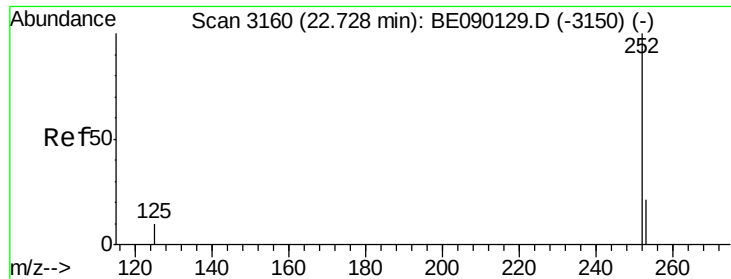


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 1.32 ng

RT: 22.73 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

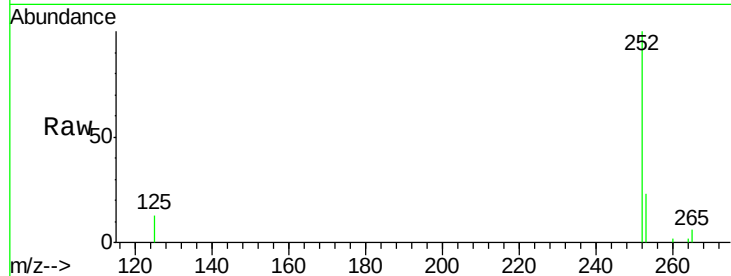
Tgt Ion:252 Resp: 4892

Ion Ratio Lower Upper

252 100

253 23.5 19.0 28.6

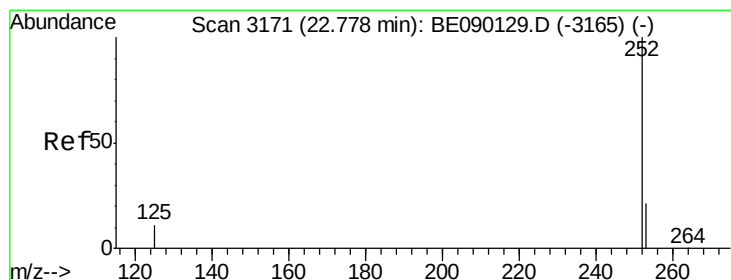
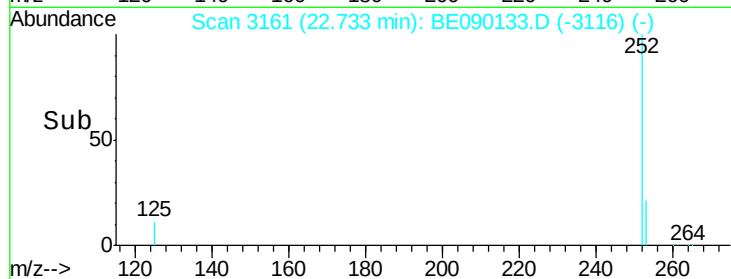
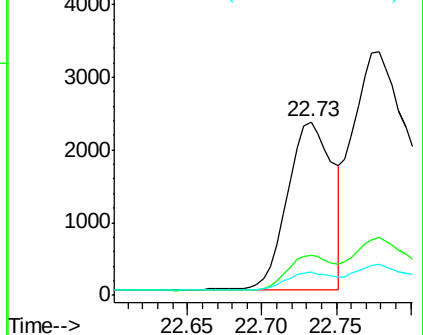
125 13.4 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 0.95 ng

RT: 22.78 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

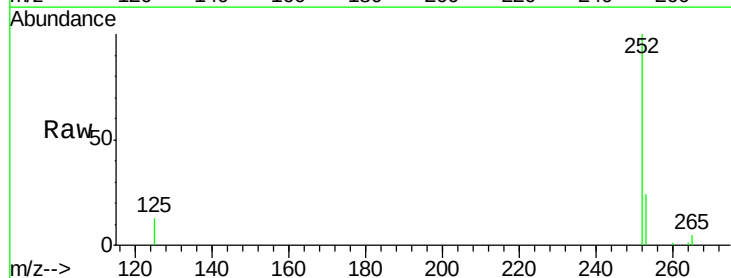
Tgt Ion:252 Resp: 12231

Ion Ratio Lower Upper

252 100

253 23.7 18.7 28.1

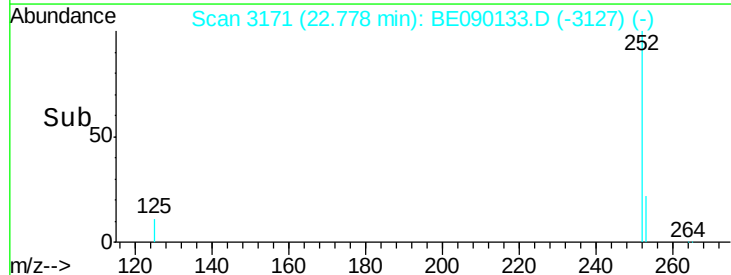
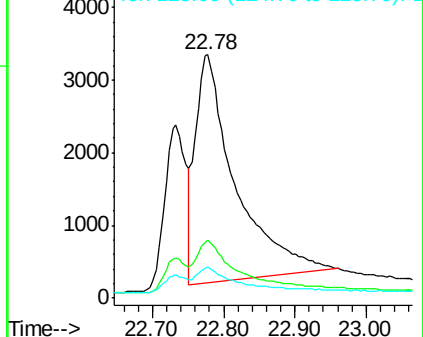
125 12.6 10.5 15.7

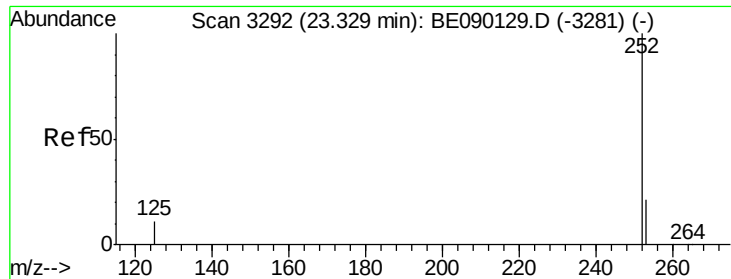


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.94 ng

RT: 23.33 min Scan# 3293

Delta R.T. 0.01 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615

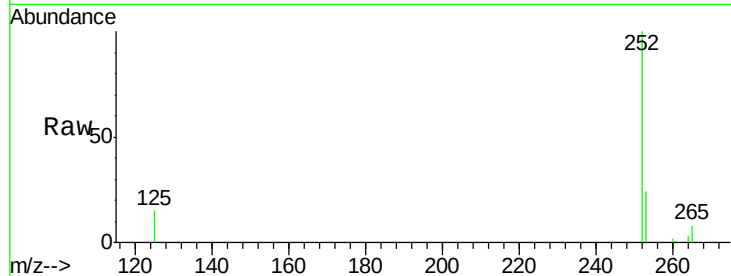
Tgt Ion:252 Resp: 5915

Ion Ratio Lower Upper

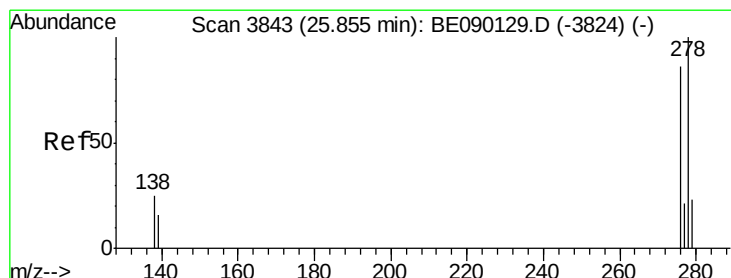
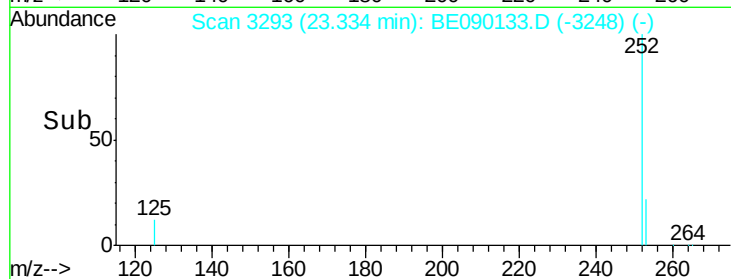
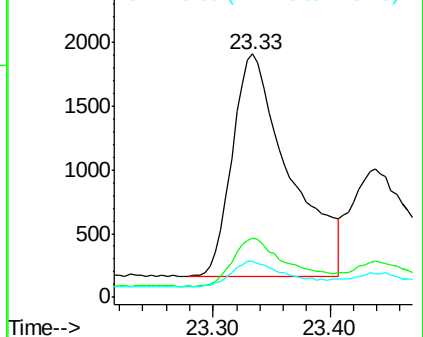
252 100

253 24.3 19.4 29.2

125 15.0 11.9 17.9



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 1.36 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.00 min

Lab File: BE090133.D

Acq: 16 Jul 2015 23:54

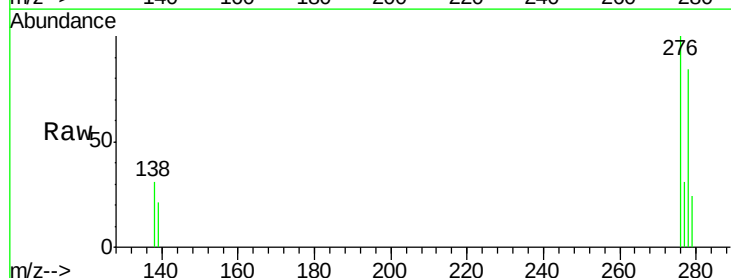
Tgt Ion:278 Resp: 3432

Ion Ratio Lower Upper

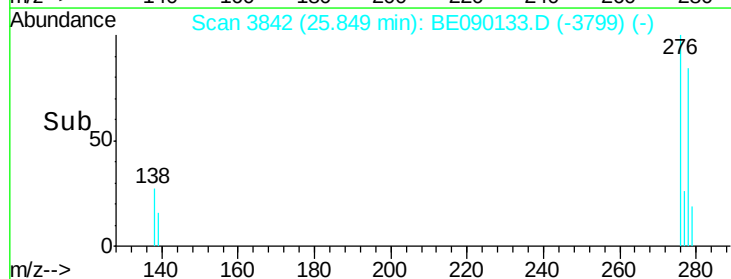
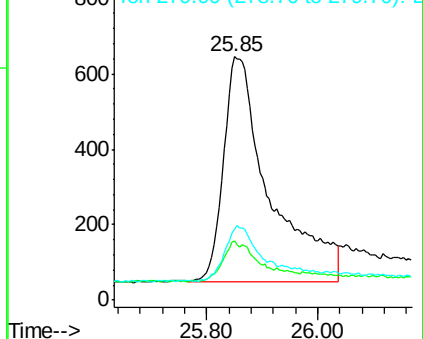
278 100

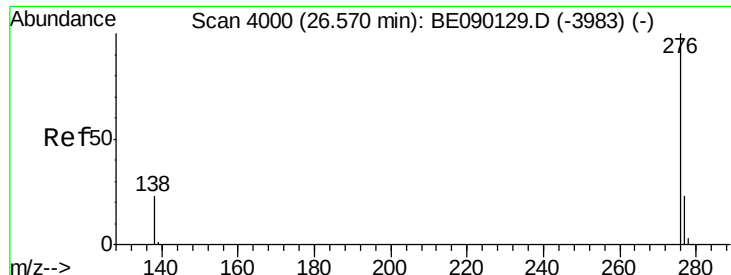
139 24.6 18.3 27.5

279 28.9 23.3 34.9



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: 0.94 ng

RT: 26.58 min Scan# 4002

Delta R.T. 0.01 min

Lab File: BE090133.D

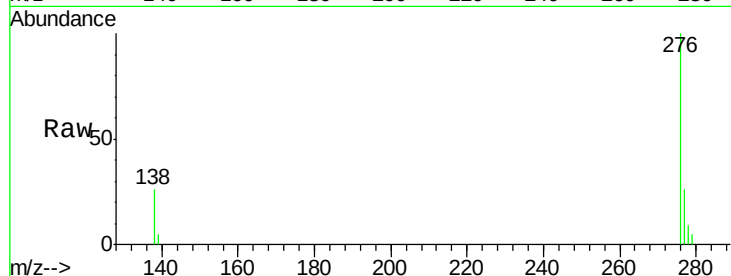
Acq: 16 Jul 2015 23:54

Instrument :

BNA\_E

ClientSampleId :

ICVBE071615



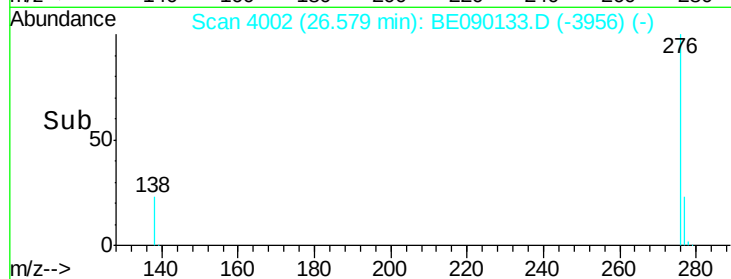
Tgt Ion: 276 Resp: 6328

Ion Ratio Lower Upper

276 100

277 25.9 22.0 33.0

138 26.2 22.0 33.0



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

