

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE063015\  
 Data File : BE090019.D  
 Acq On : 30 Jun 2015 20:19  
 Operator : TP/IZ  
 Sample : G2824-04MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

Quant Time: Jul 01 05:18:14 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 30 07:01:01 2015  
 Response via : Initial Calibration

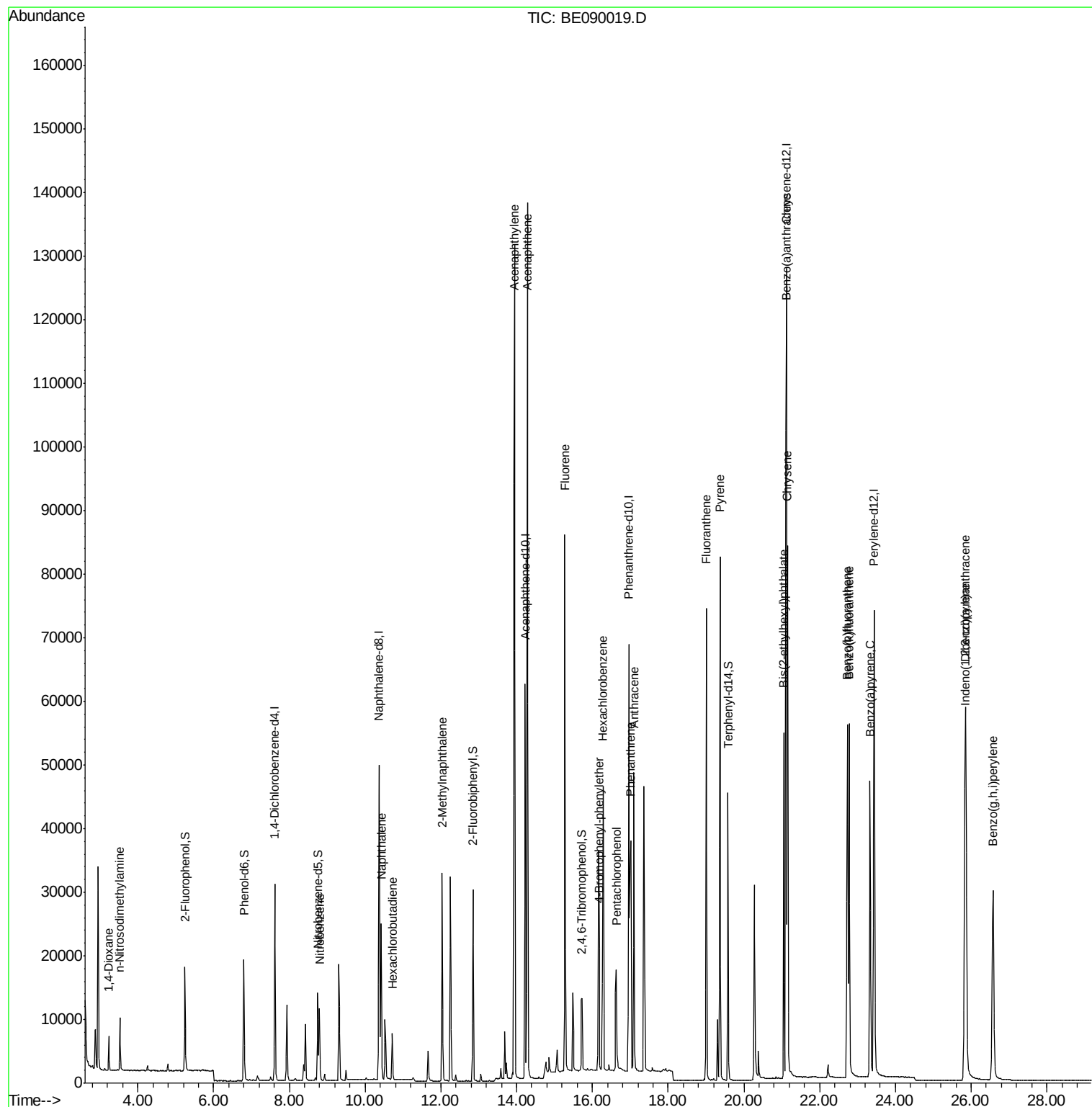
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.61  | 152  | 14568    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.37 | 136  | 64375    | 5.00 | ng    | -0.01    |
| 12) Acenaphthene-d10           | 14.23 | 164  | 36108    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.96 | 188  | 82123    | 5.00 | ng    | -0.02    |
| 25) Chrysene-d12               | 21.12 | 240  | 103067   | 5.00 | ng    | -0.01    |
| 32) Perylene-d12               | 23.44 | 264  | 101456   | 5.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.24  | 112  | 11542    | 3.45 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.80  | 99   | 20237    | 4.32 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.75  | 82   | 11726    | 2.29 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.73 | 330  | 6189     | 5.85 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.85 | 172  | 27944    | 2.58 | ng    | -0.01    |
| 27) Terphenyl-d14              | 19.58 | 244  | 45967    | 2.68 | ng    | -0.01    |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.23  | 88   | 2874     | 1.44 | ng    | 99       |
| 3) n-Nitrosodimethylamine      | 3.52  | 42   | 4597     | 1.70 | ng    | 85       |
| 8) Nitrobenzene                | 8.79  | 77   | 12390    | 2.28 | ng    | 97       |
| 9) Naphthalene                 | 10.42 | 128  | 32889    | 2.26 | ng    | 99       |
| 10) Hexachlorobutadiene        | 10.72 | 225  | 4953     | 2.17 | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.04 | 142  | 23702    | 2.44 | ng    | 99       |
| 15) Acenaphthylene             | 13.94 | 152  | 166476   | 2.56 | ng    | 99       |
| 16) Acenaphthene               | 14.28 | 154  | 24409    | 2.60 | ng    | 97       |
| 17) Fluorene                   | 15.27 | 166  | 33851    | 2.65 | ng    | 99       |
| 19) 4-Bromophenyl-phenylether  | 16.18 | 248  | 9332     | 2.67 | ng    | 90       |
| 20) Hexachlorobenzene          | 16.28 | 284  | 38274    | 2.63 | ng    | 98       |
| 21) Pentachlorophenol          | 16.63 | 266  | 9679     | 5.29 | ng    | 97       |
| 22) Phenanthrene               | 17.01 | 178  | 53744    | 2.55 | ng    | 100      |
| 23) Anthracene                 | 17.10 | 178  | 54775    | 2.85 | ng    | 99       |
| 24) Fluoranthene               | 19.01 | 202  | 66331    | 2.82 | ng    | 100      |
| 26) Pyrene                     | 19.37 | 202  | 71176    | 2.90 | ng    | 99       |
| 28) Benzo(a)anthracene         | 21.11 | 228  | 73724    | 2.86 | ng    | 99       |
| 29) Chrysene                   | 21.15 | 228  | 72661    | 2.72 | ng    | 97       |
| 30) Bis(2-ethylhexyl)phthalate | 21.05 | 149  | 46189    | 3.97 | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.84 | 276  | 81280    | 3.17 | ng    | 98       |
| 33) Benzo(b)fluoranthene       | 22.73 | 252  | 72714    | 3.25 | ng    | 99       |
| 34) Benzo(k)fluoranthene       | 22.78 | 252  | 74117    | 2.96 | ng    | 99       |
| 35) Benzo(a)pyrene             | 23.33 | 252  | 69369    | 3.36 | ng    | 99       |
| 36) Dibenzo(a,h)anthracene     | 25.86 | 278  | 67271    | 3.17 | ng    | 99       |
| 37) Benzo(g,h,i)perylene       | 26.58 | 276  | 68409    | 3.18 | ng    | 98       |

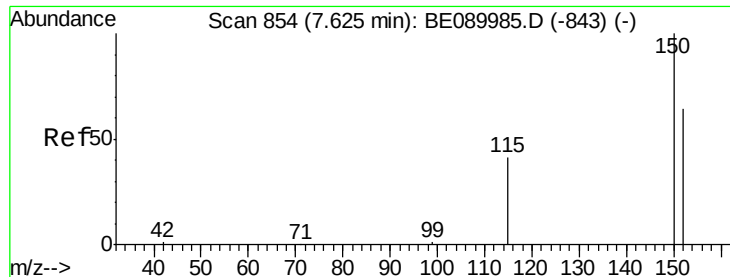
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE063015\  
Data File : BE090019.D  
Acq On : 30 Jun 2015 20:19  
Operator : TP/IZ  
Sample : G2824-04MSD  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
X1SB0650204-150626MSD

Quant Time: Jul 01 05:18:14 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 30 07:01:01 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

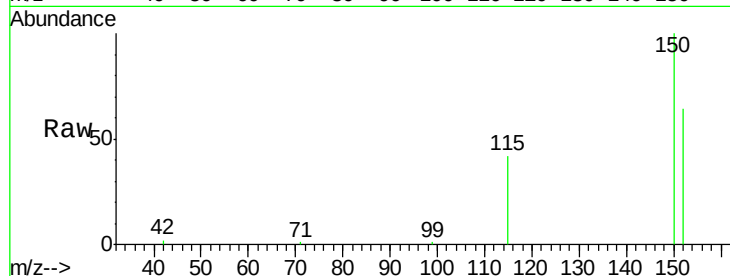
Tgt Ion:152 Resp: 14568

Ion Ratio Lower Upper

152 100

150 156.4 123.9 185.9

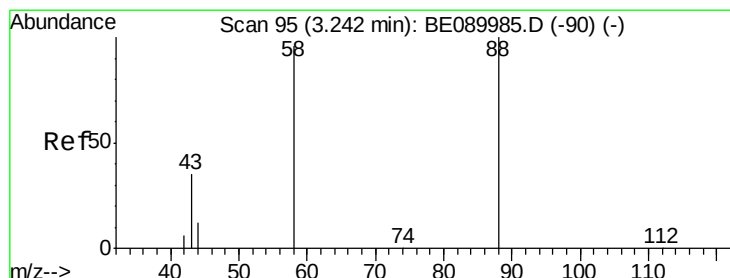
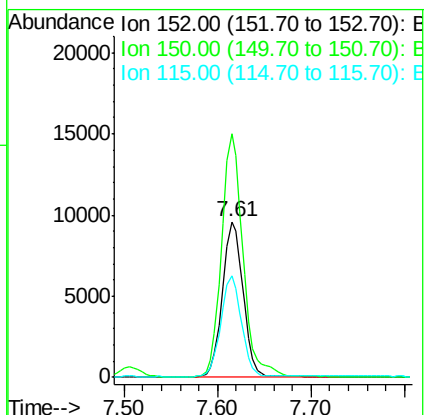
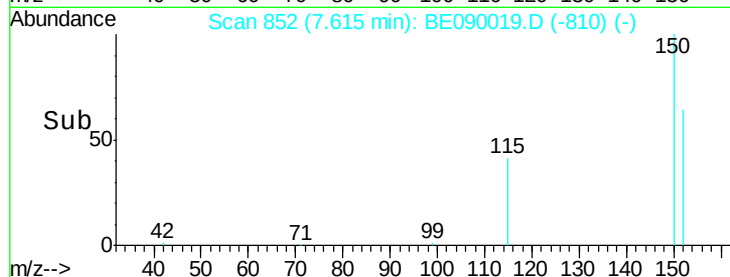
115 65.0 50.6 76.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.44 ng

RT: 3.23 min Scan# 93

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

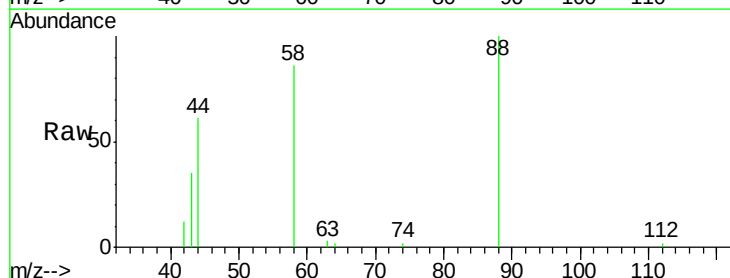
Tgt Ion: 88 Resp: 2874

Ion Ratio Lower Upper

88 100

58 88.0 70.9 106.3

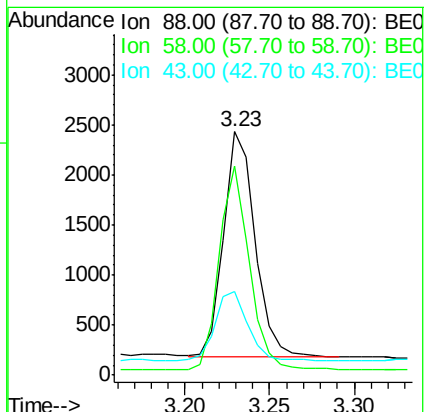
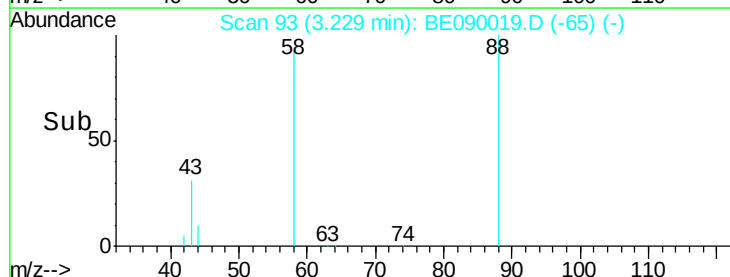
43 33.1 27.6 41.4

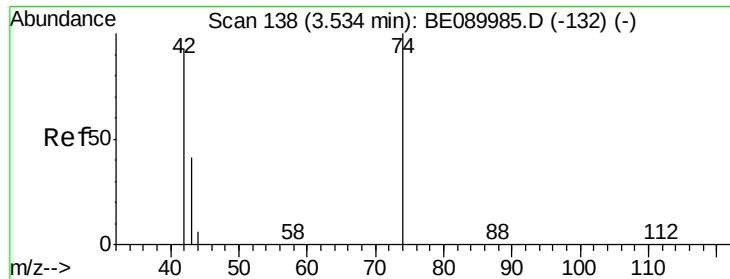


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



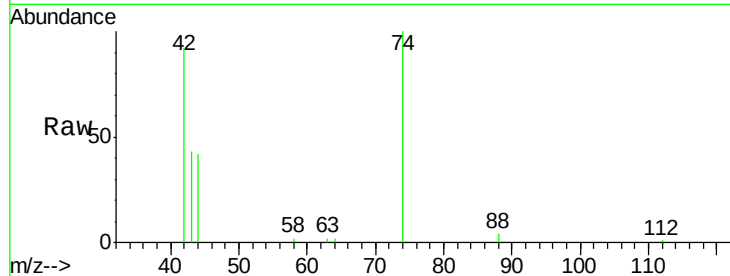


#3

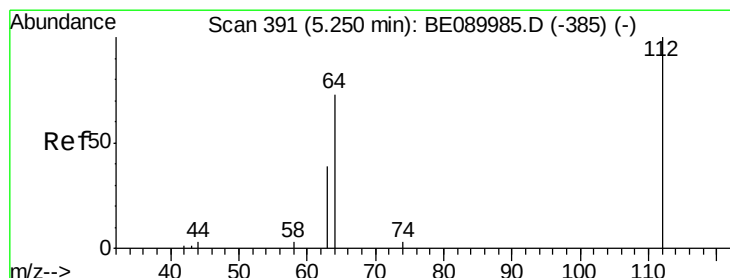
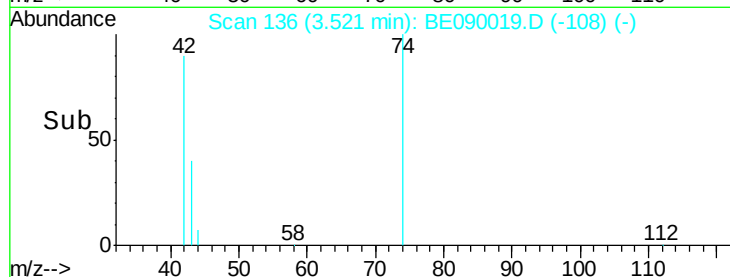
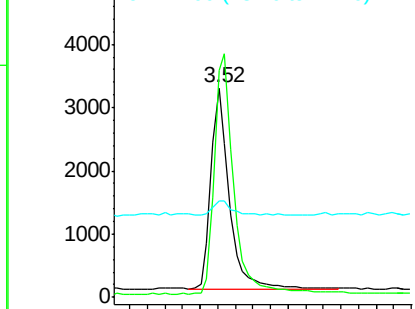
n-Nitrosodimethylamine  
 Concen: 1.70 ng  
 RT: 3.52 min Scan# 136  
 Delta R.T. -0.01 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

Tgt Ion: 42 Resp: 4597  
 Ion Ratio Lower Upper  
 42 100  
 74 128.3 89.4 134.2  
 44 7.7 6.9 10.3



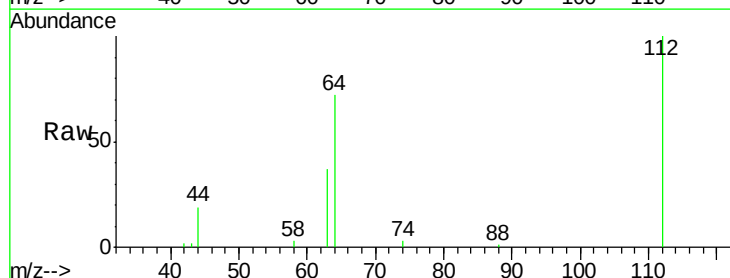
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



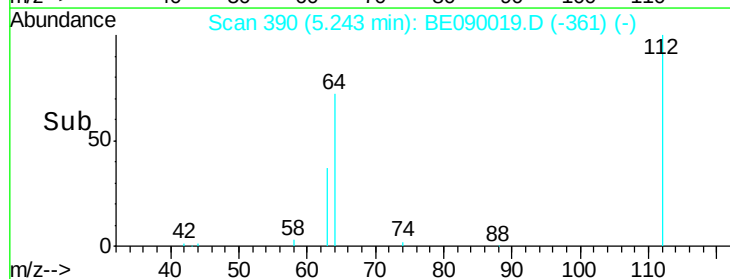
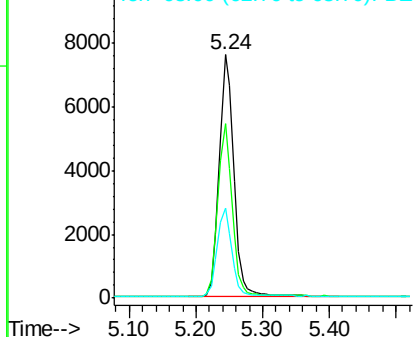
#4

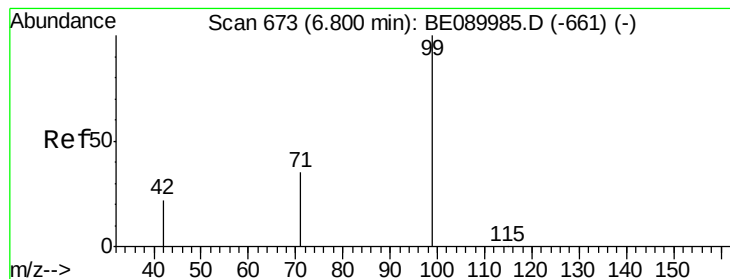
2-Fluorophenol  
 Concen: 3.45 ng  
 RT: 5.24 min Scan# 390  
 Delta R.T. -0.01 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Tgt Ion: 112 Resp: 11542  
 Ion Ratio Lower Upper  
 112 100  
 64 70.3 56.3 84.5  
 63 36.0 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BE0  
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.32 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

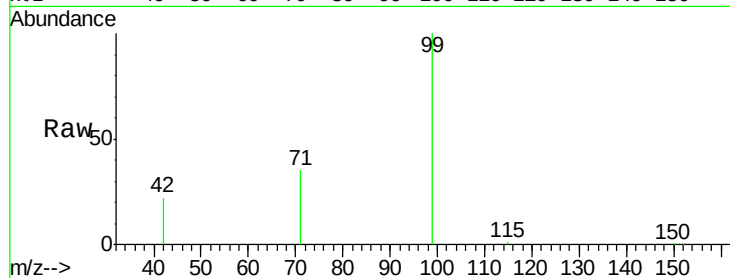
Tgt Ion: 99 Resp: 20237

Ion Ratio Lower Upper

99 100

42 21.2 18.7 28.1

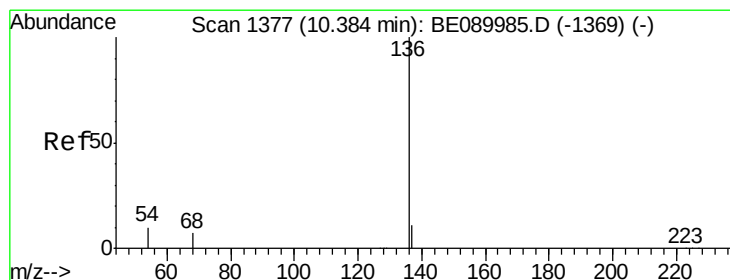
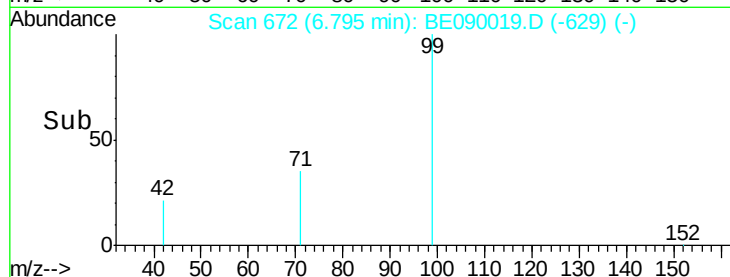
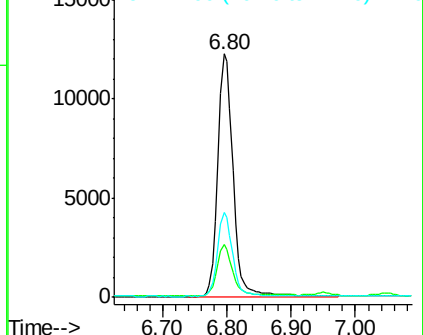
71 34.6 27.5 41.3



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. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Tgt Ion: 136 Resp: 64375

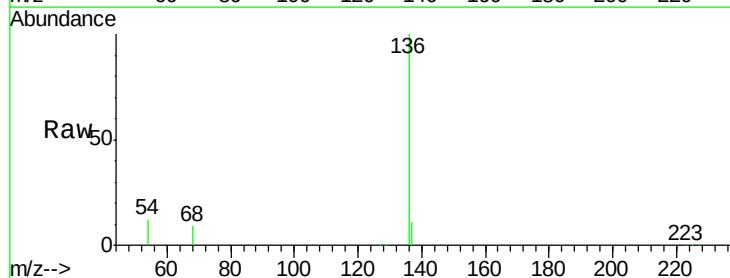
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 12.0 8.2 12.4

68 8.6 5.8 8.8

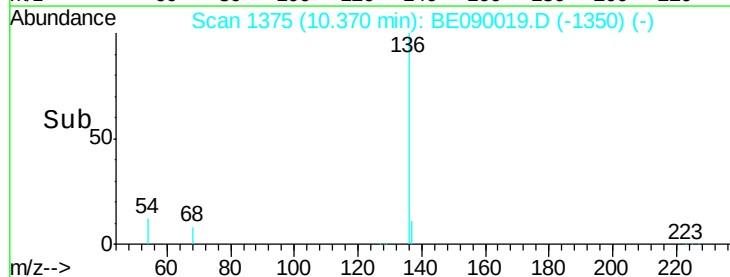
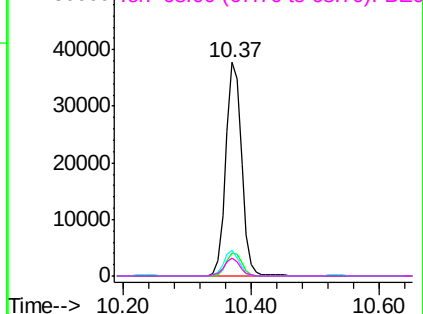


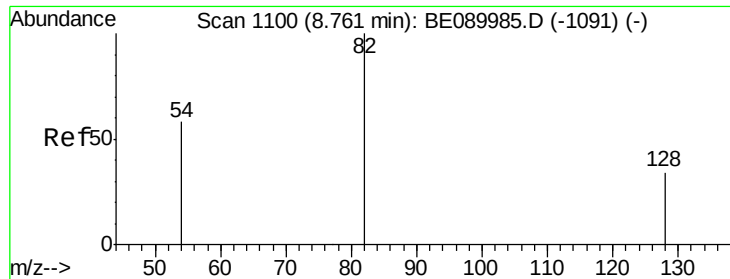
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.29 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

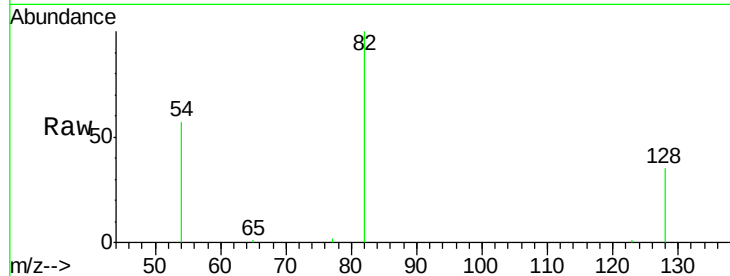
Tgt Ion: 82 Resp: 11726

Ion Ratio Lower Upper

82 100

128 35.5 28.0 42.0

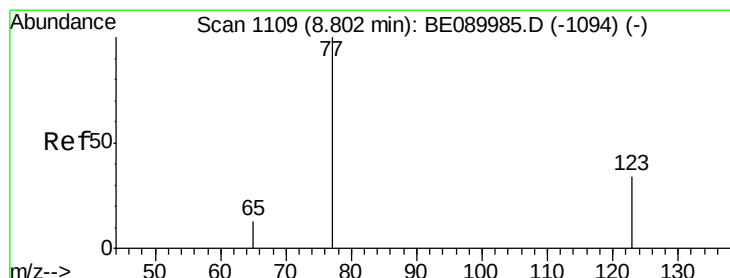
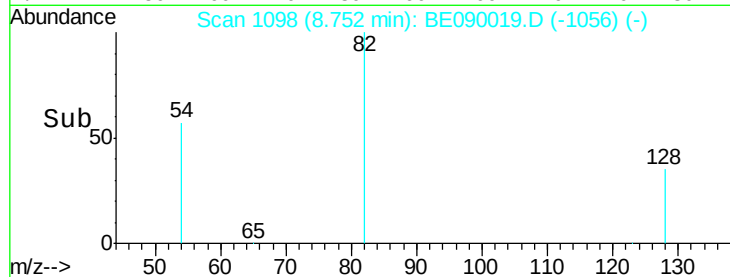
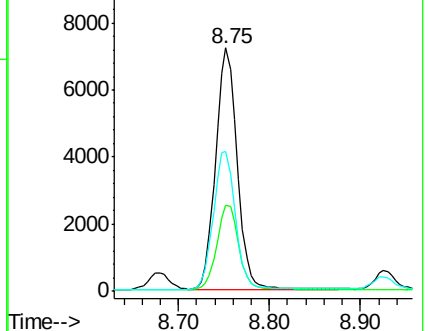
54 57.4 47.6 71.4



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: 2.28 ng

RT: 8.79 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

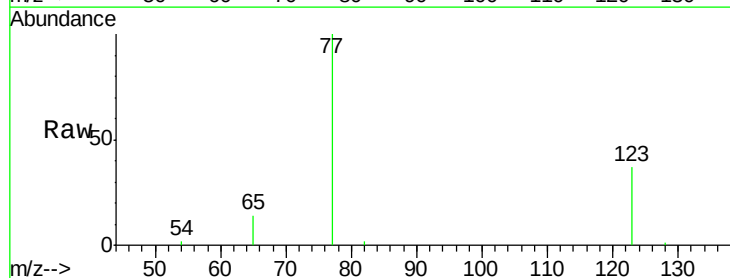
Tgt Ion: 77 Resp: 12390

Ion Ratio Lower Upper

77 100

123 36.3 27.4 41.0

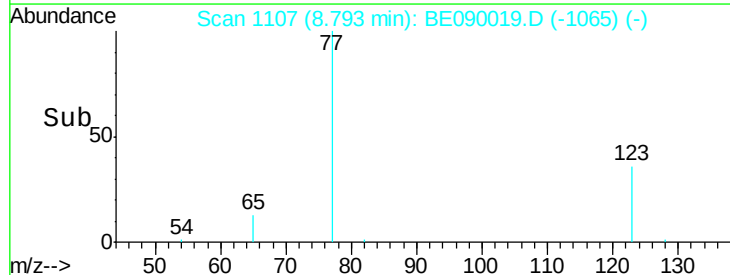
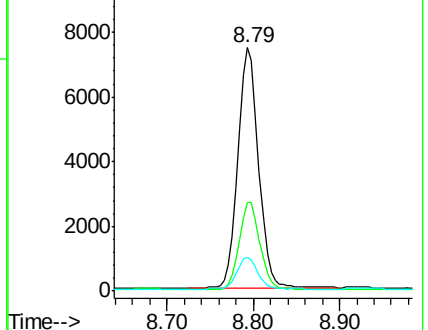
65 13.2 10.6 15.8

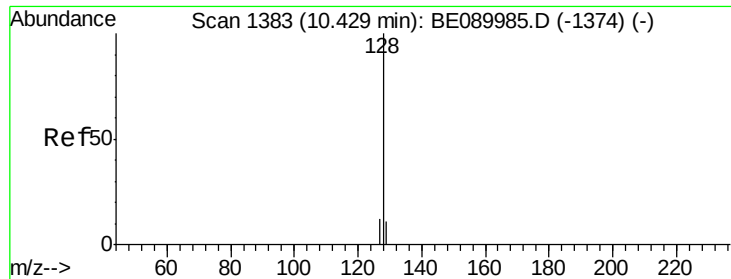


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 2.26 ng

RT: 10.42 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

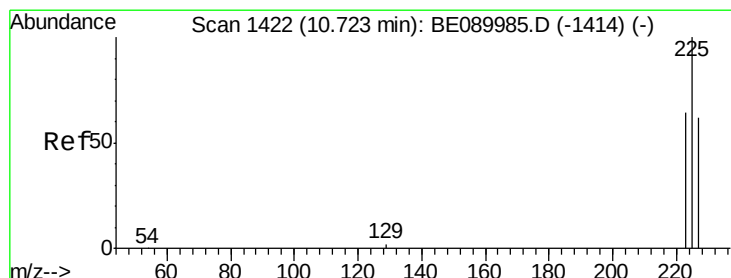
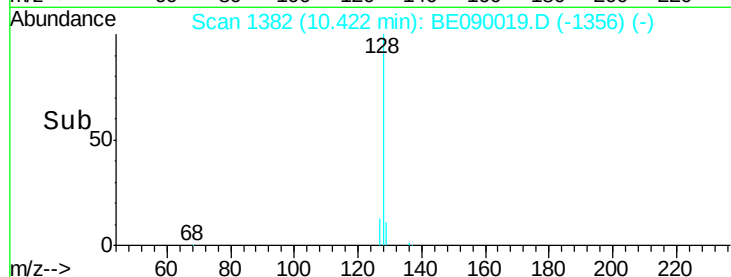
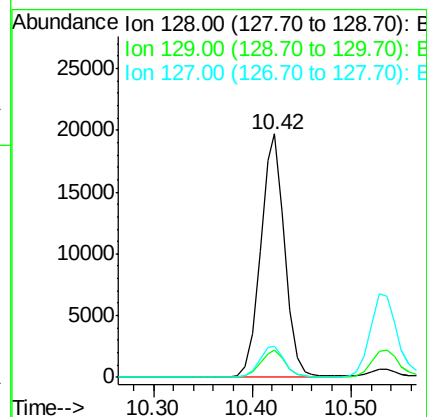
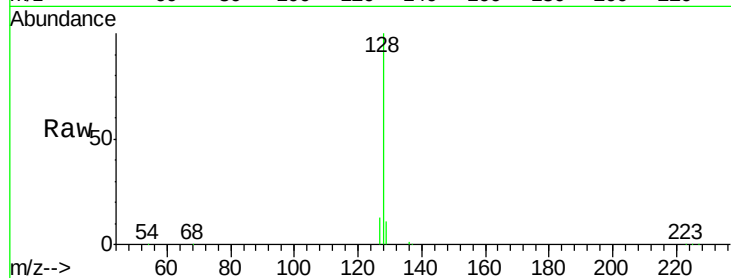
Tgt Ion:128 Resp: 32889

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

127 12.8 10.2 15.4



#10

Hexachlorobutadiene

Concen: 2.17 ng

RT: 10.72 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

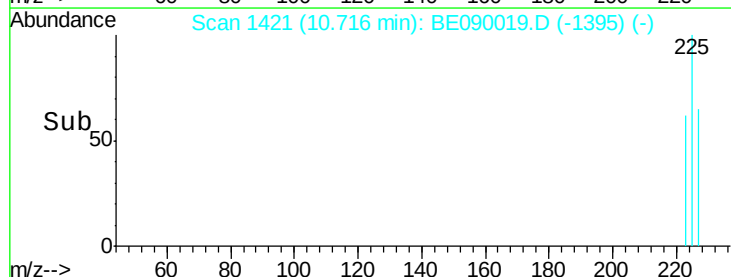
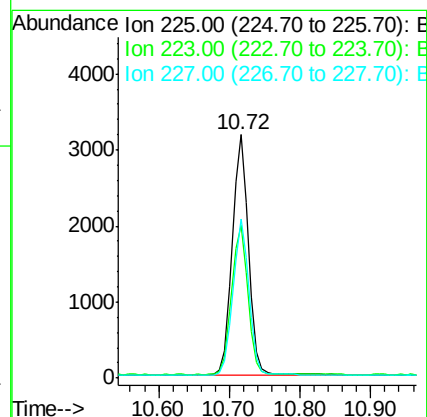
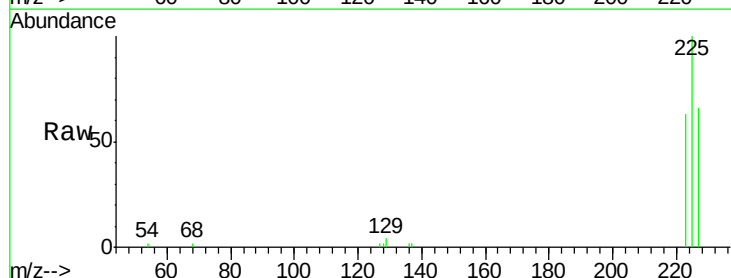
Tgt Ion:225 Resp: 4953

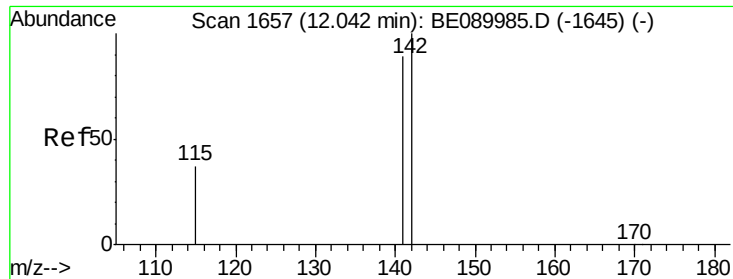
Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 64.2 50.9 76.3

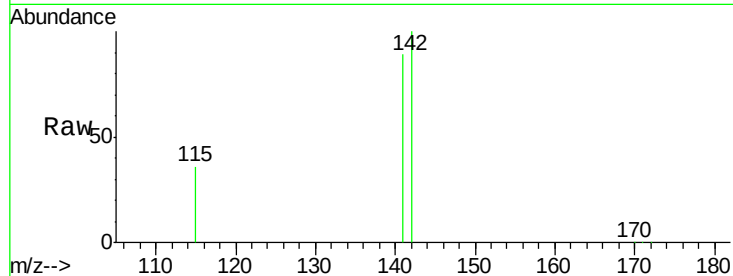




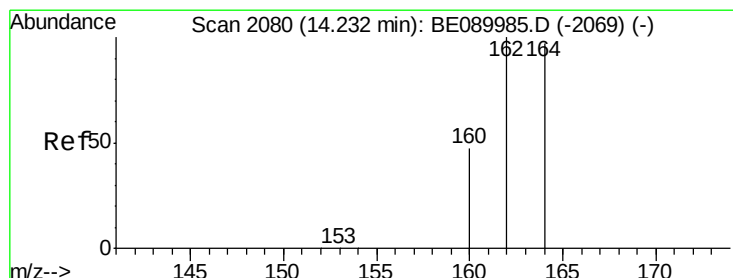
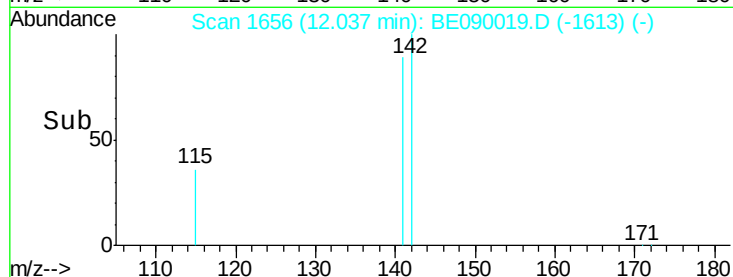
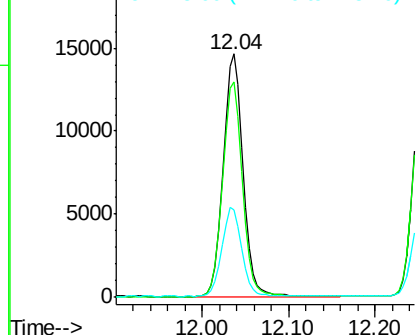
#11  
2-Methylnaphthalene  
Concen: 2.44 ng  
RT: 12.04 min Scan# 1656  
Delta R.T. -0.01 min  
Lab File: BE090019.D  
Acq: 30 Jun 2015 20:19

Instrument :  
BNA\_E  
ClientSampleId :  
X1SB0650204-150626MSD

Tgt Ion:142 Resp: 23702  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.3 106.9  
115 36.2 30.4 45.6

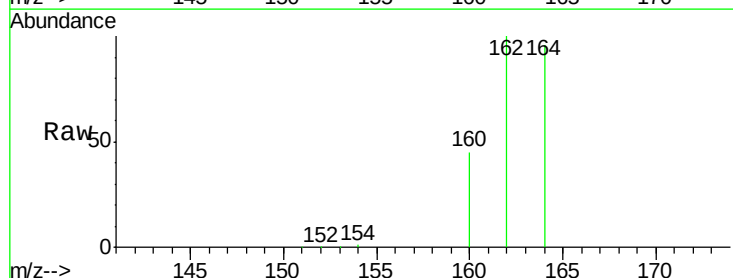


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

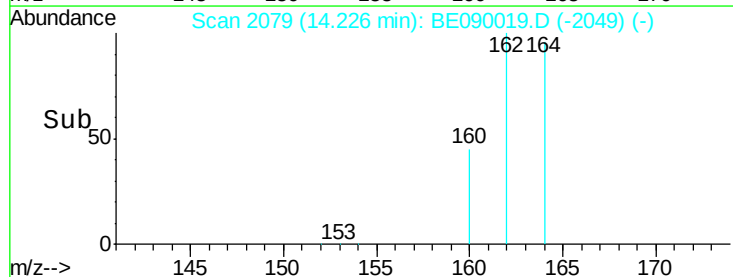
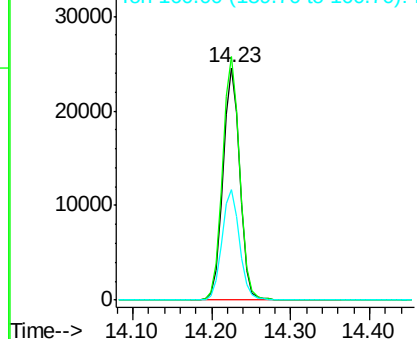


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.23 min Scan# 2079  
Delta R.T. -0.01 min  
Lab File: BE090019.D  
Acq: 30 Jun 2015 20:19

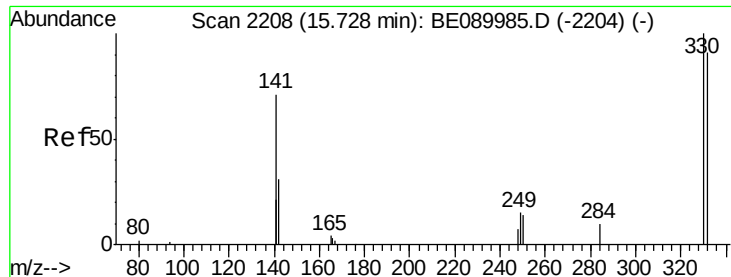
Tgt Ion:164 Resp: 36108  
Ion Ratio Lower Upper  
164 100  
162 104.6 82.2 123.4  
160 47.5 39.0 58.6



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



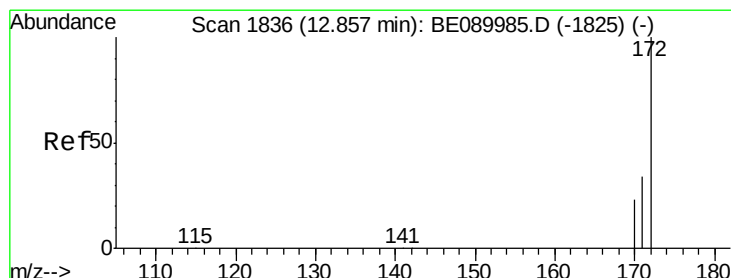
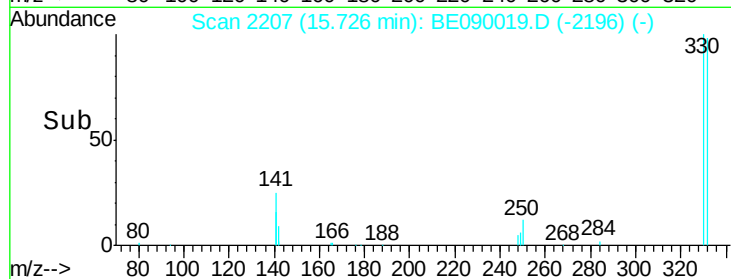
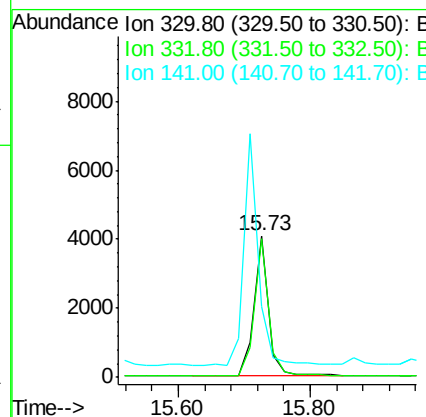
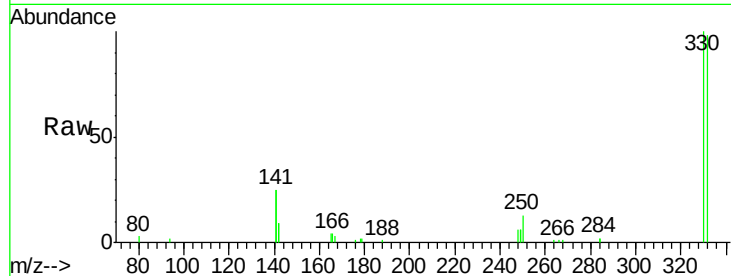




#13  
 2,4,6-Tribromophenol  
 Concen: 5.85 ng  
 RT: 15.73 min Scan# 2207  
 Delta R.T. -0.00 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

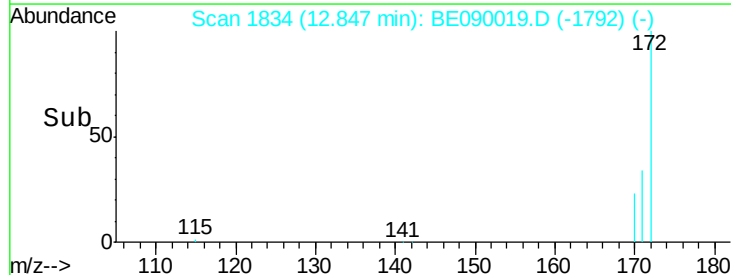
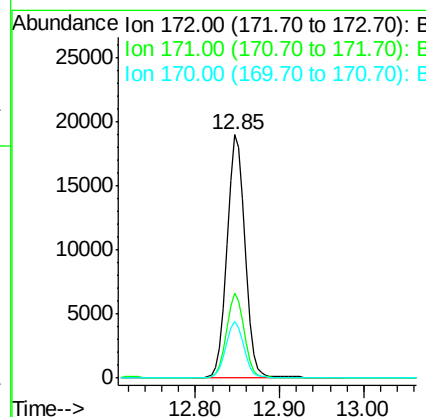
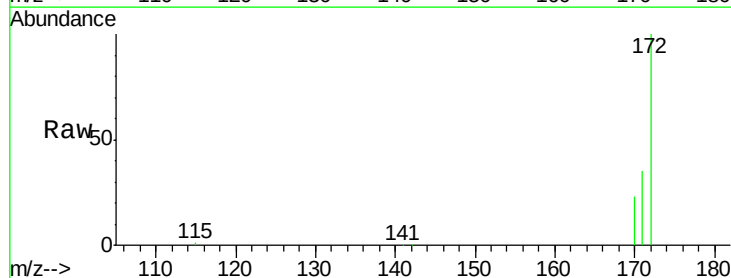
Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

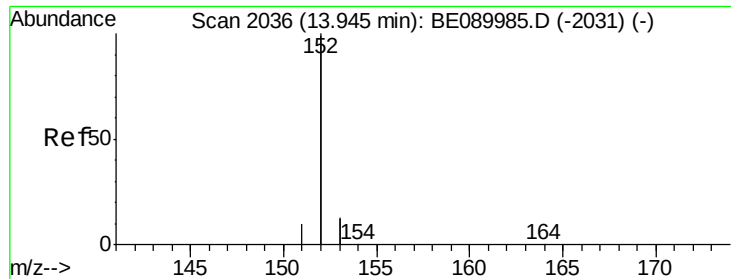
Tgt Ion: 330 Resp: 6189  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.4 114.6  
 141 167.7 130.3 195.5



#14  
 2-Fluorobiphenyl  
 Concen: 2.58 ng  
 RT: 12.85 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Tgt Ion: 172 Resp: 27944  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 27.8 41.6  
 170 23.4 18.3 27.5





#15

Acenaphthylene

Concen: 2.56 ng

RT: 13.94 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

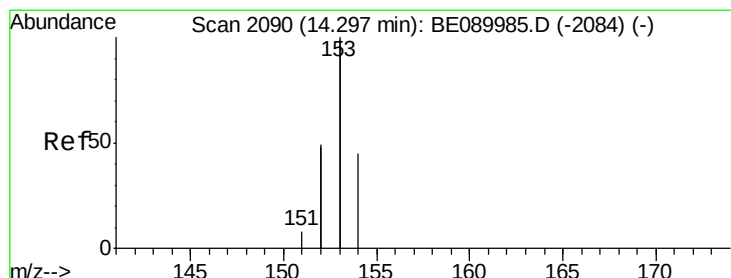
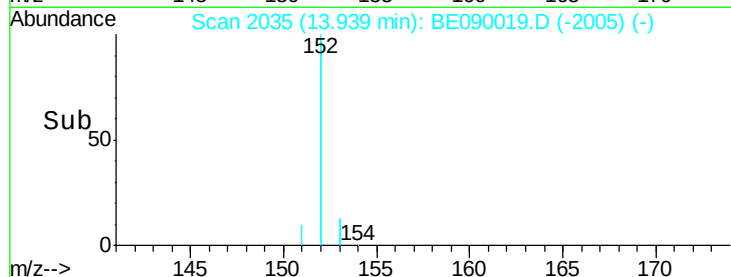
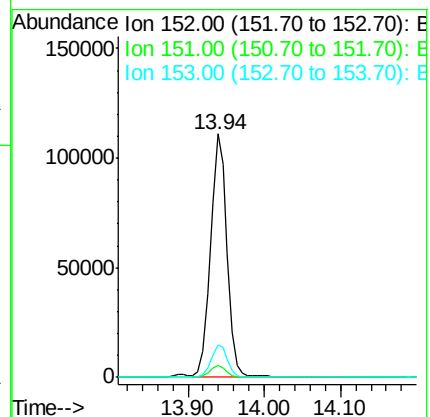
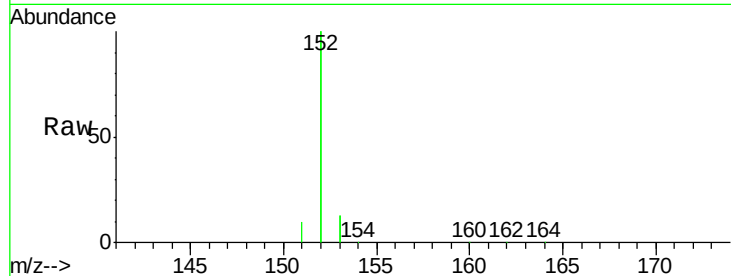
Tgt Ion:152 Resp: 166476

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.3 10.4 15.6



#16

Acenaphthene

Concen: 2.60 ng

RT: 14.28 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

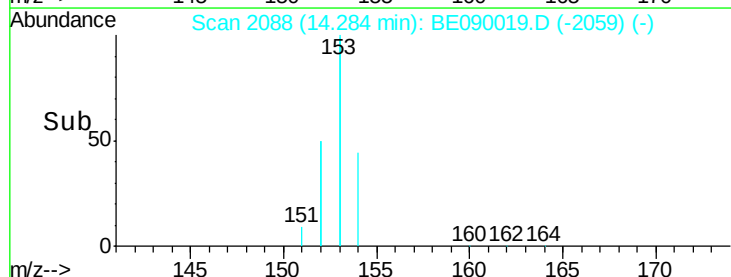
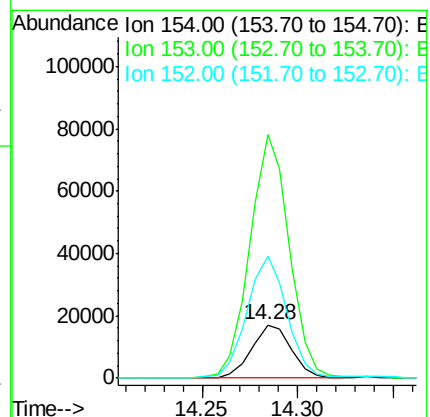
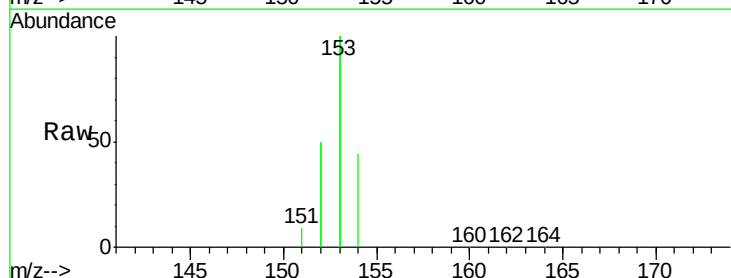
Tgt Ion:154 Resp: 24409

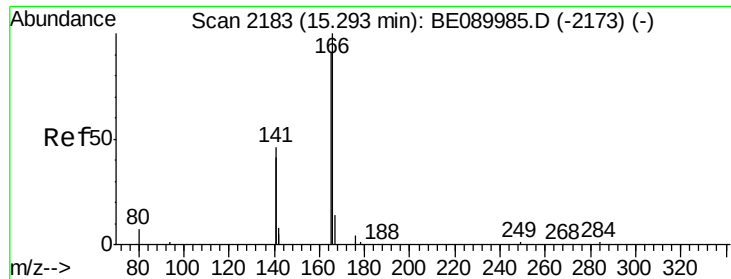
Ion Ratio Lower Upper

154 100

153 455.3 358.6 538.0

152 229.8 189.6 284.4

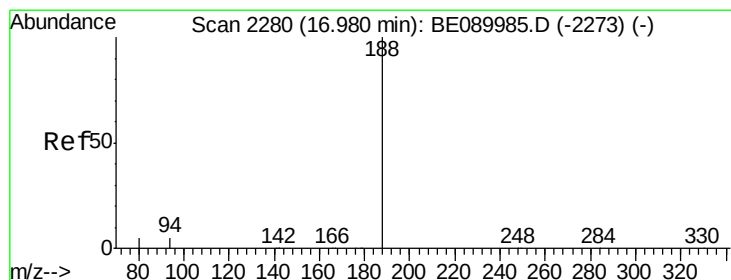
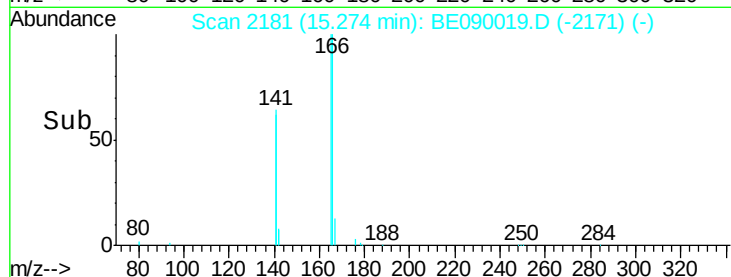
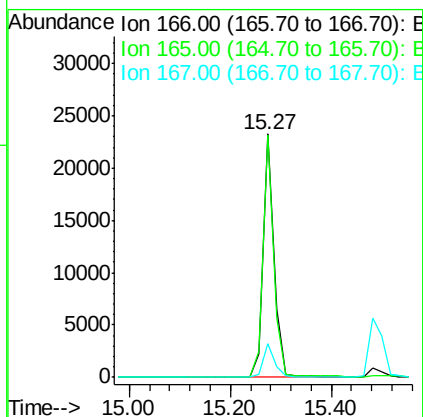
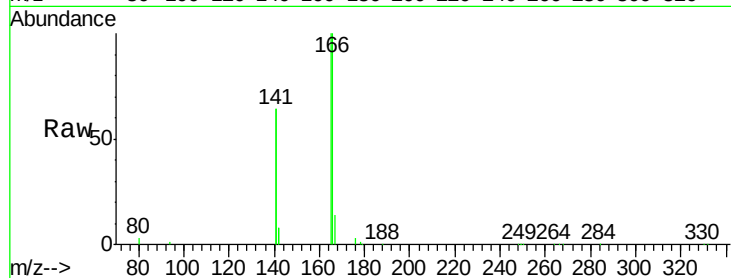




#17  
**Fluorene**  
 Concen: 2.65 ng  
 RT: 15.27 min Scan# 2181  
 Delta R.T. -0.02 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

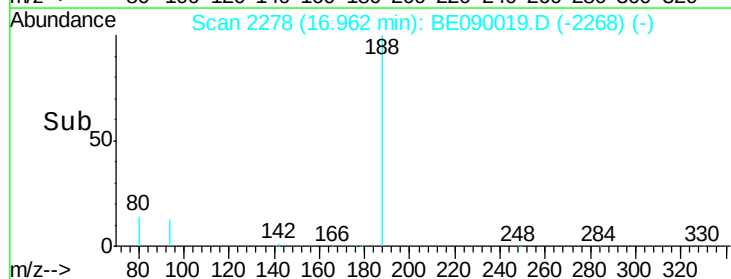
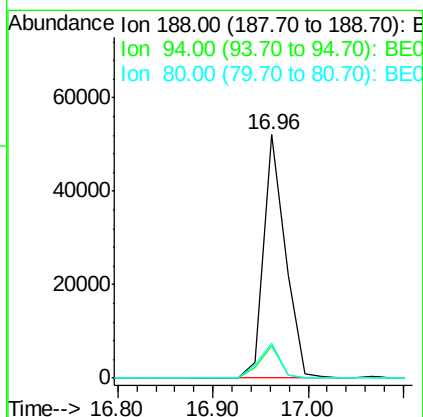
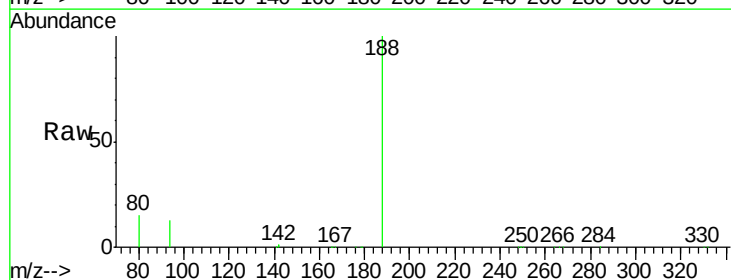
Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

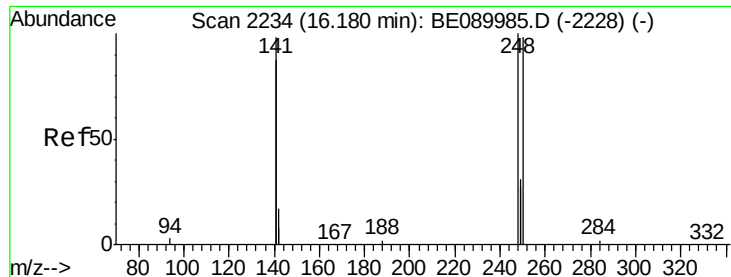
Tgt Ion:166 Resp: 33851  
 Ion Ratio Lower Upper  
 166 100  
 165 98.0 79.0 118.6  
 167 14.0 11.8 17.8



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.96 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Tgt Ion:188 Resp: 82123  
 Ion Ratio Lower Upper  
 188 100  
 94 13.2 4.1 6.1#  
 80 14.5 4.2 6.2#





#19

4-Bromophenyl-phenylether

Concen: 2.67 ng

RT: 16.18 min Scan# 2233

Delta R.T. -0.00 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

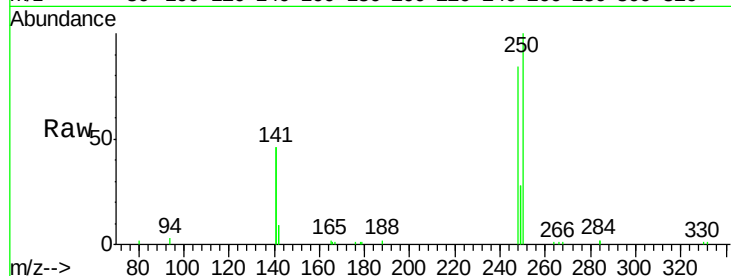
Tgt Ion:248 Resp: 9332

Ion Ratio Lower Upper

248 100

250 99.1 78.3 117.5

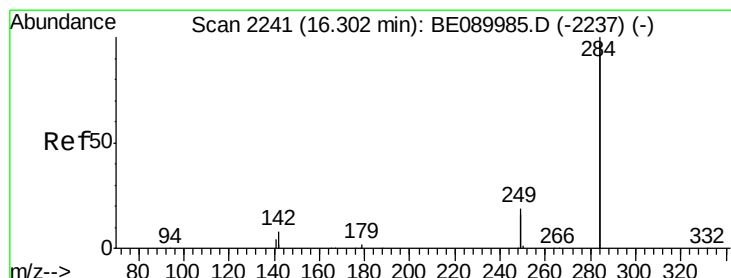
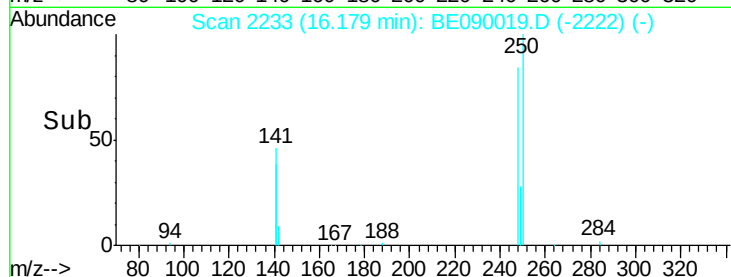
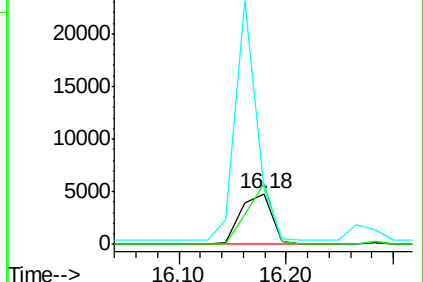
141 335.3 248.1 372.1



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: 2.63 ng

RT: 16.28 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

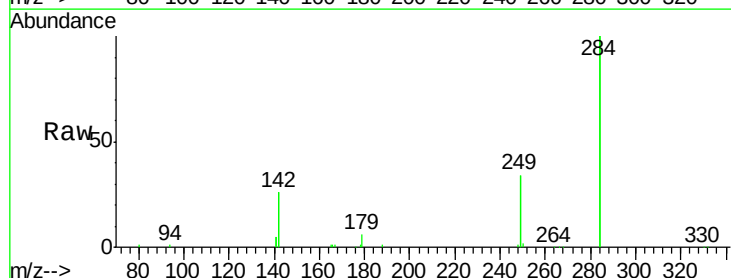
Tgt Ion:284 Resp: 38274

Ion Ratio Lower Upper

284 100

142 39.1 32.6 49.0

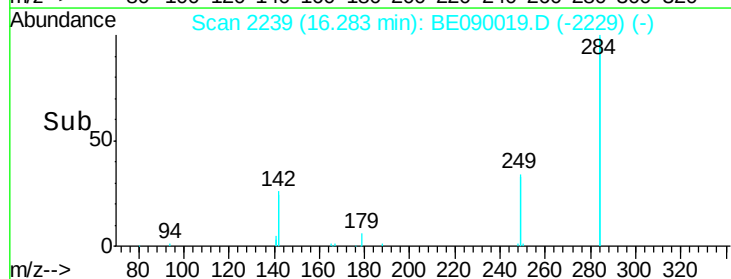
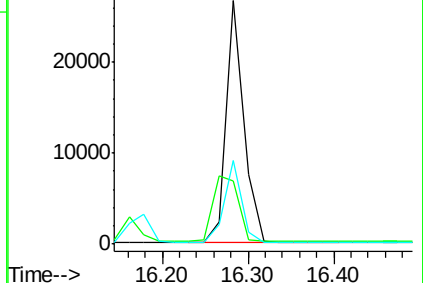
249 33.1 25.5 38.3

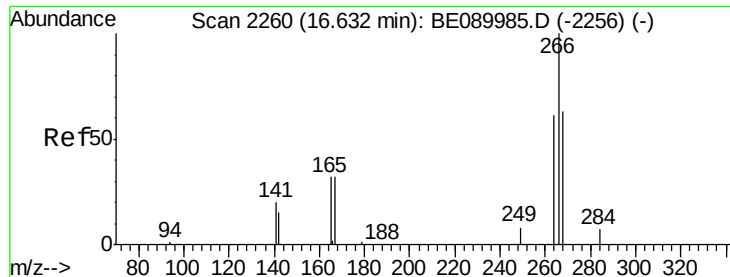


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

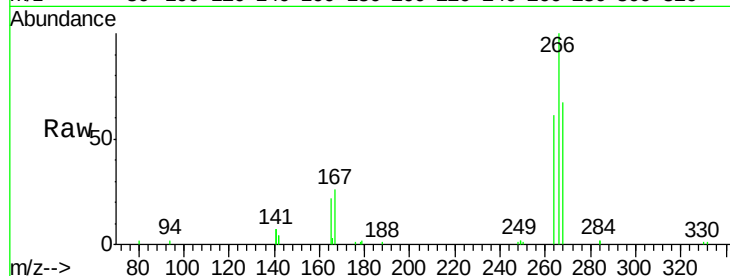




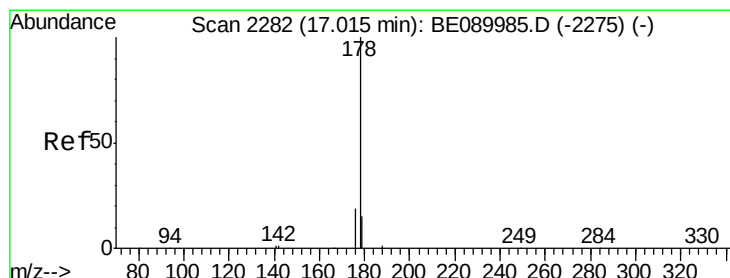
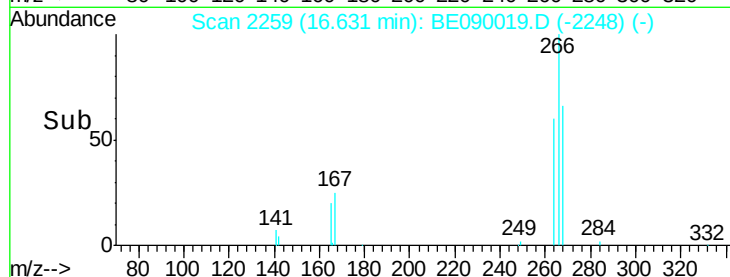
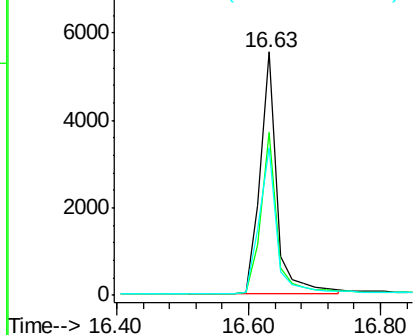
#21  
 Pentachlorophenol  
 Concen: 5.29 ng  
 RT: 16.63 min Scan# 2259  
 Delta R.T. -0.00 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

Tgt Ion: 266 Resp: 9679  
 Ion Ratio Lower Upper  
 266 100  
 268 66.8 51.8 77.8  
 264 60.5 50.2 75.2

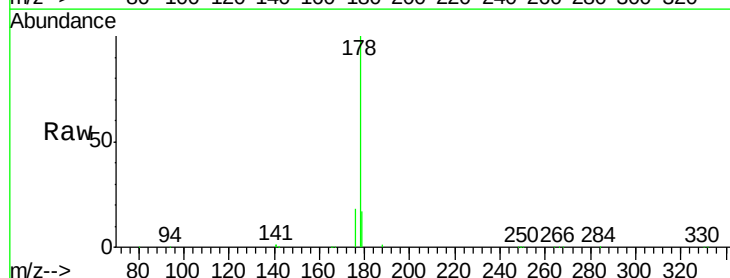


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

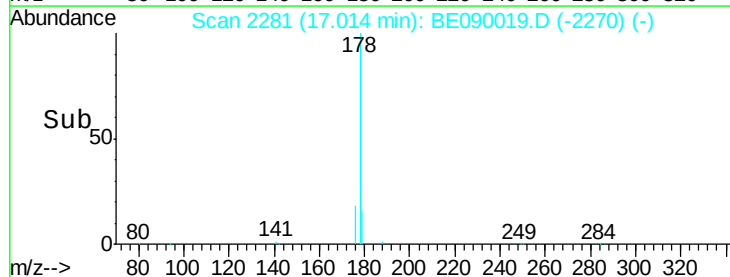
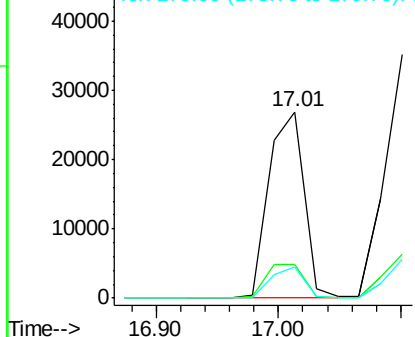


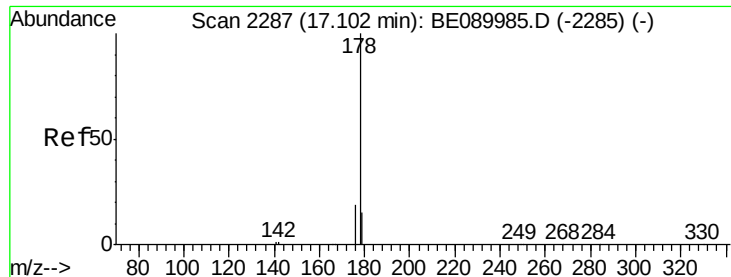
#22  
 Phenanthrene  
 Concen: 2.55 ng  
 RT: 17.01 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Tgt Ion: 178 Resp: 53744  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.3 22.9  
 179 15.5 12.4 18.6



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: 2.85 ng

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

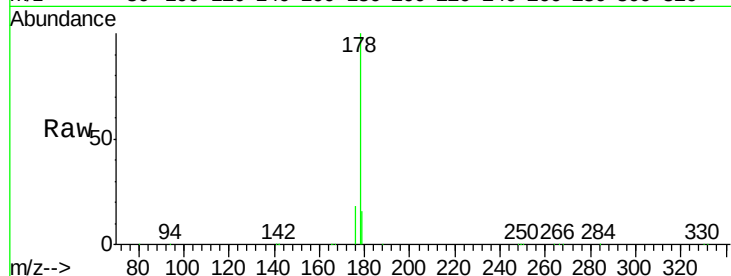
Tgt Ion:178 Resp: 54775

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

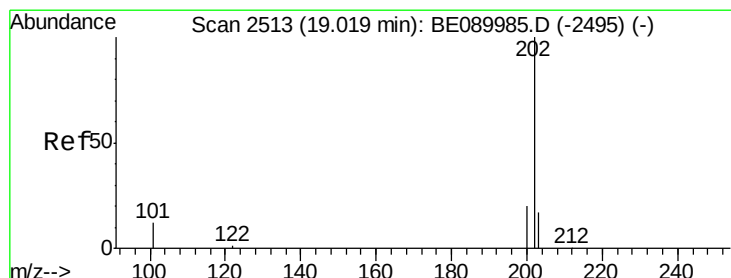
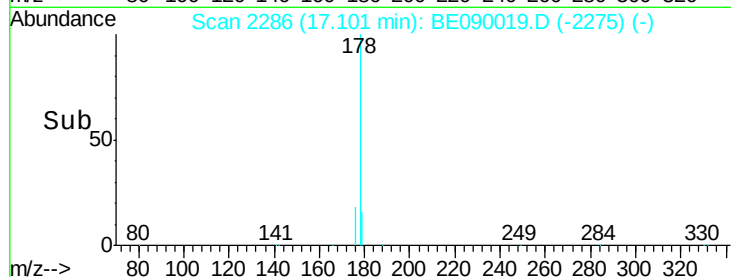
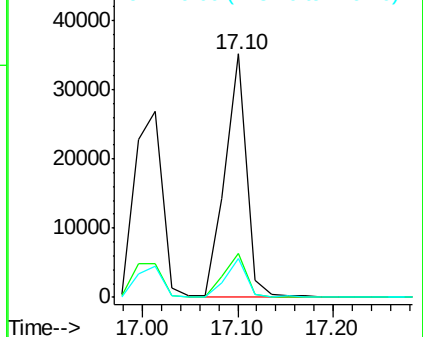
179 15.6 12.1 18.1



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: 2.82 ng

RT: 19.01 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

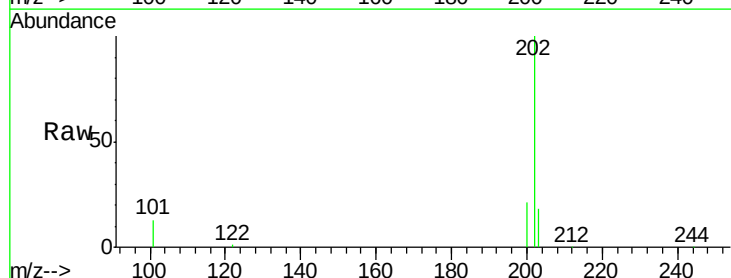
Tgt Ion:202 Resp: 66331

Ion Ratio Lower Upper

202 100

101 13.3 10.6 15.8

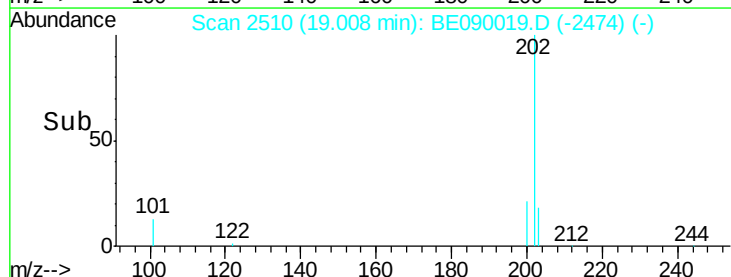
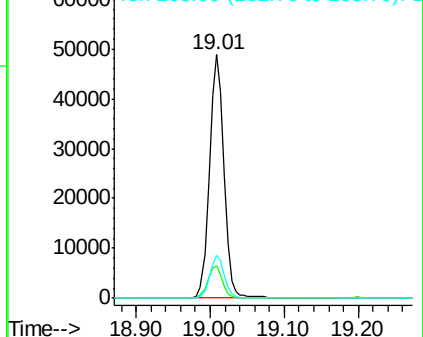
203 17.2 13.8 20.6

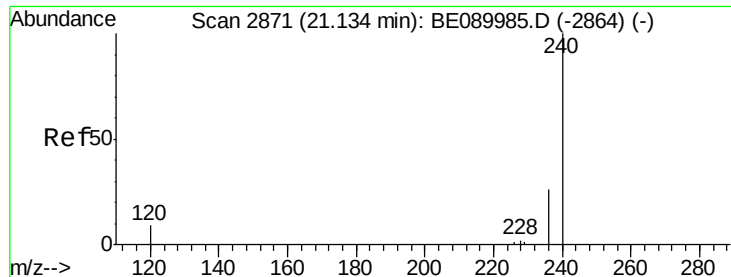


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

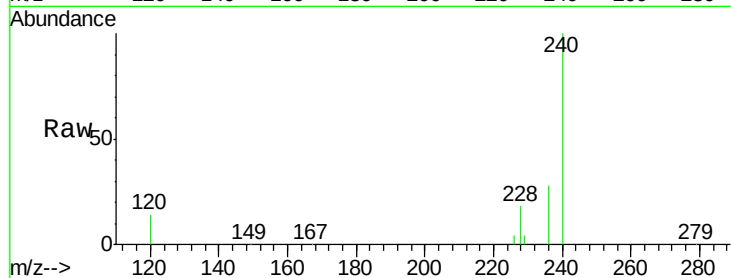
Tgt Ion:240 Resp: 103067

Ion Ratio Lower Upper

240 100

120 13.9 6.9 10.3#

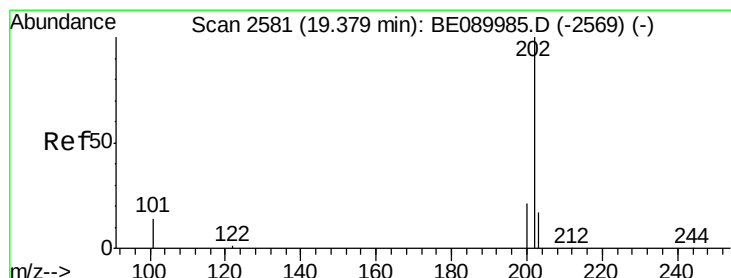
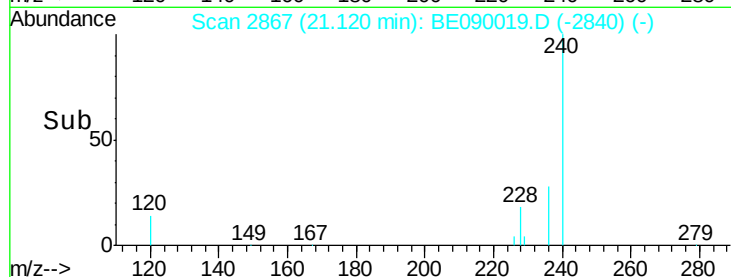
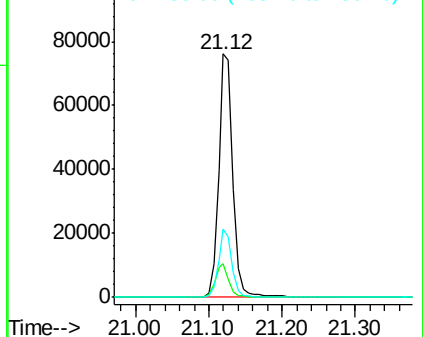
236 28.0 20.8 31.2



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: 2.90 ng

RT: 19.37 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

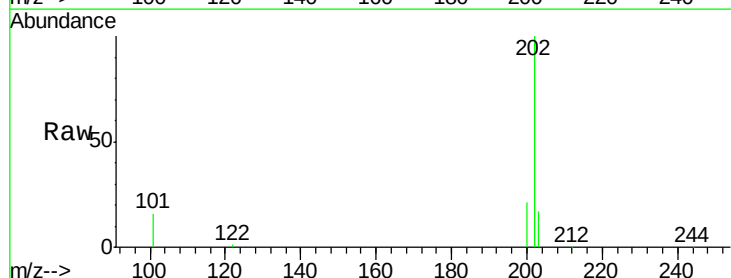
Tgt Ion:202 Resp: 71176

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

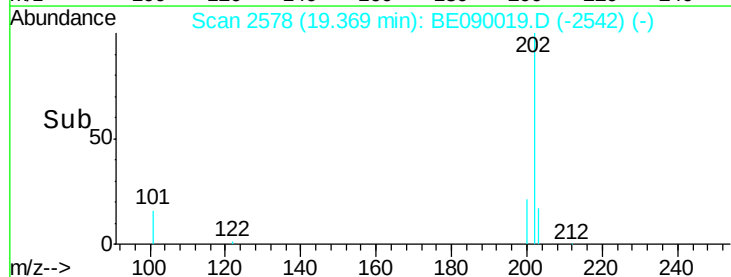
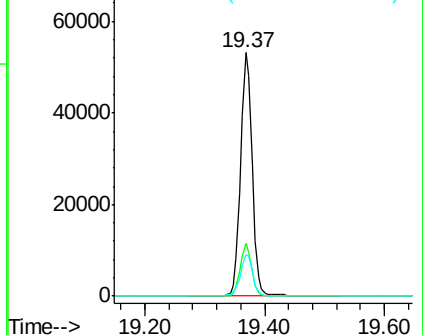
203 18.0 13.9 20.9

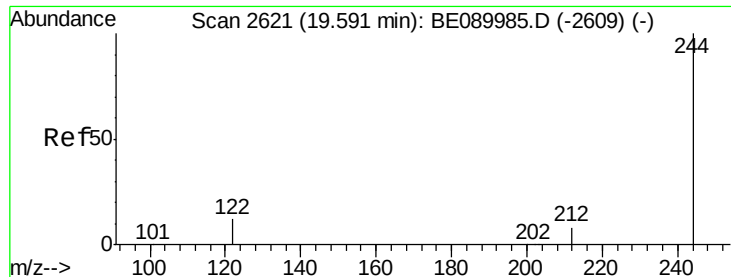


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

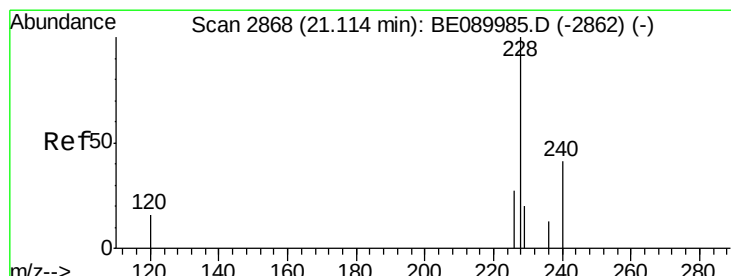
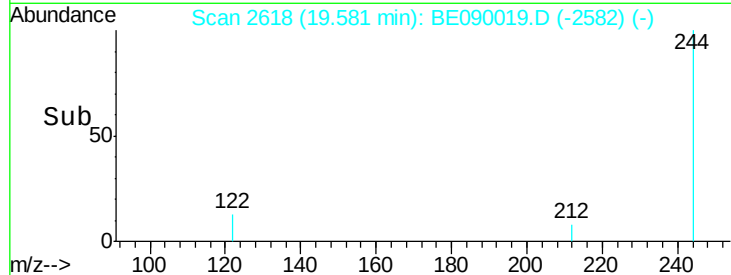
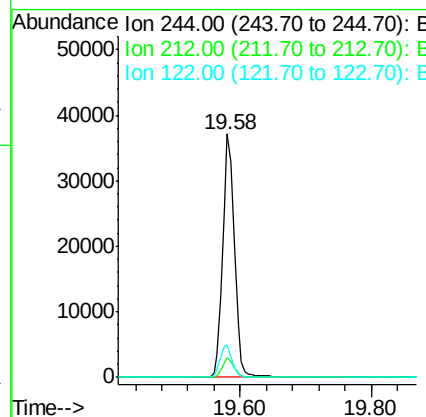
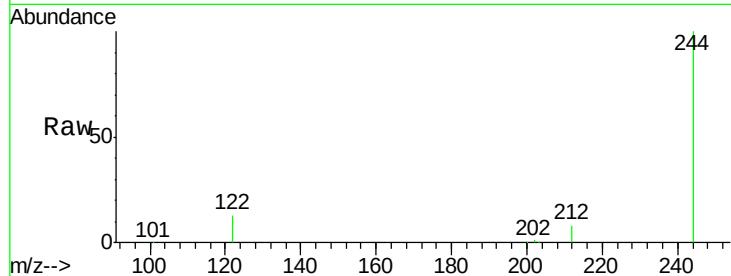




#27  
 Terphenyl-d14  
 Concen: 2.68 ng  
 RT: 19.58 min Scan# 2618  
 Delta R.T. -0.01 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

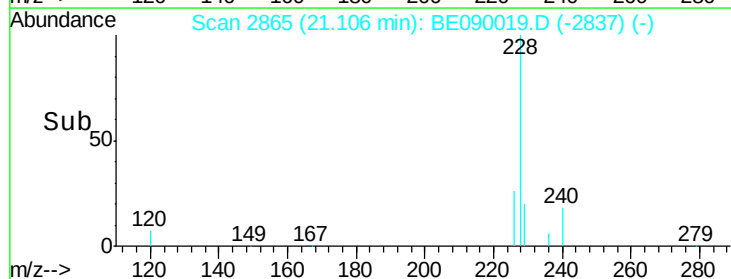
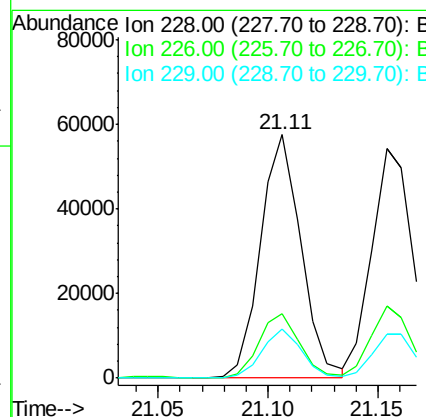
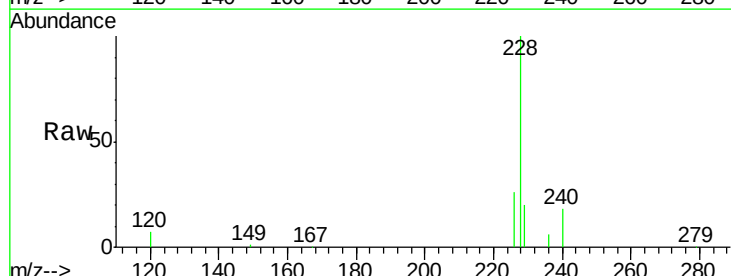
Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SB0650204-150626MSD

Tgt Ion: 244 Resp: 45967  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.6 9.8  
 122 13.1 9.8 14.8

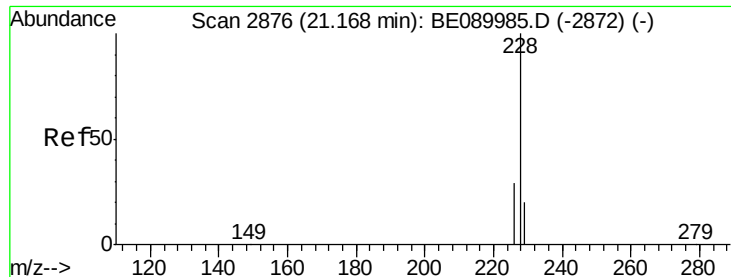


#28  
 Benzo(a)anthracene  
 Concen: 2.86 ng  
 RT: 21.11 min Scan# 2865  
 Delta R.T. -0.01 min  
 Lab File: BE090019.D  
 Acq: 30 Jun 2015 20:19

Tgt Ion: 228 Resp: 73724  
 Ion Ratio Lower Upper  
 228 100  
 226 26.3 21.8 32.6  
 229 20.1 15.8 23.6







#29

Chrysene

Concen: 2.72 ng

RT: 21.15 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

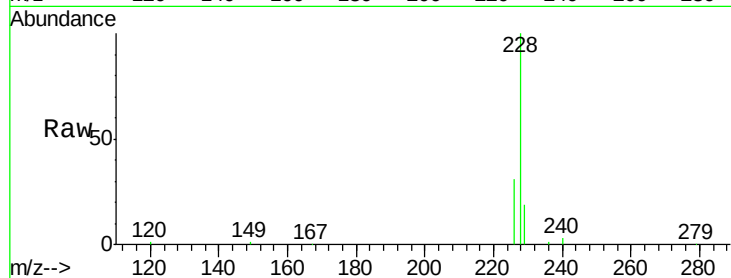
Tgt Ion: 228 Resp: 72661

Ion Ratio Lower Upper

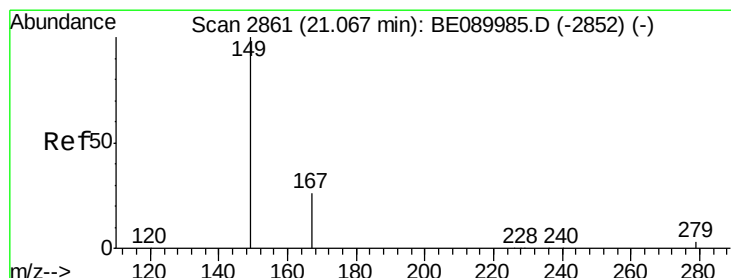
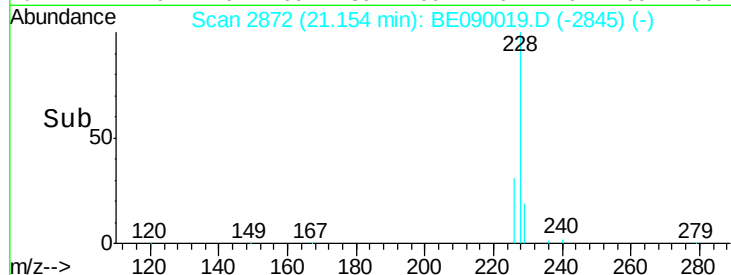
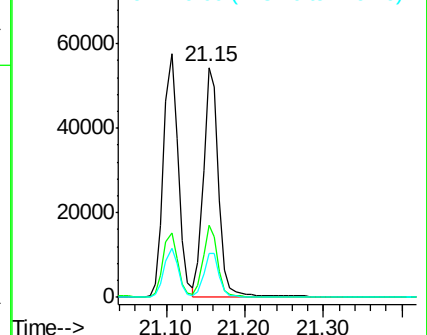
228 100

226 31.1 23.4 35.0

229 19.3 16.2 24.2



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: 3.97 ng

RT: 21.05 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

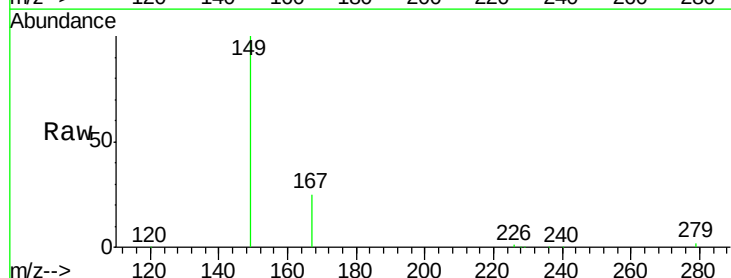
Tgt Ion: 149 Resp: 46189

Ion Ratio Lower Upper

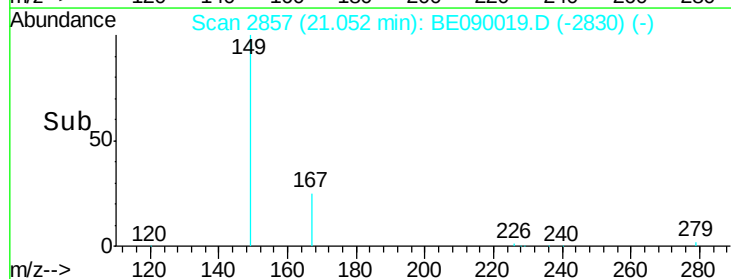
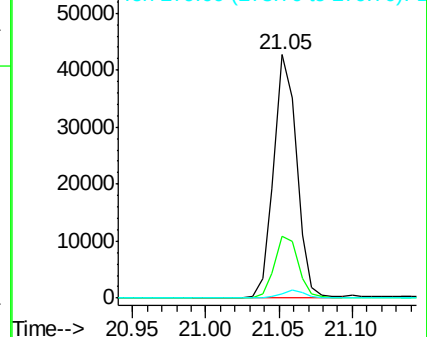
149 100

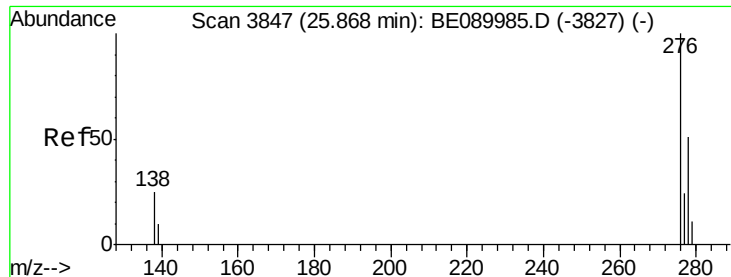
167 26.1 20.3 30.5

279 3.0 2.6 3.8



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: 3.17 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

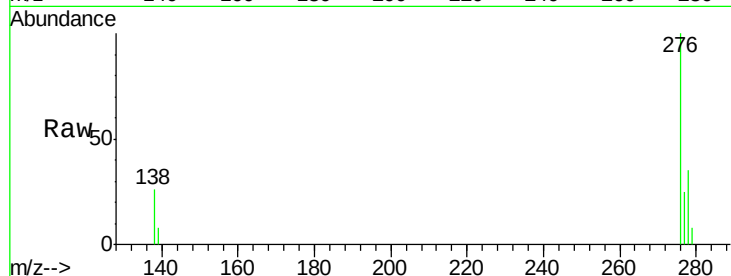
Tgt Ion:276 Resp: 81280

Ion Ratio Lower Upper

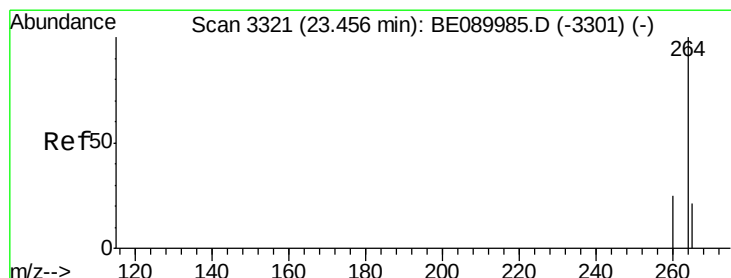
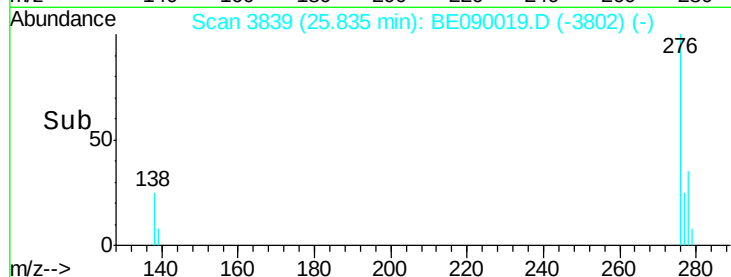
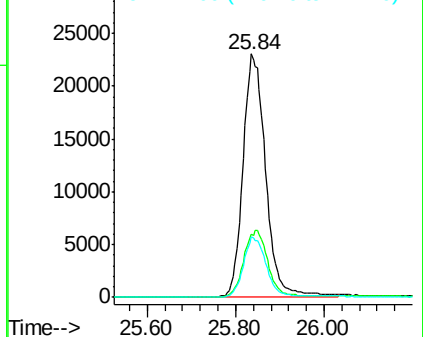
276 100

138 28.7 21.3 31.9

277 24.8 19.7 29.5



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# 3316

Delta R.T. -0.02 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

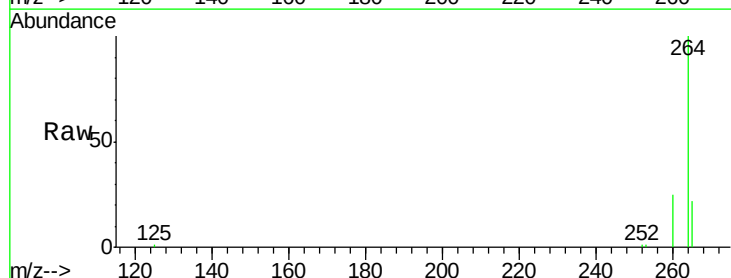
Tgt Ion:264 Resp: 101456

Ion Ratio Lower Upper

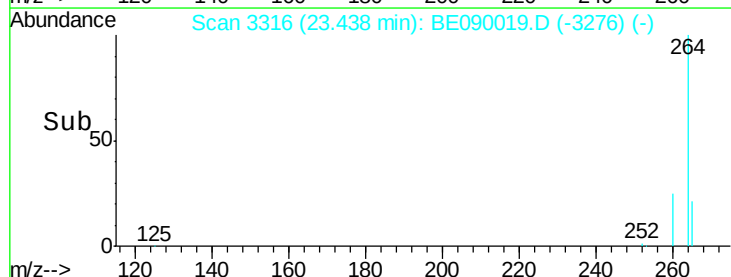
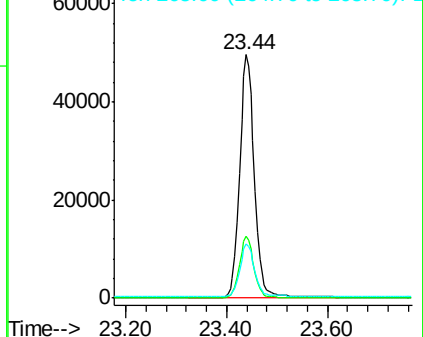
264 100

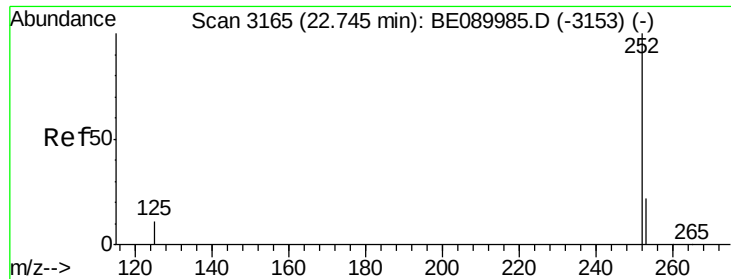
260 25.2 20.2 30.2

265 22.0 17.1 25.7



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: 3.25 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

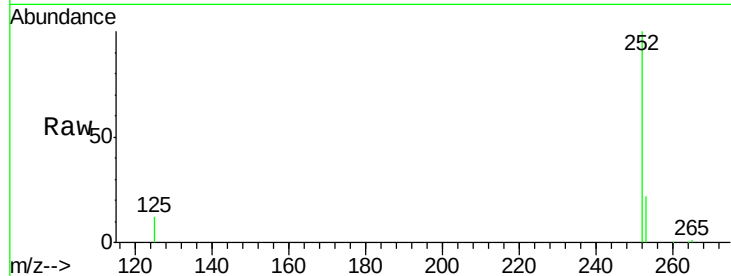
Tgt Ion:252 Resp: 72714

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

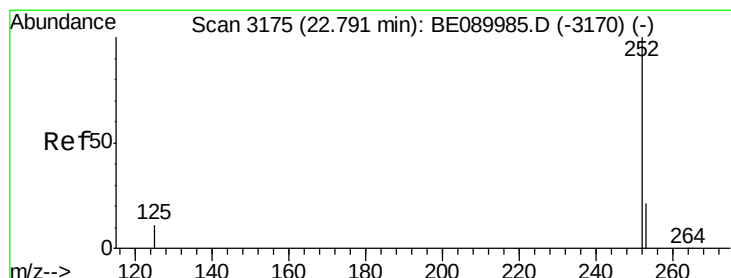
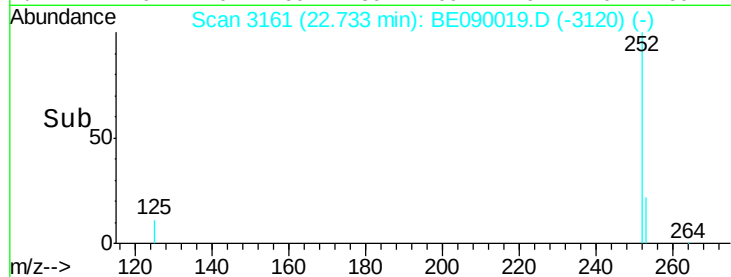
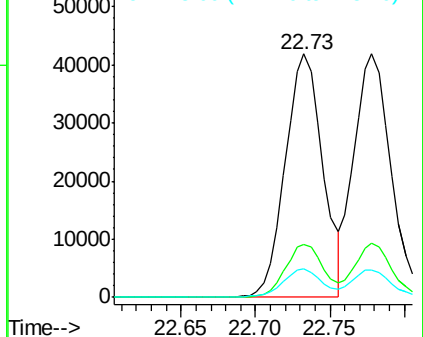
125 11.7 9.0 13.4



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



#34

Benzo(k)fluoranthene

Concen: 2.96 ng

RT: 22.78 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

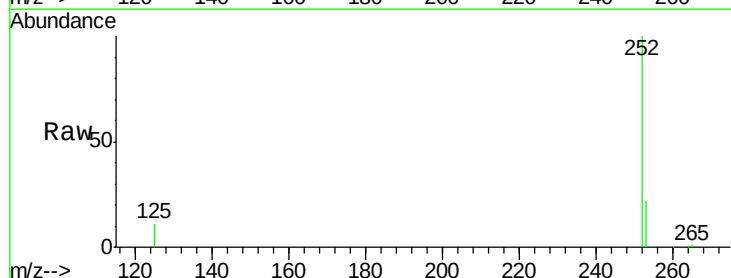
Tgt Ion:252 Resp: 74117

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

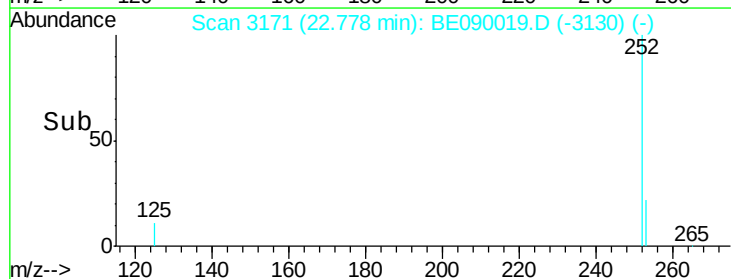
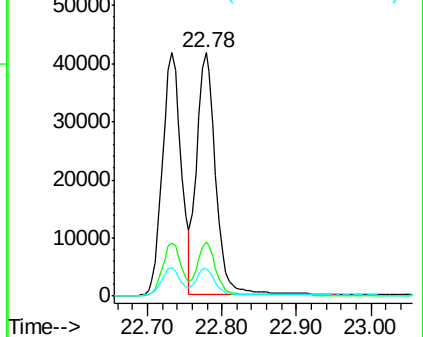
125 11.4 9.5 14.3

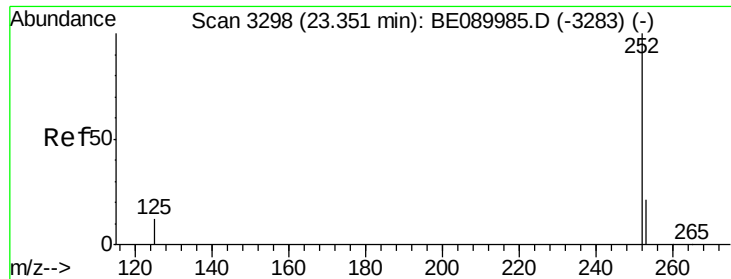


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 3.36 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD

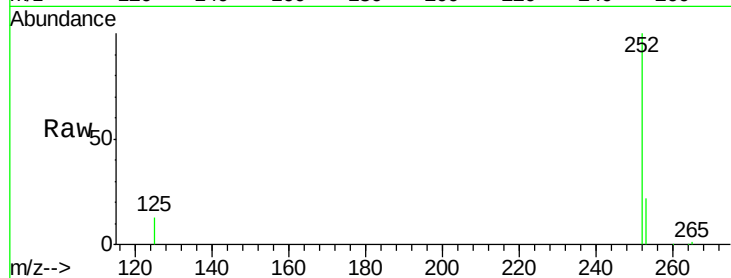
Tgt Ion: 252 Resp: 69369

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

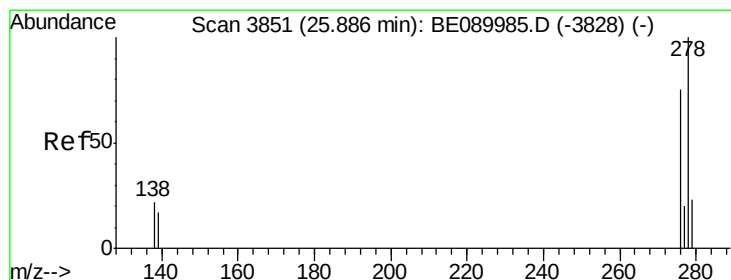
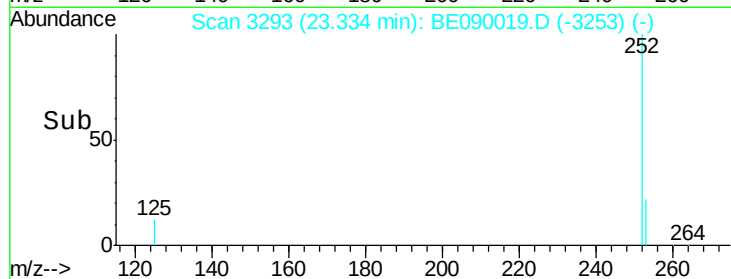
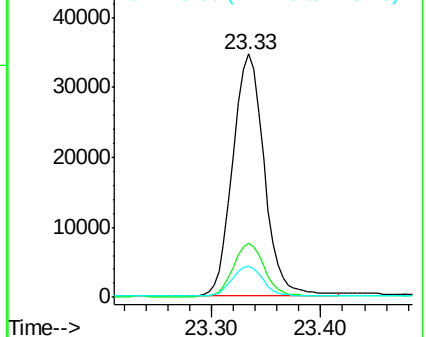
125 12.6 10.5 15.7



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



#36

Dibenzo(a,h)anthracene

Concen: 3.17 ng

RT: 25.86 min Scan# 3845

Delta R.T. -0.02 min

Lab File: BE090019.D

Acq: 30 Jun 2015 20:19

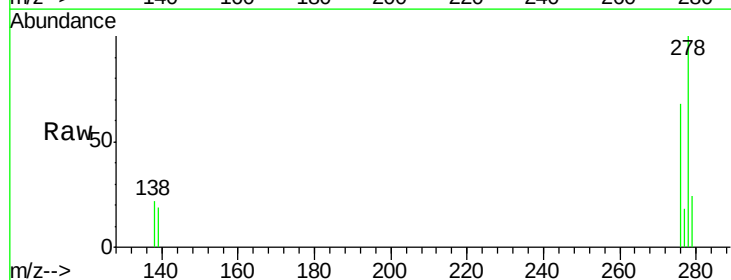
Tgt Ion: 278 Resp: 67271

Ion Ratio Lower Upper

278 100

139 18.9 14.4 21.6

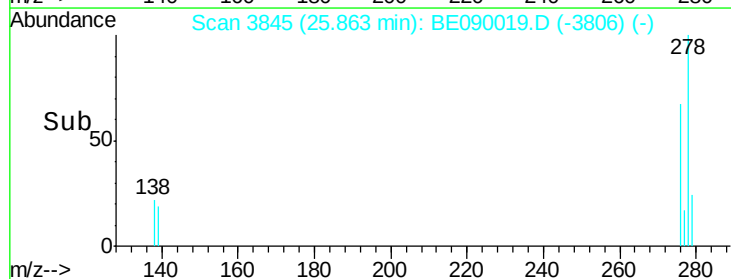
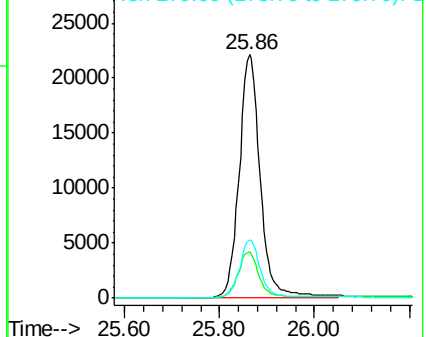
279 24.1 19.0 28.6

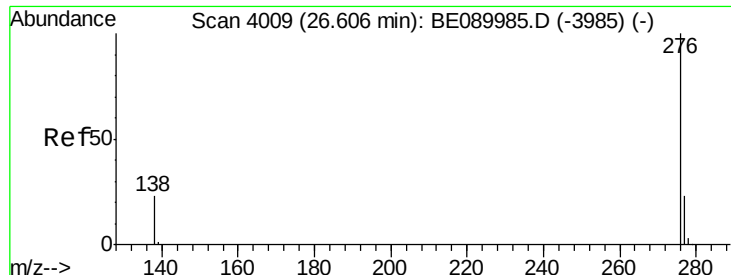


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.18 ng

RT: 26.58 min Scan# 4003

Delta R.T. -0.02 min

Lab File: BE090019.D

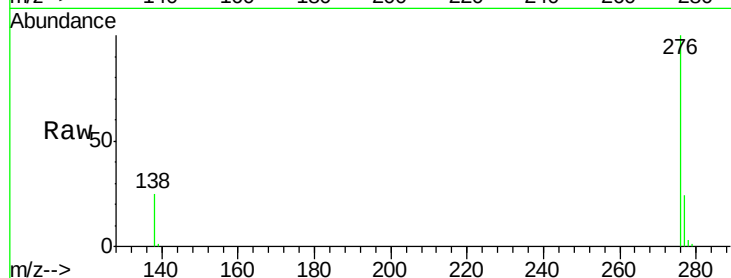
Acq: 30 Jun 2015 20:19

Instrument :

BNA\_E

ClientSampleId :

X1SB0650204-150626MSD



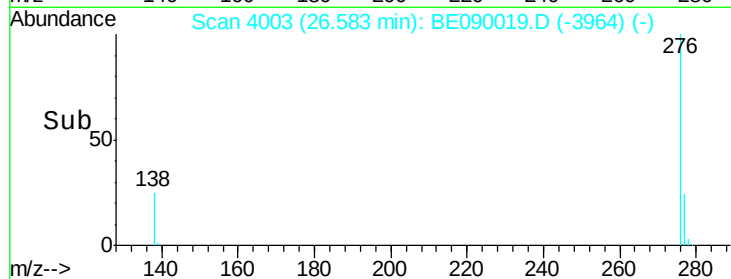
Tgt Ion: 276 Resp: 68409

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 25.0 18.6 27.8



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

