

Data Path : Z:\HPCHEM1\BNA E\Data\BE091216\  
 Data File : BE092376.D  
 Acq On : 12 Sep 2016 17:47  
 Operator : UM/SJ  
 Sample : H4758-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 12 18:48:53 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 19:34:51 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 12088    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.95 | 136  | 56132    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 33465    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.56 | 188  | 81980    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 103030   | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.10 | 264  | 96381    | 5.00 | ng    | 0.01     |

|                             |       |     |       |       |    |       |
|-----------------------------|-------|-----|-------|-------|----|-------|
| System Monitoring Compounds |       |     |       |       |    |       |
| 4) 2-Fluorophenol           | 5.67  | 112 | 26080 | 9.08  | ng | -0.02 |
| 5) Phenol-d6                | 7.34  | 99  | 37080 | 9.67  | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.34  | 82  | 16685 | 4.14  | ng | -0.02 |
| 13) 2,4,6-Tribromophenol    | 16.30 | 330 | 11677 | 11.26 | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 13.43 | 172 | 34580 | 3.37  | ng | -0.01 |
| 26) Terphenyl-d14           | 20.17 | 244 | 51428 | 3.37  | ng | 0.00  |

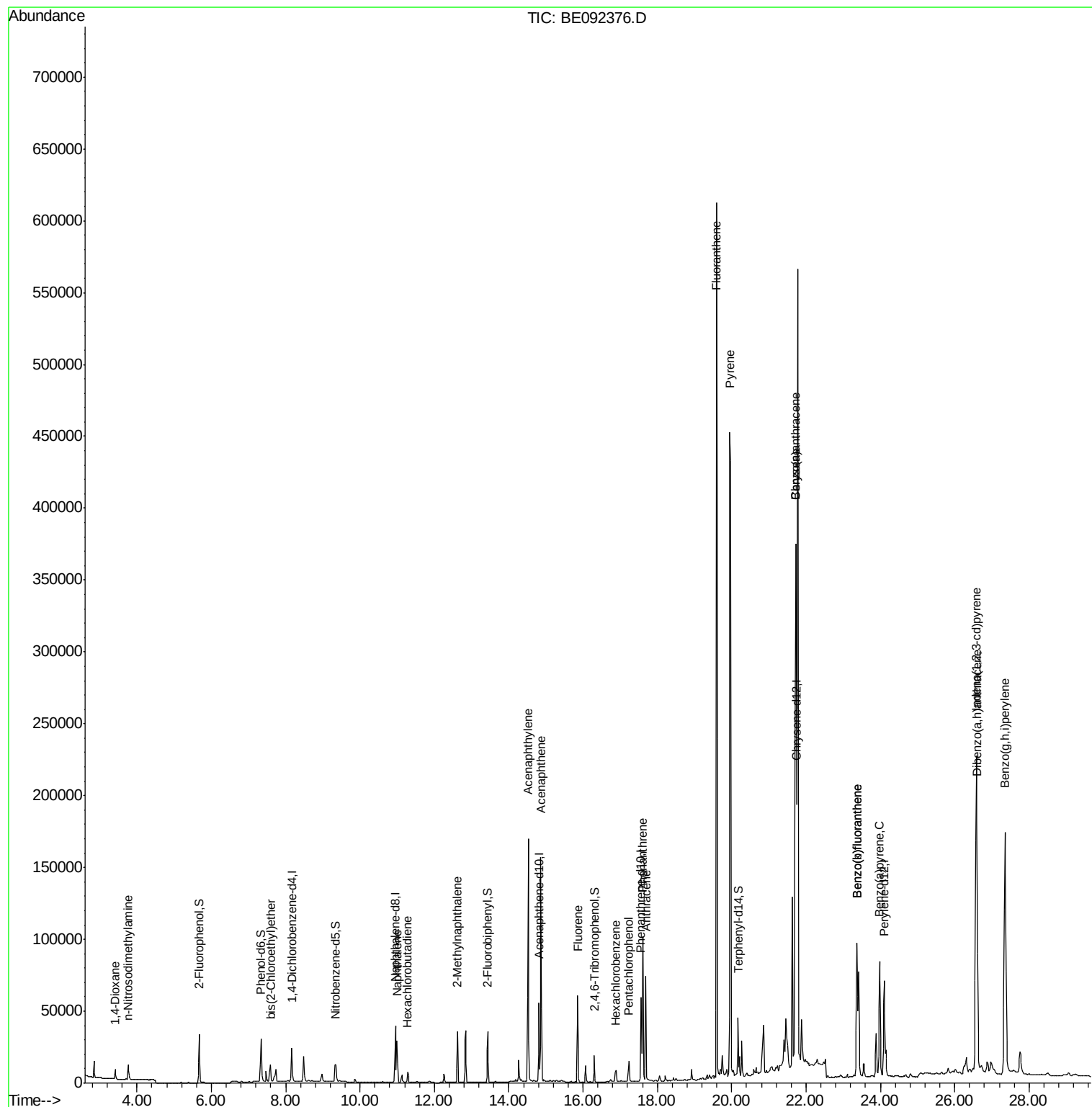
|                                |       |     |        |           |    |        |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| Target Compounds               |       |     |        |           |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 3672   | 2.44      | ng | # 82   |
| 3) n-Nitrosodimethylamine      | 3.76  | 42  | 7426   | 3.88      | ng | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 12115  | 3.32      | ng | # 27   |
| 9) Naphthalene                 | 10.99 | 128 | 42225  | 3.36      | ng | # 95   |
| 10) Hexachlorobutadiene        | 11.28 | 225 | 5915   | 3.02      | ng | 100    |
| 11) 2-Methylnaphthalene        | 12.62 | 142 | 29475  | 3.58      | ng | # 88   |
| 15) Acenaphthylene             | 14.53 | 152 | 227191 | 3.94      | ng | 100    |
| 16) Acenaphthene               | 14.87 | 154 | 29961  | 3.21      | ng | 95     |
| 17) Fluorene                   | 15.86 | 166 | 40802  | 3.49      | ng | 98     |
| 19) Hexachlorobenzene          | 16.89 | 284 | 10723  | 2.73      | ng | # 39   |
| 20) Pentachlorophenol          | 17.23 | 266 | 13367  | 6.60      | ng | # 87   |
| 21) Phenanthrene               | 17.60 | 178 | 114611 | 4.97      | ng | # 95   |
| 22) Anthracene                 | 17.69 | 178 | 87644  | 4.28      | ng | 99     |
| 23) Fluoranthene               | 19.59 | 202 | 740455 | 7.36      | ng | 99     |
| 25) Pyrene                     | 19.95 | 202 | 750873 | 7.49      | ng | 95     |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 592783 | 5.33      | ng | # 79   |
| 28) Chrysene                   | 21.72 | 228 | 591829 | 5.78      | ng | # 62   |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 134001 | Below Cal |    | # 68   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.58 | 276 | 459082 | 3.92      | ng | 98     |
| 32) Benzo(b)fluoranthene       | 23.37 | 252 | 163928 | 6.62      | ng | 98     |
| 33) Benzo(k)fluoranthene       | 23.37 | 252 | 163928 | 6.27      | ng | 98     |
| 34) Benzo(a)pyrene             | 23.98 | 252 | 125949 | 5.17      | ng | 98     |
| 35) Dibenzo(a,h)anthracene     | 26.60 | 278 | 68661  | 3.04      | ng | 95     |
| 36) Benzo(g,h,i)perylene       | 27.35 | 276 | 410183 | 4.31      | ng | 99     |

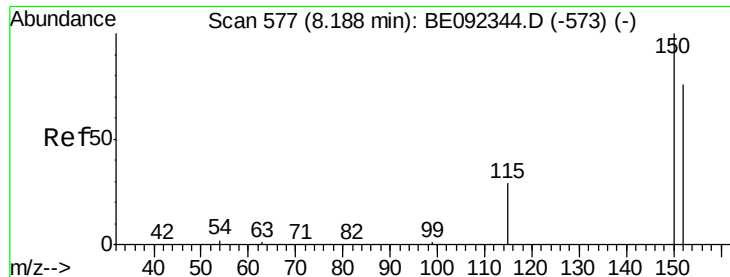
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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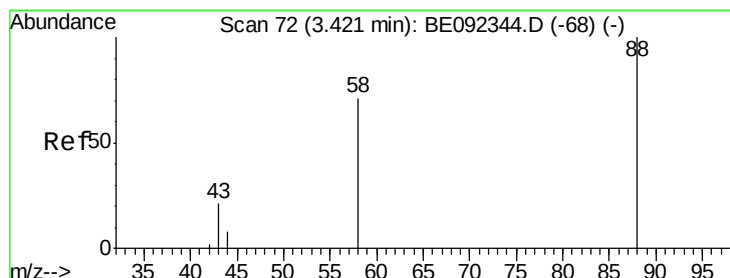
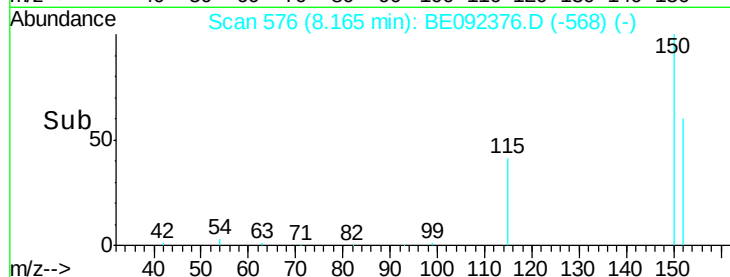
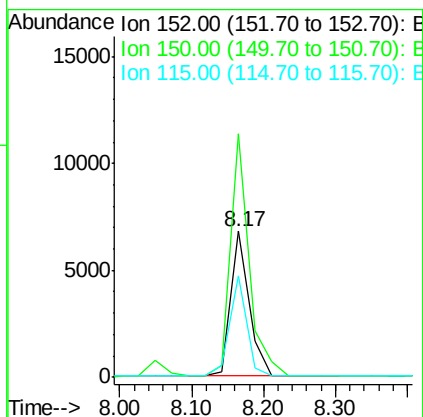
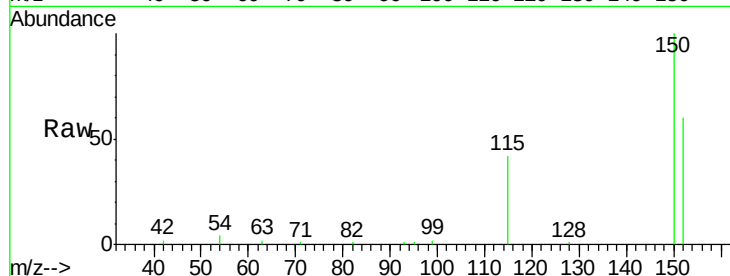


#1

1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 8.17 min Scan# 576  
Delta R.T. -0.02 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Instrument :  
BNA\_E  
ClientSampleId :

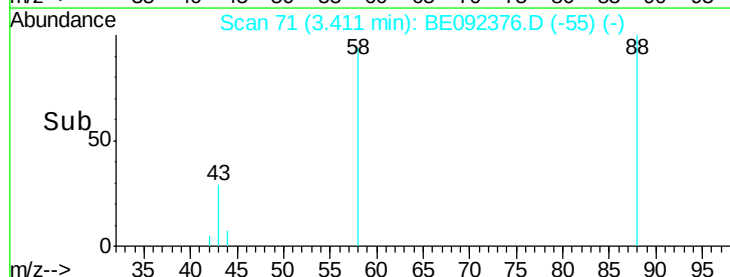
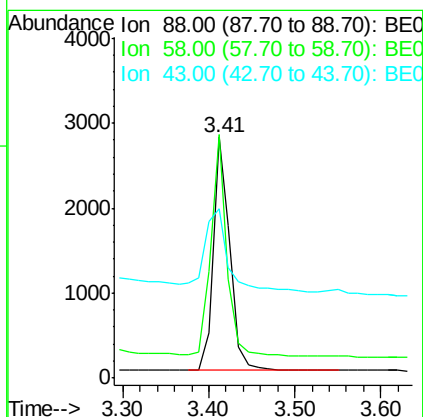
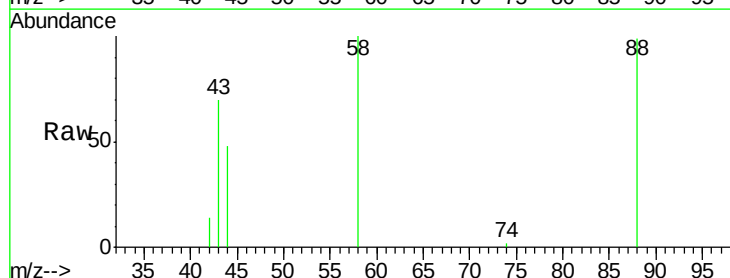
Tot Ion:152 Resp: 12088  
Ion Ratio Lower Upper  
152 100  
150 166.6 106.0 159.0#  
115 69.6 31.2 46.8#

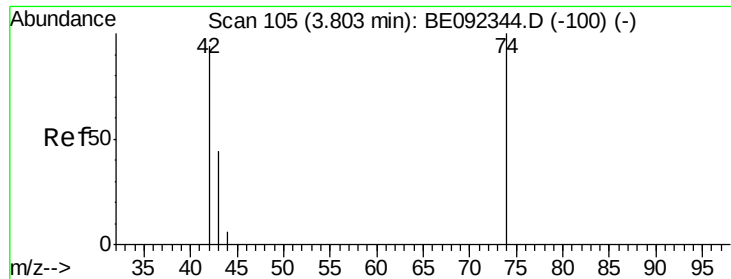


#2

1,4-Dioxane  
Concen: 2.44 ng  
RT: 3.41 min Scan# 71  
Delta R.T. -0.01 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Tgt Ion: 88 Resp: 3672  
Ion Ratio Lower Upper  
88 100  
58 91.2 63.6 95.4  
43 52.4 28.0 42.0#



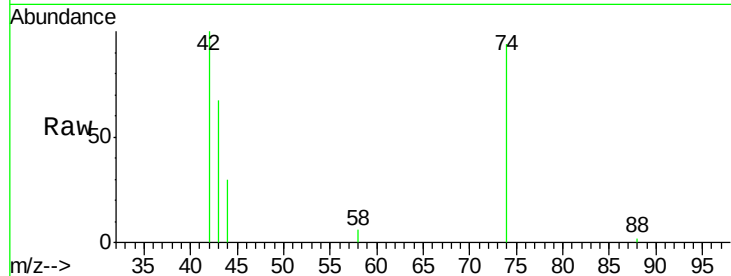


#3

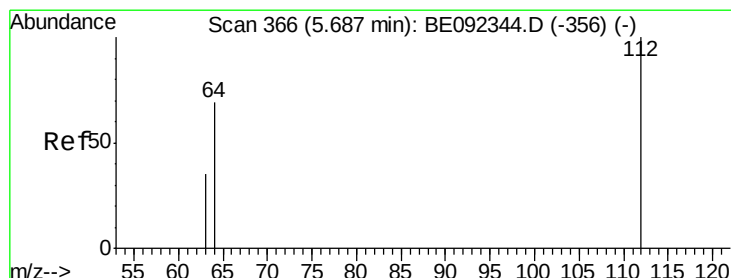
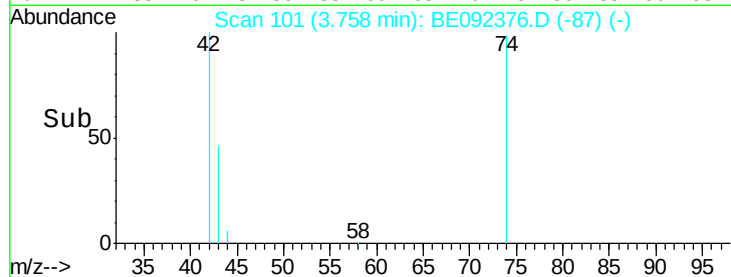
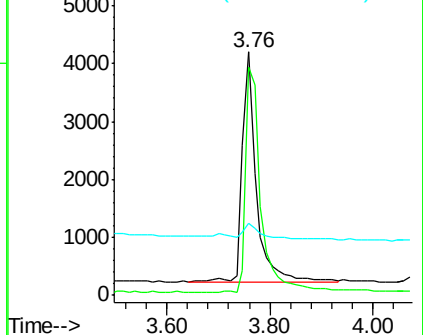
n-Nitrosodimethylamine  
 Concen: 3.88 ng  
 RT: 3.76 min Scan# 101  
 Delta R.T. -0.04 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion: 42 Resp: 7426  
 Ion Ratio Lower Upper  
 42 100  
 74 107.4 86.0 129.0  
 44 7.8 5.1 7.7#



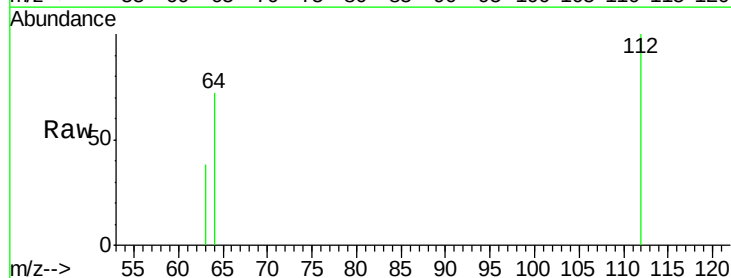
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



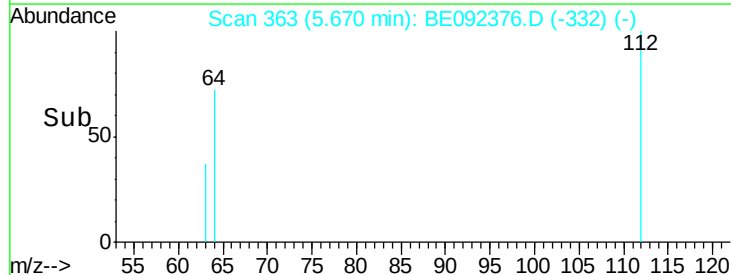
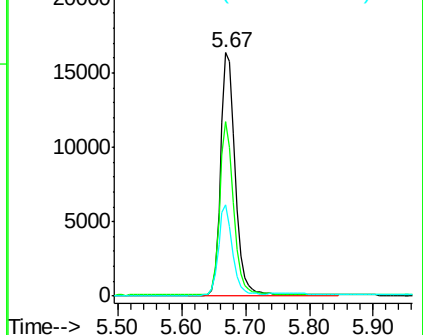
#4

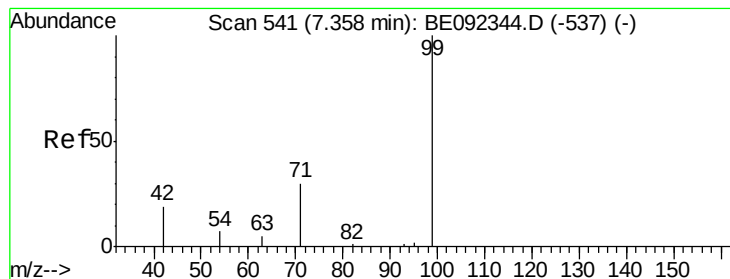
2-Fluorophenol  
 Concen: 9.08 ng  
 RT: 5.67 min Scan# 363  
 Delta R.T. -0.02 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

Tgt Ion: 112 Resp: 26080  
 Ion Ratio Lower Upper  
 112 100  
 64 69.4 53.5 80.3  
 63 36.0 27.9 41.9



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: 9.67 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

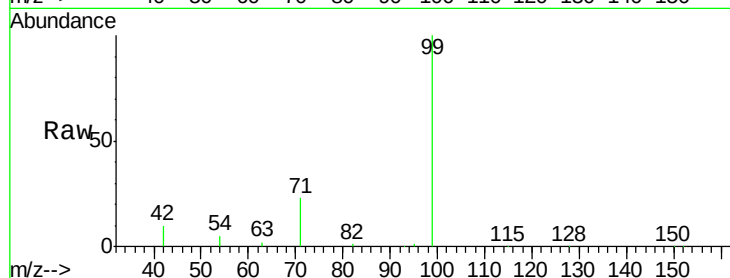
Tot Ion: 99 Resp: 37080

Ion Ratio Lower Upper

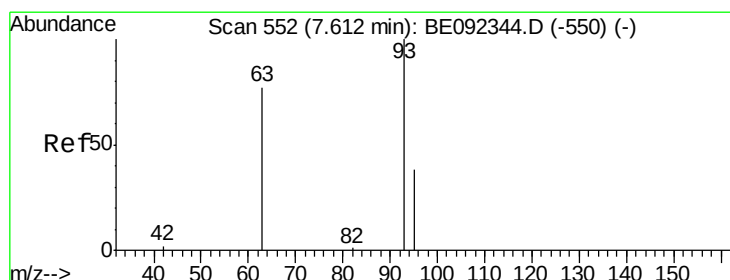
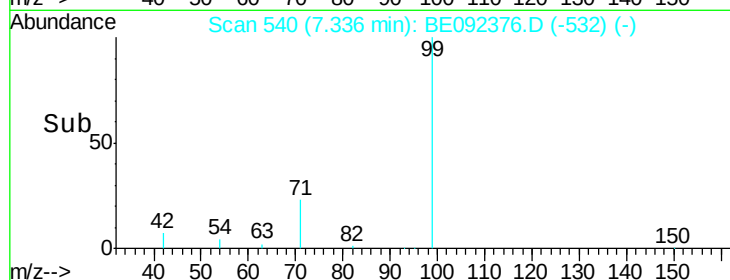
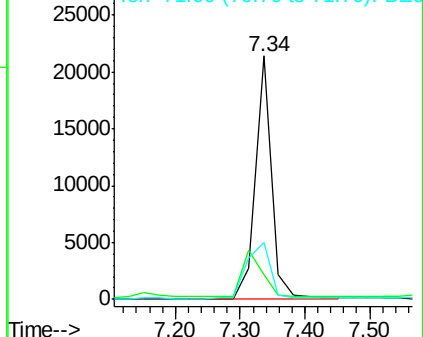
99 100

42 0.0 16.0 24.0#

71 33.9 30.6 45.8



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

bis(2-Chloroethyl)ether

Concen: 3.32 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

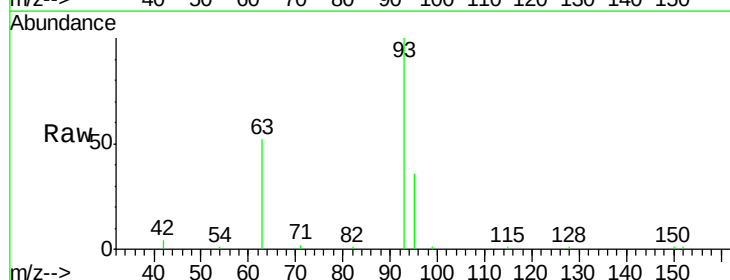
Tgt Ion: 93 Resp: 12115

Ion Ratio Lower Upper

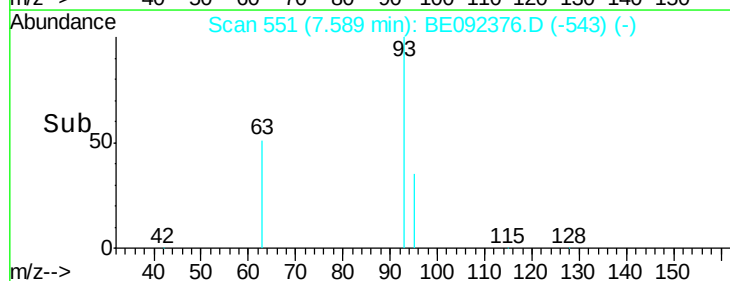
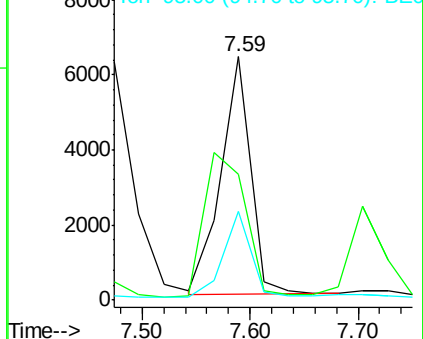
93 100

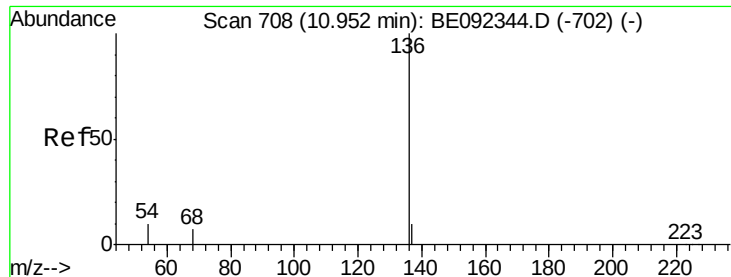
63 0.0 71.6 107.4#

95 32.8 24.0 36.0



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092376.D

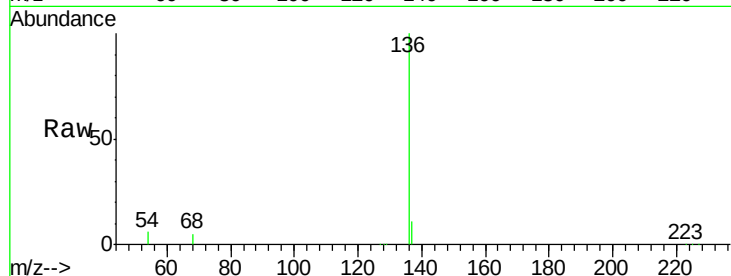
Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 56132     |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.4  | 8.2 12.4  |
| 54          | 6.0   | 9.6 14.4# |
| 68          | 5.0   | 6.7 10.1# |

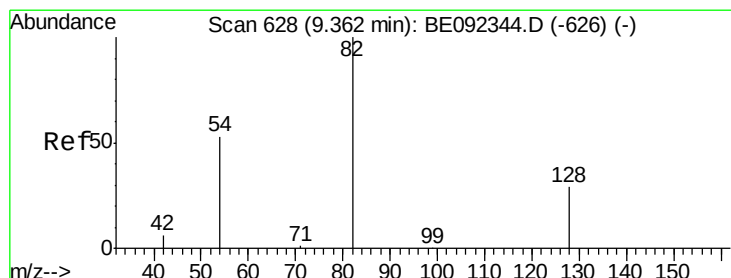
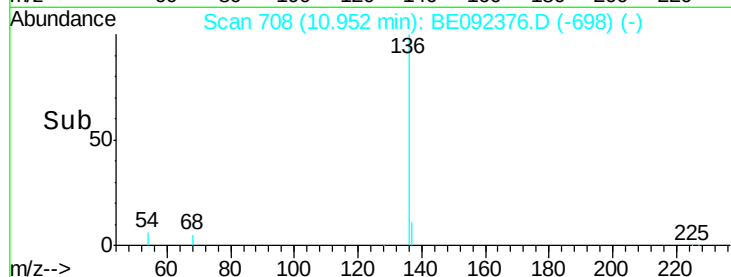
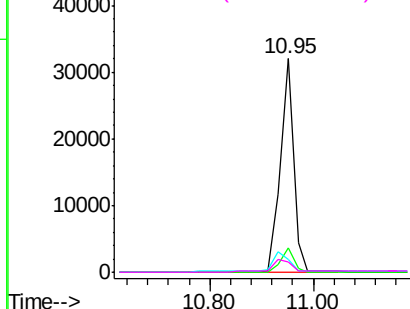


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.14 ng

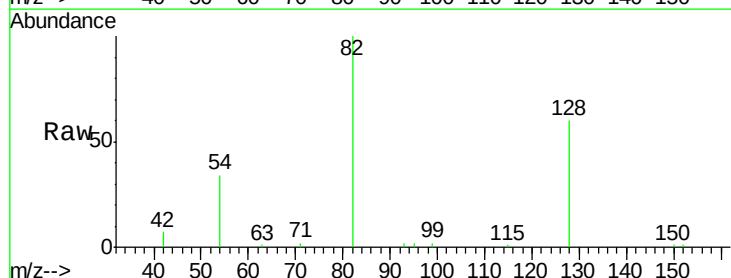
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

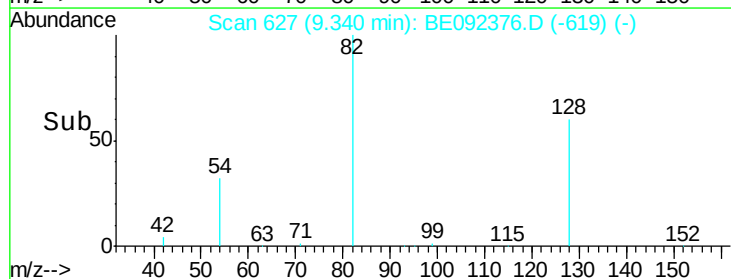
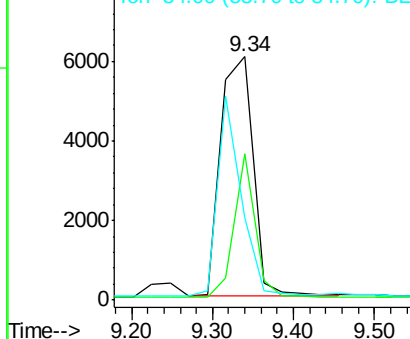
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 16685      |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 60.3  | 39.0 58.4# |
| 54          | 33.7  | 44.8 67.2# |

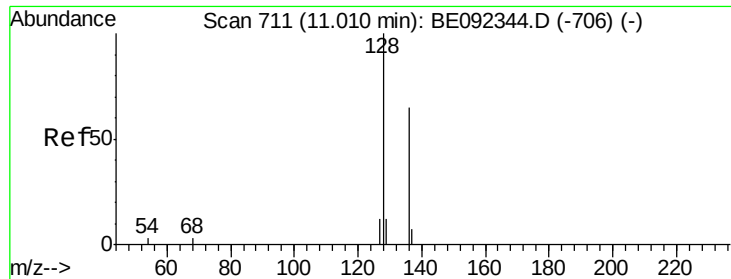


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.36 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

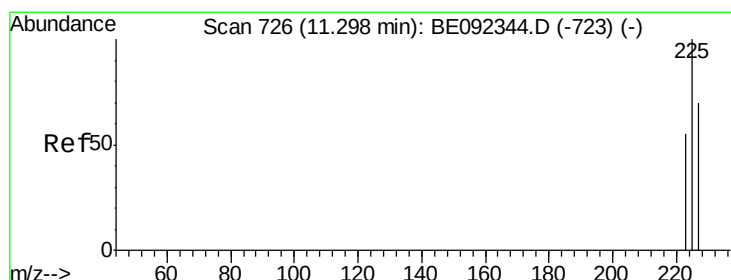
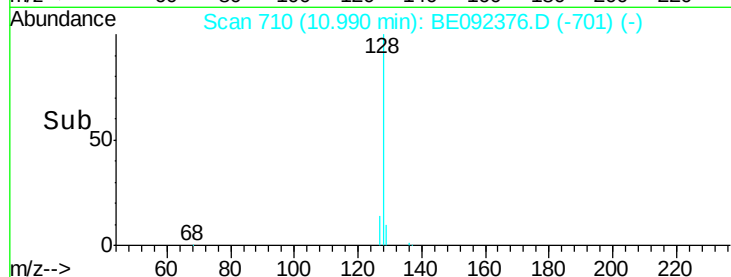
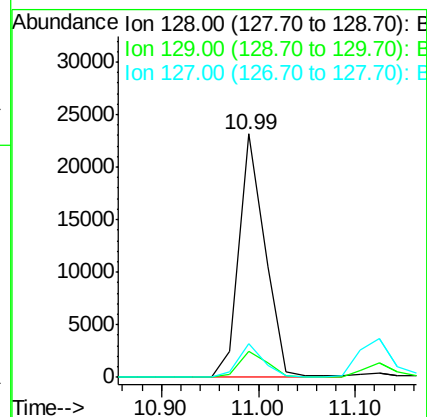
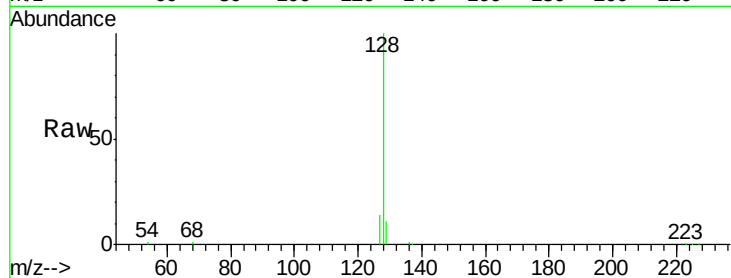
Tot Ion:128 Resp: 42225

Ion Ratio Lower Upper

128 100

129 10.7 11.2 16.8#

127 13.9 11.6 17.4



#10

Hexachlorobutadiene

Concen: 3.02 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

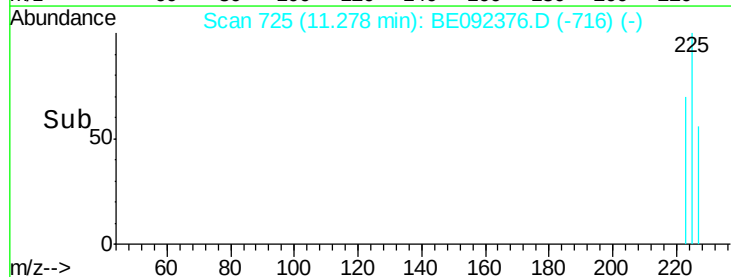
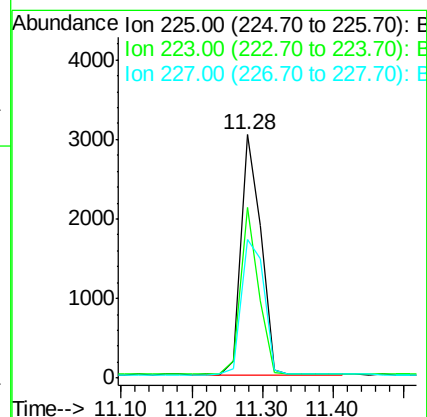
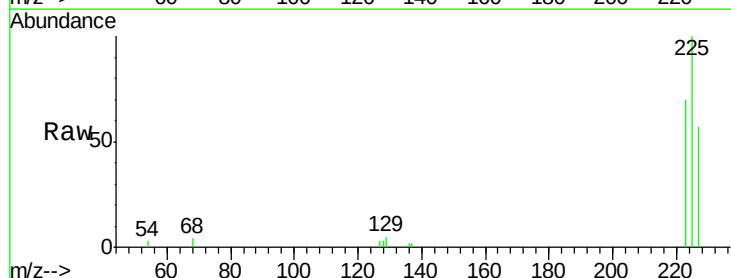
Tgt Ion:225 Resp: 5915

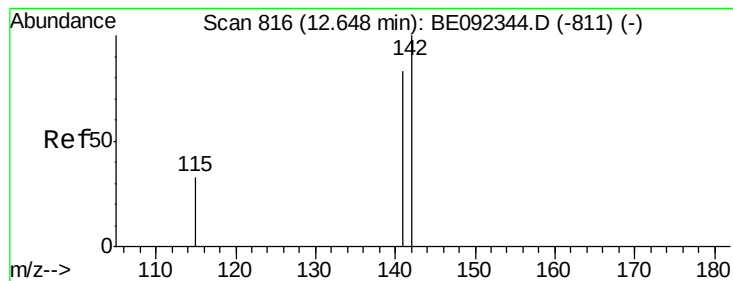
Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 64.1 51.4 77.0





#11

2-Methylnaphthalene

Concen: 3.58 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

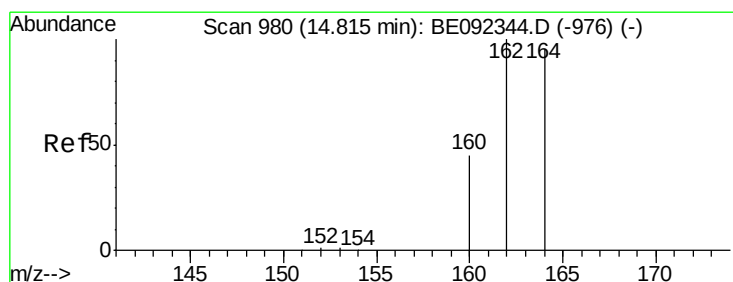
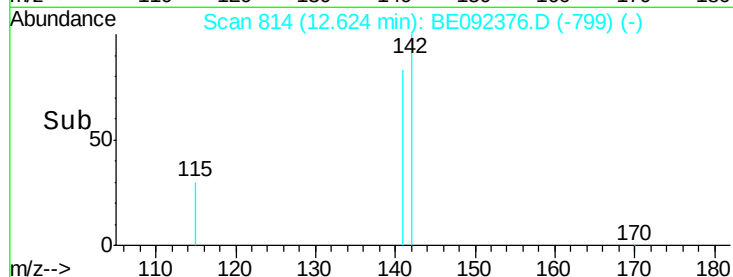
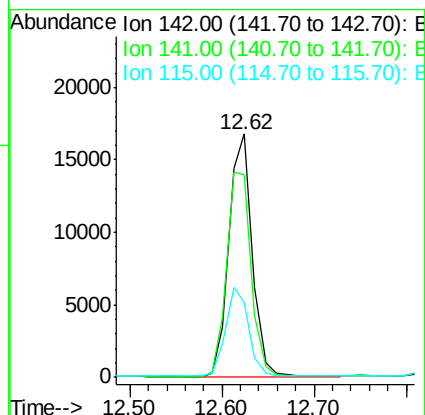
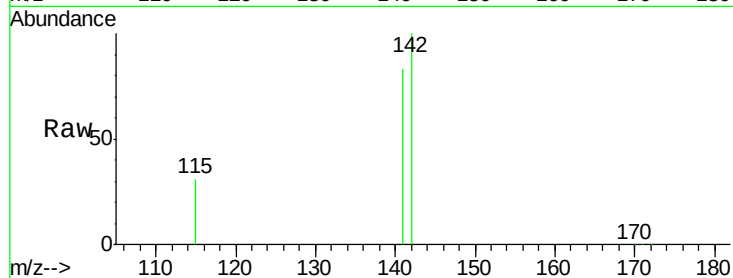
Tot Ion:142 Resp: 29475

Ion Ratio Lower Upper

142 100

141 83.0 73.7 110.5

115 30.9 34.0 51.0#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

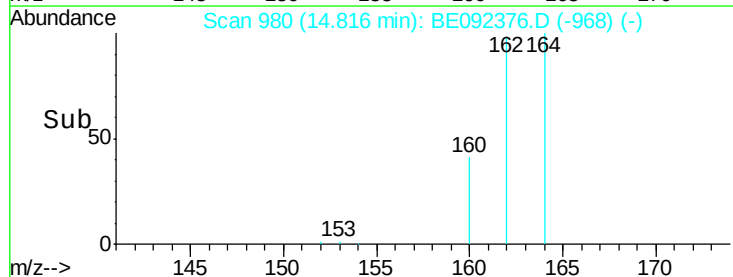
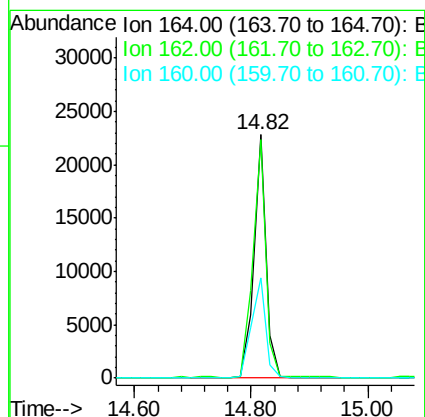
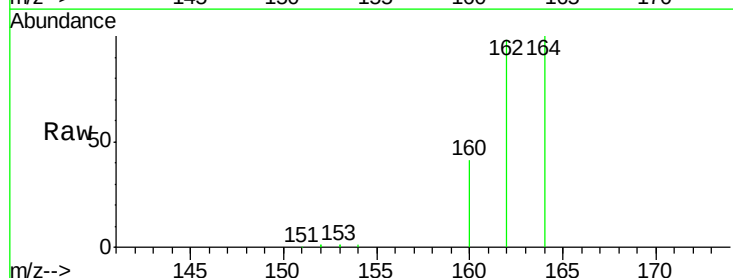
Tgt Ion:164 Resp: 33465

Ion Ratio Lower Upper

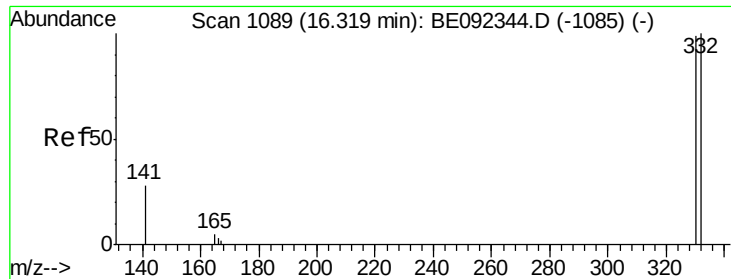
164 100

162 97.9 71.4 107.0

160 41.0 27.4 41.2



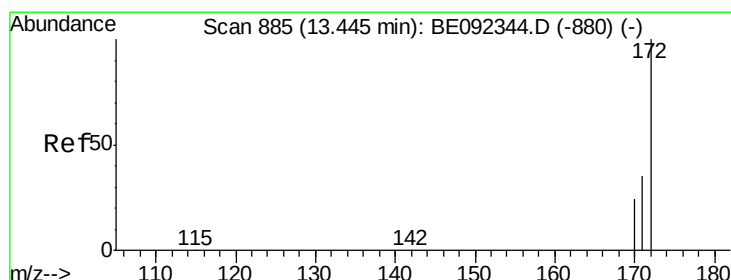
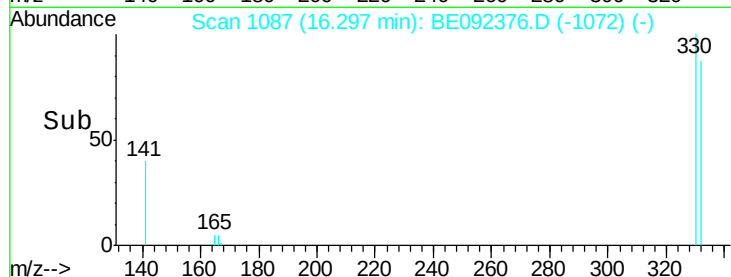
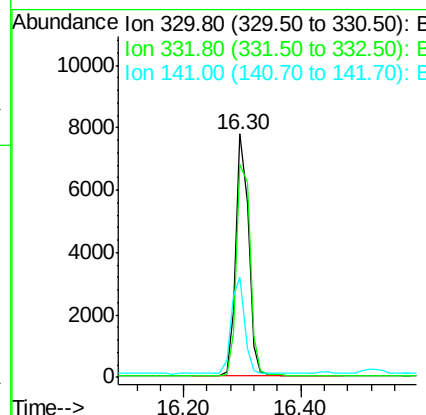
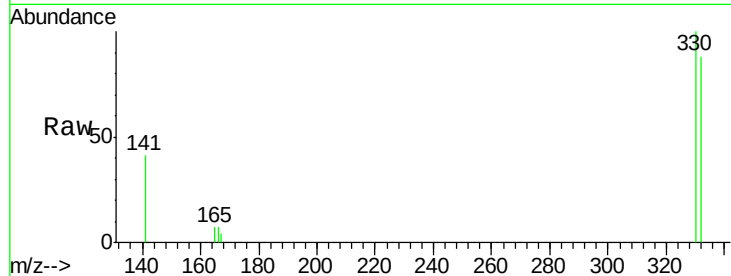




#13  
 2,4,6-Tribromophenol  
 Concen: 11.26 ng  
 RT: 16.30 min Scan# 1087  
 Delta R.T. -0.02 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

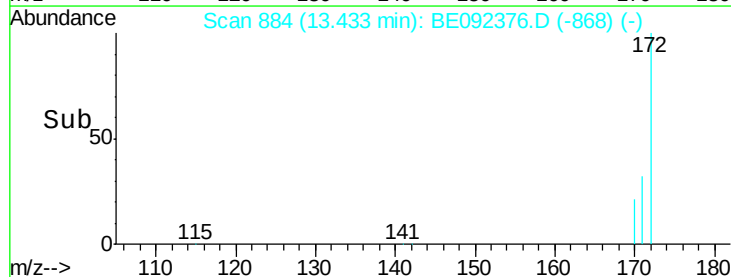
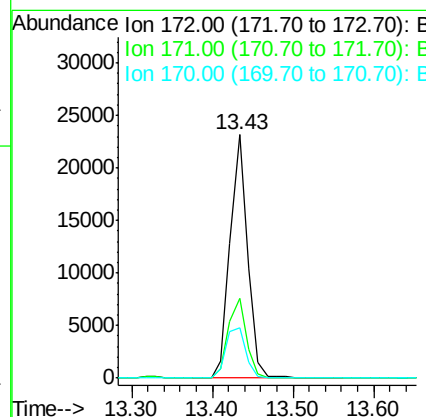
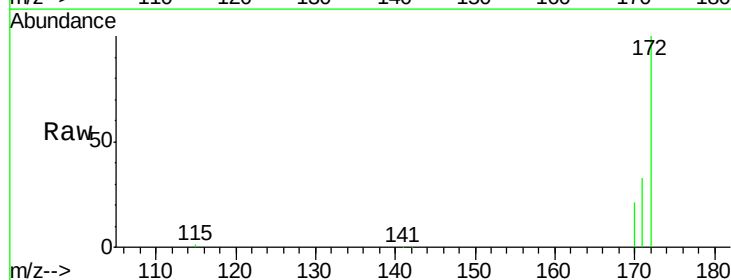
Instrument :  
 BNA\_E  
 ClientSampleId :

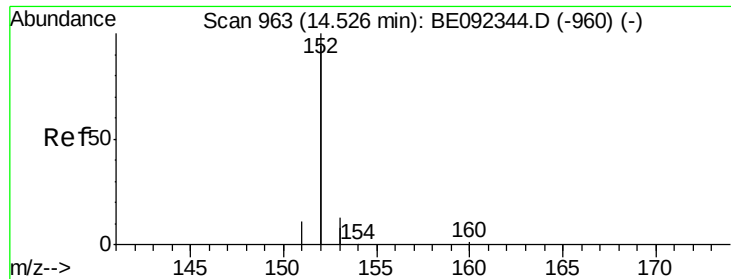
Tot Ion:330 Resp: 11677  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 75.4 113.0  
 141 41.7 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.37 ng  
 RT: 13.43 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

Tgt Ion:172 Resp: 34580  
 Ion Ratio Lower Upper  
 172 100  
 171 32.7 30.1 45.1  
 170 20.9 21.8 32.6#





#15

Acenaphthylene

Concen: 3.94 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

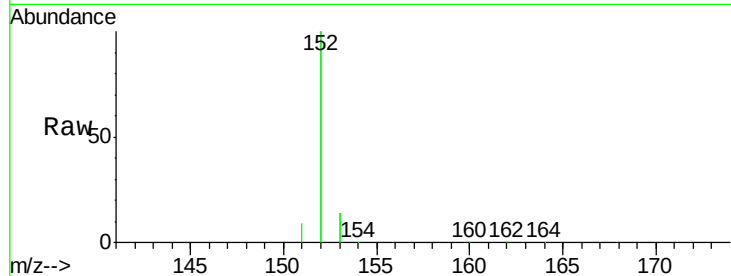
Tot Ion:152 Resp: 227191

Ion Ratio Lower Upper

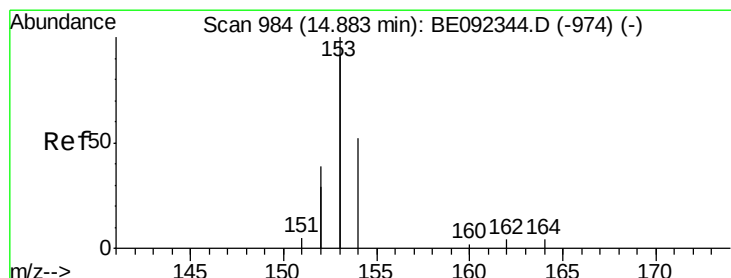
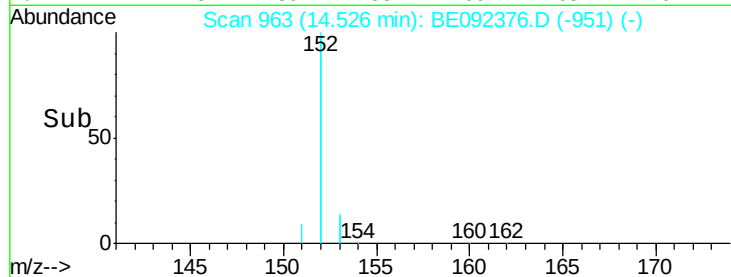
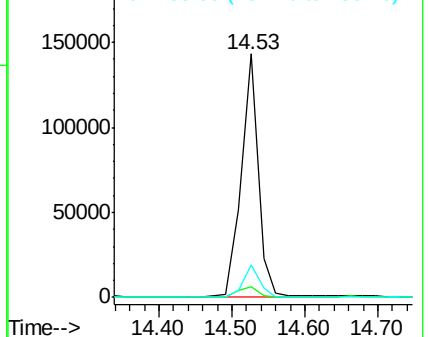
152 100

151 5.0 3.9 5.9

153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 3.21 ng

RT: 14.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

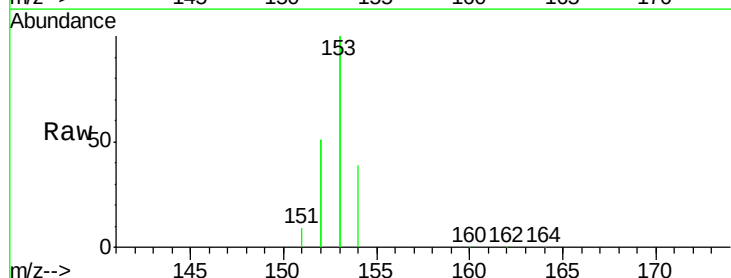
Tgt Ion:154 Resp: 29961

Ion Ratio Lower Upper

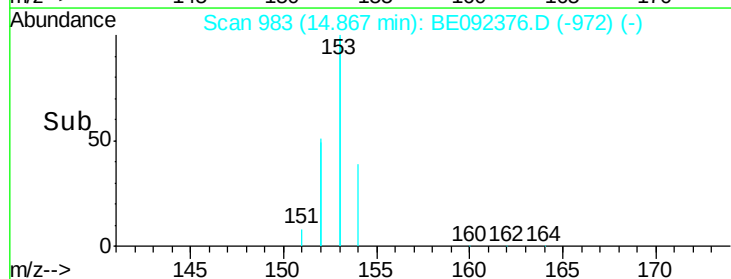
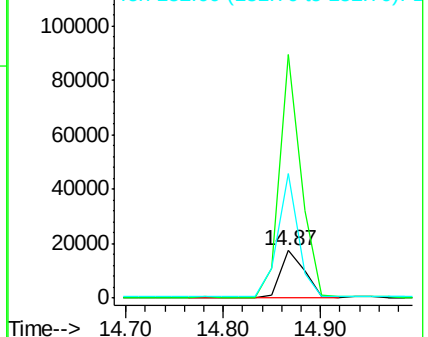
154 100

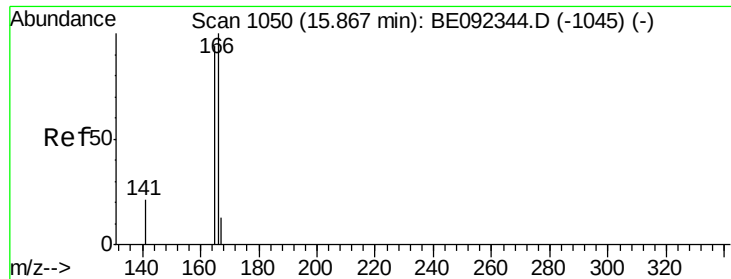
153 454.1 350.8 526.2

152 220.2 171.1 256.7



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

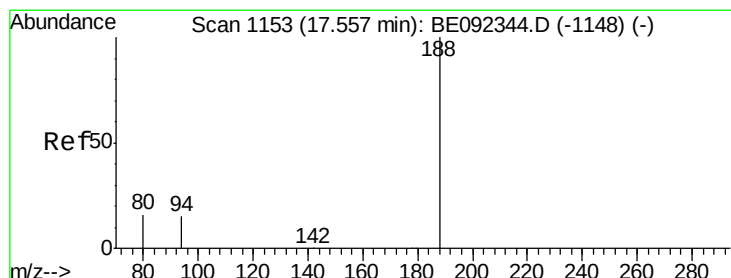
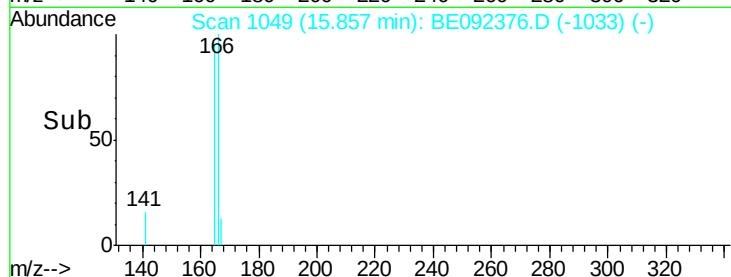
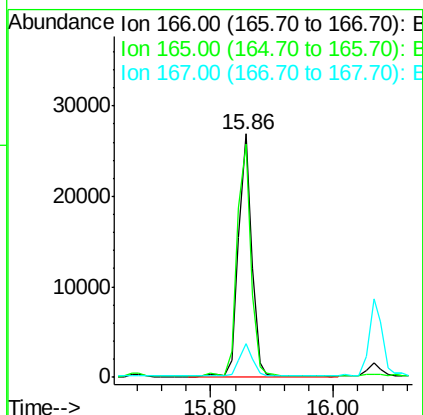
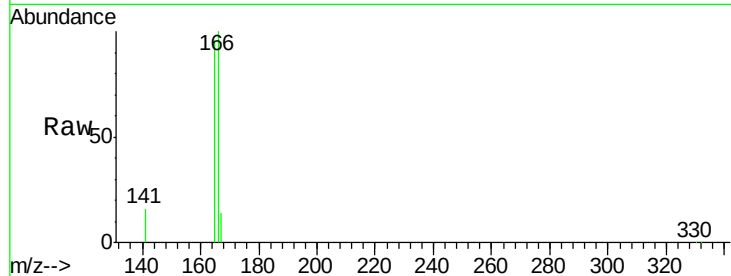




#17  
 Fluorene  
 Concen: 3.49 ng  
 RT: 15.86 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

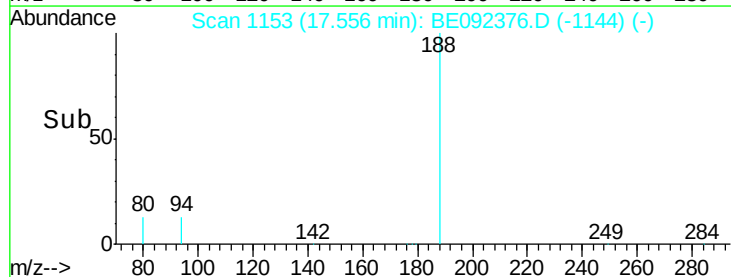
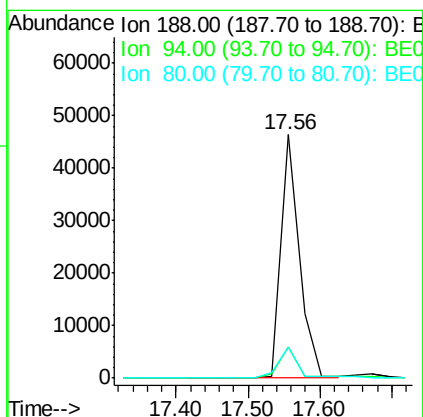
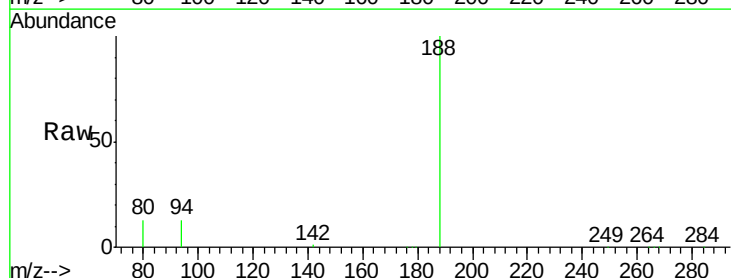
Instrument :  
 BNA\_E  
 ClientSampleId :

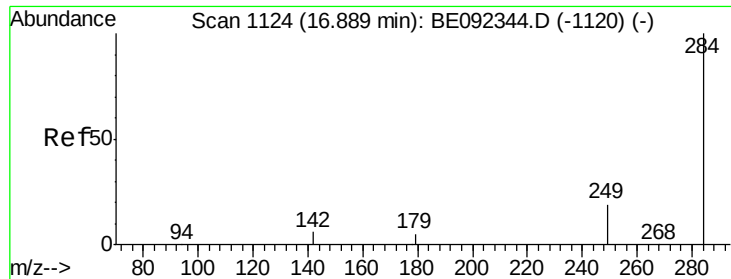
Tot Ion:166 Resp: 40802  
 Ion Ratio Lower Upper  
 166 100  
 165 99.6 78.2 117.4  
 167 13.3 11.0 16.4



#18  
 Phenanthrene-d10  
 Concen: 5.00 ng  
 RT: 17.56 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

Tgt Ion:188 Resp: 81980  
 Ion Ratio Lower Upper  
 188 100  
 94 13.0 3.2 4.8#  
 80 13.0 2.6 3.8#

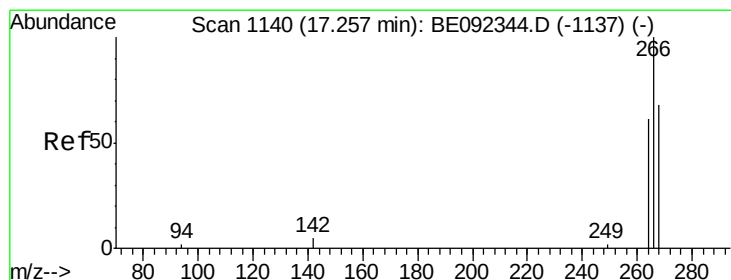
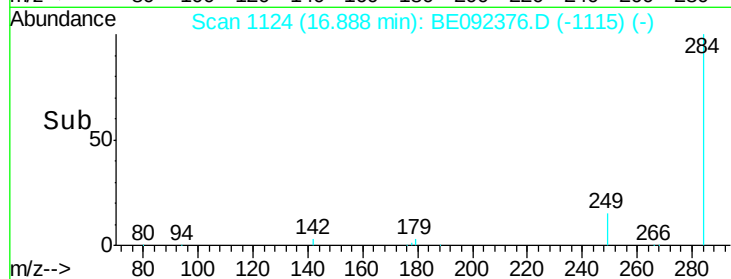
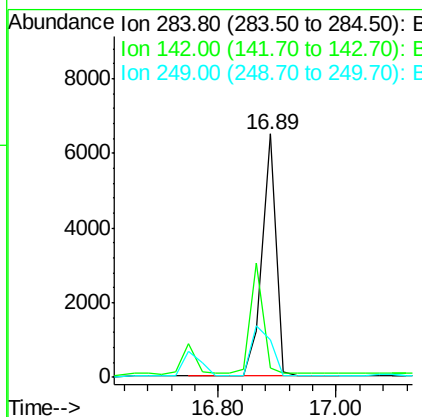
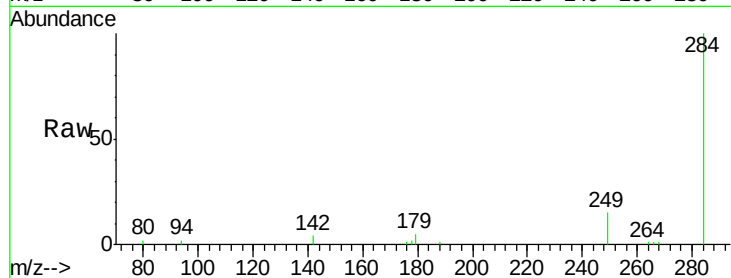




#19  
Hexachlorobenzene  
Concen: 2.73 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. -0.00 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

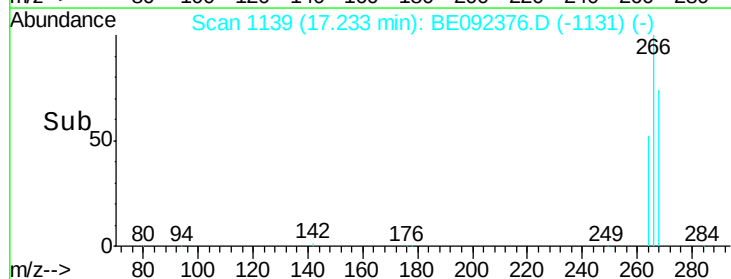
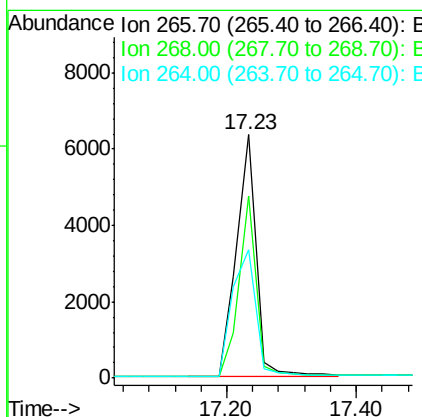
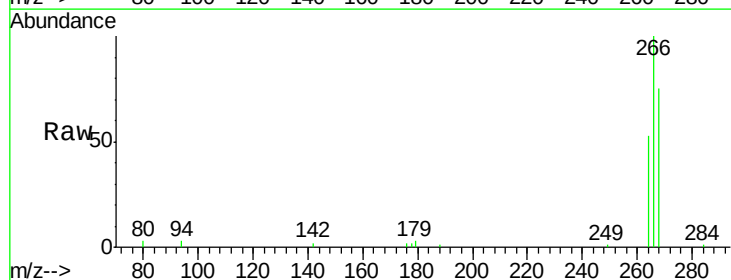
Instrument :  
BNA\_E  
ClientSampleId :

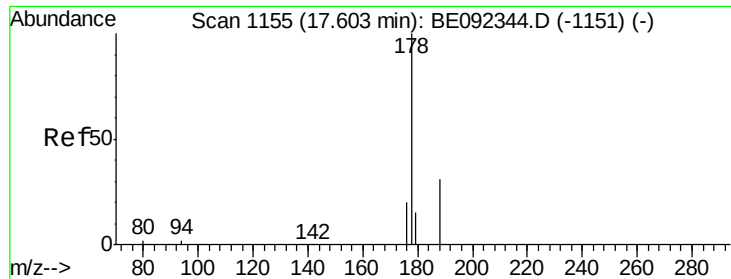
Tot Ion:284 Resp: 10723  
Ion Ratio Lower Upper  
284 100  
142 0.0 29.1 43.7#  
249 0.0 27.9 41.9#



#20  
Pentachlorophenol  
Concen: 6.60 ng  
RT: 17.23 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Tgt Ion:266 Resp: 13367  
Ion Ratio Lower Upper  
266 100  
268 74.6 62.5 93.7  
264 52.6 57.2 85.8#





#21

Phenanthrene

Concen: 4.97 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

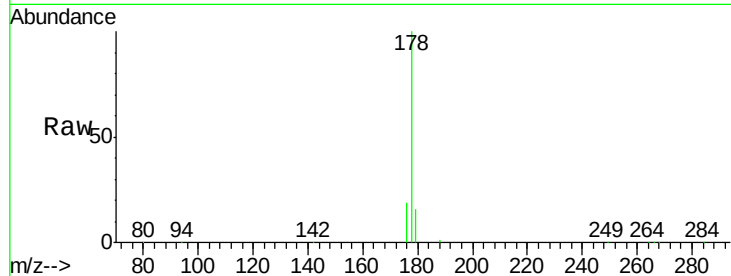
Tot Ion:178 Resp: 114611

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

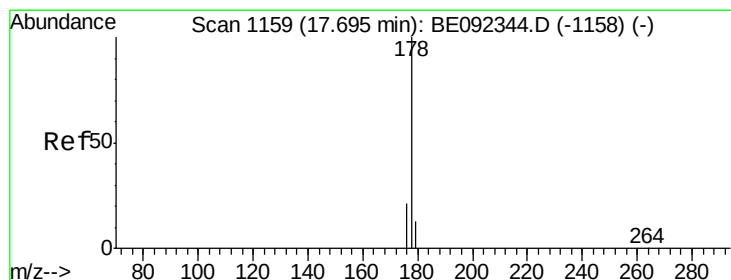
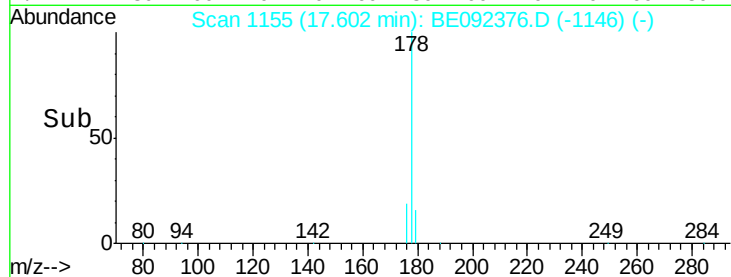
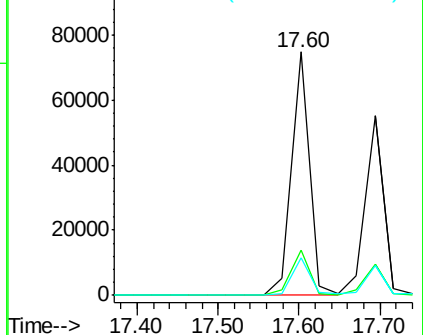
179 15.7 16.0 24.0#



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



#22

Anthracene

Concen: 4.28 ng

RT: 17.69 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

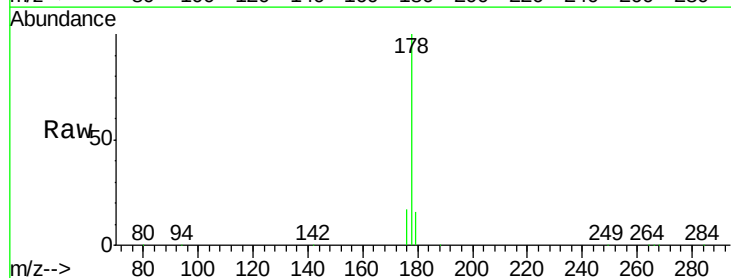
Tgt Ion:178 Resp: 87644

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

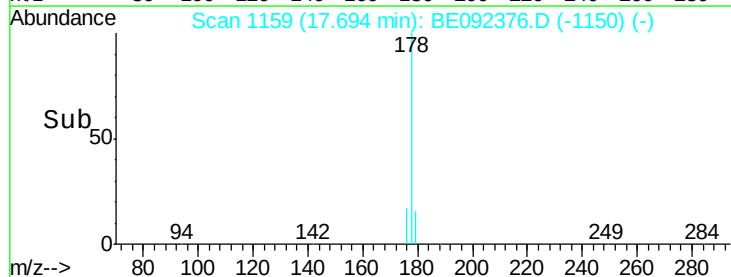
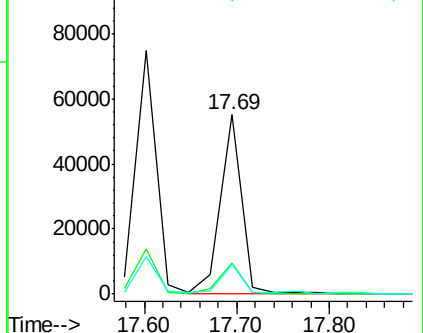
179 15.3 12.2 18.2

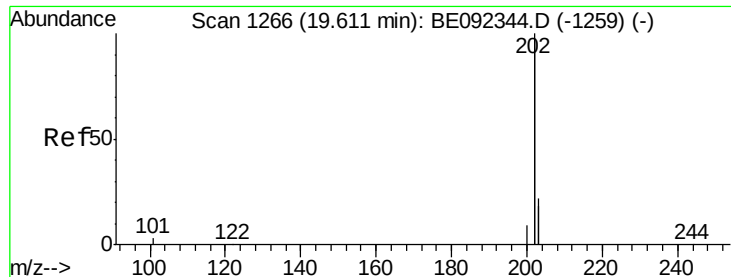


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 7.36 ng

RT: 19.59 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

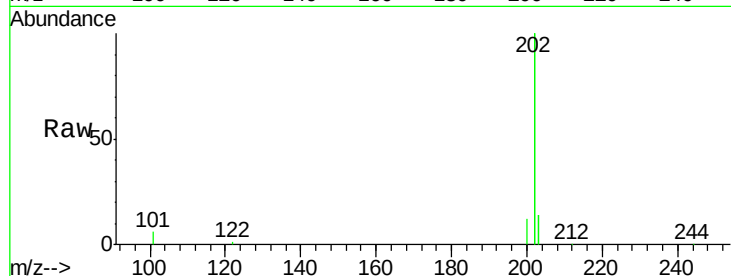
Tot Ion:202 Resp: 740455

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

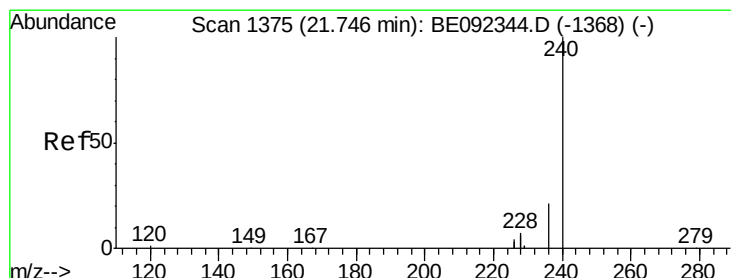
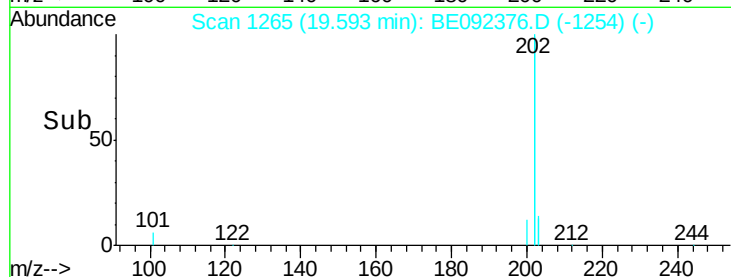
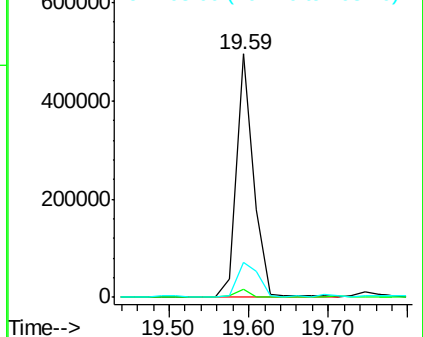
203 17.3 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

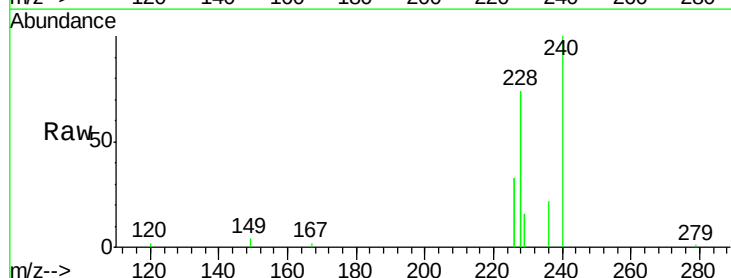
Tgt Ion:240 Resp: 103030

Ion Ratio Lower Upper

240 100

120 1.9 2.6 4.0#

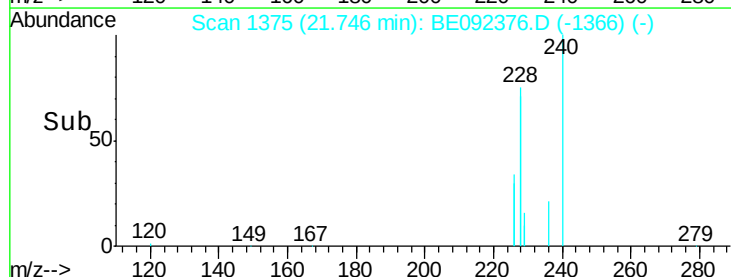
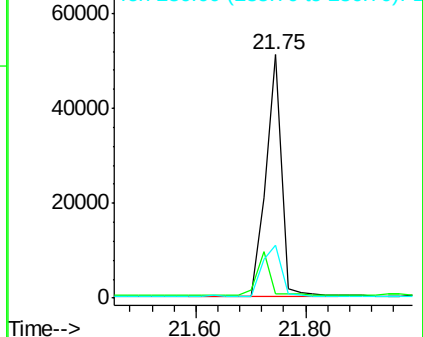
236 21.8 24.6 37.0#

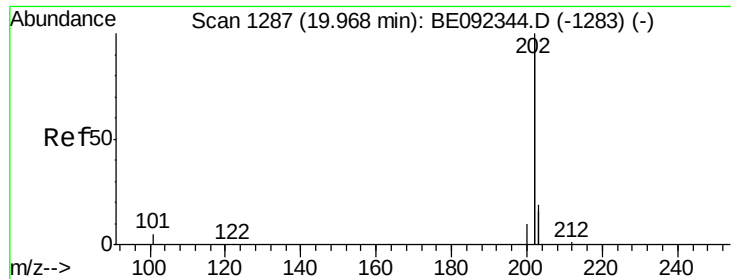


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

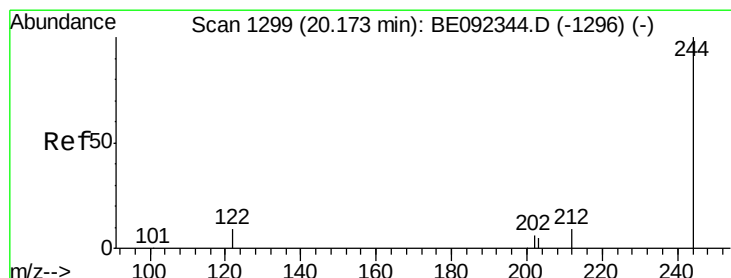
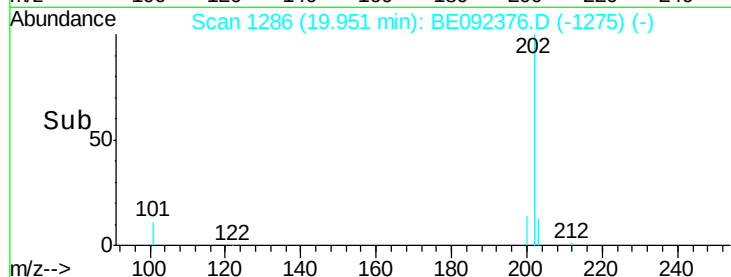
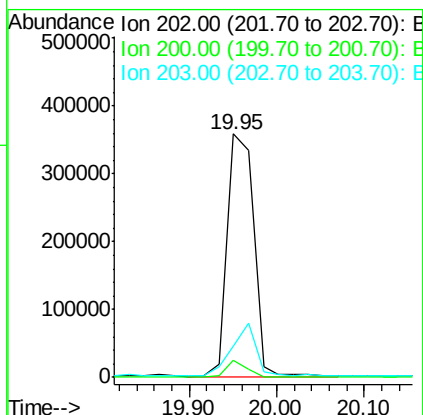
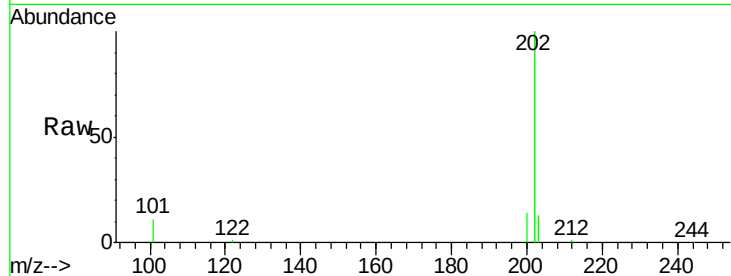




#25  
Pvrene  
Concen: 7.49 ng  
RT: 19.95 min Scan# 1286  
Delta R.T. -0.02 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

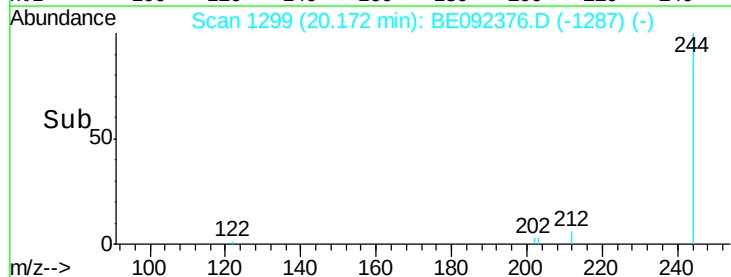
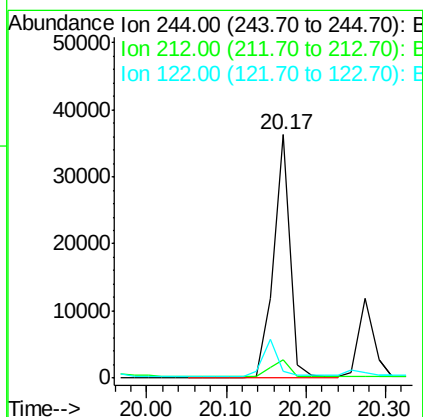
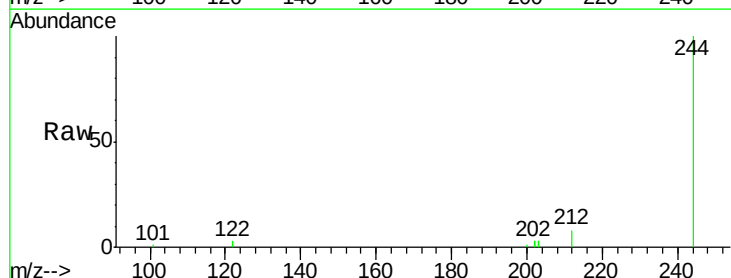
Instrument :  
BNA\_E  
ClientSampled :

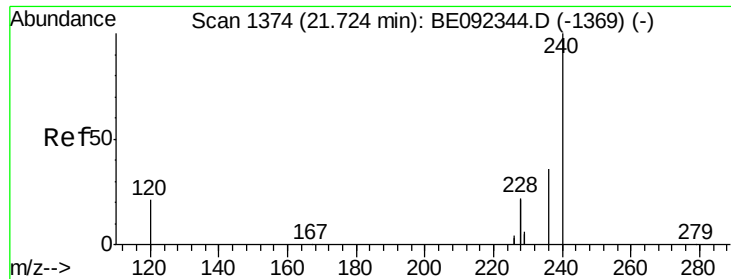
Tot Ion:202 Resp: 750873  
Ion Ratio Lower Upper  
202 100  
200 5.5 4.2 6.4  
203 20.4 13.9 20.9



#26  
Terphenyl-d14  
Concen: 3.37 ng  
RT: 20.17 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Tgt Ion:244 Resp: 51428  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.7 10.1  
122 2.7 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 5.33 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

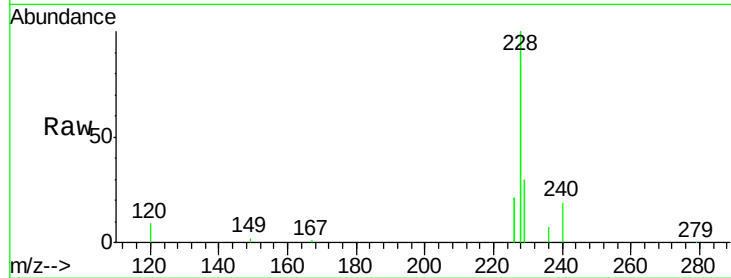
Tot Ion:228 Resp: 592783

Ion Ratio Lower Upper

228 100

226 21.0 23.6 35.4#

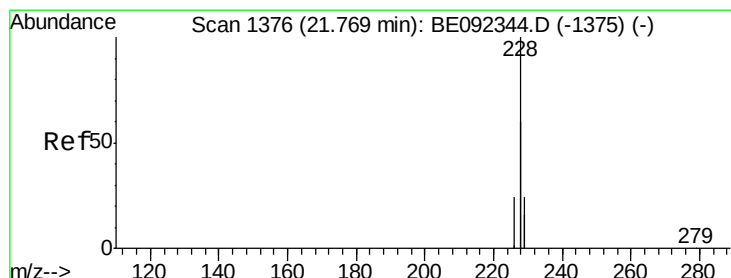
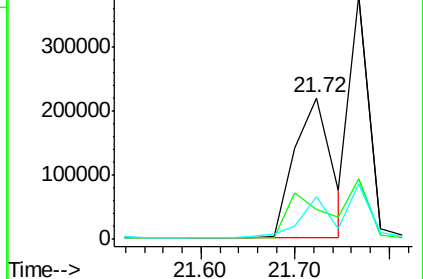
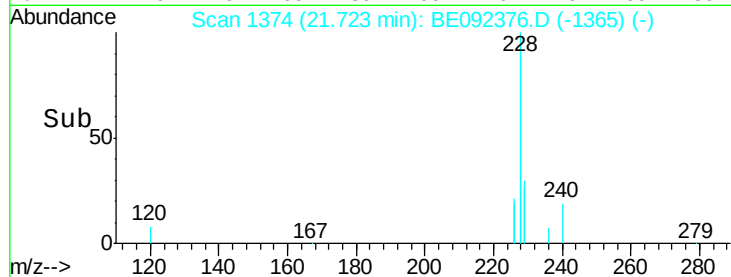
229 30.1 13.3 19.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 5.78 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.05 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

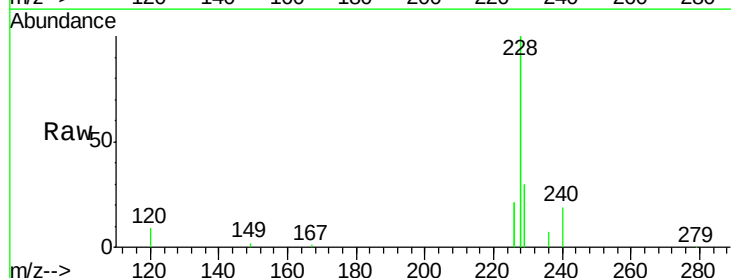
Tgt Ion:228 Resp: 591829

Ion Ratio Lower Upper

228 100

226 21.0 36.3 54.5#

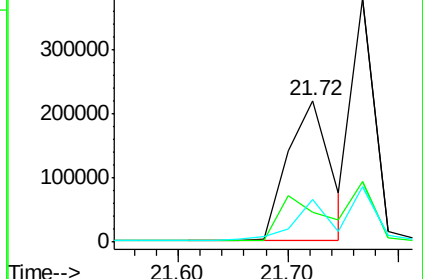
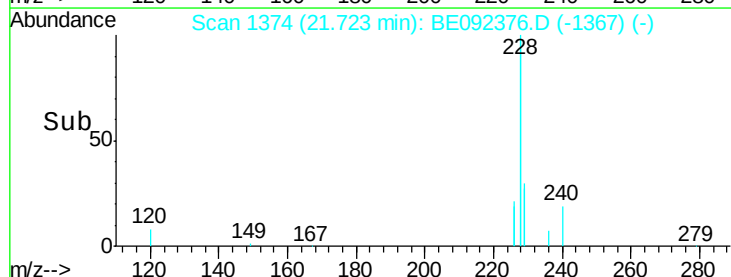
229 30.1 10.6 16.0#



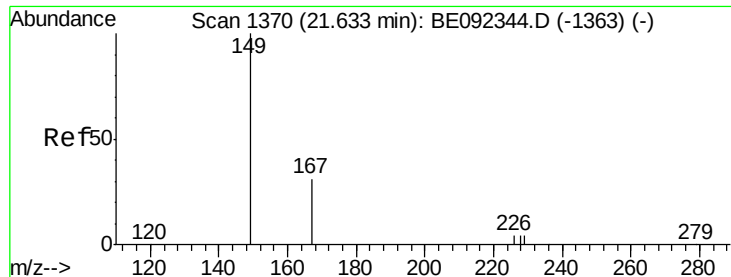
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



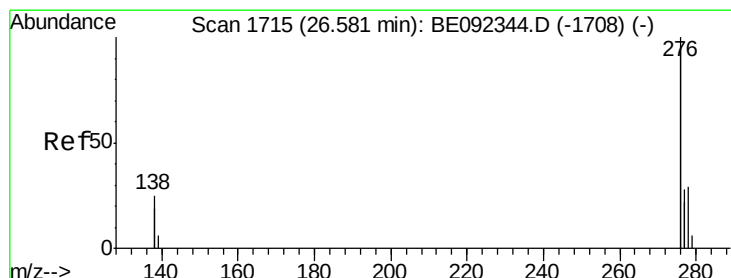
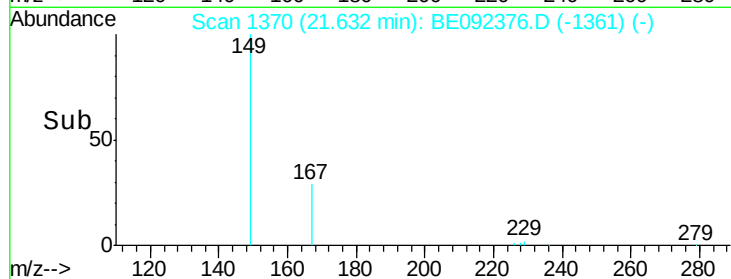
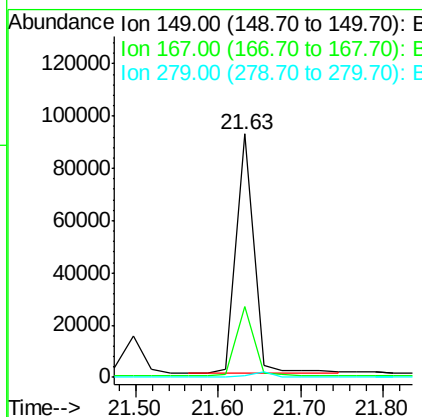
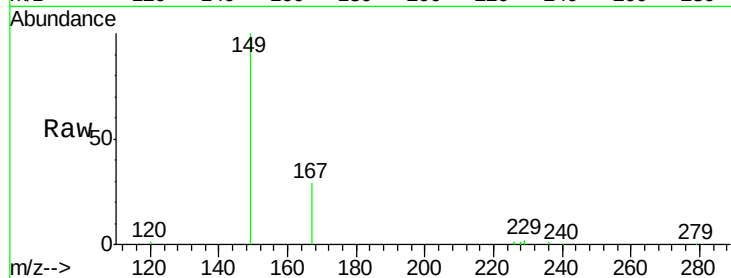




#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: Below Cal  
 RT: 21.63 min Scan# 1370  
 Delta R.T. -0.00 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

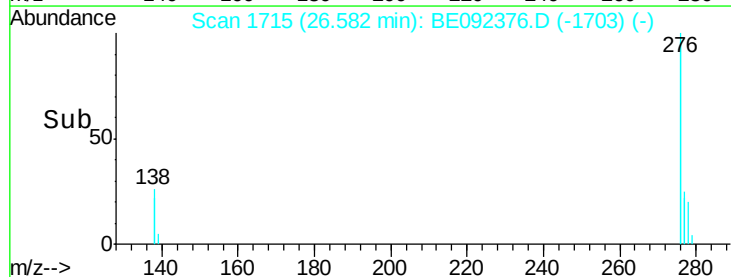
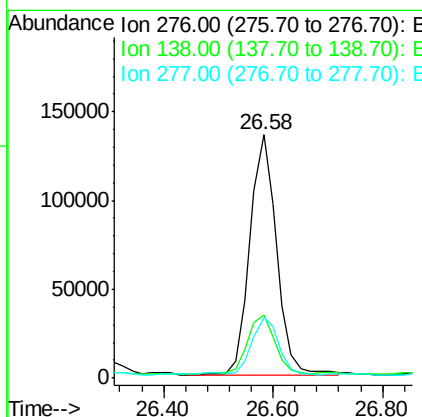
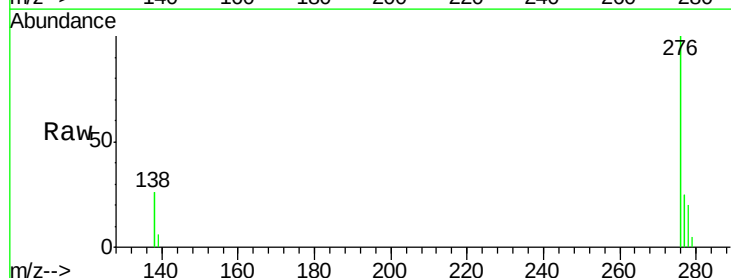
Instrument :  
 BNA\_E  
 ClientSampleId :

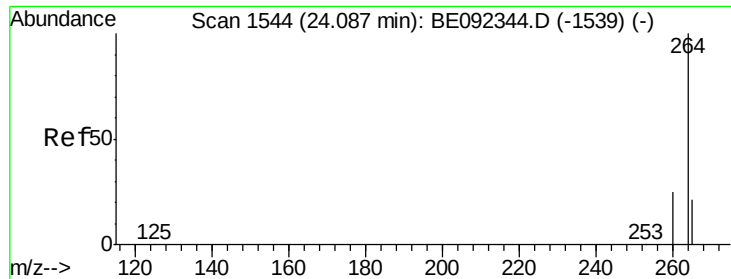
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.2  | 16.0  | 24.0# |
| 279     | 0.0   | 16.0  | 24.0# |



#30  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.92 ng  
 RT: 26.58 min Scan# 1715  
 Delta R.T. 0.00 min  
 Lab File: BE092376.D  
 Acq: 12 Sep 2016 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.1  | 20.3  | 30.5  |
| 277     | 23.4  | 19.7  | 29.5  |



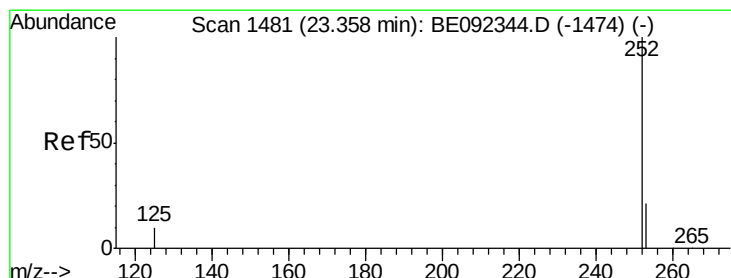
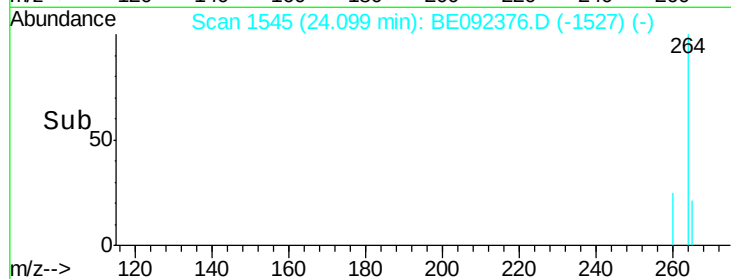
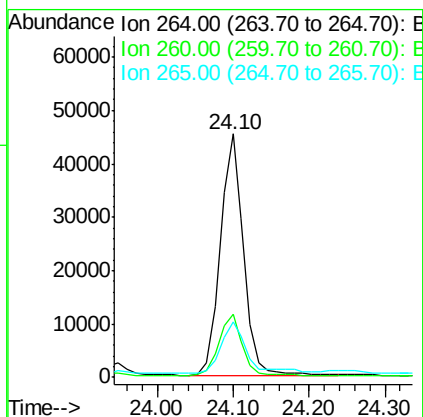
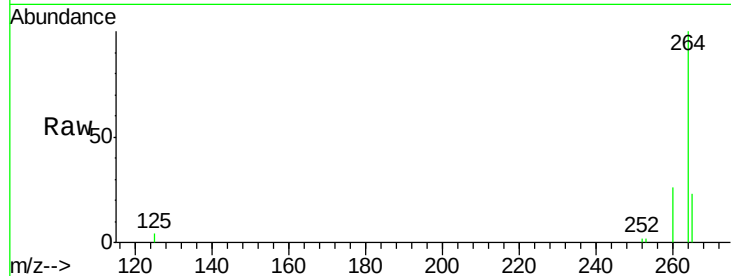


#31  
Pervlene-d12  
Concen: 5.00 ng  
RT: 24.10 min Scan# 1545  
Delta R.T. 0.01 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:264 Resp: 96381  

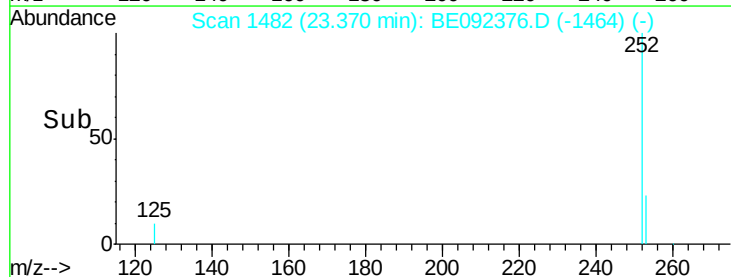
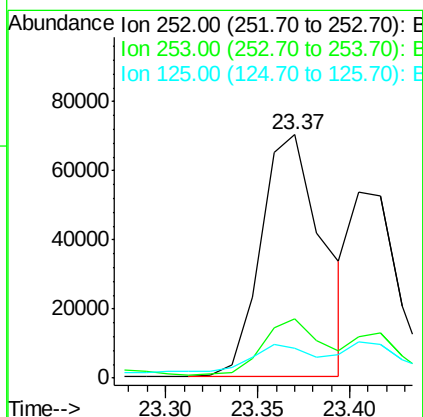
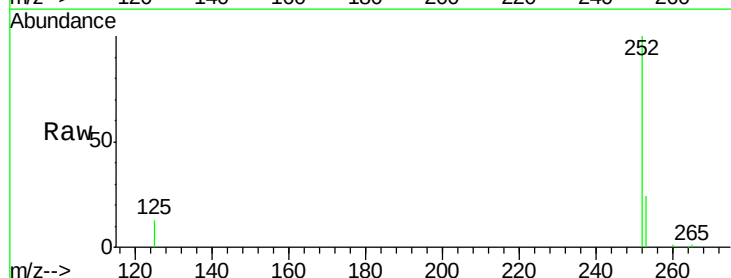
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 20.1  | 30.1  |
| 265 | 22.8  | 17.9  | 26.9  |

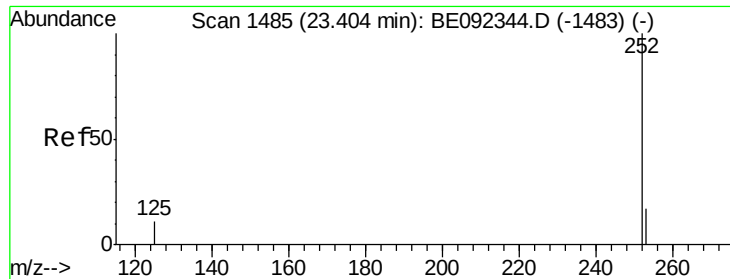


#32  
Benzo(b)fluoranthene  
Concen: 6.62 ng  
RT: 23.37 min Scan# 1482  
Delta R.T. 0.01 min  
Lab File: BE092376.D  
Acq: 12 Sep 2016 17:47

Tgt Ion:252 Resp: 163928  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.3  | 18.7  | 28.1  |
| 125 | 12.5  | 10.5  | 15.7  |





#33

Benzo(k)fluoranthene

Concen: 6.27 ng

RT: 23.37 min Scan# 1482

Delta R.T. -0.03 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :

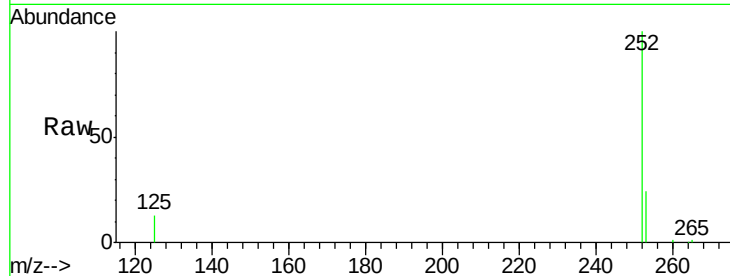
Tot Ion:252 Resp: 163928

Ion Ratio Lower Upper

252 100

253 24.3 20.3 30.5

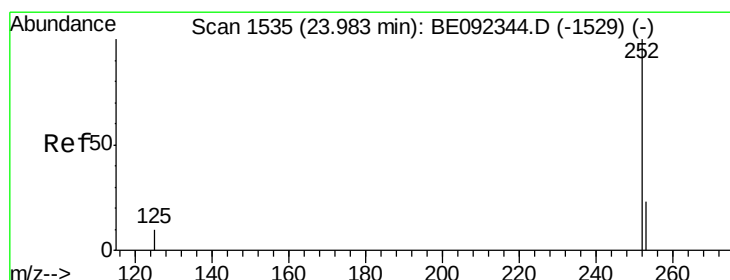
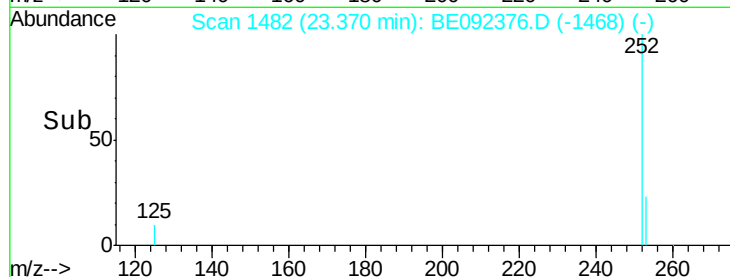
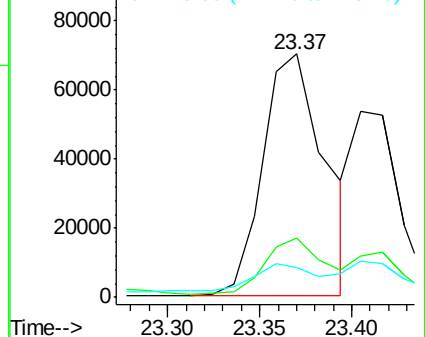
125 12.5 9.6 14.4



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(a)pyrene

Concen: 5.17 ng

RT: 23.98 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

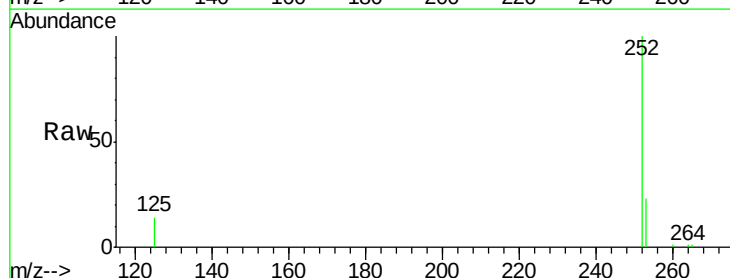
Tgt Ion:252 Resp: 125949

Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.6

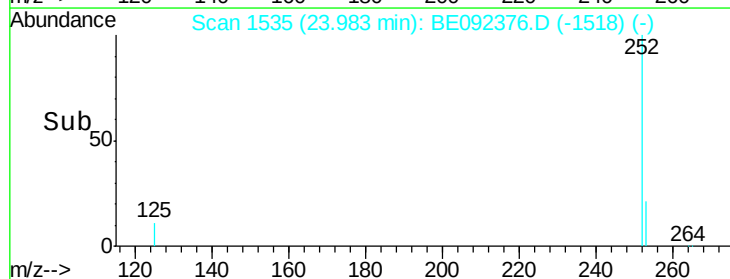
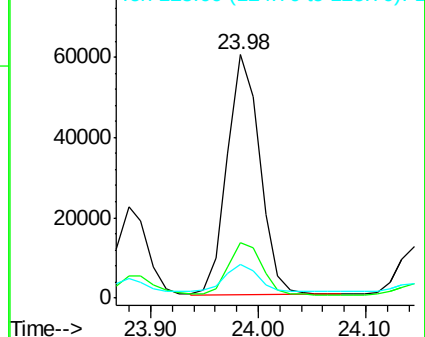
125 14.0 11.8 17.8

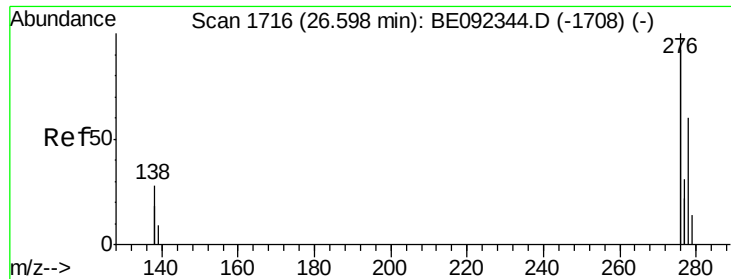


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.04 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.00 min

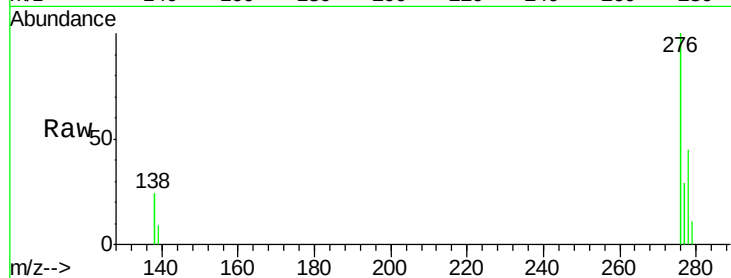
Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Instrument :

BNA\_E

ClientSampleId :



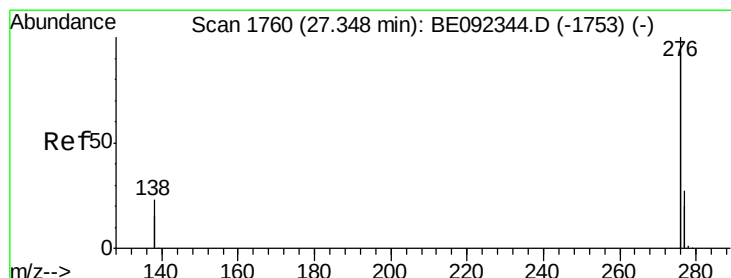
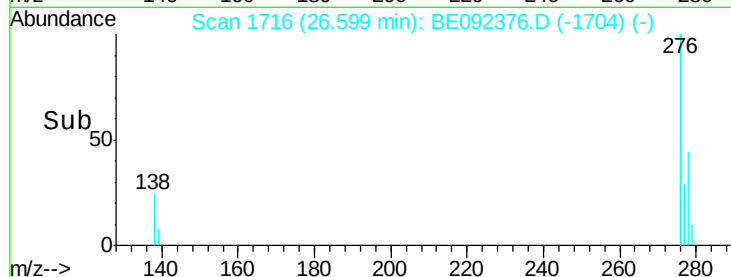
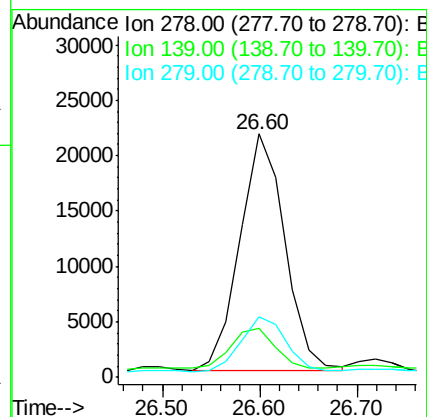
Tot Ion:278 Resp: 68661

Ion Ratio Lower Upper

278 100

139 20.0 13.8 20.8

279 24.8 21.4 32.2



#36

Benzo(g,h,i)perylene

Concen: 4.31 ng

RT: 27.35 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BE092376.D

Acq: 12 Sep 2016 17:47

Tgt Ion:276 Resp: 410183

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.8

138 24.8 19.8 29.6

