

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040116\  
 Data File : BE091578.D  
 Acq On : 31 Mar 2016 10:15  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 01 00:44:12 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE033016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 18:45:59 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 37083    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.59 | 136  | 170255   | 5.00 | ng    | 0.00     |
| 10) Acenaphthene-d10      | 14.42 | 164  | 104850   | 5.00 | ng    | -0.03    |
| 16) Phenanthrene-d10      | 17.16 | 188  | 268854   | 5.00 | ng    | -0.01    |
| 22) Chrysene-d12          | 21.31 | 240  | 395875   | 5.00 | ng    | -0.02    |
| 28) Perylene-d12          | 23.76 | 264  | 329379   | 5.00 | ng    | -0.03    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.41  | 112 | 3702  | 0.38 | ng | -0.01 |
| 5) Phenol-d6                | 6.97  | 99  | 4963  | 0.38 | ng | -0.02 |
| 7) Nitrobenzene-d5          | 8.96  | 82  | 4161  | 0.36 | ng | -0.02 |
| 11) 2,4,6-Tribromophenol    | 15.91 | 330 | 1358  | 0.29 | ng | -0.01 |
| 12) 2-Fluorobiphenyl        | 13.05 | 172 | 11798 | 0.40 | ng | -0.02 |
| 24) Terphenyl-d14           | 19.76 | 244 | 18838 | 0.38 | ng | -0.02 |

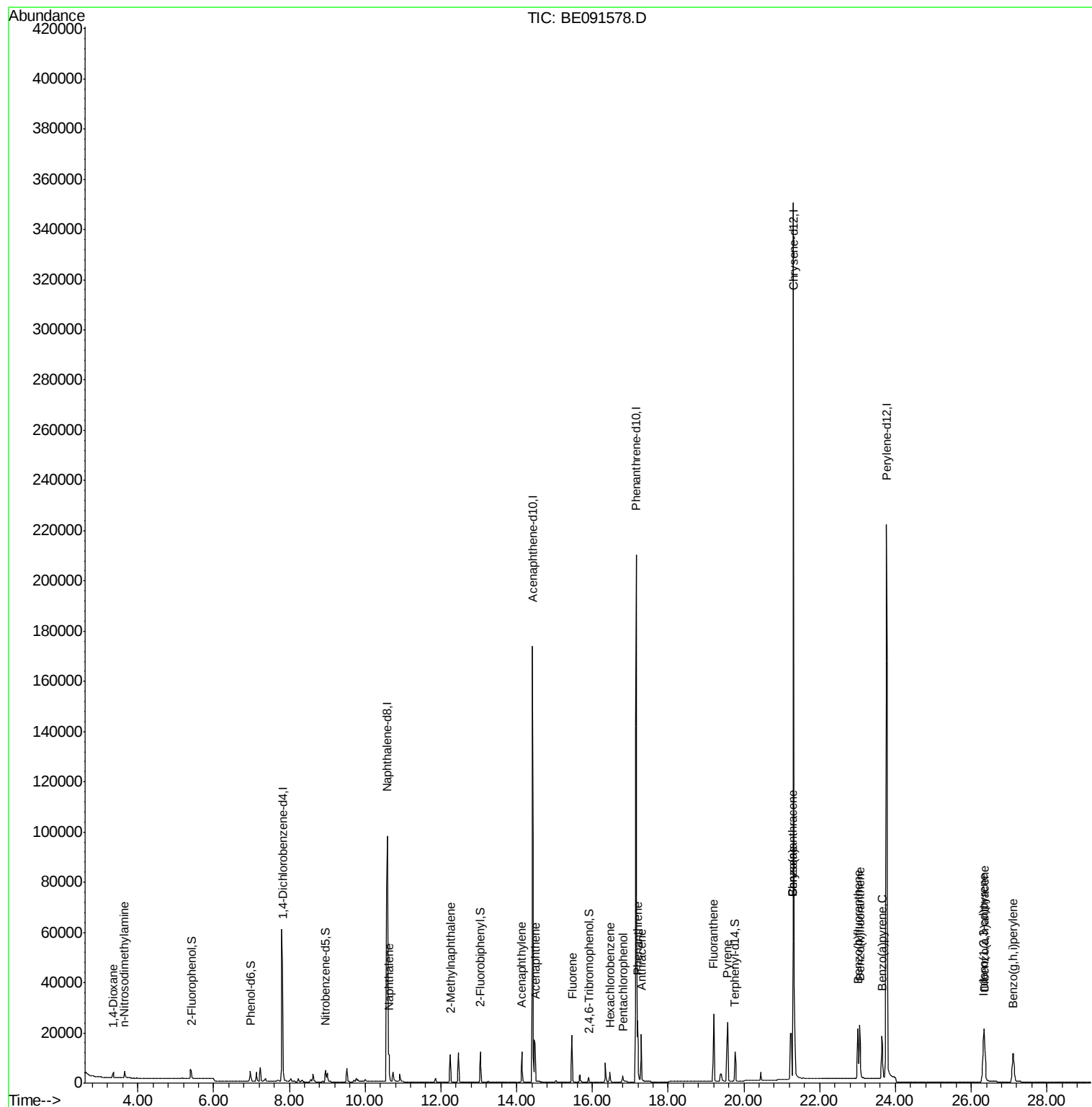
|                            |       |     |       |        |    |      |
|----------------------------|-------|-----|-------|--------|----|------|
| Target Compounds           |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane             | 3.35  | 88  | 2001  | 0.36   | ng | 97   |
| 3) n-Nitrosodimethylamine  | 3.65  | 42  | 2394  | 0.36   | ng | 99   |
| 8) Naphthalene             | 10.63 | 128 | 14196 | 0.40   | ng | 96   |
| 9) 2-Methylnaphthalene     | 12.25 | 142 | 8967  | 0.39   | ng | 97   |
| 13) Acenaphthylene         | 14.14 | 152 | 16765 | 0.40   | ng | # 92 |
| 14) Acenaphthene           | 14.49 | 154 | 10219 | 0.39   | ng | 96   |
| 15) Fluorene               | 15.47 | 166 | 12981 | 0.39   | ng | 99   |
| 17) Hexachlorobenzene      | 16.46 | 284 | 3867  | 0.39   | ng | 99   |
| 18) Pentachlorophenol      | 16.81 | 266 | 2068  | 0.37   | ng | 90   |
| 19) Phenanthrene           | 17.19 | 178 | 24660 | 0.39   | ng | 100  |
| 20) Anthracene             | 17.29 | 178 | 21636 | 0.37   | ng | 100  |
| 21) Fluoranthene           | 19.21 | 202 | 28716 | 0.39   | ng | 100  |
| 23) Pvrene                 | 19.57 | 202 | 29744 | 0.37   | ng | 100  |
| 25) Benzo(a)anthracene     | 21.29 | 228 | 62954 | 0.68   | ng | 99   |
| 26) Chrysene               | 21.29 | 228 | 63232 | 0.80   | ng | # 88 |
| 27) Indeno(1,2,3-cd)pyrene | 26.32 | 276 | 33019 | 0.36   | ng | 99   |
| 29) Benzo(b)fluoranthene   | 23.01 | 252 | 31789 | 0.40   | ng | 97   |
| 30) Benzo(k)fluoranthene   | 23.06 | 252 | 29232 | 0.38   | ng | 96   |
| 31) Benzo(a)pvrene         | 23.65 | 252 | 27813 | 0.38   | ng | 97   |
| 32) Dibenzo(a,h)anthracene | 26.35 | 278 | 27558 | 0.38   | ng | 98   |
| 33) Benzo(g,h,i)perylene   | 27.12 | 276 | 28356 | 0.39   | ng | 99   |

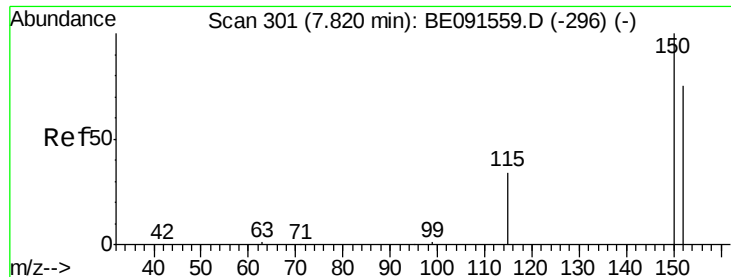
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040116\  
Data File : BE091578.D  
Acq On : 31 Mar 2016 10:15  
Operator : UM/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Apr 01 00:44:12 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE033016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 30 18:45:59 2016  
Response via : Initial Calibration



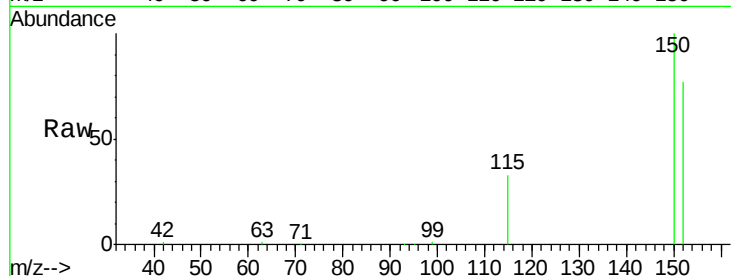


#1

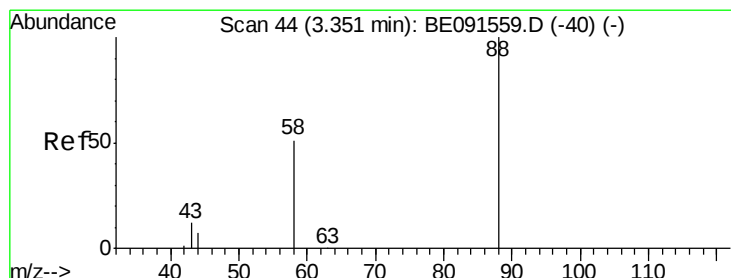
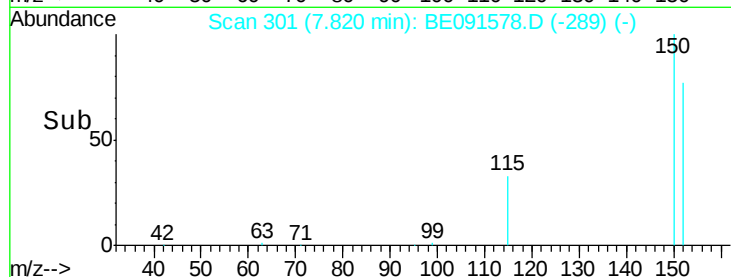
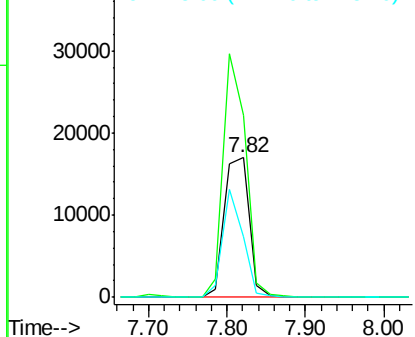
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.82 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 37083  
Ion Ratio Lower Upper  
152 100  
150 130.3 122.2 183.2  
115 43.5 45.9 68.9#



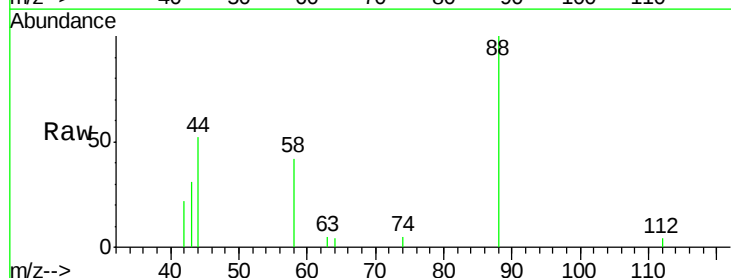
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



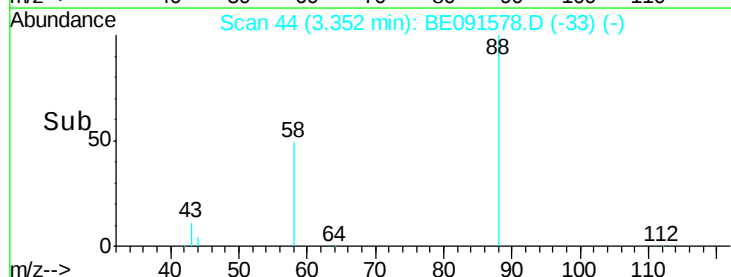
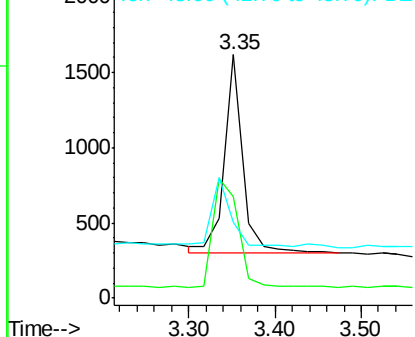
#2

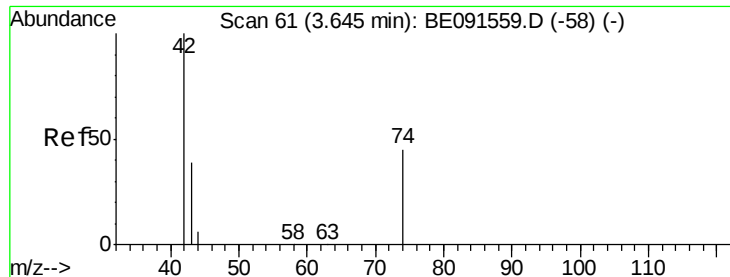
1,4-Dioxane  
Concen: 0.36 ng  
RT: 3.35 min Scan# 44  
Delta R.T. -0.01 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Tgt Ion: 88 Resp: 2001  
Ion Ratio Lower Upper  
88 100  
58 73.7 61.0 91.6  
43 34.3 25.4 38.2



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: 0.36 ng

RT: 3.65 min Scan# 61

Delta R.T. -0.03 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

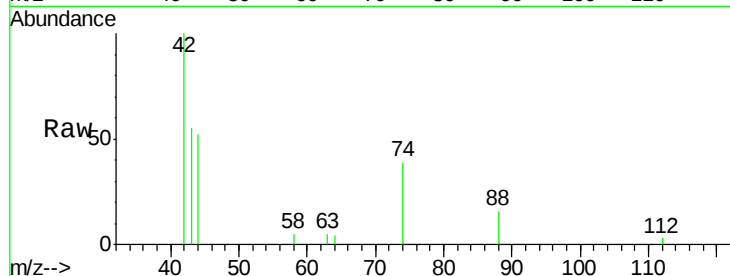
Tot Ion: 42 Resp: 2394

Ion Ratio Lower Upper

42 100

74 106.5 84.3 126.5

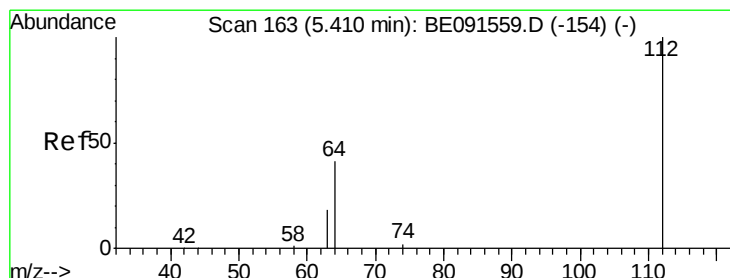
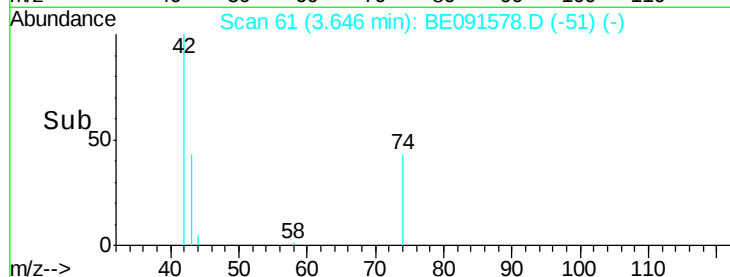
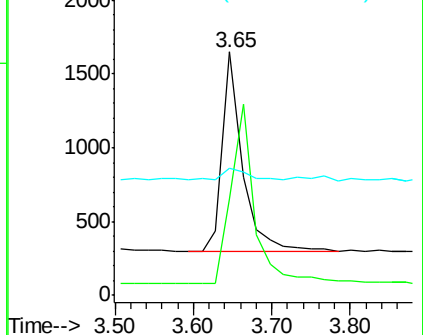
44 7.4 6.7 10.1



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

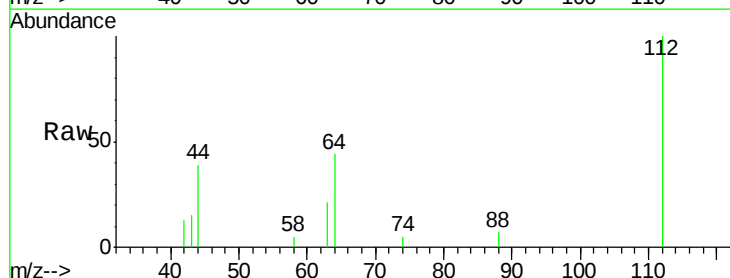
Tgt Ion: 112 Resp: 3702

Ion Ratio Lower Upper

112 100

64 68.7 53.3 79.9

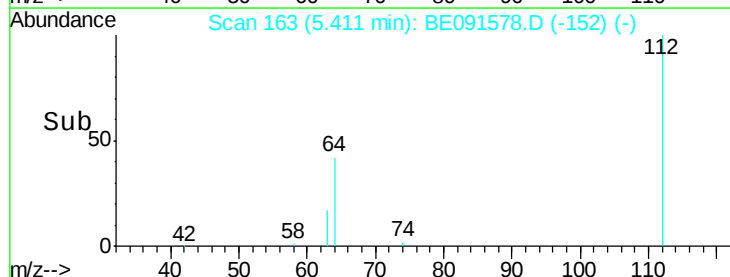
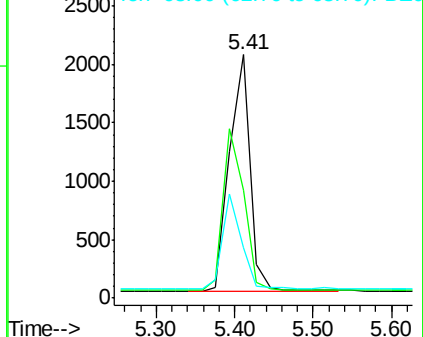
63 36.5 29.8 44.8

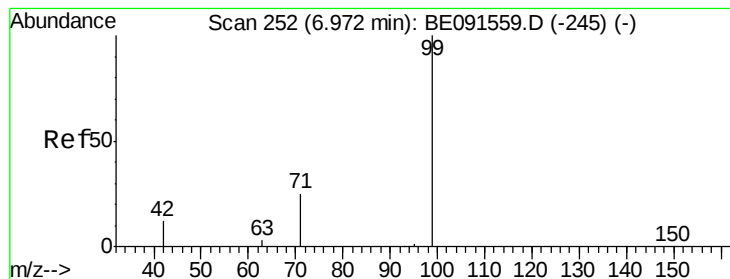


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.38 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

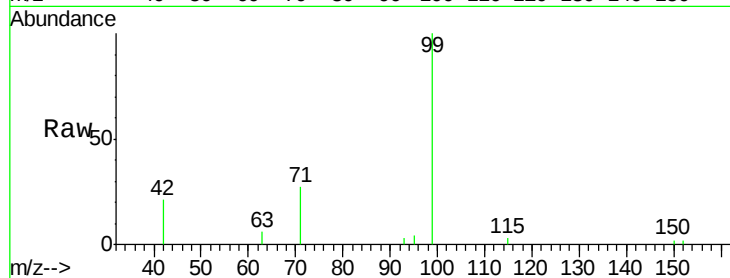
Tot Ion: 99 Resp: 4963

Ion Ratio Lower Upper

99 100

42 27.8 20.6 30.8

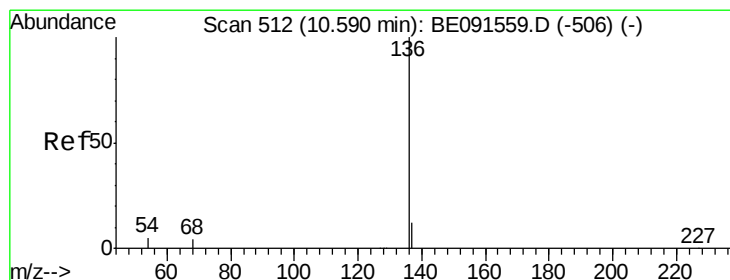
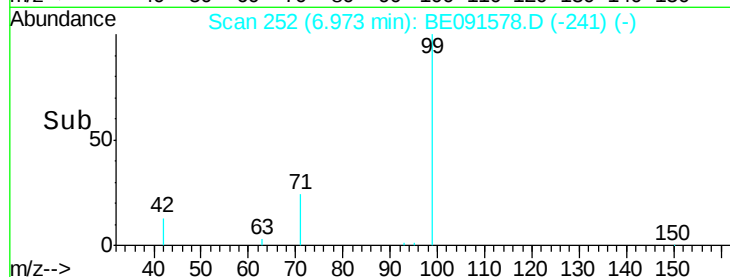
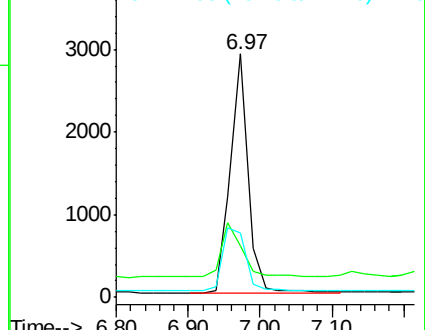
71 35.0 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE091559.D (-245) (-)

Ion 42.00 (41.70 to 42.70): BE091559.D (-245) (-)

Ion 71.00 (70.70 to 71.70): BE091559.D (-245) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Tgt Ion: 136 Resp: 170255

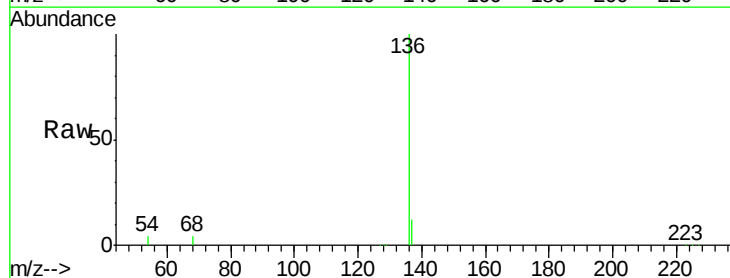
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 4.4 5.2 7.8#

68 3.7 4.1 6.1#

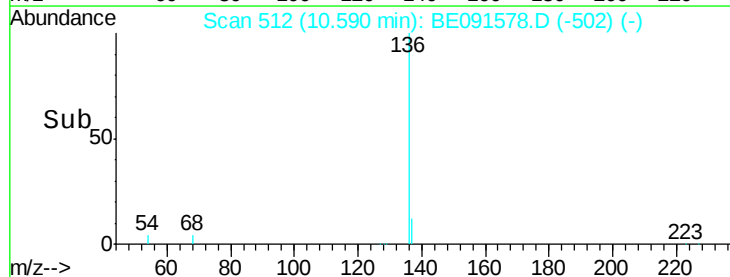
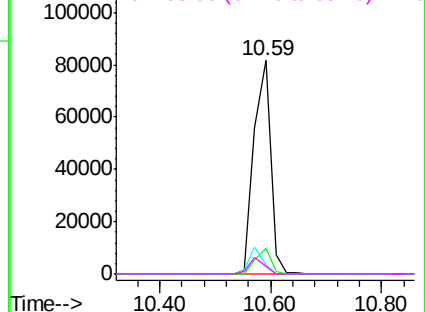


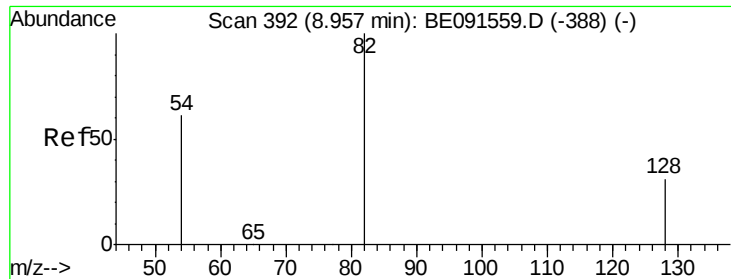
Abundance Ion 136.00 (135.70 to 136.70): BE091559.D (-506) (-)

Ion 137.00 (136.70 to 137.70): BE091559.D (-506) (-)

Ion 54.00 (53.70 to 54.70): BE091559.D (-506) (-)

Ion 68.00 (67.70 to 68.70): BE091559.D (-506) (-)





#7

Nitrobenzene-d5

Concen: 0.36 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

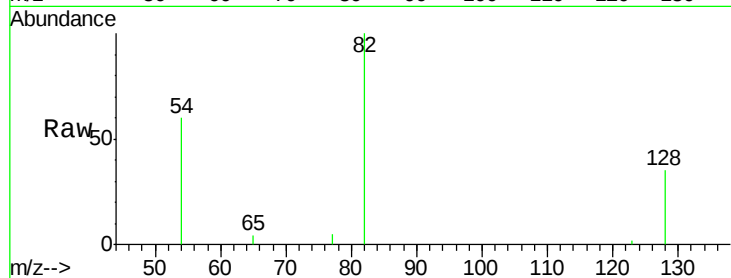
Tot Ion: 82 Resp: 4161

Ion Ratio Lower Upper

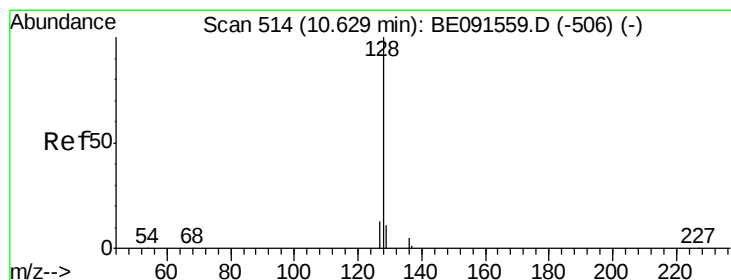
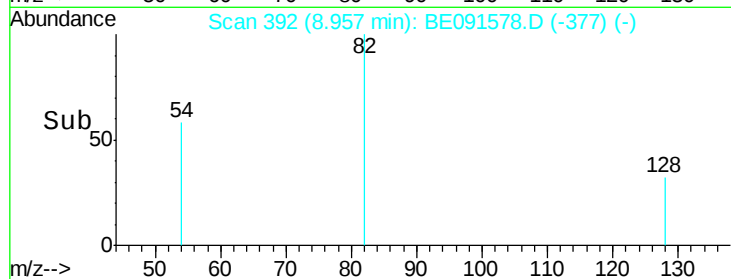
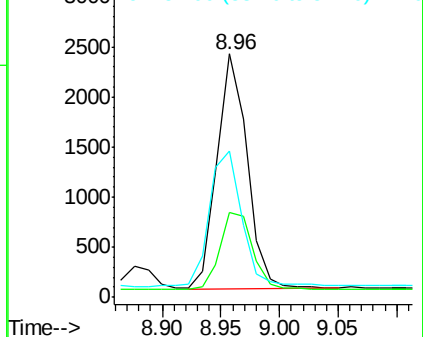
82 100

128 34.7 23.5 35.3

54 60.3 52.4 78.6



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

Naphthalene

Concen: 0.40 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

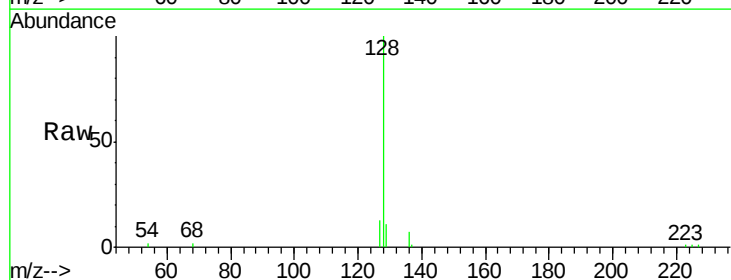
Tgt Ion: 128 Resp: 14196

Ion Ratio Lower Upper

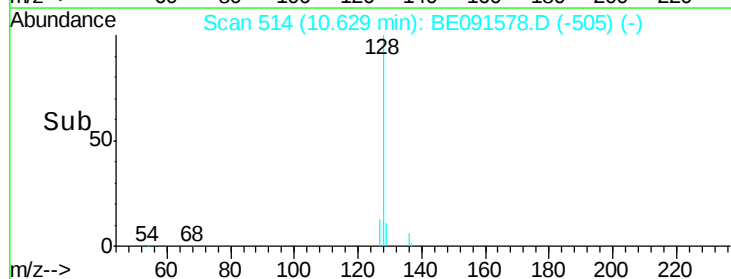
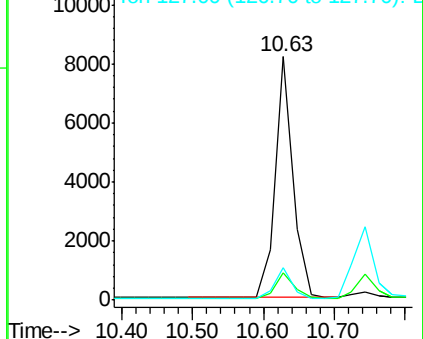
128 100

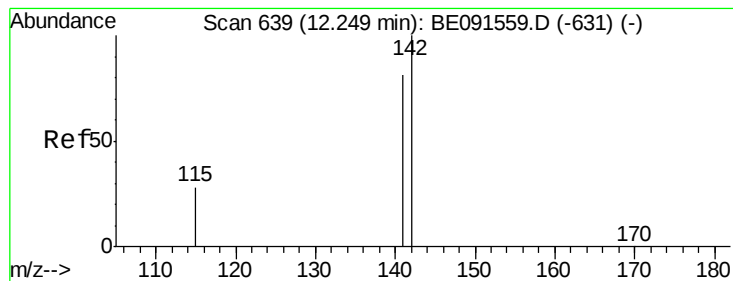
129 11.3 8.2 12.2

127 13.2 11.8 17.8



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 0.39 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

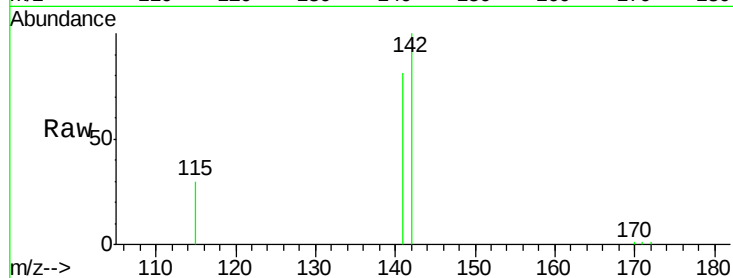
Tot Ion:142 Resp: 8967

Ion Ratio Lower Upper

142 100

141 80.7 66.9 100.3

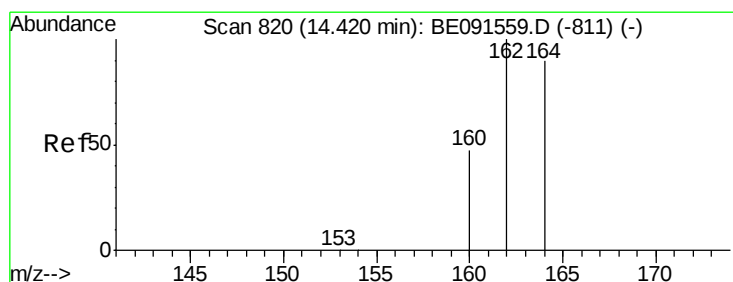
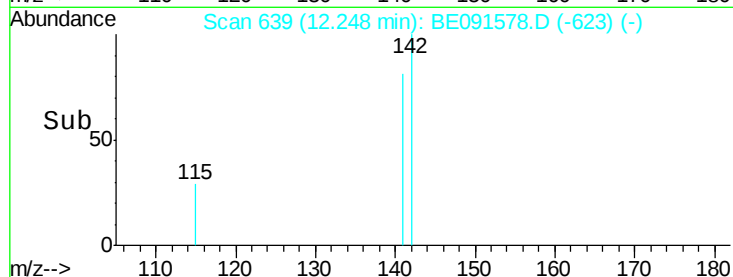
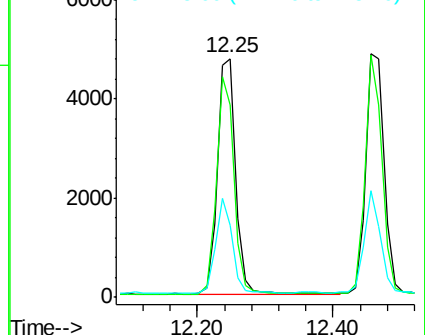
115 30.2 25.1 37.7



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



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.03 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

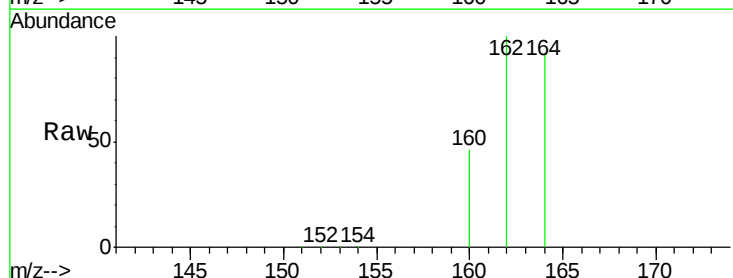
Tgt Ion:164 Resp: 104850

Ion Ratio Lower Upper

164 100

162 109.7 84.4 126.6

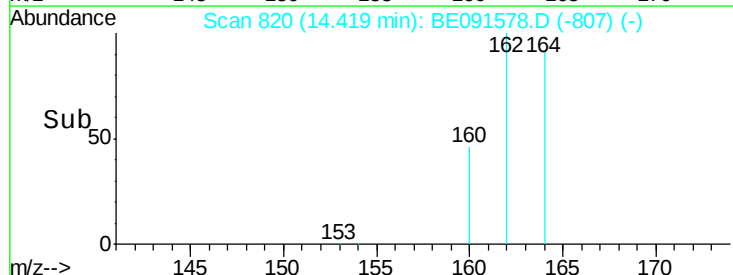
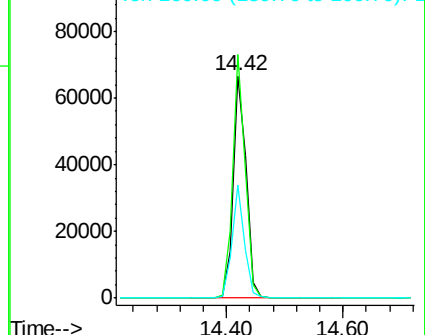
160 50.9 37.7 56.5

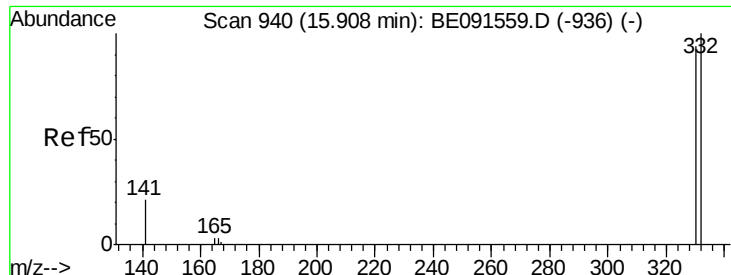


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

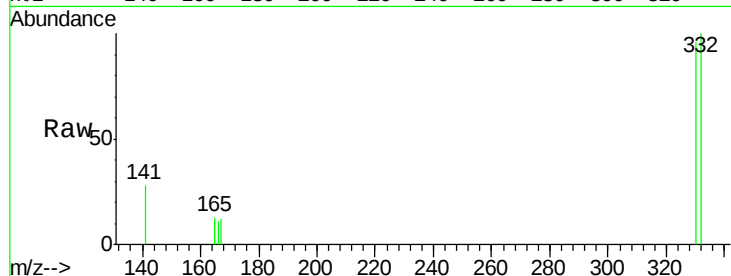




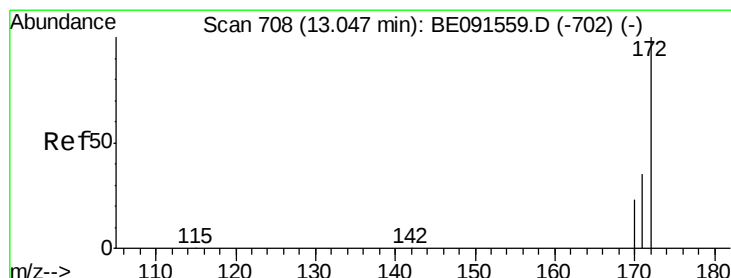
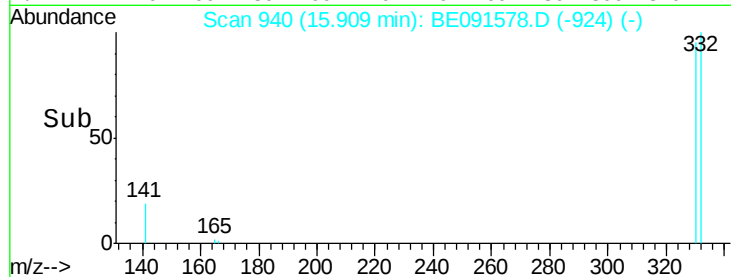
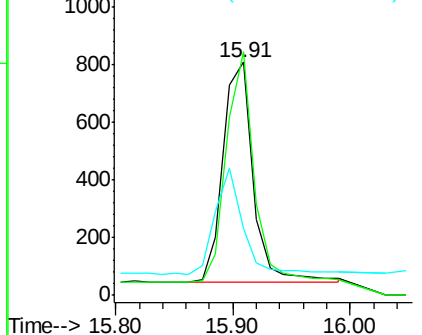
#11  
 2,4,6-Tribromophenol  
 Concen: 0.29 ng  
 RT: 15.91 min Scan# 940  
 Delta R.T. -0.01 min  
 Lab File: BE091578.D  
 Acq: 31 Mar 2016 10:15

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:330 Resp: 1358  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 79.2 118.8  
 141 45.1 28.1 42.1#

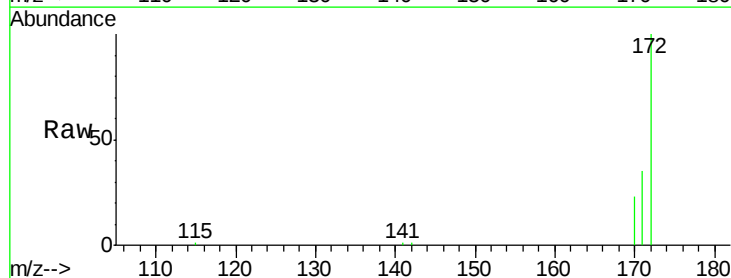


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

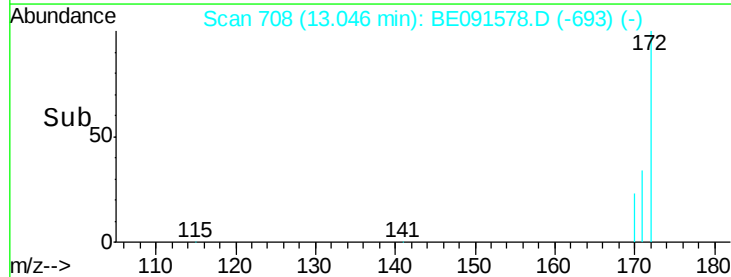
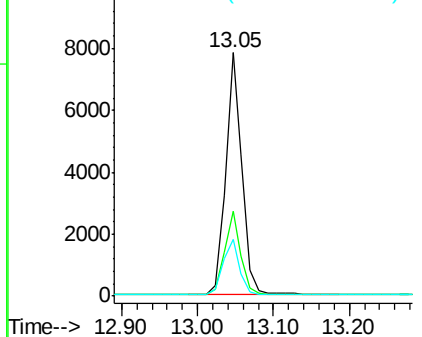


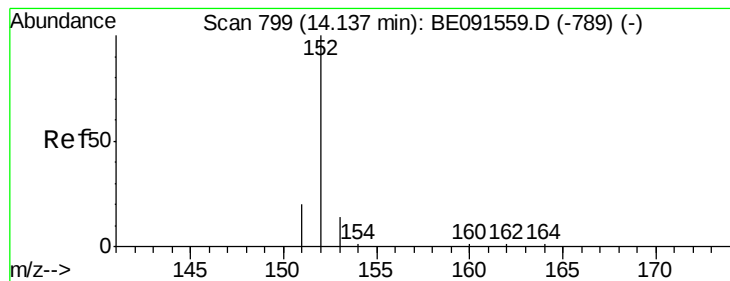
#12  
 2-Fluorobiphenyl  
 Concen: 0.40 ng  
 RT: 13.05 min Scan# 708  
 Delta R.T. -0.02 min  
 Lab File: BE091578.D  
 Acq: 31 Mar 2016 10:15

Tgt Ion:172 Resp: 11798  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 29.8 44.8  
 170 23.1 21.4 32.2



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





#13

Acenaphthylene

Concen: 0.40 ng

RT: 14.14 min Scan# 799

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

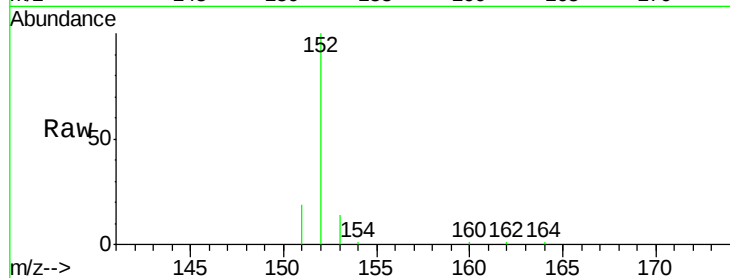
Tot Ion:152 Resp: 16765

Ion Ratio Lower Upper

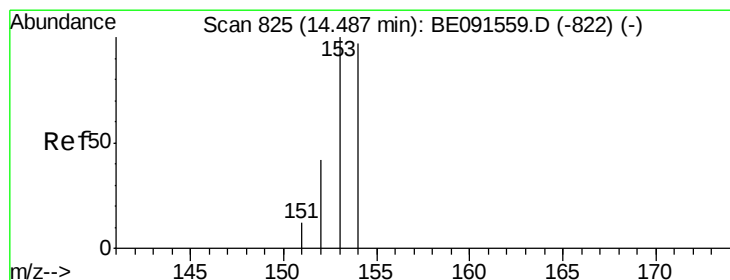
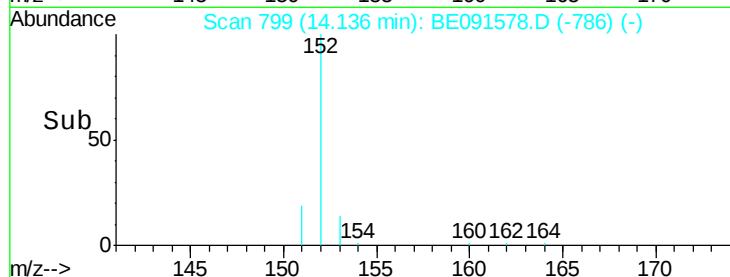
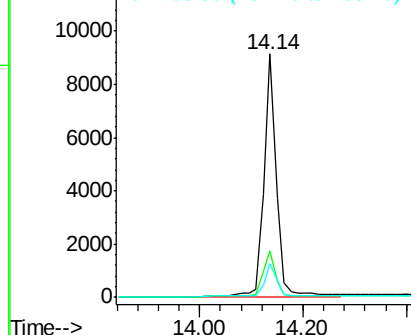
152 100

151 17.5 16.3 24.5

153 18.0 11.1 16.7#



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



#14

Acenaphthene

Concen: 0.39 ng

RT: 14.49 min Scan# 825

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

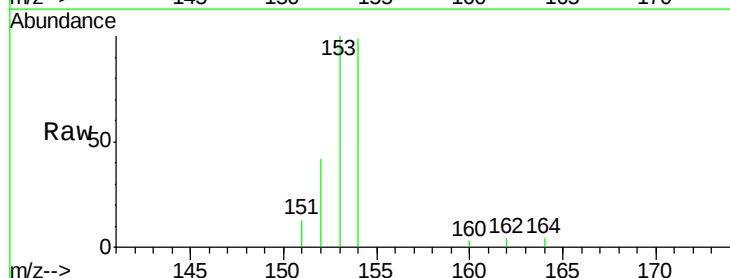
Tgt Ion:154 Resp: 10219

Ion Ratio Lower Upper

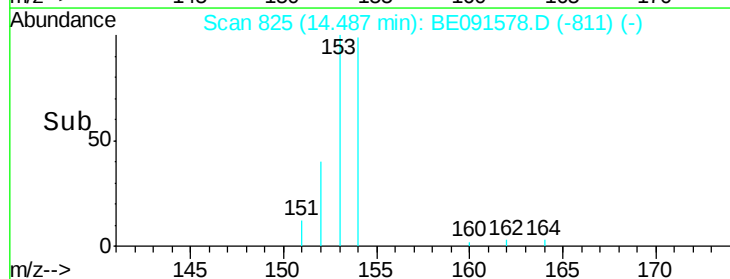
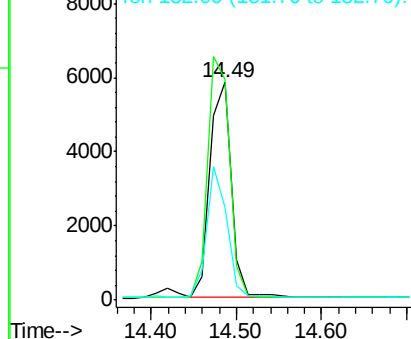
154 100

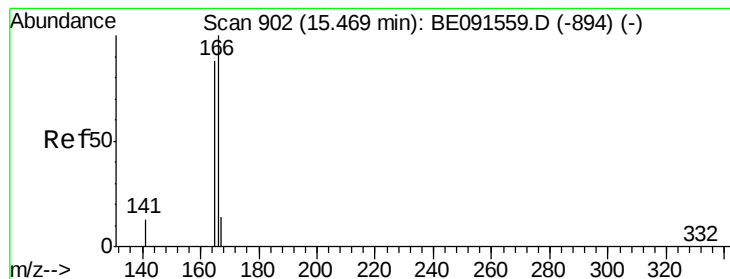
153 114.1 87.3 130.9

152 56.1 42.9 64.3



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





#15

Fluorene

Concen: 0.39 ng

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

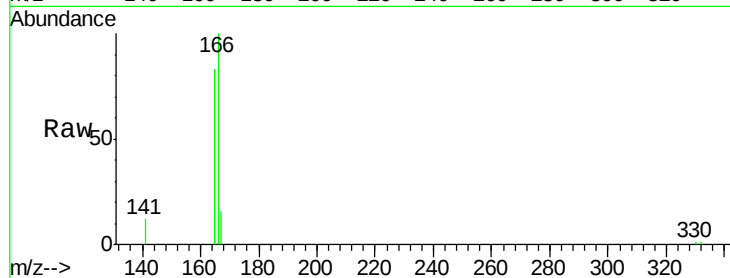
Tot Ion:166 Resp: 12981

Ion Ratio Lower Upper

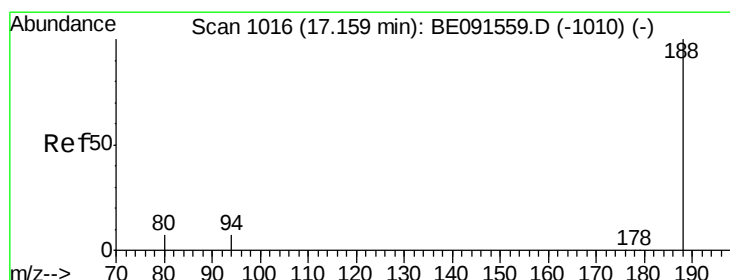
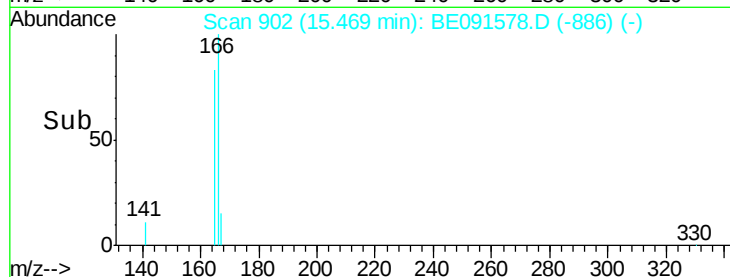
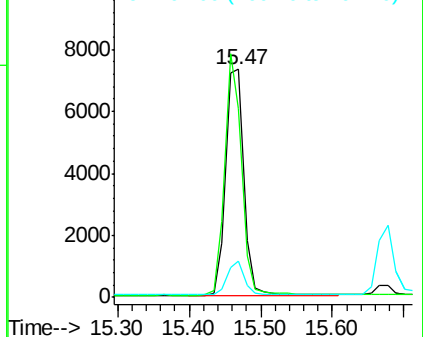
166 100

165 97.9 79.2 118.8

167 13.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

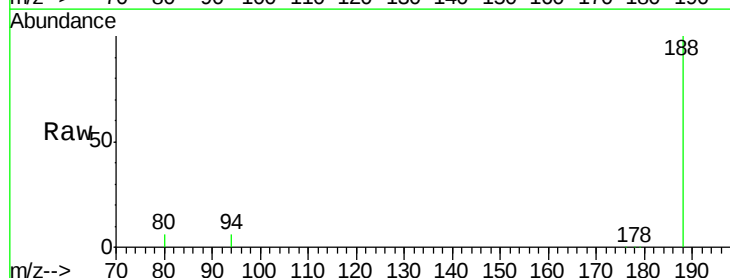
Tgt Ion:188 Resp: 268854

Ion Ratio Lower Upper

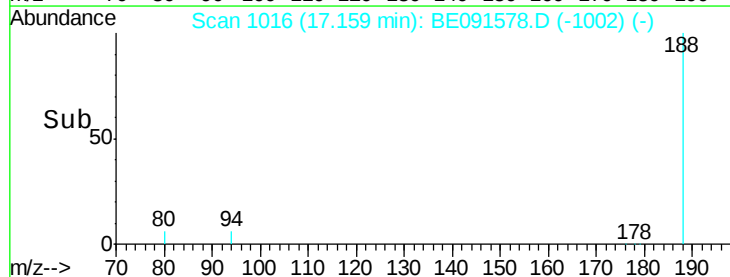
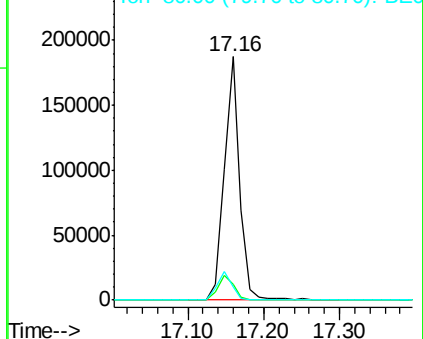
188 100

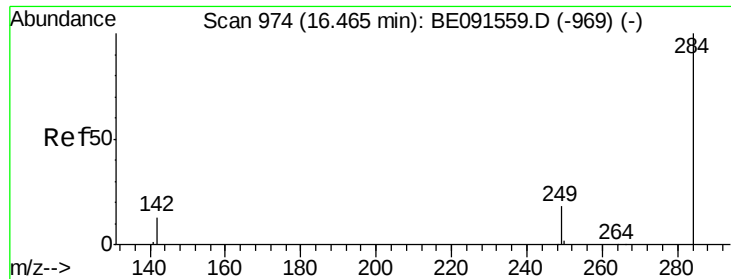
94 6.4 5.4 8.2

80 5.5 5.0 7.4



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

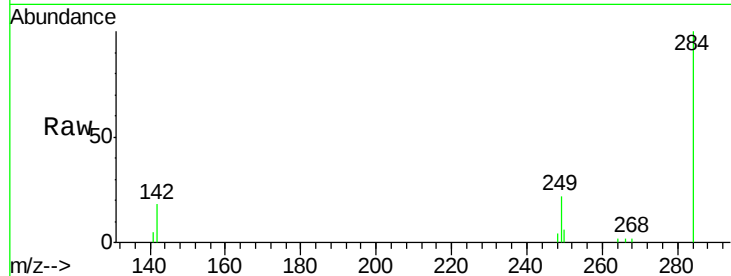




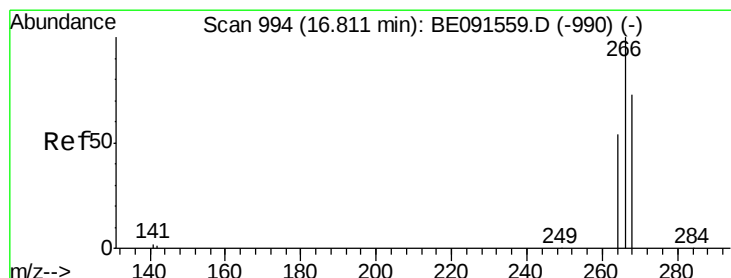
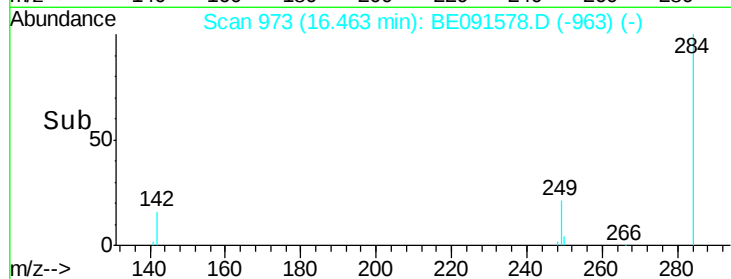
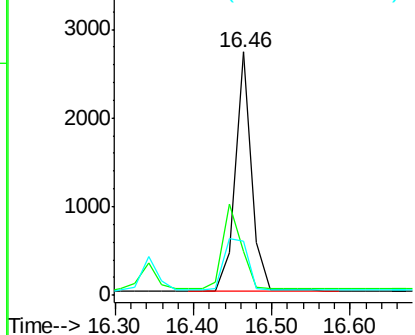
#17  
Hexachlorobenzene  
Concen: 0.39 ng  
RT: 16.46 min Scan# 973  
Delta R.T. -0.02 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:284 Resp: 3867  
Ion Ratio Lower Upper  
284 100  
142 39.7 31.0 46.4  
249 31.8 25.8 38.8

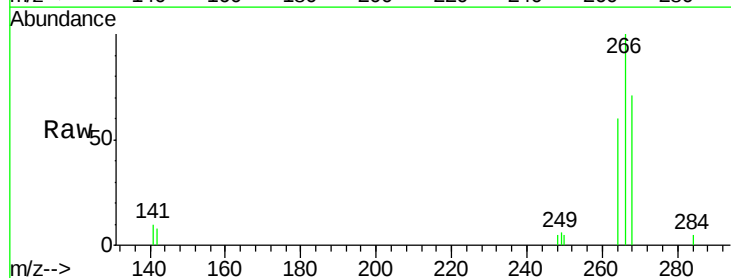


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

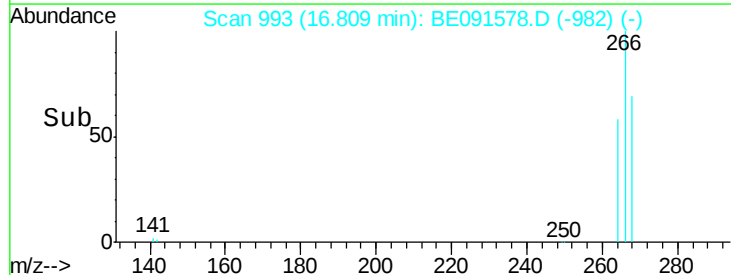
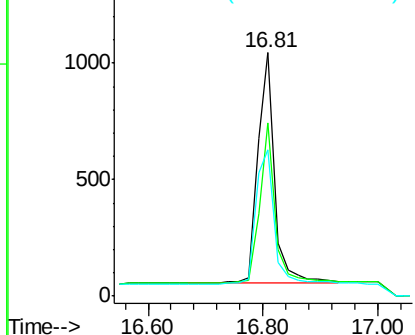


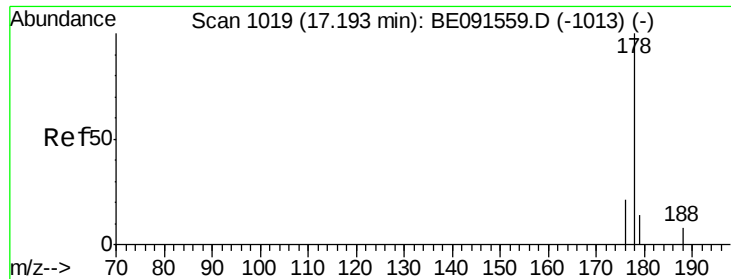
#18  
Pentachlorophenol  
Concen: 0.37 ng  
RT: 16.81 min Scan# 993  
Delta R.T. -0.02 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Tgt Ion:266 Resp: 2068  
Ion Ratio Lower Upper  
266 100  
268 71.0 48.2 72.2  
264 59.8 52.1 78.1



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

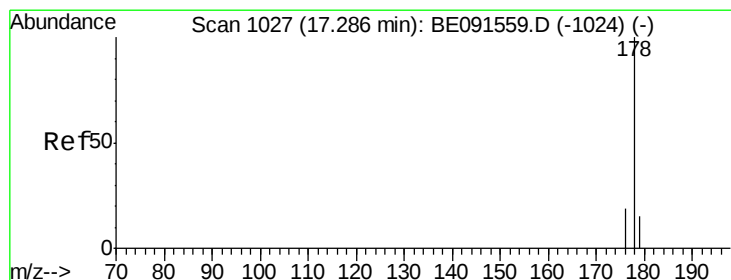
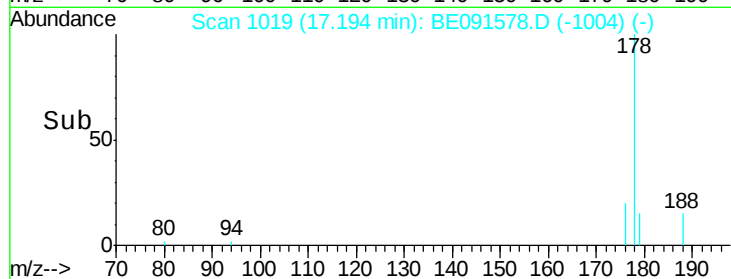
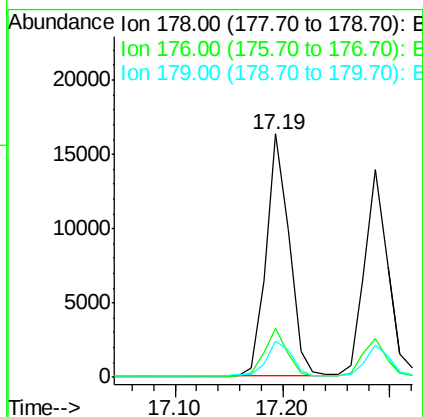
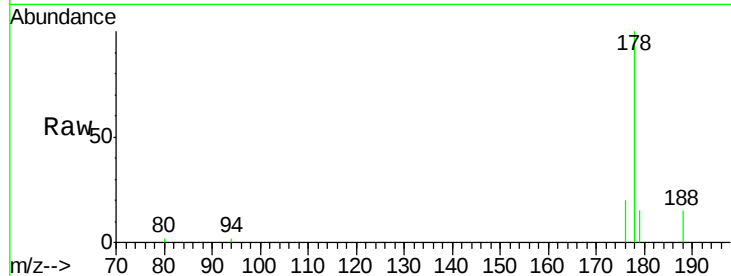




#19  
Phenanthrene  
Concen: 0.39 ng  
RT: 17.19 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

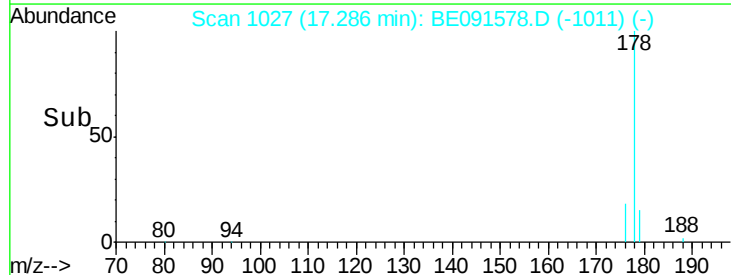
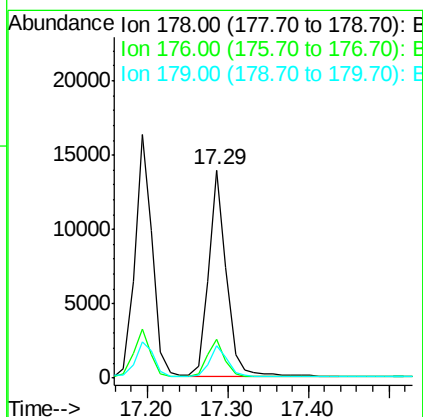
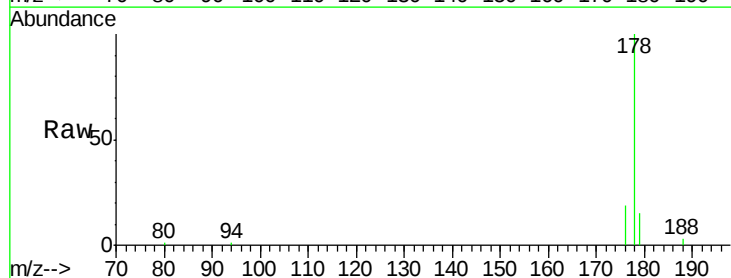
Instrument :  
BNA\_E  
ClientSampleId :

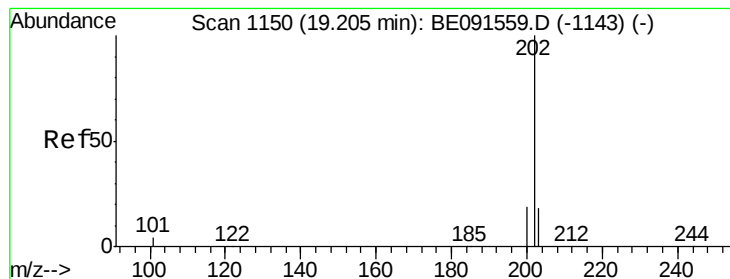
Tot Ion:178 Resp: 24660  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 16.1 13.1 19.7



#20  
Anthracene  
Concen: 0.37 ng  
RT: 17.29 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Tgt Ion:178 Resp: 21636  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.9 22.3  
179 15.3 12.2 18.4





#21

Fluoranthene

Concen: 0.39 ng

RT: 19.21 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampled :

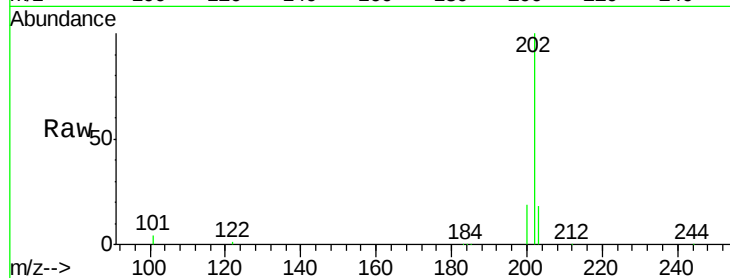
Tot Ion:202 Resp: 28716

Ion Ratio Lower Upper

202 100

101 10.5 8.3 12.5

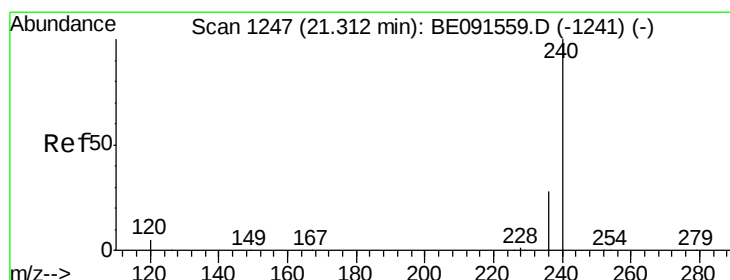
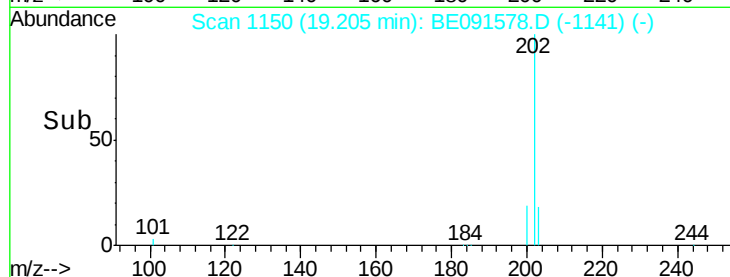
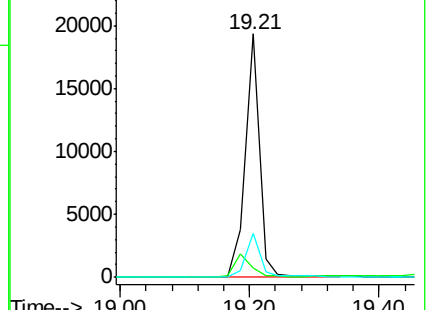
203 17.2 13.9 20.9



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

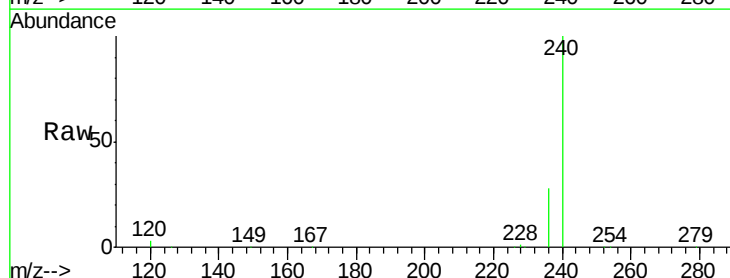
Tgt Ion:240 Resp: 395875

Ion Ratio Lower Upper

240 100

120 3.2 4.0 6.0#

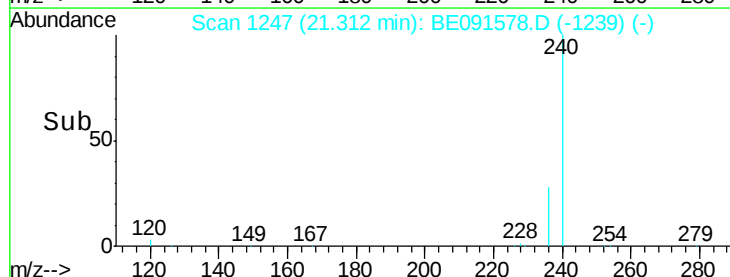
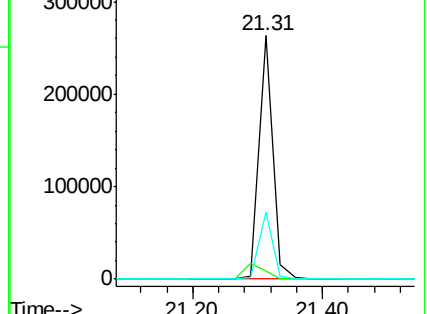
236 27.8 23.0 34.4

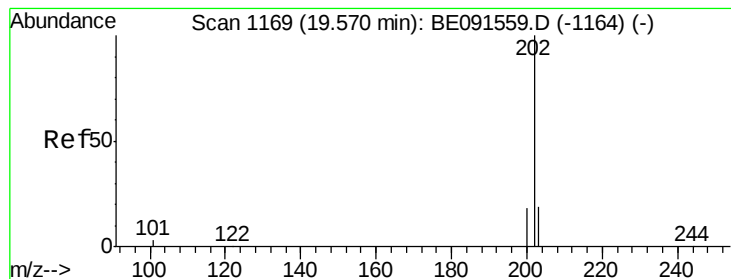


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#23

Pvrene

Concen: 0.37 ng

RT: 19.57 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

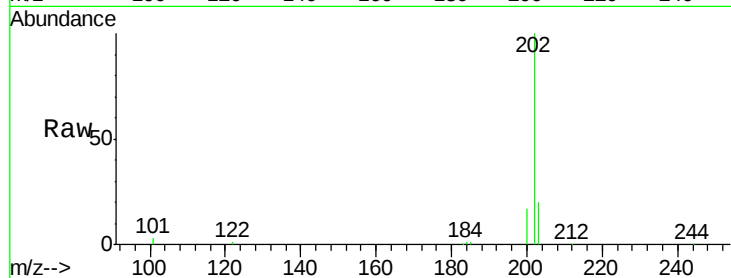
Tot Ion:202 Resp: 29744

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

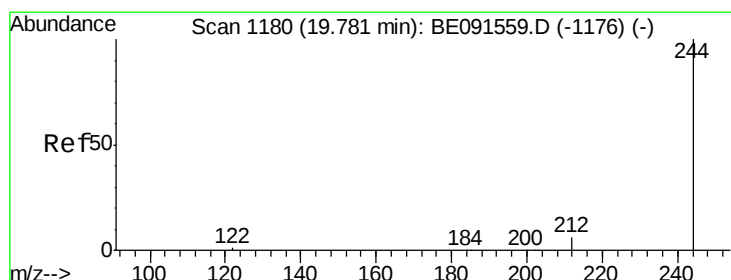
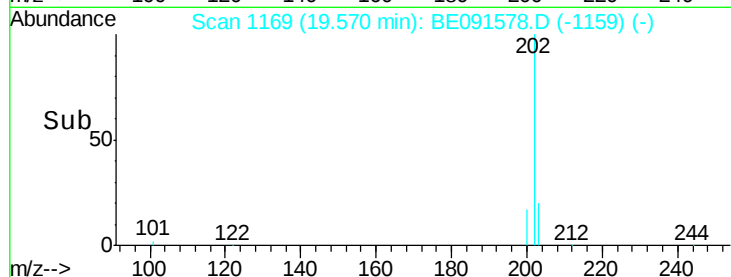
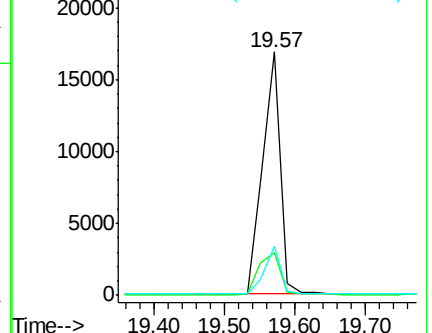
203 17.9 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Terphenyl-d14

Concen: 0.38 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

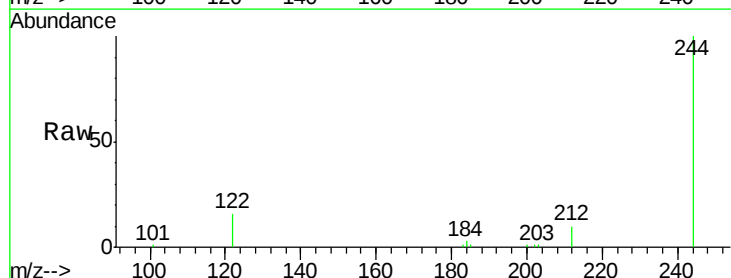
Tgt Ion:244 Resp: 18838

Ion Ratio Lower Upper

244 100

212 10.1 5.8 8.8#

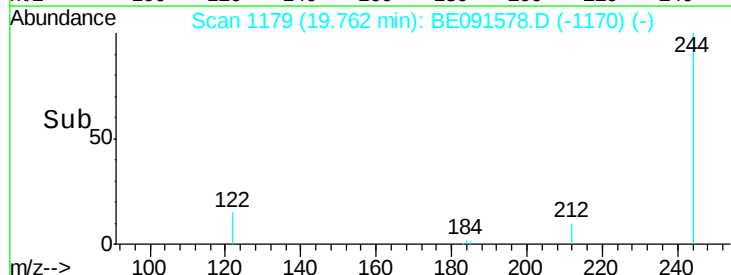
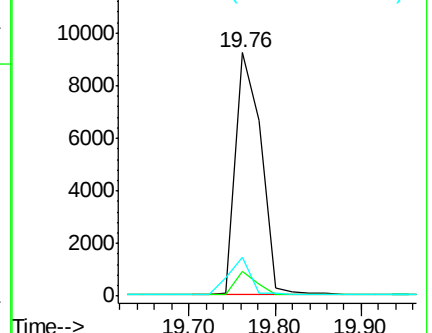
122 15.9 1.8 2.8#

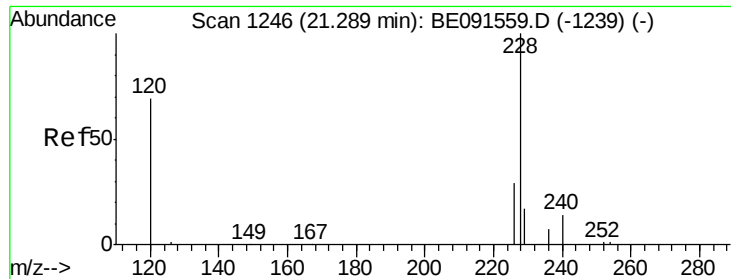


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

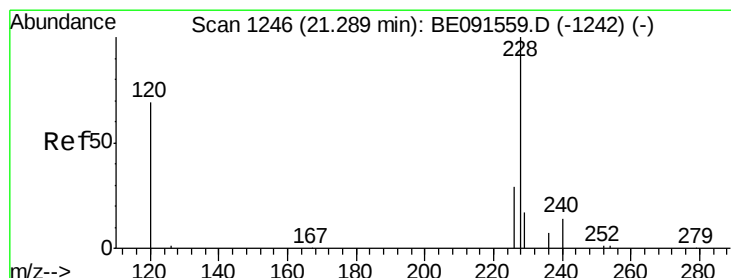
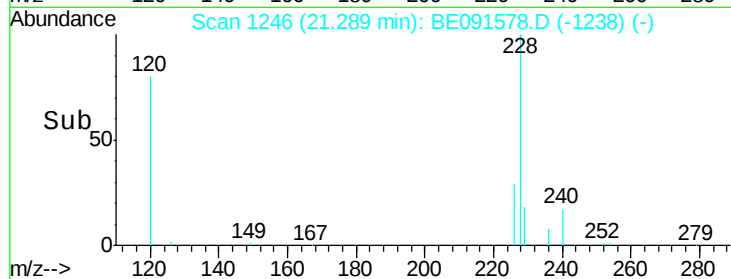
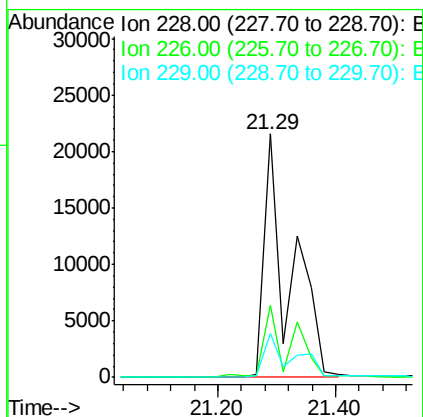
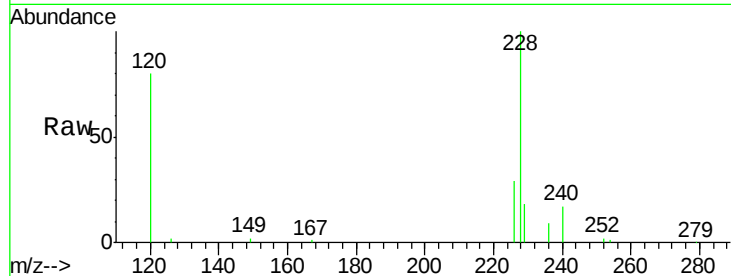




#25  
Benzo(a)anthracene  
Concen: 0.68 ng  
RT: 21.29 min Scan# 1246  
Delta R.T. -0.02 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

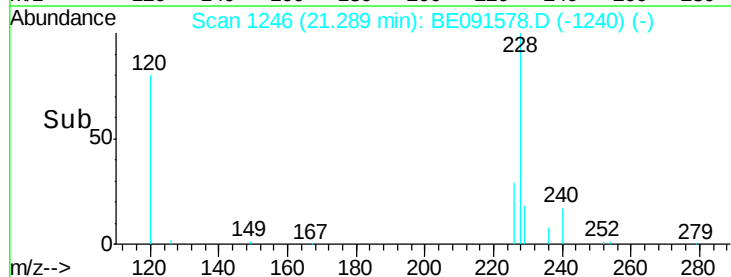
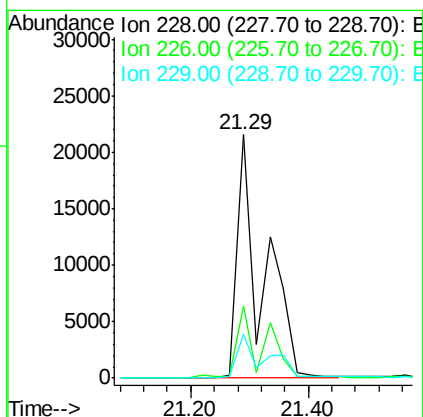
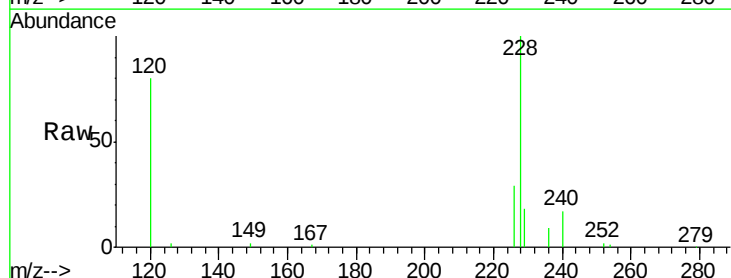
Instrument :  
BNA\_E  
ClientSampled :

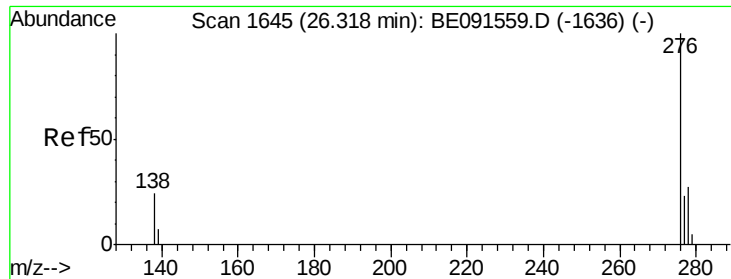
Tot Ion:228 Resp: 62954  
Ion Ratio Lower Upper  
228 100  
226 29.5 24.0 36.0  
229 18.2 13.8 20.6



#26  
Chrysene  
Concen: 0.80 ng  
RT: 21.29 min Scan# 1246  
Delta R.T. -0.07 min  
Lab File: BE091578.D  
Acq: 31 Mar 2016 10:15

Tgt Ion:228 Resp: 63232  
Ion Ratio Lower Upper  
228 100  
226 29.5 18.9 28.3#  
229 18.2 19.1 28.7#

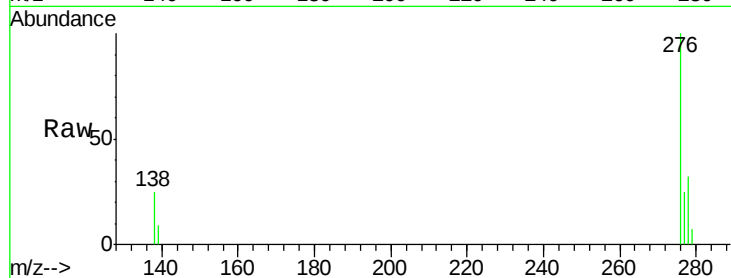




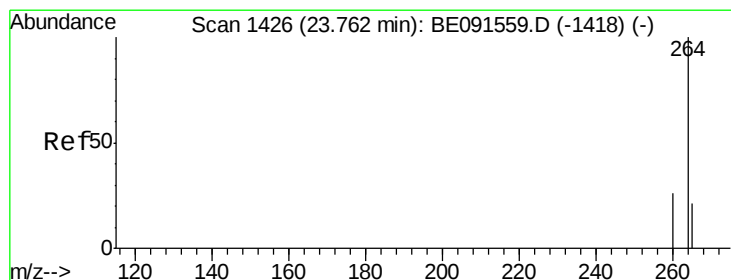
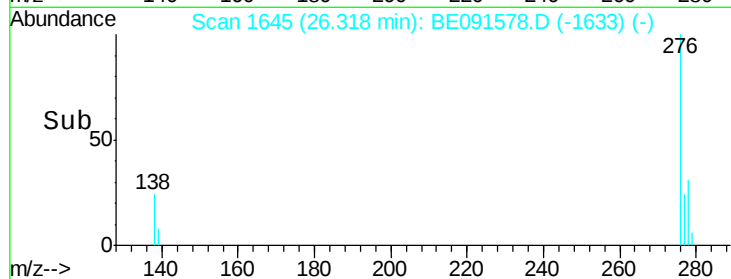
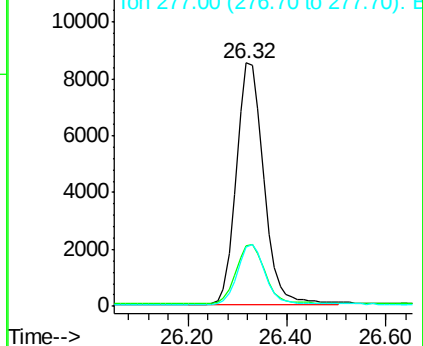
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.36 ng  
 RT: 26.32 min Scan# 1645  
 Delta R.T. -0.06 min  
 Lab File: BE091578.D  
 Acq: 31 Mar 2016 10:15

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:276 Resp: 33019  
 Ion Ratio Lower Upper  
 276 100  
 138 25.7 20.2 30.4  
 277 24.7 19.8 29.8

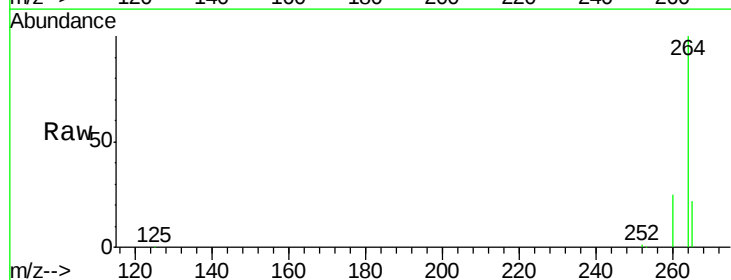


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

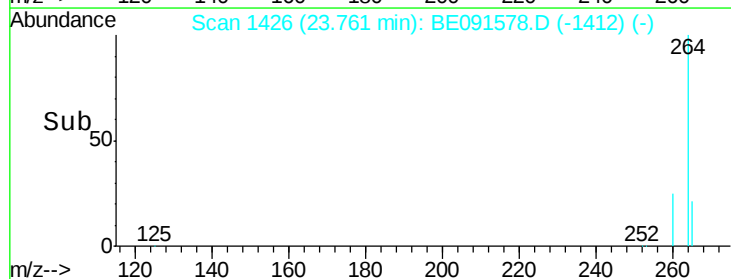
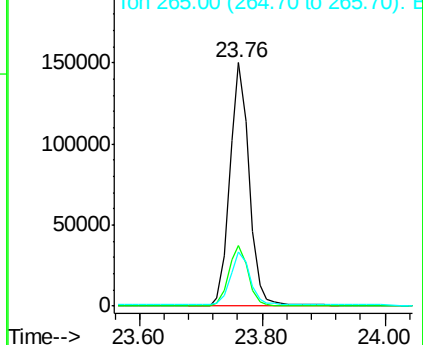


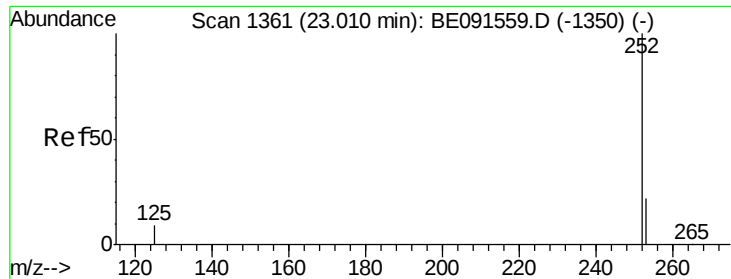
#28  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.76 min Scan# 1426  
 Delta R.T. -0.03 min  
 Lab File: BE091578.D  
 Acq: 31 Mar 2016 10:15

Tgt Ion:264 Resp: 329379  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 20.1 30.1  
 265 22.1 18.3 27.5



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





#29

Benzo(b)fluoranthene

Concen: 0.40 ng

RT: 23.01 min Scan# 1361

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

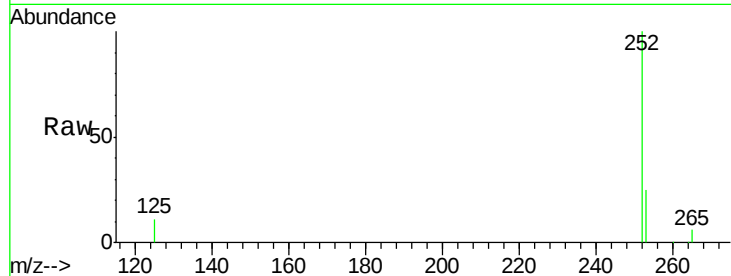
Tot Ion:252 Resp: 31789

Ion Ratio Lower Upper

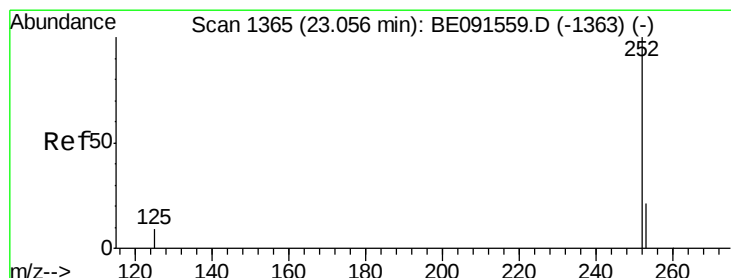
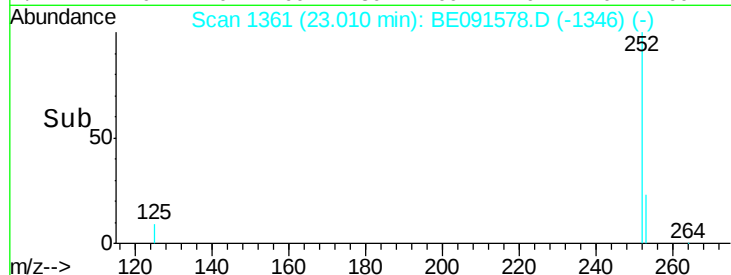
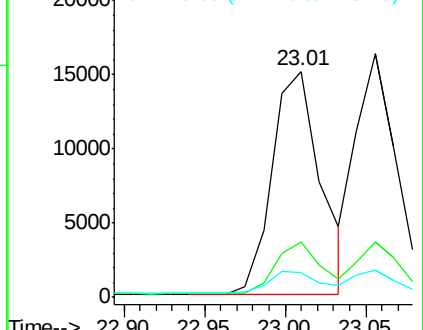
252 100

253 24.6 18.7 28.1

125 11.1 9.8 14.6



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



#30

Benzo(k)fluoranthene

Concen: 0.38 ng

RT: 23.06 min Scan# 1365

Delta R.T. -0.02 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

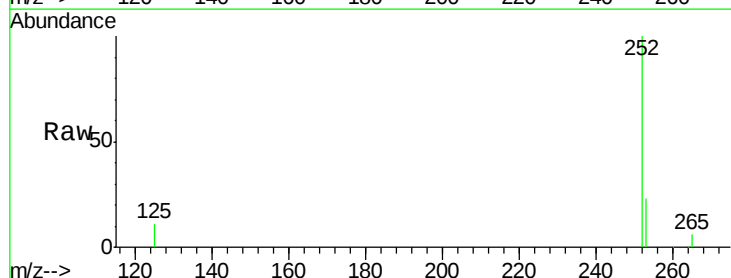
Tgt Ion:252 Resp: 29232

Ion Ratio Lower Upper

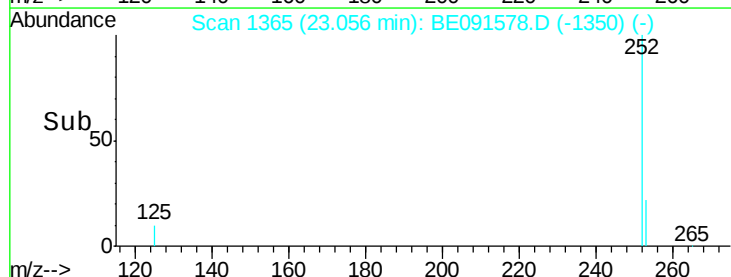
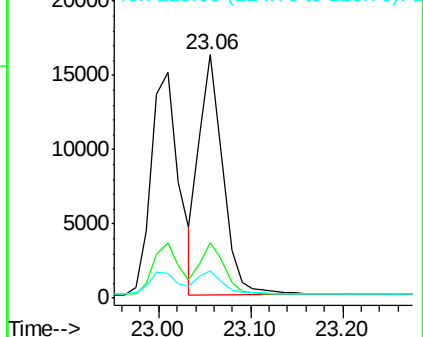
252 100

253 22.9 20.2 30.4

125 11.2 9.4 14.2



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





#31

Benzo(a)pyrene

Concen: 0.38 ng

RT: 23.65 min Scan# 1416

Delta R.T. -0.03 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :

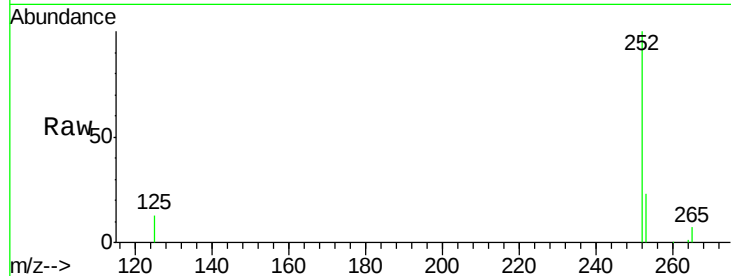
Tot Ion:252 Resp: 27813

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.0

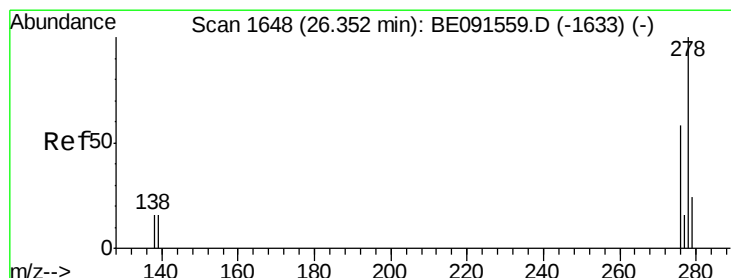
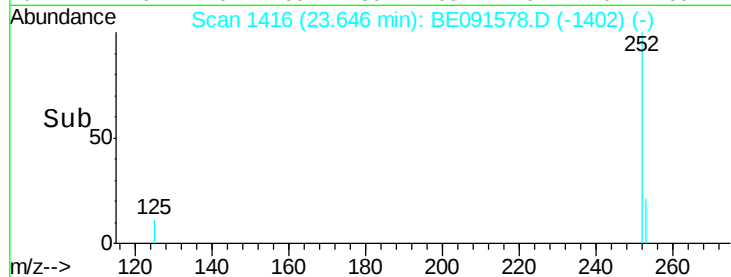
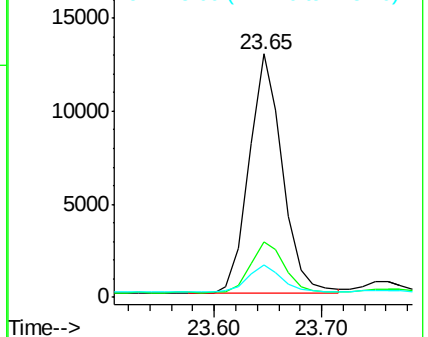
125 13.2 11.4 17.2



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



#32

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 26.35 min Scan# 1648

Delta R.T. -0.05 min

Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

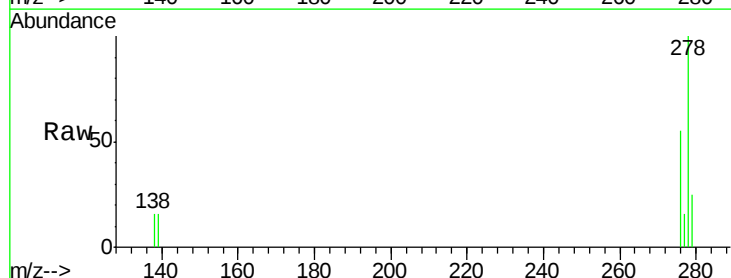
Tgt Ion:278 Resp: 27558

Ion Ratio Lower Upper

278 100

139 16.1 14.2 21.4

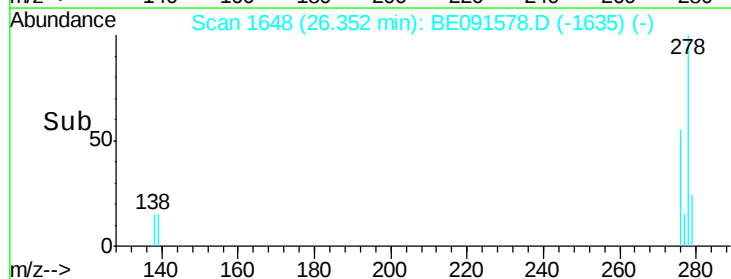
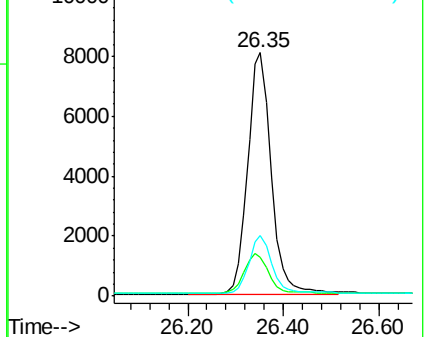
279 24.8 19.6 29.4

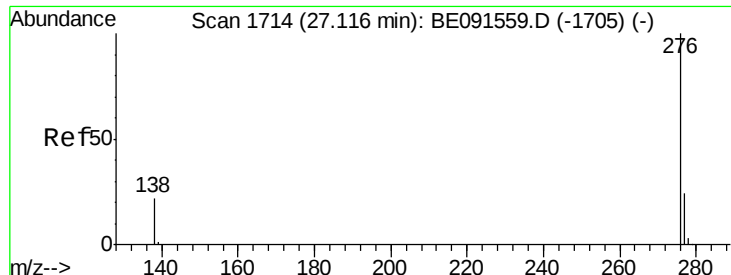


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(a,h,i)perylene

Concen: 0.39 ng

RT: 27.12 min Scan# 1714

Delta R.T. -0.05 min

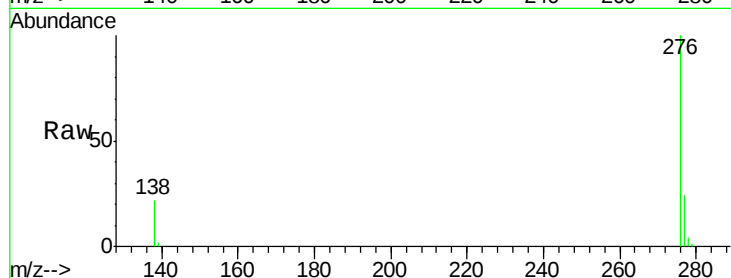
Lab File: BE091578.D

Acq: 31 Mar 2016 10:15

Instrument :

BNA\_E

ClientSampleId :



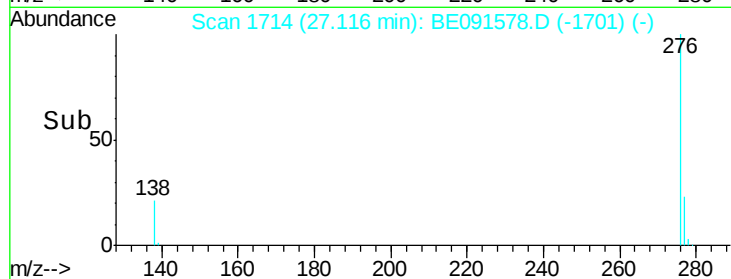
Tot Ion: 276 Resp: 28356

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 21.9 18.2 27.4



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

