

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF012617\  
 Data File : BF092576.D  
 Acq On : 27 Jan 2017 14:44  
 Operator : SJ/MA  
 Sample : I1312-07RE 2X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-BALLARD01-0-2

Quant Time: Jan 27 16:17:04 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 167412   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.27  | 136  | 657666   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.03 | 164  | 305083   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.52 | 188  | 434493   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.17 | 240  | 364644   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.67 | 264  | 249885   | 20.00 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.58  | 112  | 394699   | 36.68 | ng    | 0.03     |
| 7) Phenol-d6                | 6.62  | 99   | 531944   | 38.81 | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 323610   | 26.88 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.83 | 330  | 70402    | 33.86 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 519804   | 31.51 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 381476   | 27.86 | ng    | -0.01    |

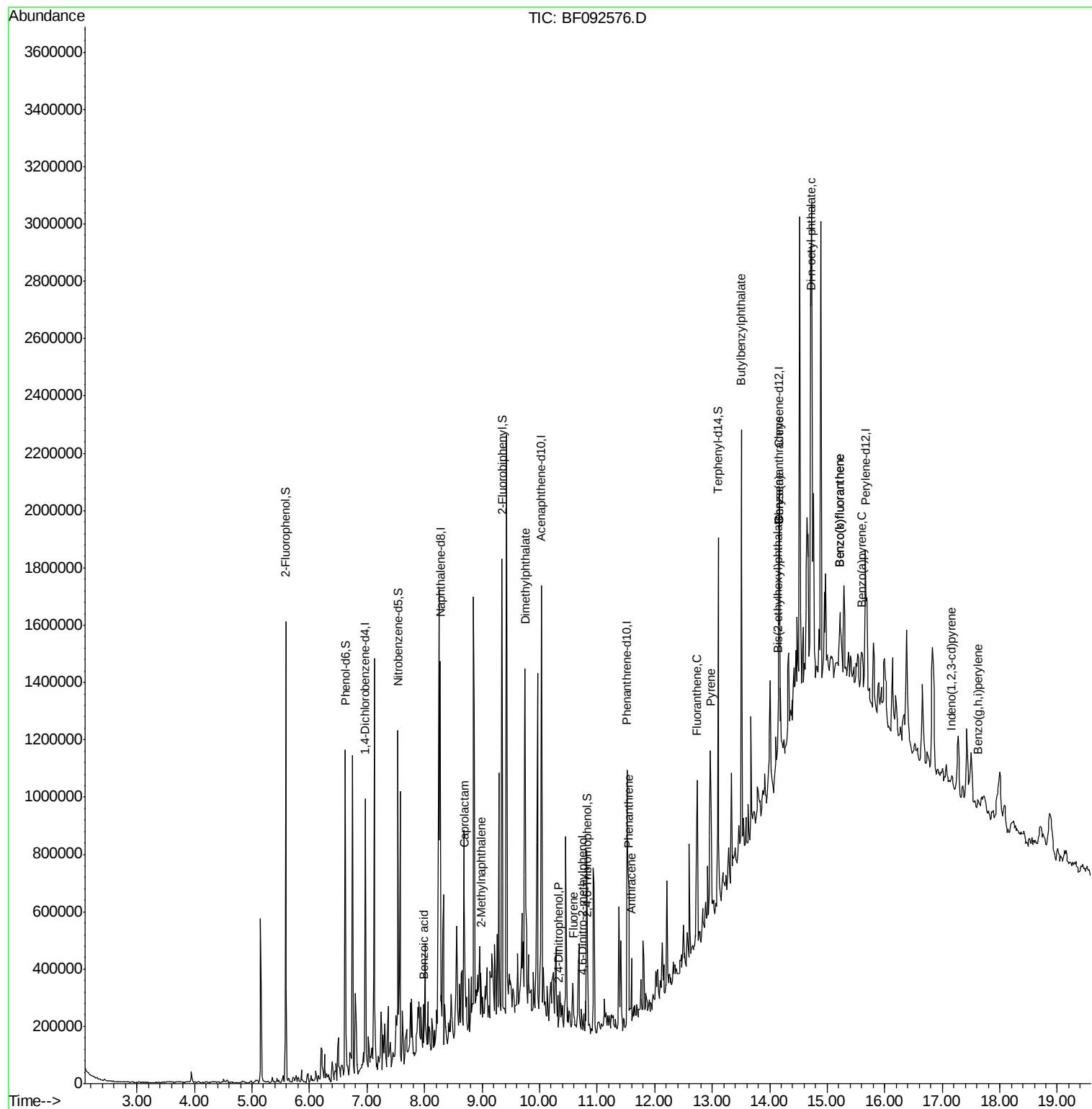
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 32) Benzoic acid               | 8.00  | 122  | 215      | 4.72  | ng    | # 1    |
| 35) Caprolactam                | 8.69  | 113  | 18938    | 5.95  | ng    | # 1    |
| 37) 2-Methylnaphthalene        | 8.98  | 142  | 61115    | 2.87  | ng    | 96     |
| 49) Dimethylphthalate          | 9.74  | 163  | 101905   | 5.25  | ng    | 98     |
| 53) 2,4-Dinitrophenol          | 10.33 | 184  | 761      | 3.45  | ng    | # 36   |
| 57) Fluorene                   | 10.58 | 166  | 34030    | 2.06  | ng    | 97     |
| 64) 4,6-Dinitro-2-methylphenol | 10.74 | 198  | 217      | 5.03  | ng    | # 1    |
| 70) Phenanthrene               | 11.55 | 178  | 284142   | 11.88 | ng    | 96     |
| 71) Anthracene                 | 11.60 | 178  | 82635    | 3.53  | ng    | 98     |
| 74) Fluoranthene               | 12.74 | 202  | 294596   | 12.59 | ng    | 92     |
| 77) Pyrene                     | 12.97 | 202  | 255387   | 9.67  | ng    | 98     |
| 79) Butylbenzylphthalate       | 13.51 | 149  | 987496   | 92.26 | ng    | # 19   |
| 80) Benzo(a)anthracene         | 14.16 | 228  | 104143   | 5.31  | ng    | 95     |
| 82) Chrysene                   | 14.16 | 228  | 104143   | 4.98  | ng    | 95     |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149  | 78896    | 5.85  | ng    | # 92   |
| 84) Di-n-octyl phthalate       | 14.73 | 149  | 857619   | 35.05 | ng    | # 78   |
| 85) Indeno(1,2,3-cd)pyrene     | 17.16 | 276  | 33762    | 2.18  | ng    | # 82   |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 129069   | 8.05  | ng    | # 81   |
| 88) Benzo(k)fluoranthene       | 15.22 | 252  | 129069   | 9.68  | ng    | # 81   |
| 89) Benzo(a)pyrene             | 15.60 | 252  | 56559    | 4.17  | ng    | # 75   |
| 91) Benzo(g,h,i)perylene       | 17.62 | 276  | 33710    | 3.04  | ng    | # 74   |

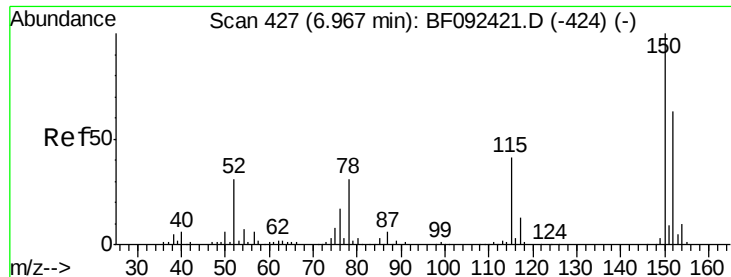
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF012617\  
Data File : BF092576.D  
Acq On : 27 Jan 2017 14:44  
Operator : SJ/MA  
Sample : I1312-07RE 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

Quant Time: Jan 27 16:17:04 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 24 13:48:07 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

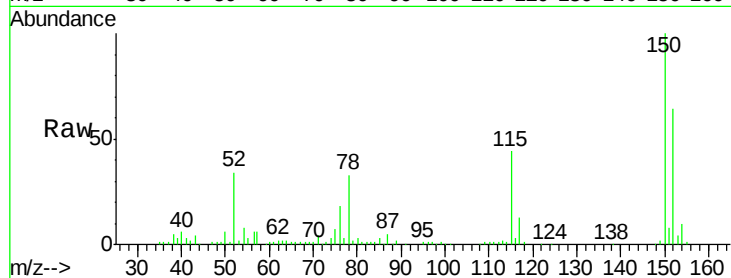
Tgt Ion:152 Resp: 167412

Ion Ratio Lower Upper

152 100

150 157.0 124.9 187.3

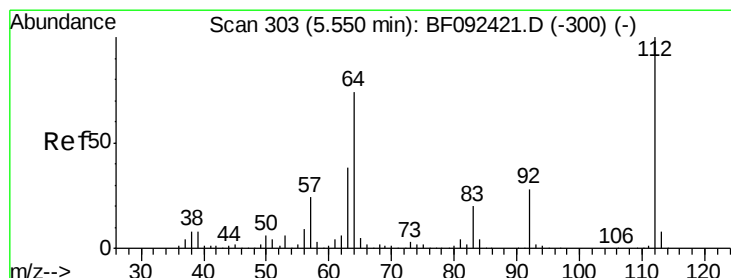
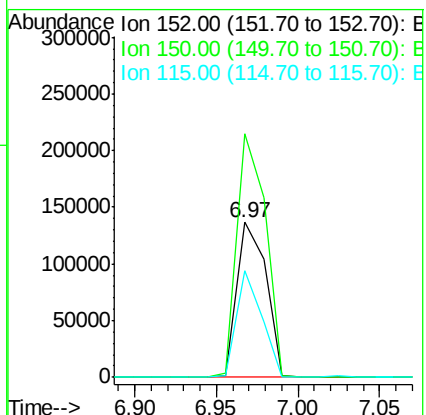
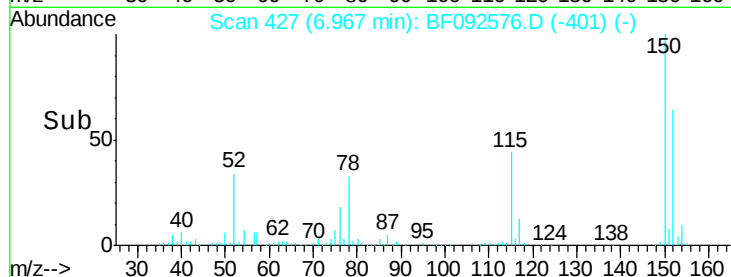
115 68.7 46.0 69.0



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



#5

2-Fluorophenol

Concen: 36.68 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.03 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

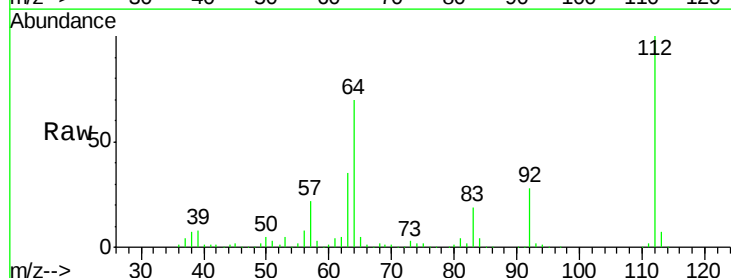
Tgt Ion:112 Resp: 394699

Ion Ratio Lower Upper

112 100

64 69.7 46.1 69.1#

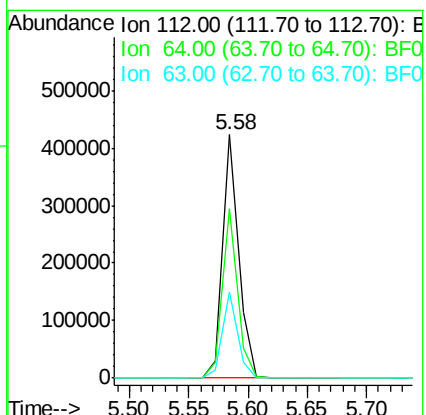
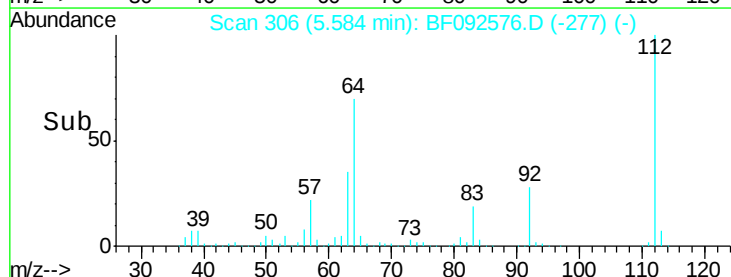
63 35.4 23.8 35.6

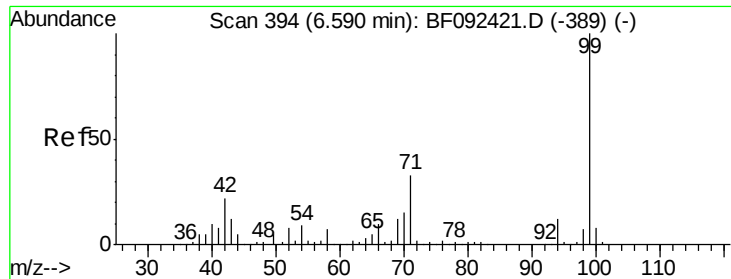


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.81 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

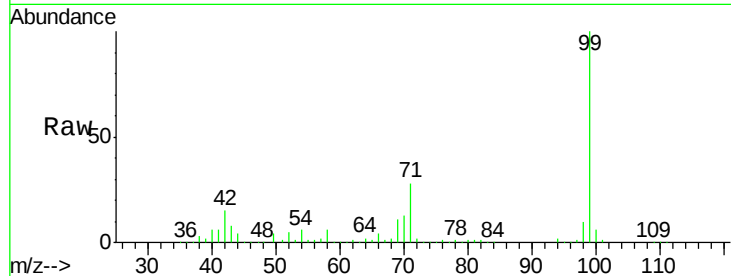
Tgt Ion: 99 Resp: 531944

Ion Ratio Lower Upper

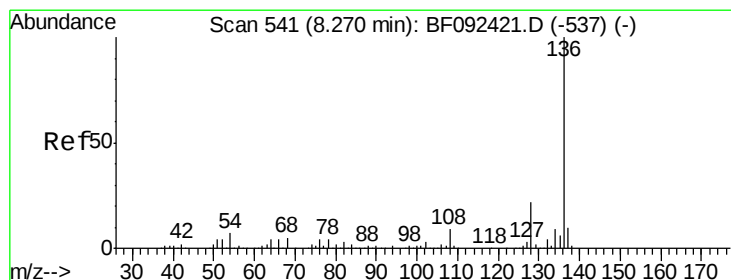
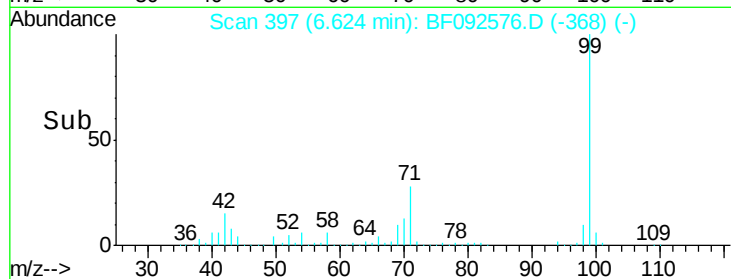
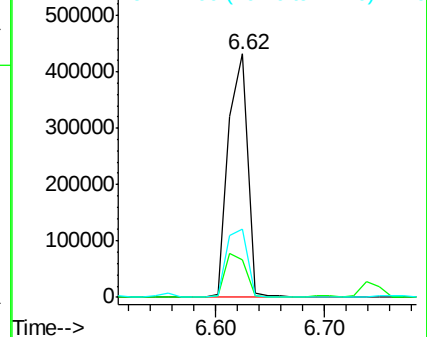
99 100

42 15.3 15.6 23.4#

71 28.1 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Tgt Ion: 136 Resp: 657666

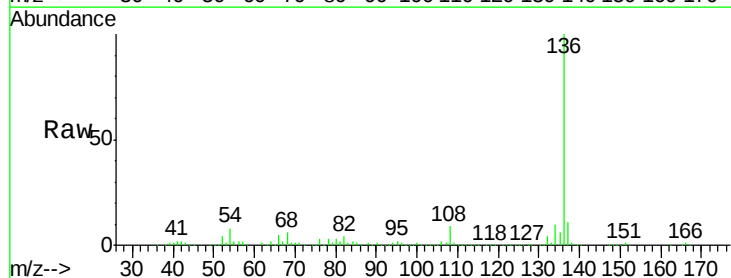
Ion Ratio Lower Upper

136 100

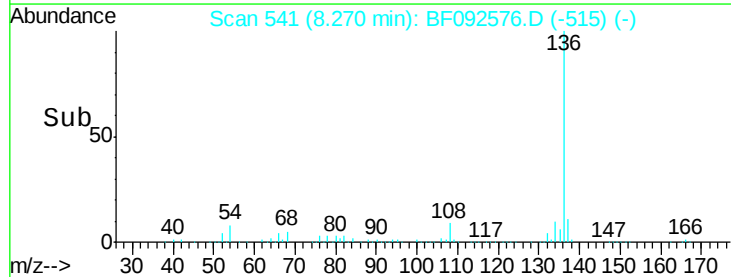
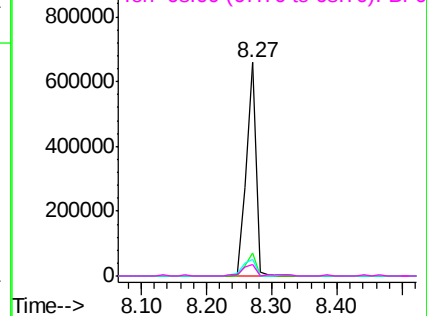
137 10.8 8.4 12.6

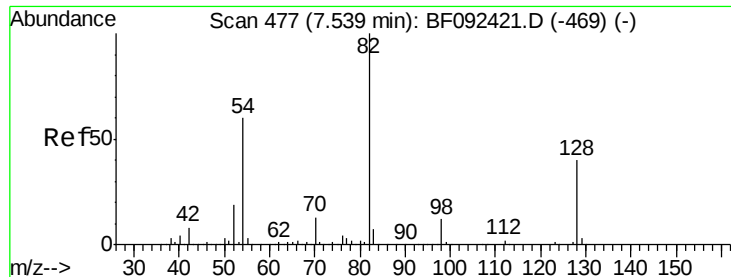
54 8.0 4.5 6.7#

68 5.6 3.6 5.4#



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

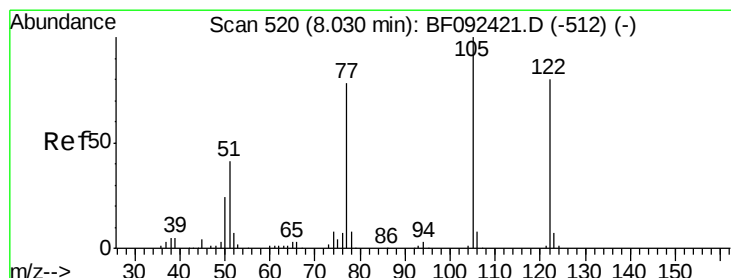
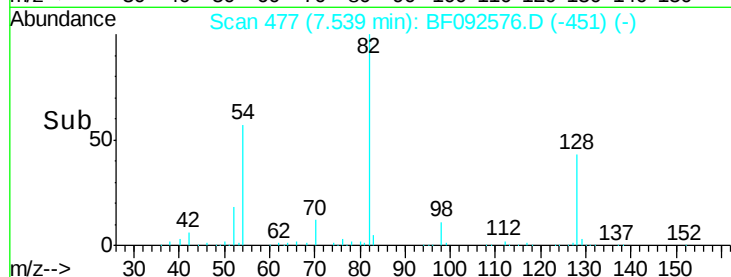
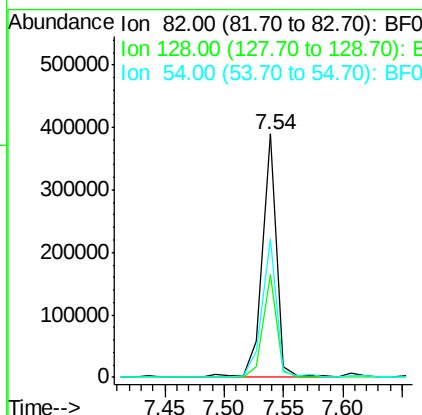
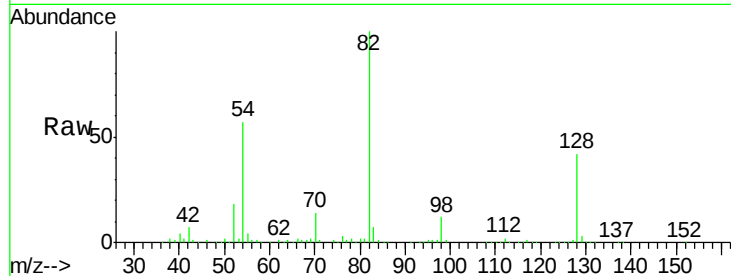




#23  
 Nitrobenzene-d5  
 Concen: 26.88 ng  
 RT: 7.54 min Scan# 477  
 Delta R.T. -0.00 min  
 Lab File: BF092576.D  
 Acq: 27 Jan 2017 14:44

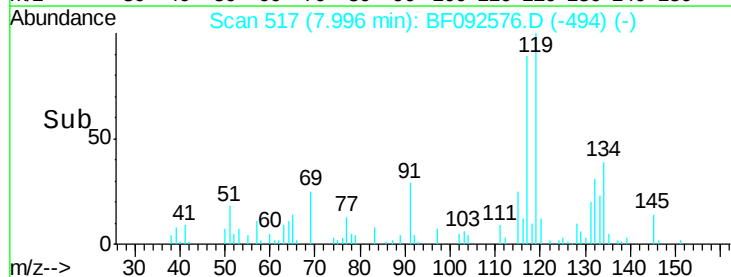
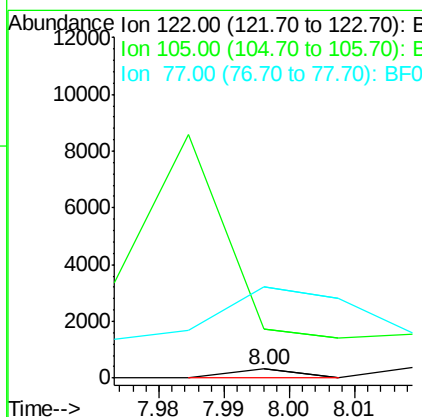
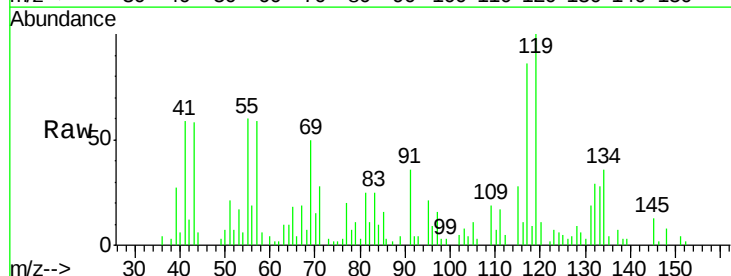
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-BALLARD01-0-2

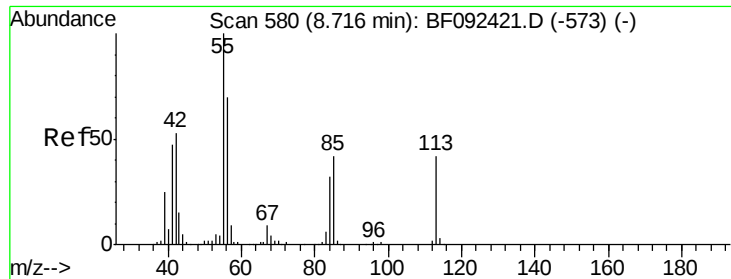
Tgt Ion: 82 Resp: 323610  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 34.6 52.0  
 54 57.0 39.5 59.3



#32  
 Benzoic acid  
 Concen: 4.72 ng  
 RT: 8.00 min Scan# 517  
 Delta R.T. -0.03 min  
 Lab File: BF092576.D  
 Acq: 27 Jan 2017 14:44

Tgt Ion: 122 Resp: 215  
 Ion Ratio Lower Upper  
 122 100  
 105 556.2 107.2 147.2#  
 77 1021.7 74.5 114.5#





#35

Caprolactam

Concen: 5.95 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

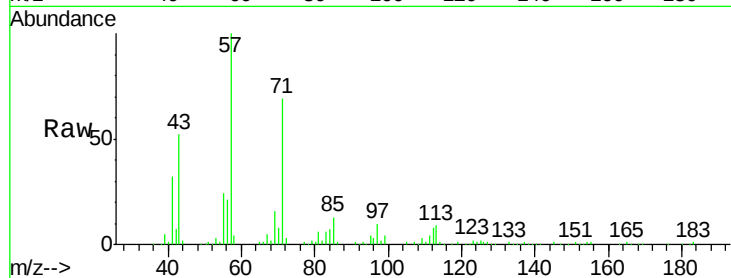
Tgt Ion:113 Resp: 18938

Ion Ratio Lower Upper

113 100

55 260.0 119.2 159.2#

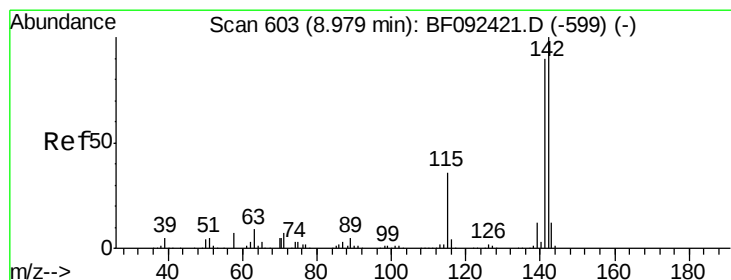
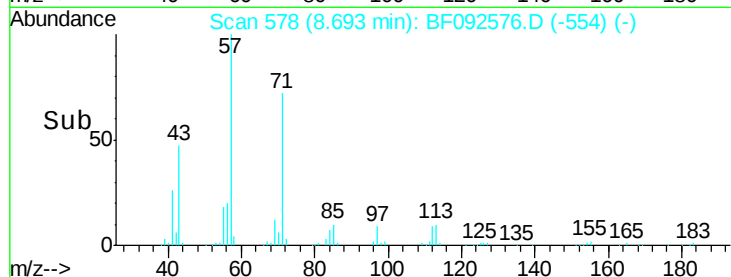
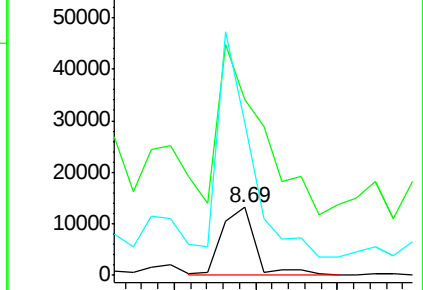
56 225.9 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 2.87 ng

RT: 8.98 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

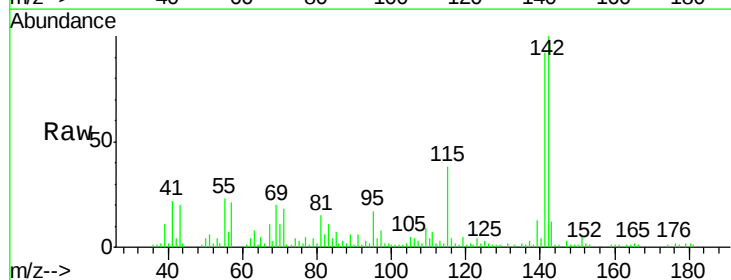
Tgt Ion:142 Resp: 61115

Ion Ratio Lower Upper

142 100

141 92.4 71.0 106.6

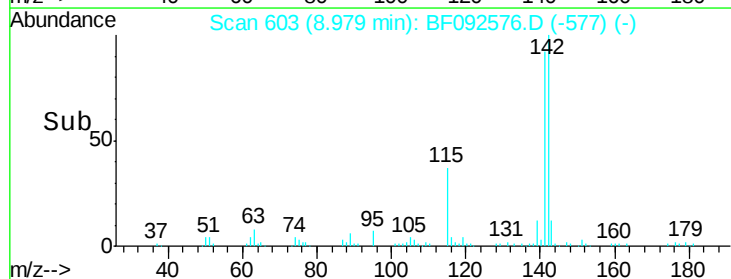
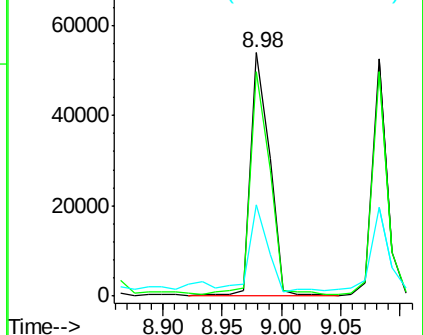
115 37.6 28.3 42.5

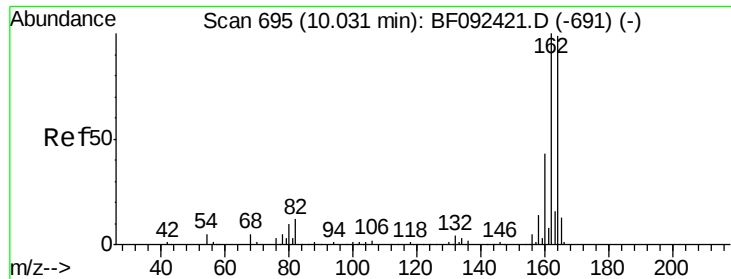


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

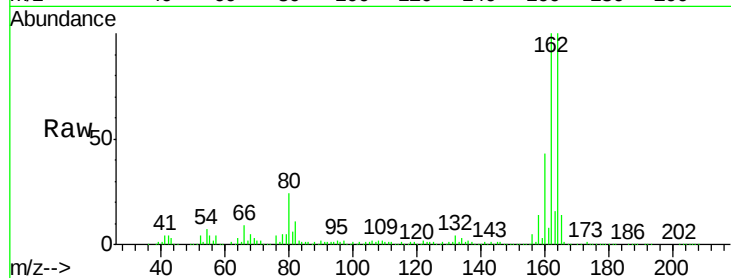
Tgt Ion:164 Resp: 305083

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

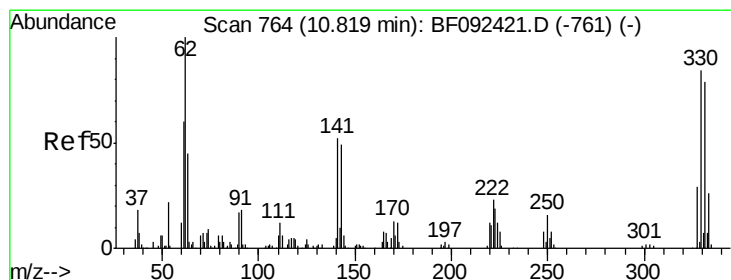
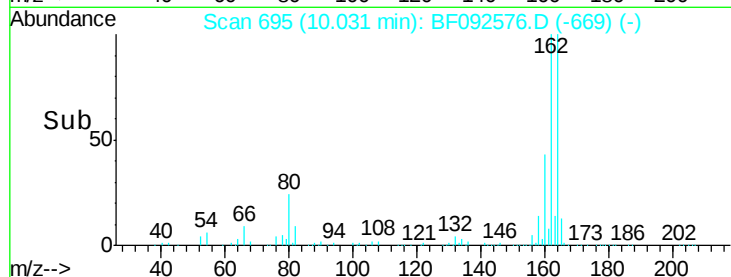
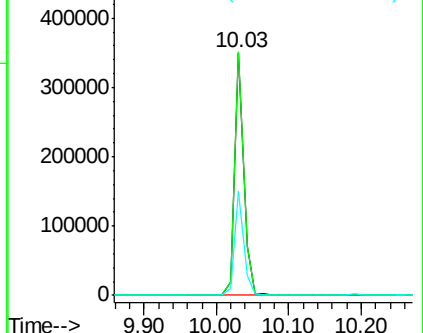
160 42.8 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 33.86 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

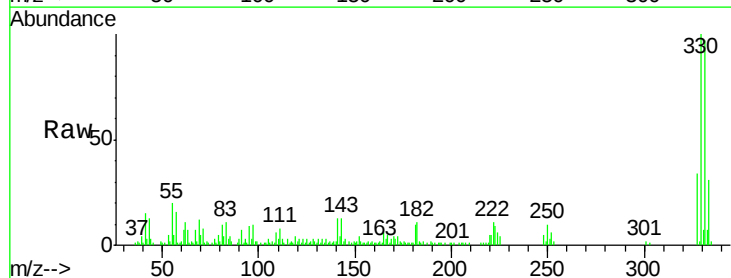
Tgt Ion:330 Resp: 70402

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

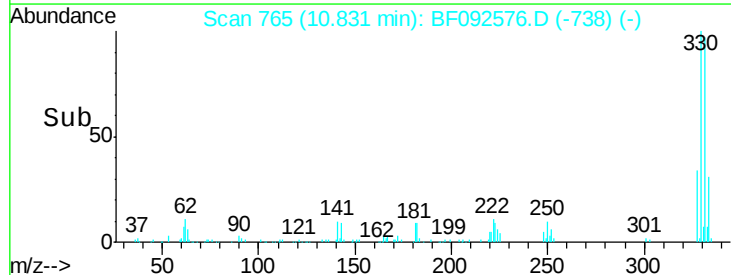
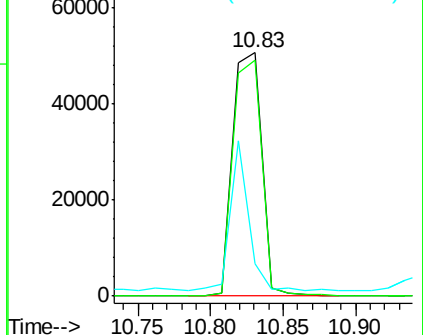
141 39.4 34.1 51.1

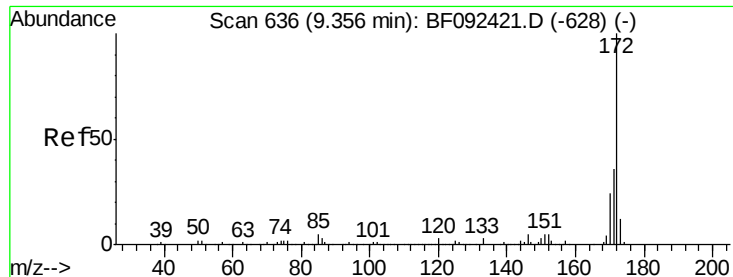


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 31.51 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

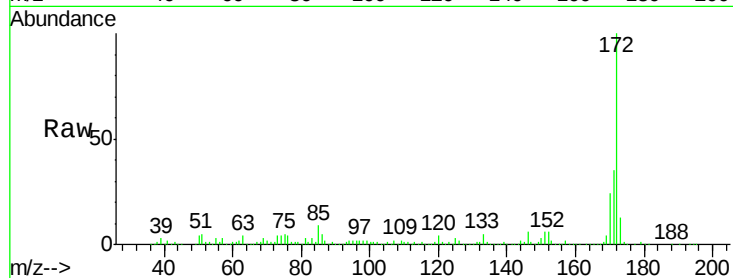
Tgt Ion:172 Resp: 519804

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

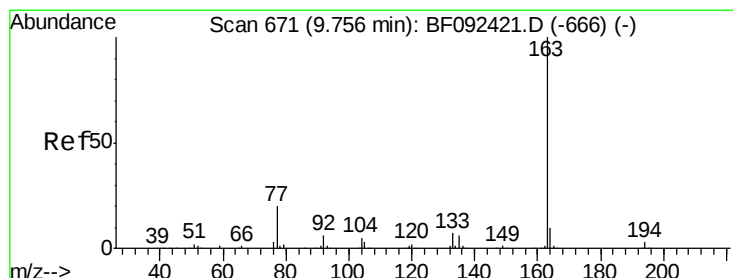
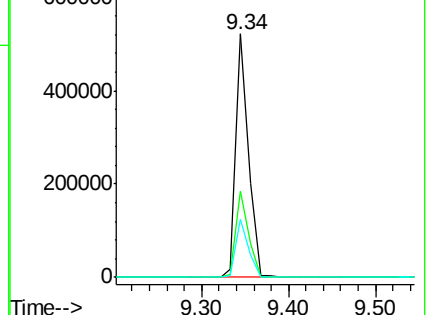
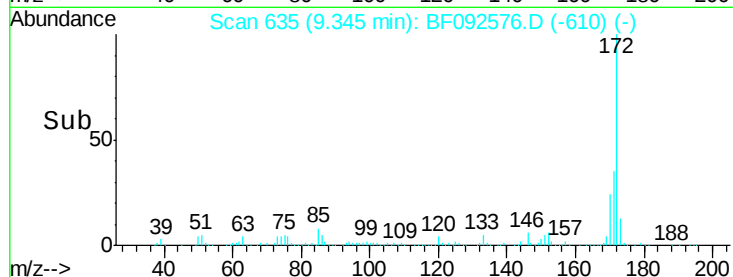
170 24.1 20.2 30.4



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



#49

Dimethylphthalate

Concen: 5.25 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

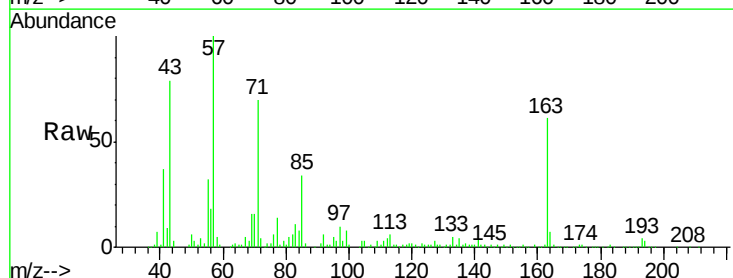
Tgt Ion:163 Resp: 101905

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.4

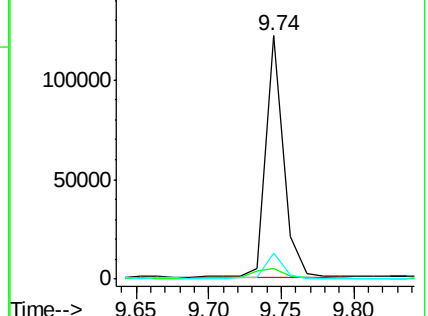
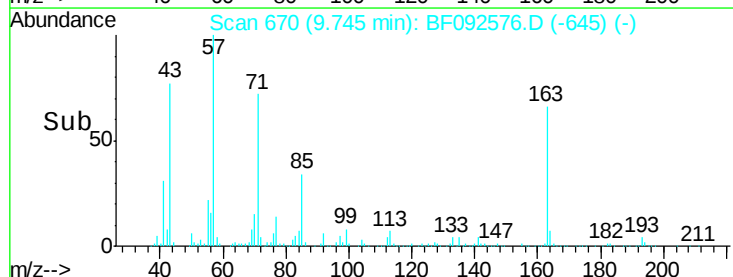
164 10.7 8.0 12.0

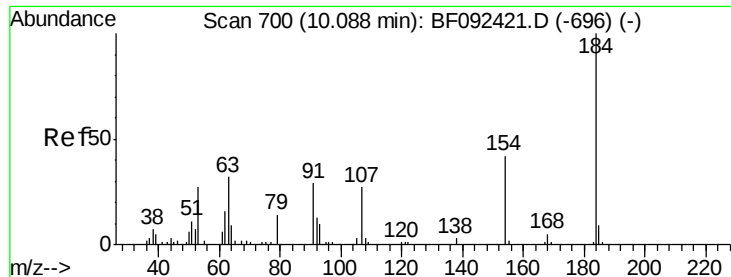


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

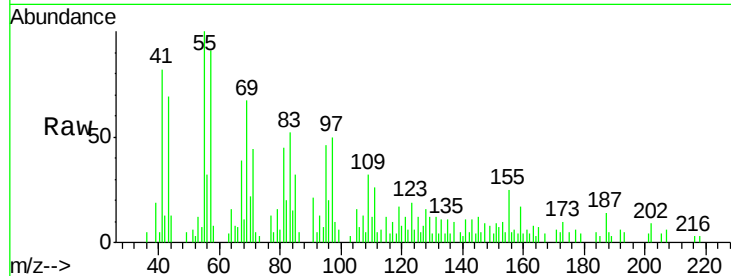




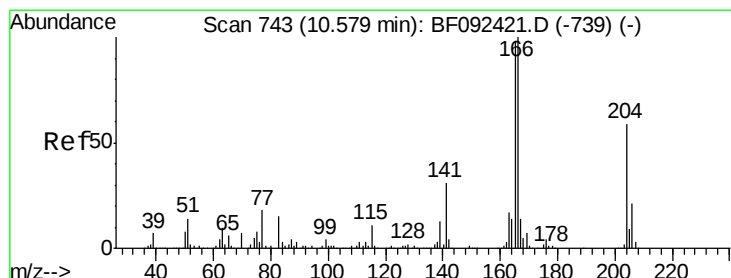
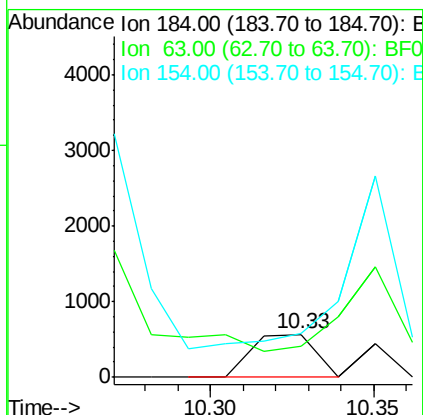
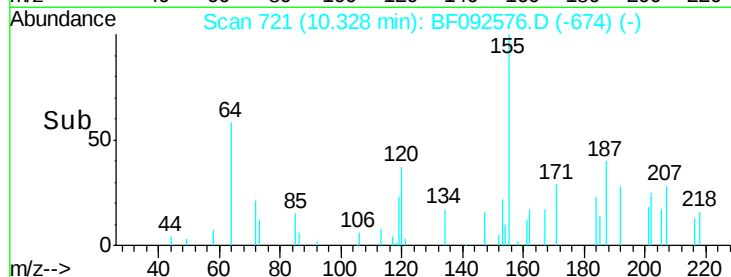
#53  
2,4-Dinitrophenol  
Concen: 3.45 ng  
RT: 10.33 min Scan# 721  
Delta R.T. 0.24 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

Tgt Ion:184 Resp: 761  
Ion Ratio Lower Upper  
184 100  
63 71.1 28.4 42.6#  
154 102.8 44.3 66.5#

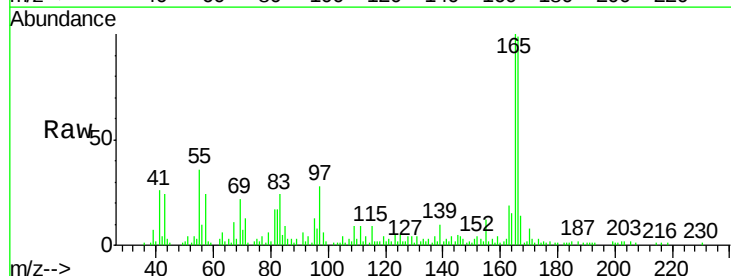


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

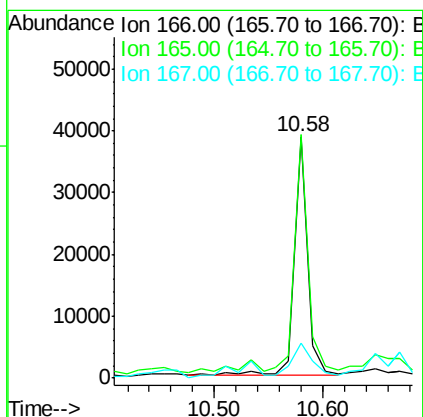
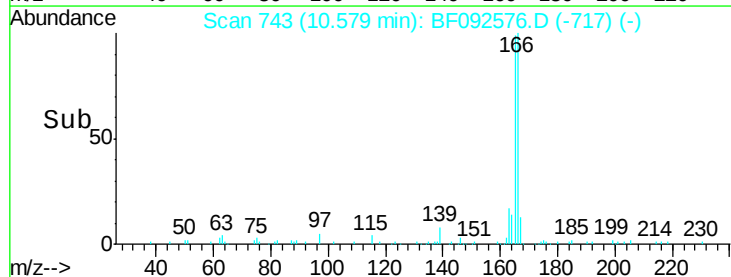


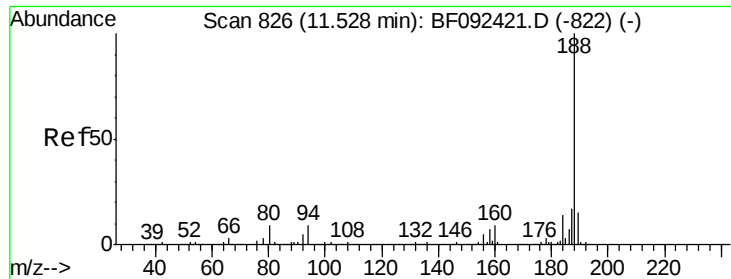
#57  
Fluorene  
Concen: 2.06 ng  
RT: 10.58 min Scan# 743  
Delta R.T. -0.00 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

Tgt Ion:166 Resp: 34030  
Ion Ratio Lower Upper  
166 100  
165 100.8 77.8 116.8  
167 14.4 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

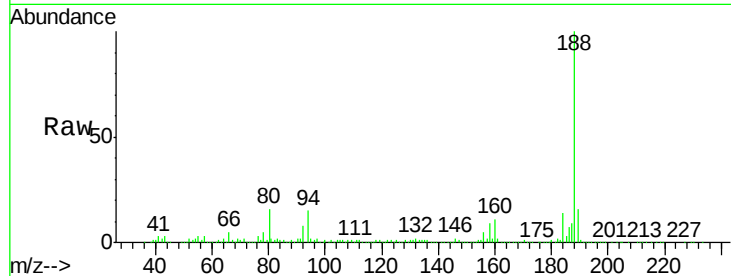
Tgt Ion:188 Resp: 434493

Ion Ratio Lower Upper

188 100

94 14.7 10.0 15.0

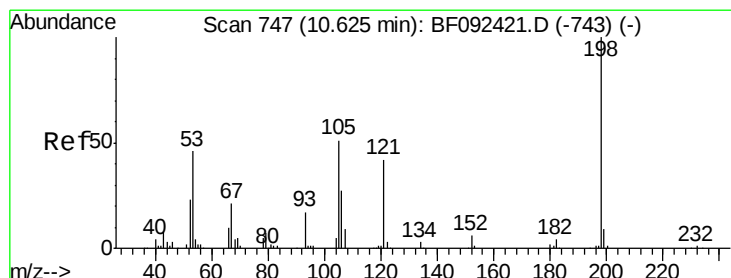
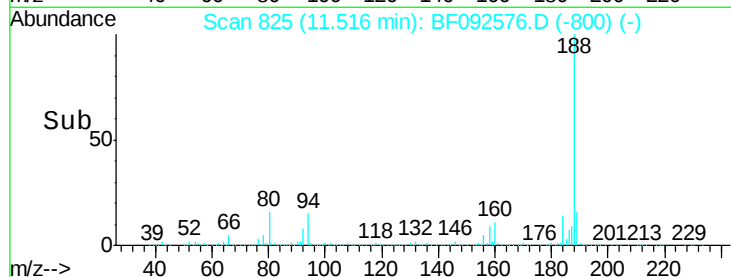
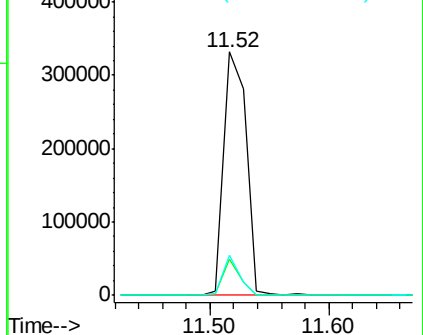
80 16.2 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 5.03 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.12 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

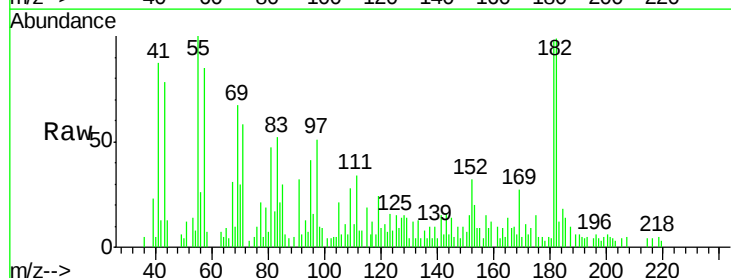
Tgt Ion:198 Resp: 217

Ion Ratio Lower Upper

198 100

51 376.0 6.7 46.7#

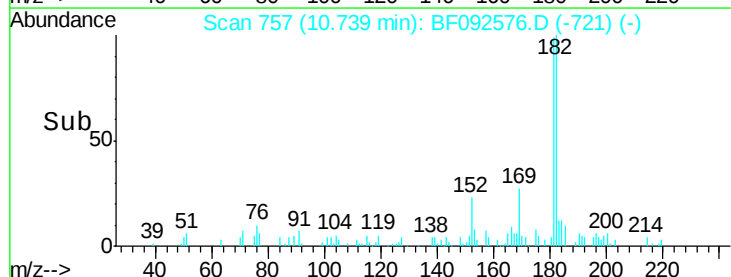
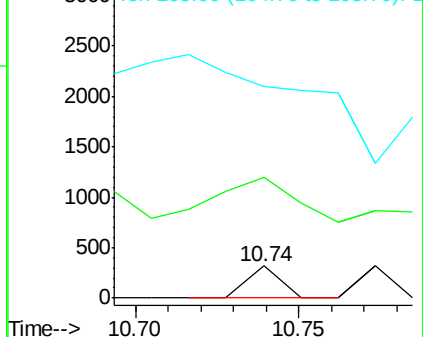
105 660.3 16.6 56.6#

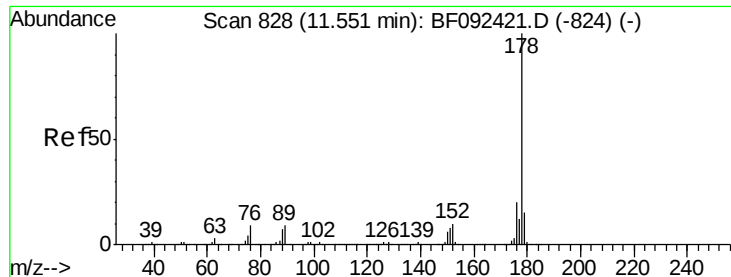


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

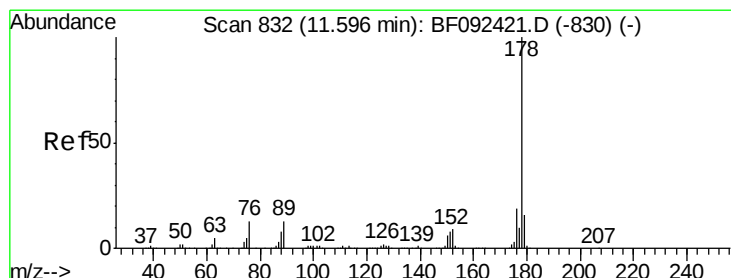
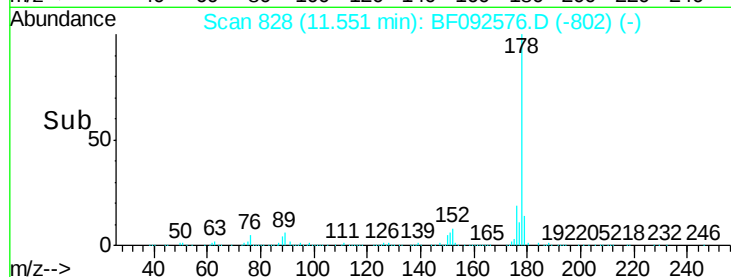
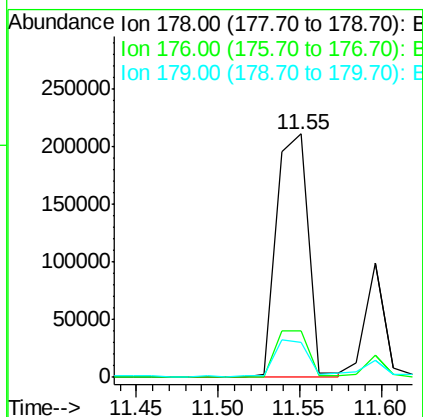
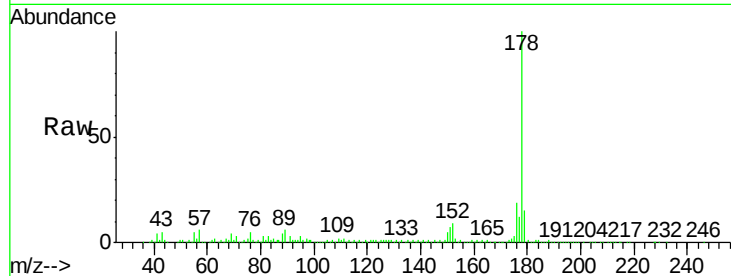




#70  
Phenanthrene  
Concen: 11.88 ng  
RT: 11.55 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

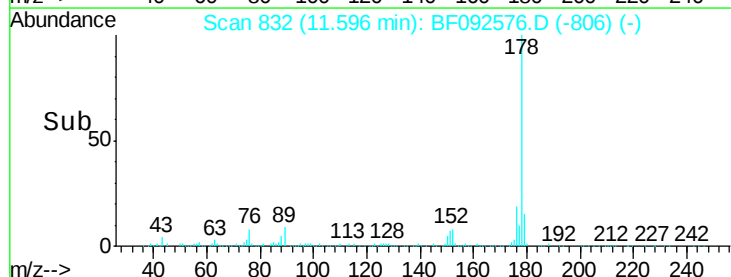
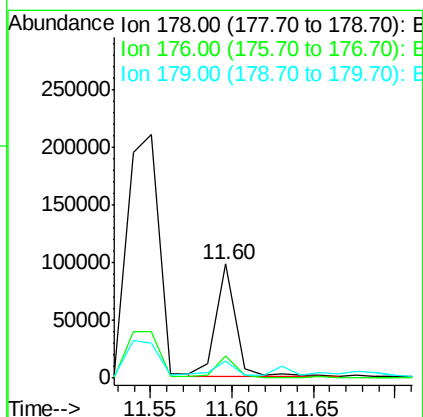
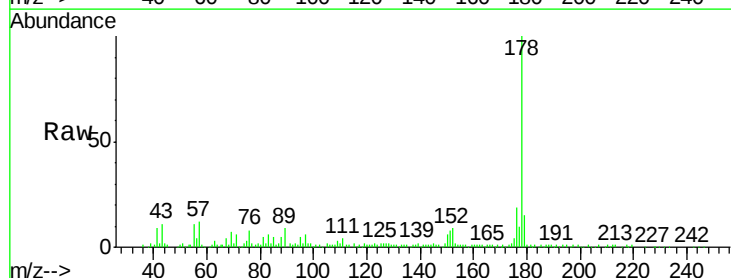
Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

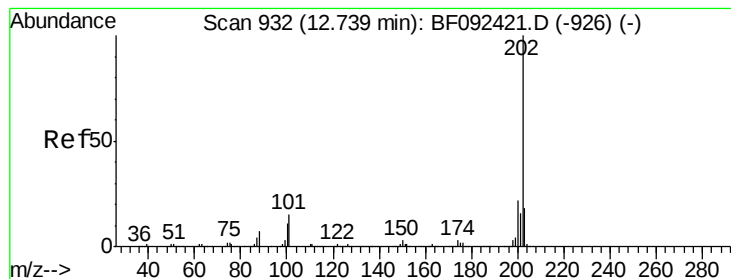
Tgt Ion:178 Resp: 284142  
Ion Ratio Lower Upper  
178 100  
176 19.0 16.6 25.0  
179 14.6 12.8 19.2



#71  
Anthracene  
Concen: 3.53 ng  
RT: 11.60 min Scan# 832  
Delta R.T. -0.00 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

Tgt Ion:178 Resp: 82635  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.9 23.9  
179 15.4 13.2 19.8





#74

Fluoranthene

Concen: 12.59 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

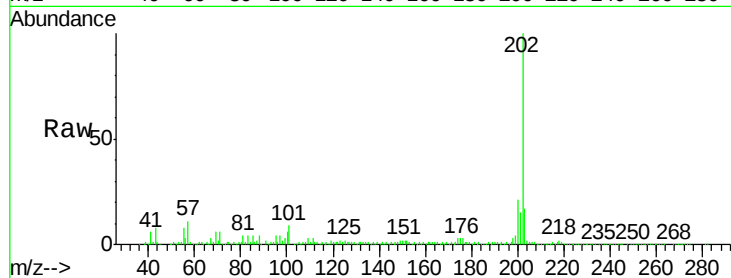
Tgt Ion:202 Resp: 294596

Ion Ratio Lower Upper

202 100

101 8.9 0.0 34.6

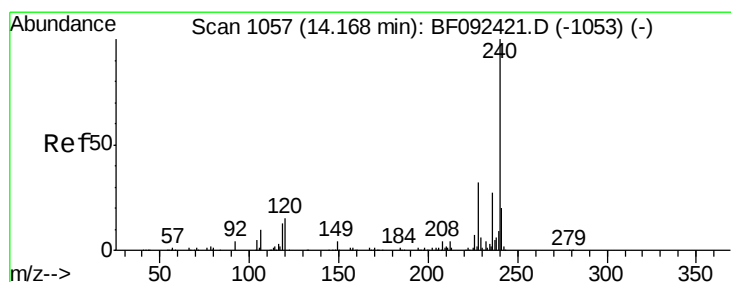
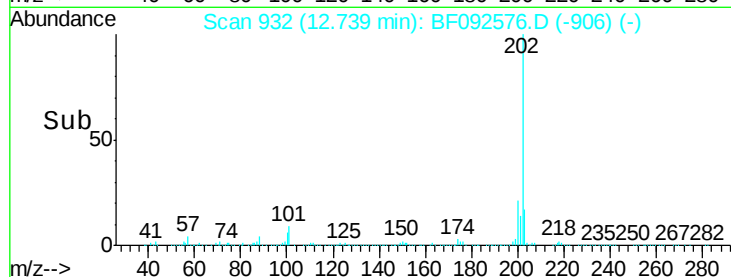
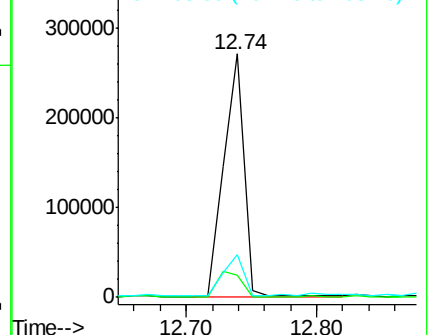
203 17.3 0.0 38.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

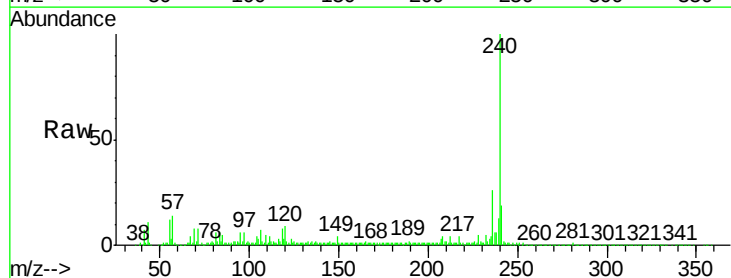
Tgt Ion:240 Resp: 364644

Ion Ratio Lower Upper

240 100

120 9.4 12.9 19.3#

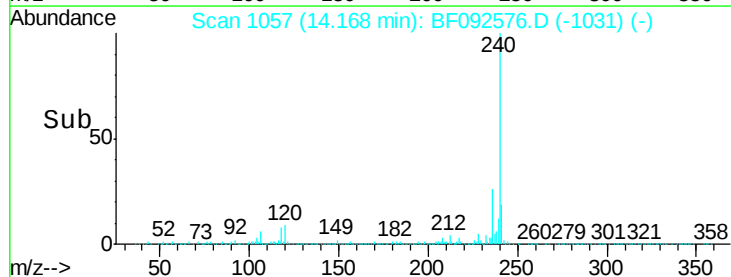
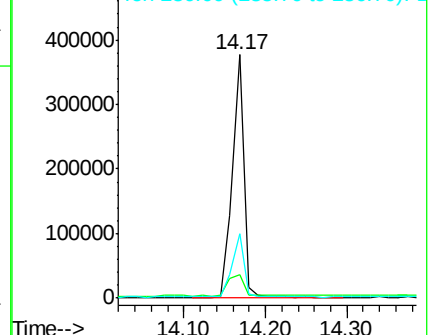
236 26.5 20.9 31.3

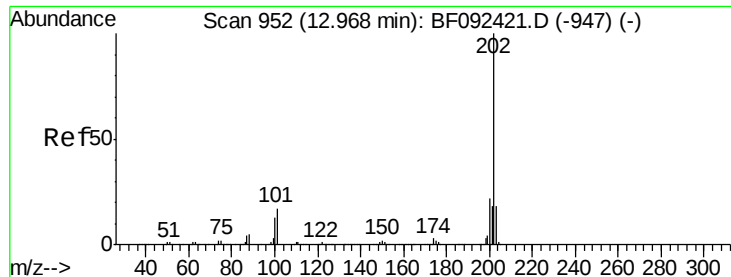


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.67 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

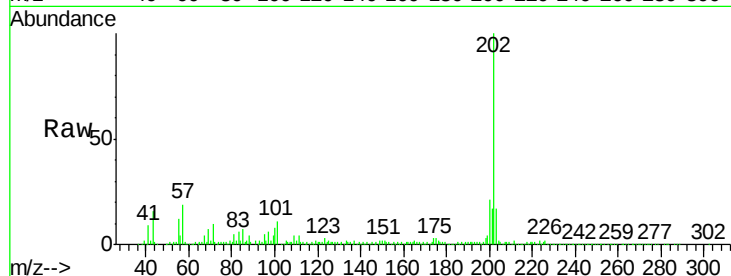
Tgt Ion:202 Resp: 255387

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

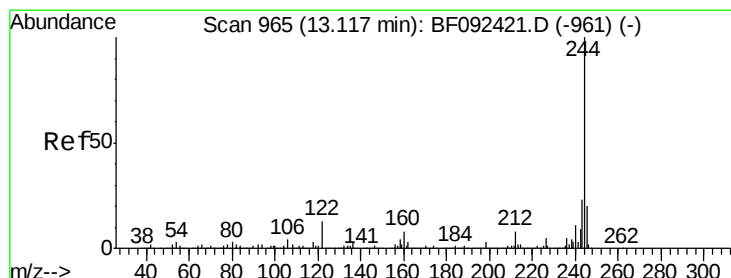
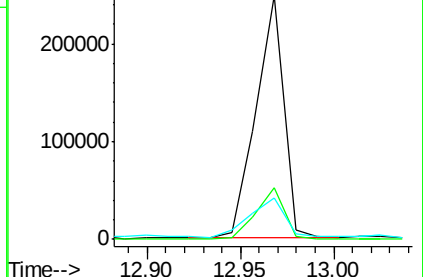
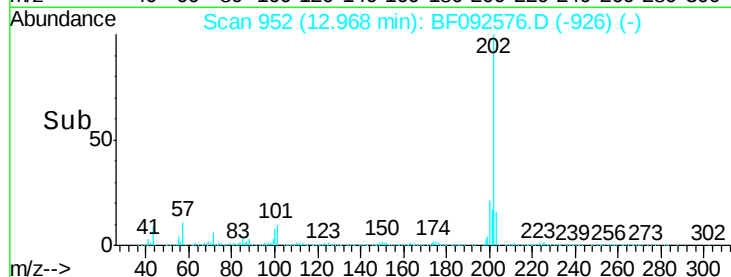
203 17.2 14.7 22.1



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



#78

Terphenyl-d14

Concen: 27.86 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

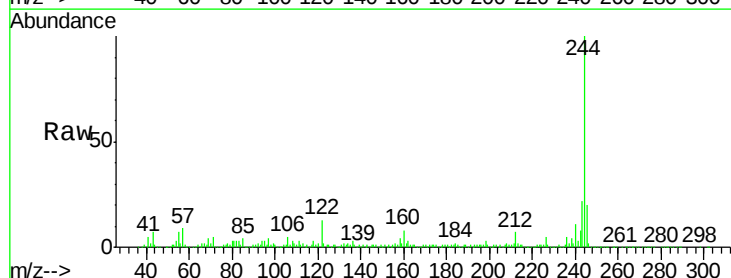
Tgt Ion:244 Resp: 381476

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

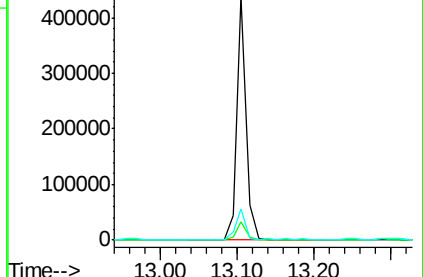
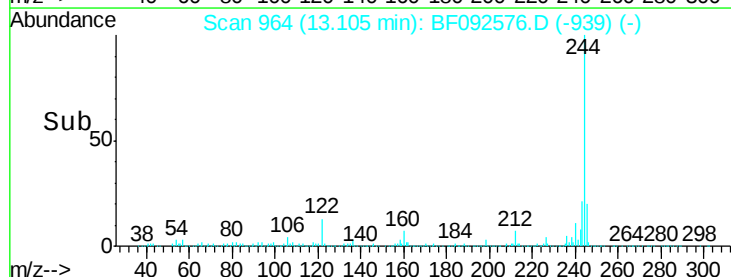
122 12.9 11.4 17.2

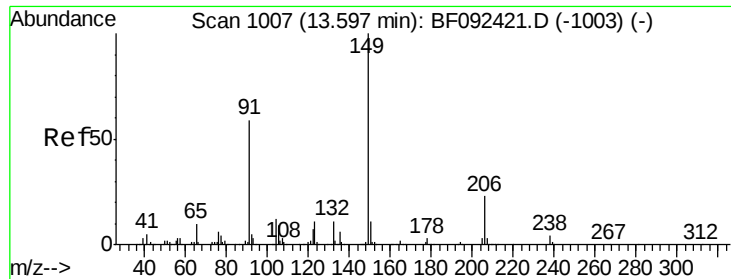


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 92.26 ng

RT: 13.51 min Scan# 999

Delta R.T. -0.09 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

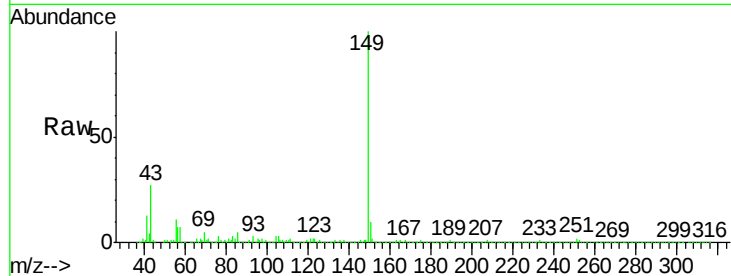
Tgt Ion:149 Resp: 987496

Ion Ratio Lower Upper

149 100

91 0.8 63.9 95.9#

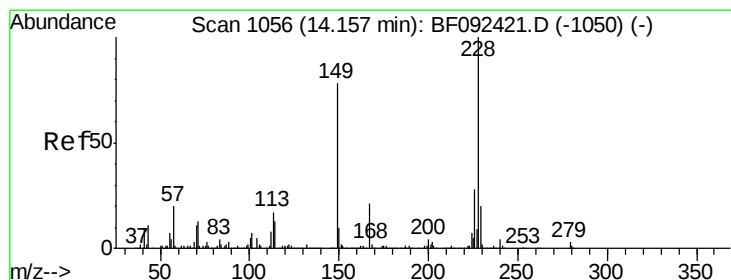
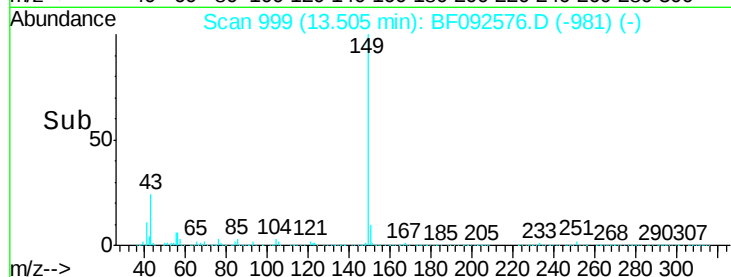
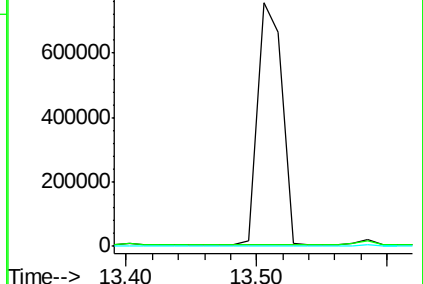
206 0.2 14.6 21.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 5.31 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

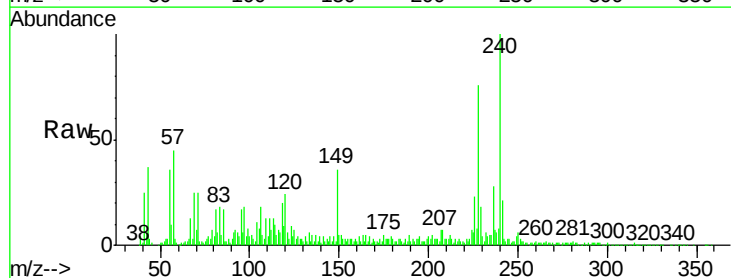
Tgt Ion:228 Resp: 104143

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

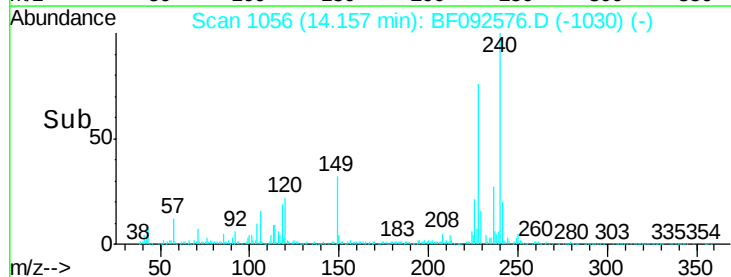
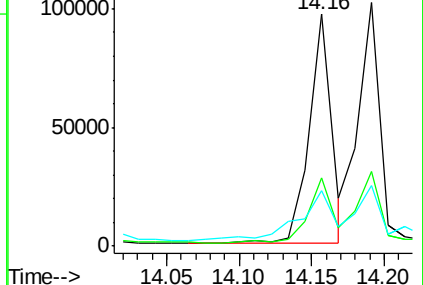
229 23.7 16.2 24.4

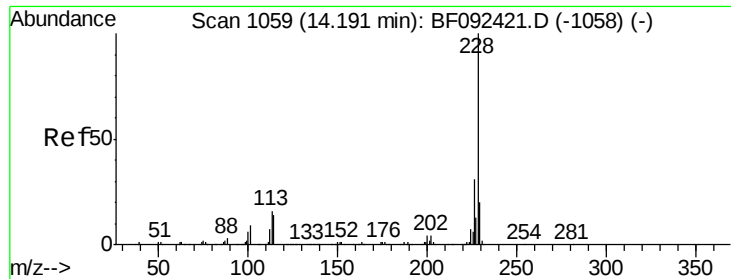


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.98 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2

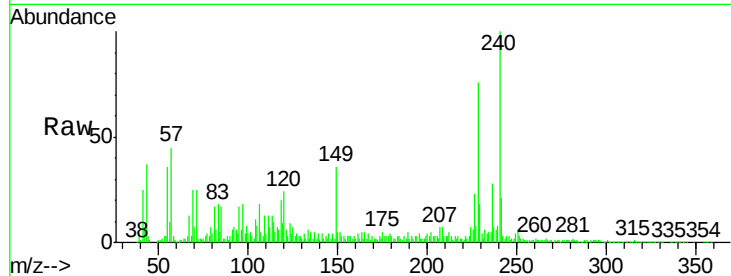
Tgt Ion:228 Resp: 104143

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.0

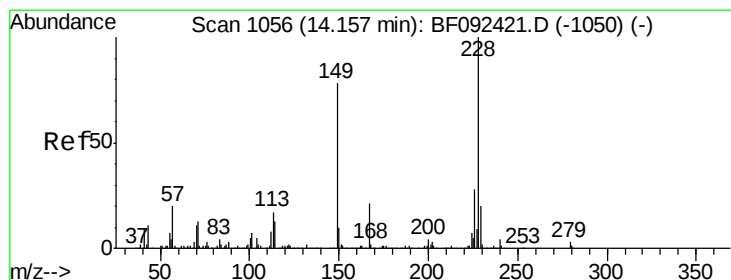
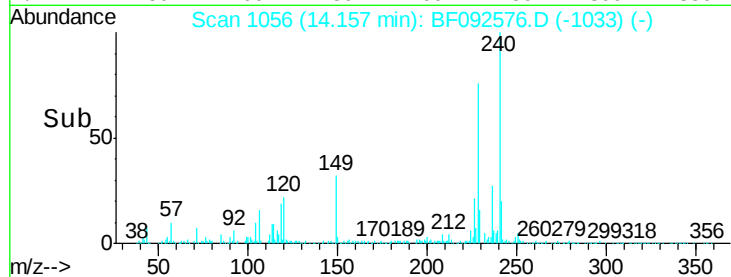
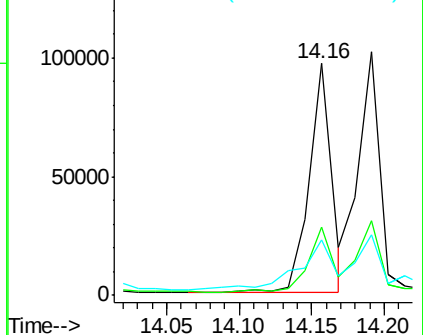
229 23.7 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.85 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

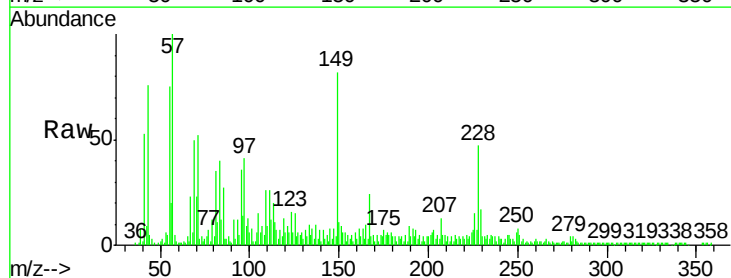
Tgt Ion:149 Resp: 78896

Ion Ratio Lower Upper

149 100

167 29.1 20.2 30.4

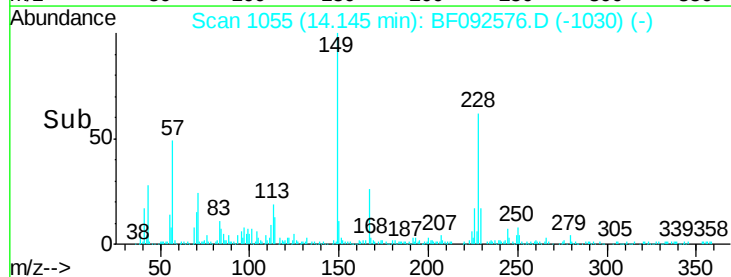
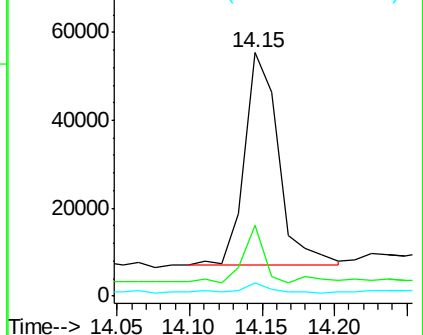
279 5.3 1.8 2.8#

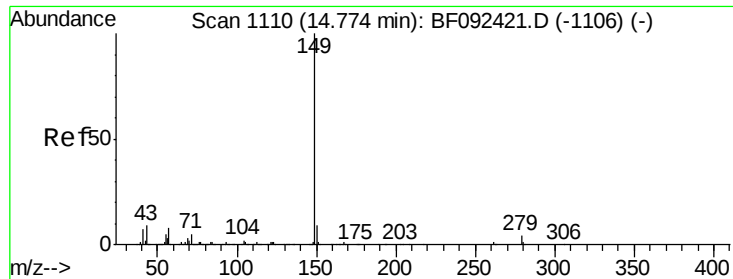


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

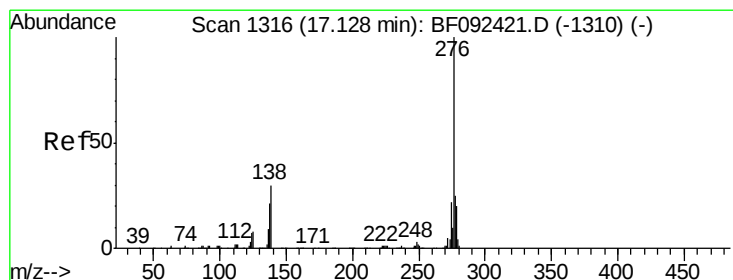
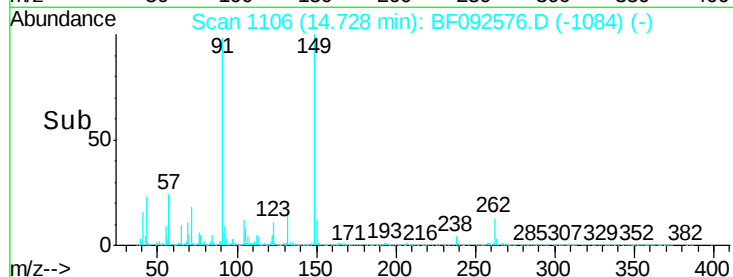
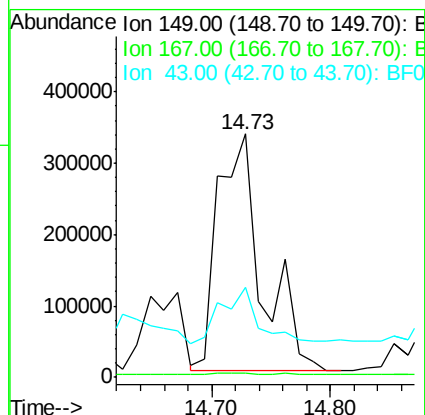
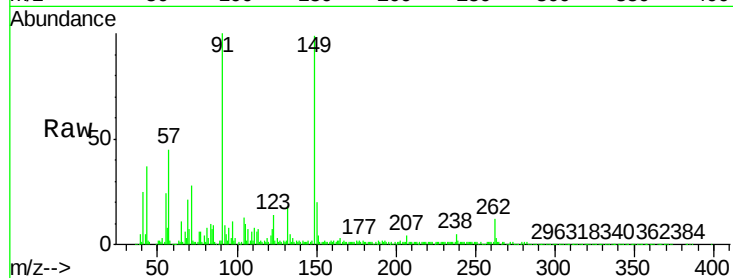




#84  
Di-n-octyl phthalate  
Concen: 35.05 ng  
RT: 14.73 min Scan# 1106  
Delta R.T. -0.05 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

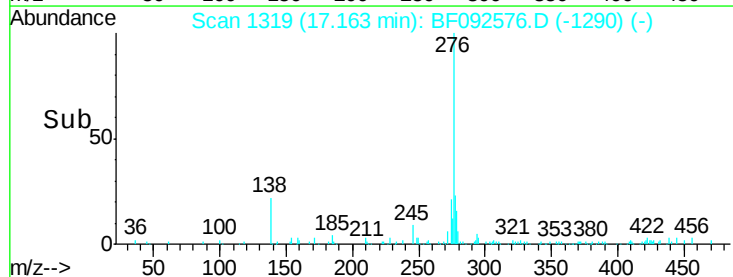
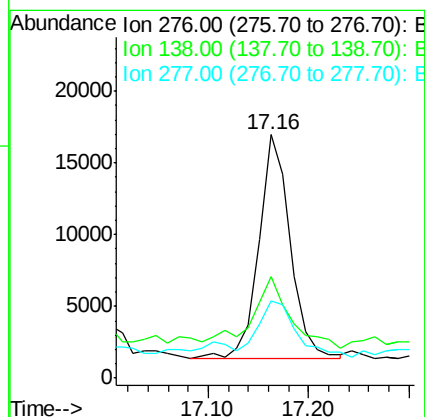
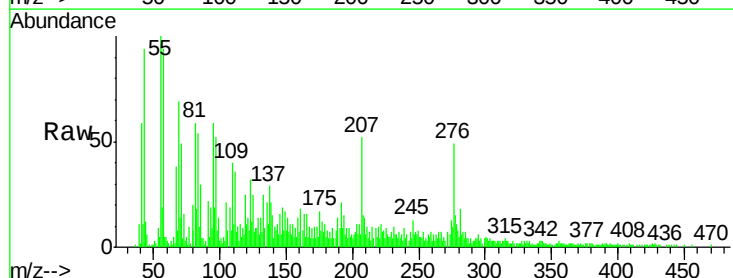
Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

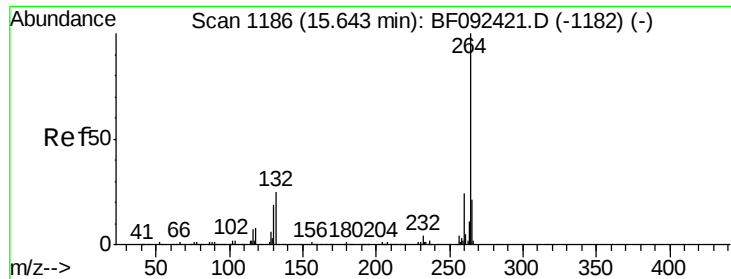
Tgt Ion:149 Resp: 857619  
Ion Ratio Lower Upper  
149 100  
167 0.3 1.3 1.9#  
43 20.3 8.9 13.3#



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.18 ng  
RT: 17.16 min Scan# 1319  
Delta R.T. 0.03 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

Tgt Ion:276 Resp: 33762  
Ion Ratio Lower Upper  
276 100  
138 39.5 21.8 32.6#  
277 30.9 20.2 30.4#



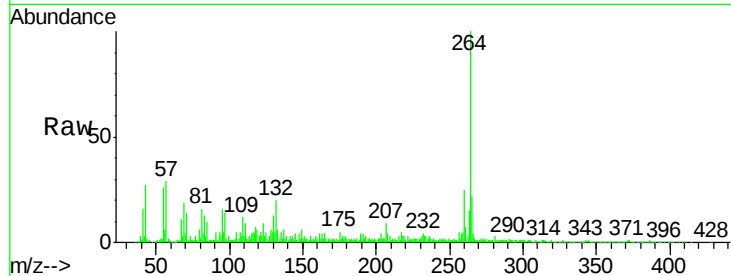


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.67 min Scan# 1188  
Delta R.T. 0.02 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

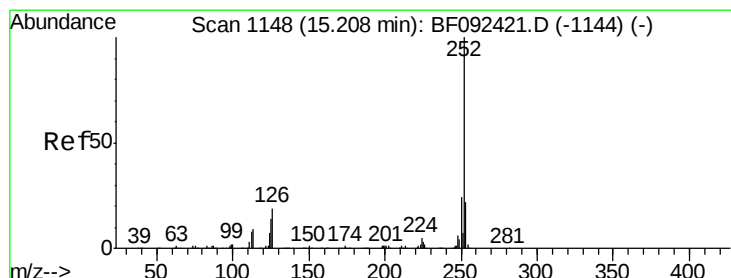
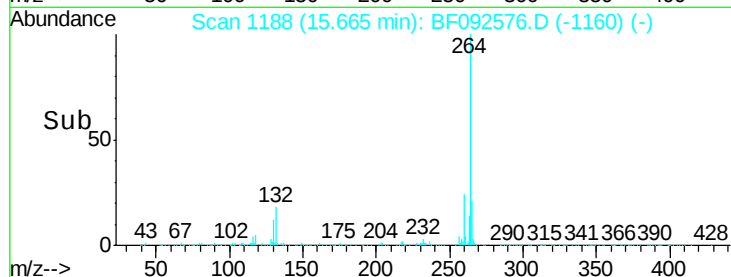
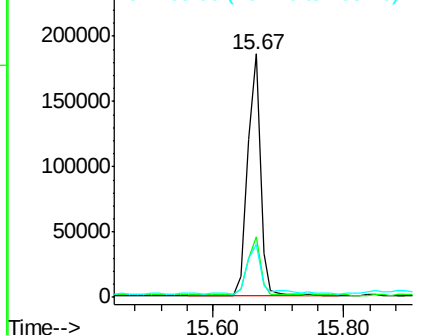
Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

Tgt Ion: 264 Resp: 249885  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 19.2  | 28.8  |
| 265 | 21.9  | 17.4  | 26.0  |



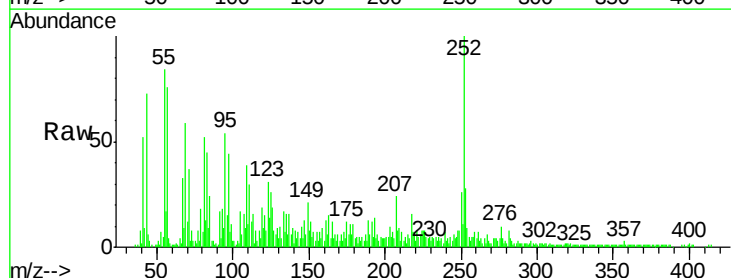
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



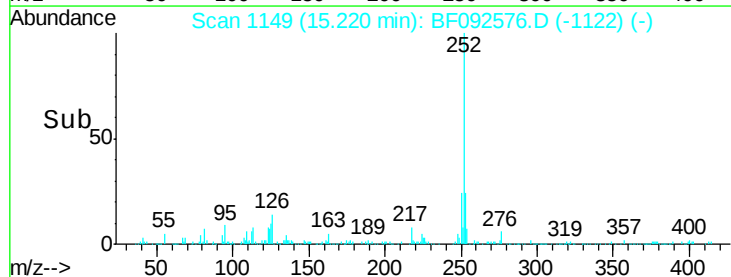
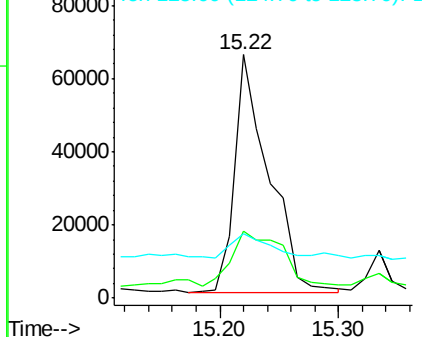
#87  
Benzo(b)fluoranthene  
Concen: 8.05 ng  
RT: 15.22 min Scan# 1149  
Delta R.T. 0.01 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

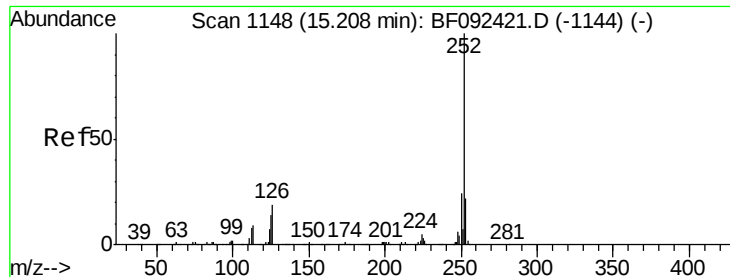
Tgt Ion: 252 Resp: 129069  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 27.7  | 18.2  | 27.4# |
| 125 | 26.4  | 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

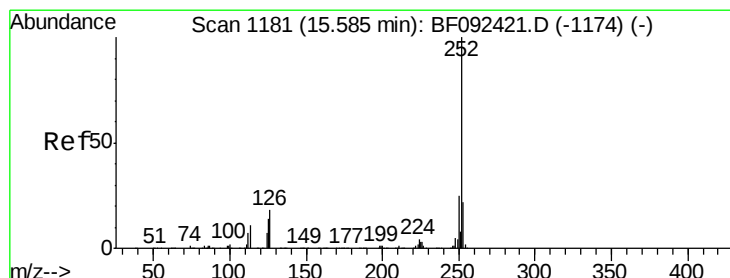
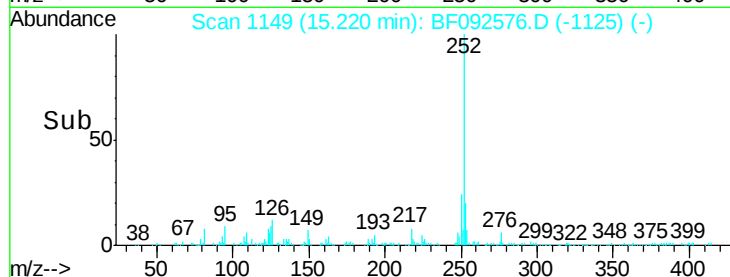
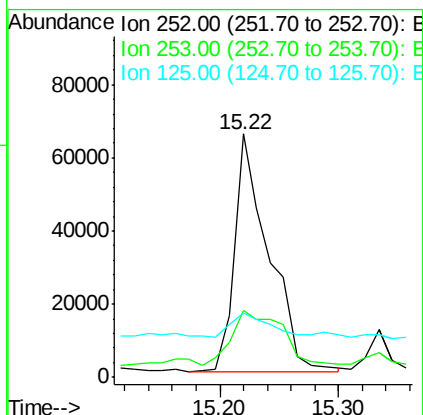
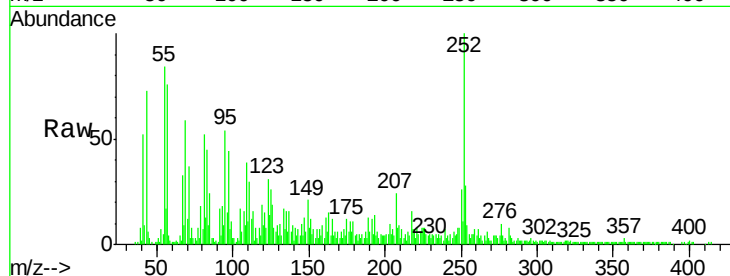




#88  
Benzo(k)fluoranthene  
Concen: 9.68 ng  
RT: 15.22 min Scan# 1149  
Delta R.T. -0.02 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

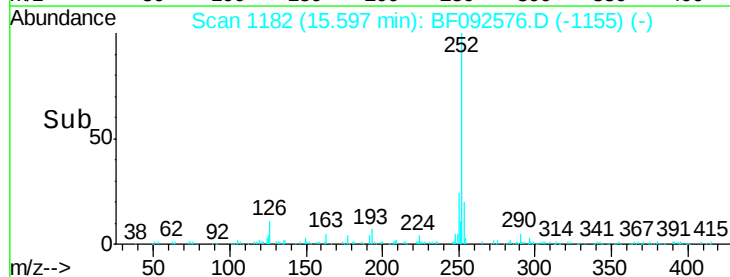
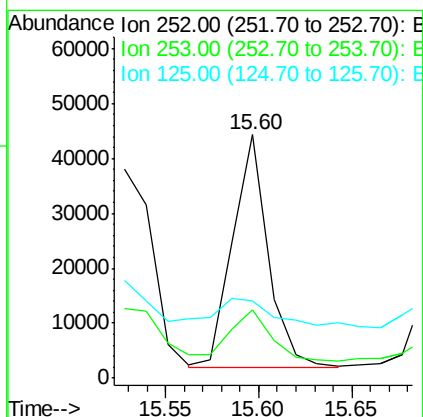
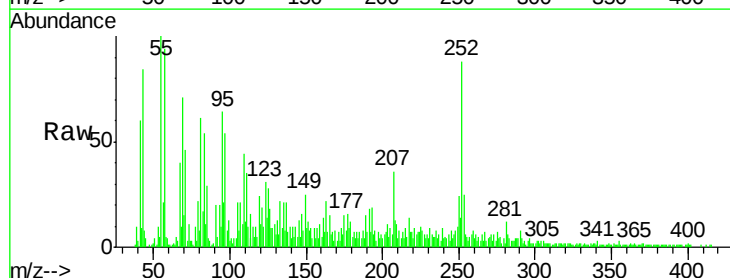
Instrument :  
BNA\_F  
ClientSampleId :  
CAS-BALLARD01-0-2

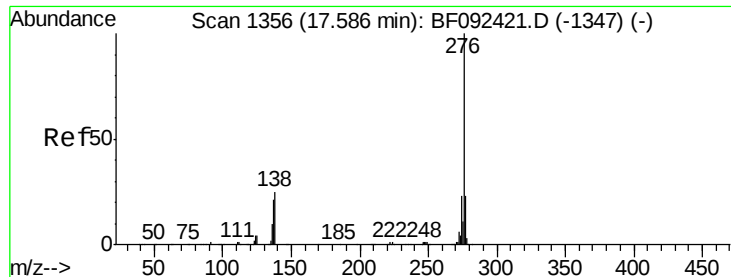
Tgt Ion:252 Resp: 129069  
Ion Ratio Lower Upper  
252 100  
253 27.7 18.5 27.7  
125 26.4 8.9 13.3#



#89  
Benzo(a)pyrene  
Concen: 4.17 ng  
RT: 15.60 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: BF092576.D  
Acq: 27 Jan 2017 14:44

Tgt Ion:252 Resp: 56559  
Ion Ratio Lower Upper  
252 100  
253 28.1 18.2 27.2#  
125 31.9 10.0 15.0#





#91

Benzo(g,h,i)perylene

Concen: 3.04 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092576.D

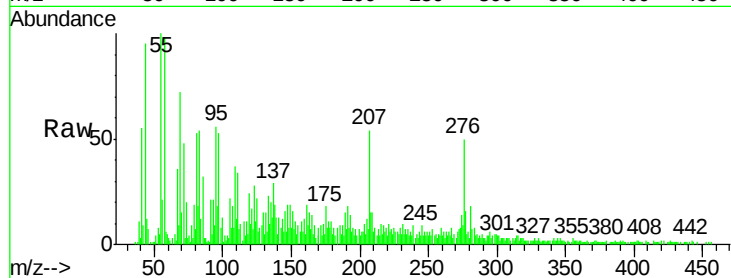
Acq: 27 Jan 2017 14:44

Instrument :

BNA\_F

ClientSampleId :

CAS-BALLARD01-0-2



Tgt Ion: 276 Resp: 33710

Ion Ratio Lower Upper

276 100

277 31.7 19.2 28.8#

138 37.5 16.0 24.0#

