

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111318\  
 Data File : BF110737.D  
 Acq On : 13 Nov 2018 23:33  
 Operator : JU/SJ  
 Sample : J5903-27 2X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-6-S

Quant Time: Nov 14 04:31:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 76658    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.23  | 136  | 293239   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.99  | 164  | 115362   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.48 | 188  | 185994   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.14 | 240  | 141076   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.67 | 264  | 101154   | 20.00 | ng    | 0.01     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.56  | 112 | 256610 | 54.37 | ng | 0.00 |
| 7) Phenol-d6                | 6.57  | 99  | 324164 | 53.71 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.51  | 82  | 186087 | 36.55 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330 | 51960  | 44.70 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.30  | 172 | 291562 | 36.10 | ng | 0.00 |
| 79) Terphenyl-d14           | 13.06 | 244 | 238766 | 31.70 | ng | 0.00 |

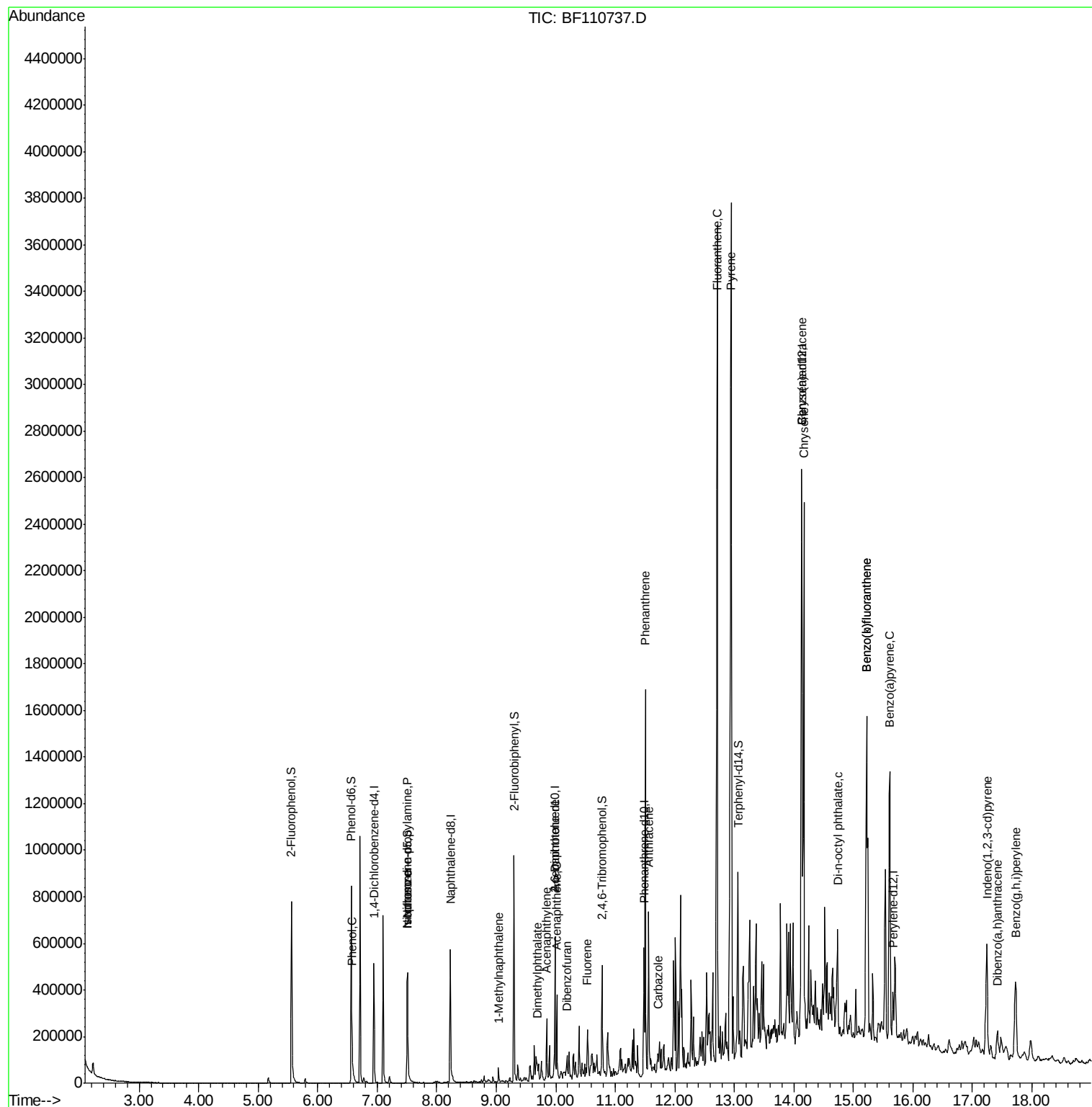
|                                |       |     |         |            |   |     |
|--------------------------------|-------|-----|---------|------------|---|-----|
| Target Compounds               |       |     |         | Qvalue     |   |     |
| 9) Benzaldehyde                | 6.56  | 77  | 570     | Below Cal  | # | 1   |
| 10) Phenol                     | 6.58  | 94  | 15519   | 2.218 ng   | # | 74  |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70  | 24289   | 6.305 ng   | # | 78  |
| 25) Isophorone                 | 7.51  | 82  | 186086  | 22.297 ng  | # | 67  |
| 38) 1-Methylnaphthalene        | 9.04  | 142 | 18001   | 2.074 ng   | # | 94  |
| 49) Acenaphthylene             | 9.85  | 152 | 106981  | 9.581 ng   |   | 97  |
| 50) Dimethylphthalate          | 9.69  | 163 | 18265   | 2.122 ng   | # | 98  |
| 51) 2,6-Dinitrotoluene         | 9.99  | 165 | 16262   | 8.588 ng   | # | 23  |
| 52) Acenaphthene               | 10.02 | 154 | 75067   | 10.638 ng  |   | 97  |
| 55) Dibenzofuran               | 10.19 | 168 | 25524   | 2.472 ng   |   | 98  |
| 58) Fluorene                   | 10.53 | 166 | 55799   | 7.037 ng   |   | 98  |
| 71) Phenanthrene               | 11.50 | 178 | 637398  | 63.966 ng  |   | 100 |
| 72) Anthracene                 | 11.56 | 178 | 257316  | 25.599 ng  |   | 98  |
| 73) Carbazole                  | 11.72 | 167 | 21661   | 2.244 ng   |   | 93  |
| 75) Fluoranthene               | 12.72 | 202 | 1829149 | 183.095 ng |   | 100 |
| 78) Pyrene                     | 12.94 | 202 | 1817056 | 167.278 ng |   | 99  |
| 81) Benzo(a)anthracene         | 14.13 | 228 | 1019840 | 120.945 ng |   | 96  |
| 83) Chrysene                   | 14.17 | 228 | 820406  | 102.124 ng |   | 98  |
| 85) Di-n-octyl phthalate       | 14.73 | 149 | 39866   | 4.674 ng   | # | 41  |
| 86) Indeno(1,2,3-cd)pyrene     | 17.24 | 276 | 310107  | 53.794 ng  |   | 99  |
| 88) Benzo(b)fluoranthene       | 15.22 | 252 | 1132627 | 187.168 ng |   | 97  |
| 89) Benzo(k)fluoranthene       | 15.22 | 252 | 1132627 | 189.420 ng | # | 96  |
| 90) Benzo(a)pyrene             | 15.61 | 252 | 573558  | 104.319 ng |   | 99  |
| 91) Dibenzo(a,h)anthracene     | 17.42 | 278 | 76615   | 16.467 ng  |   | 96  |
| 92) Benzo(g,h,i)perylene       | 17.72 | 276 | 284464  | 61.620 ng  |   | 98  |

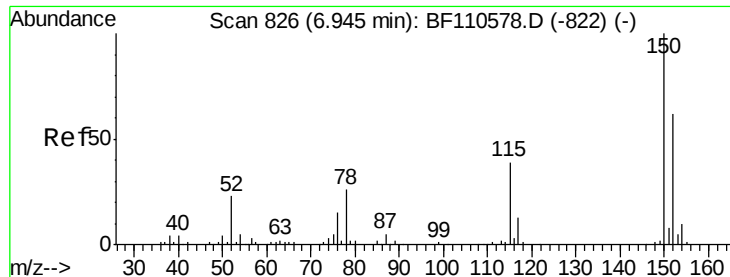
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 12:43:10 2018  
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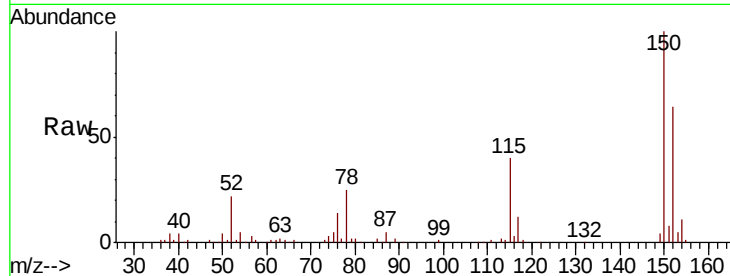


#1

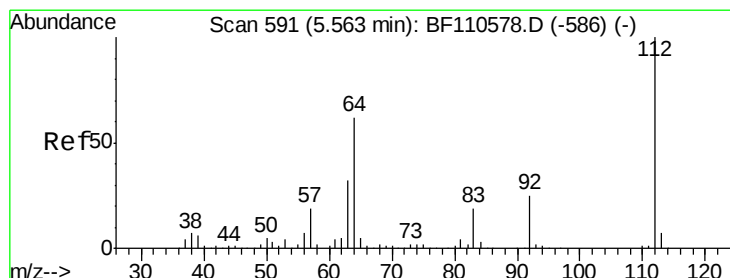
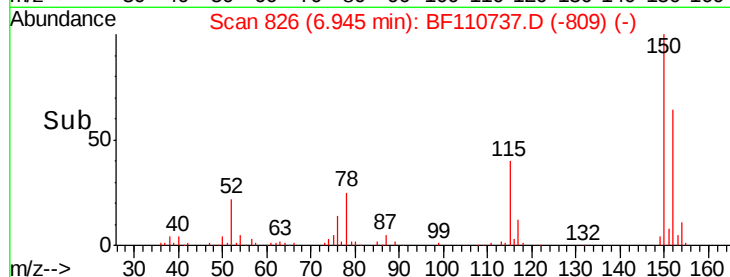
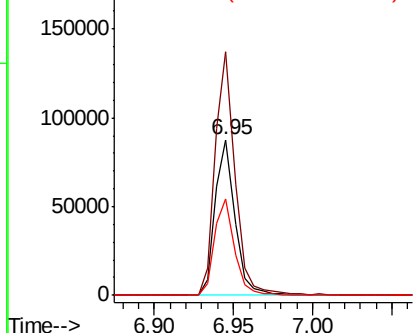
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Instrument :  
BNA\_F  
ClientSampleId :  
SR-6-S

Tgt Ion:152 Resp: 76658  
Ion Ratio Lower Upper  
152 100  
150 156.5 122.7 184.1  
115 61.9 49.1 73.7



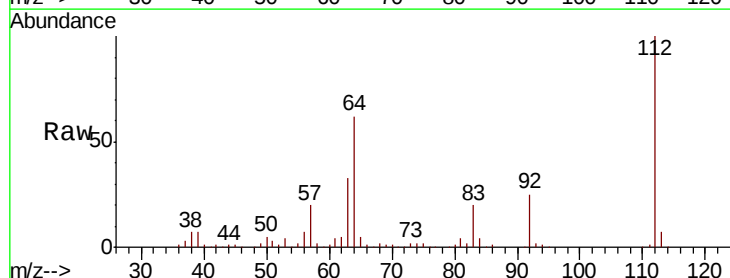
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



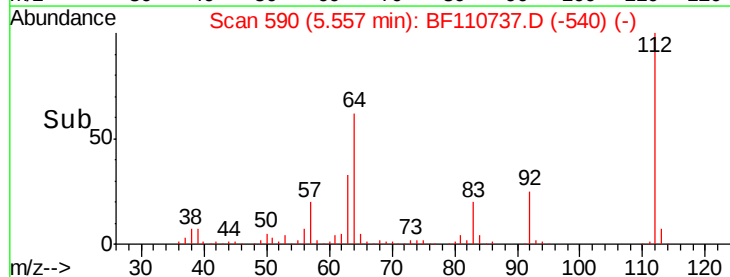
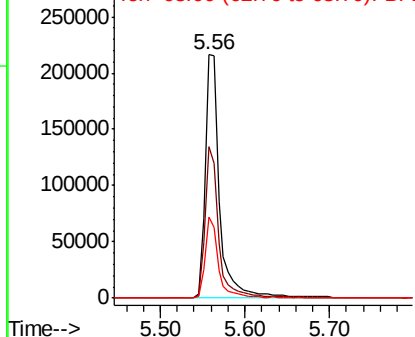
#5

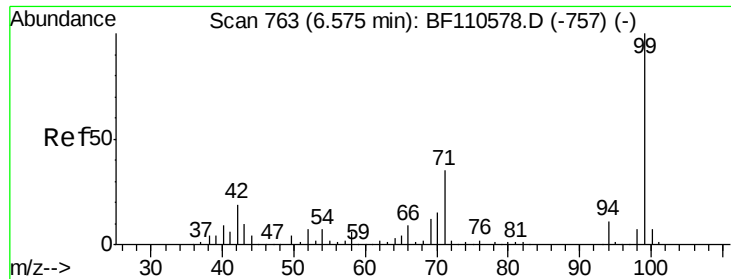
2-Fluorophenol  
Concen: 54.373 ng  
RT: 5.56 min Scan# 590  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:112 Resp: 256610  
Ion Ratio Lower Upper  
112 100  
64 62.1 44.1 66.1  
63 33.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.714 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampleId :

SR-6-S

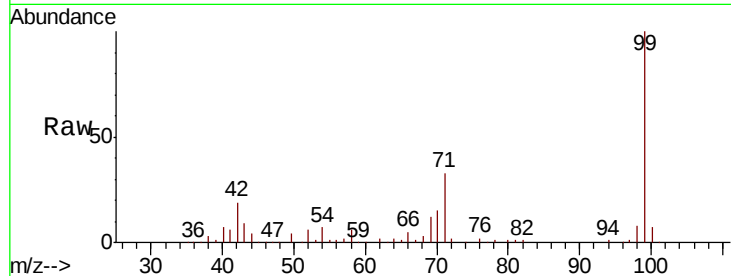
Tgt Ion: 99 Resp: 324164

Ion Ratio Lower Upper

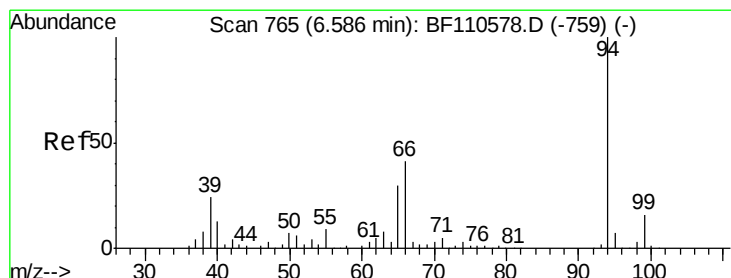
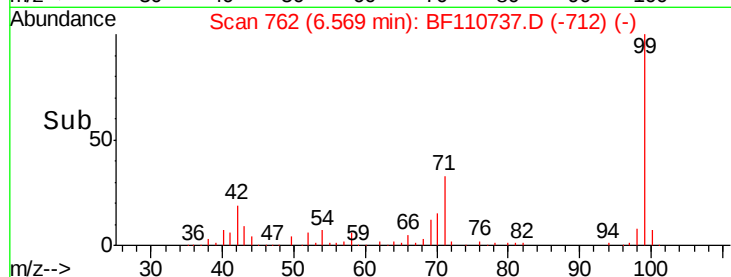
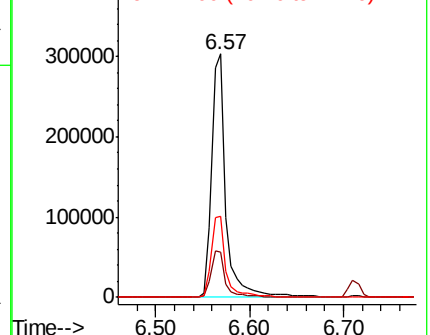
99 100

42 18.6 15.8 23.6

71 33.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.218 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

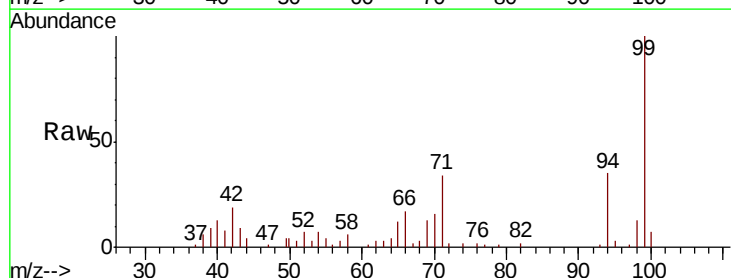
Tgt Ion: 94 Resp: 15519

Ion Ratio Lower Upper

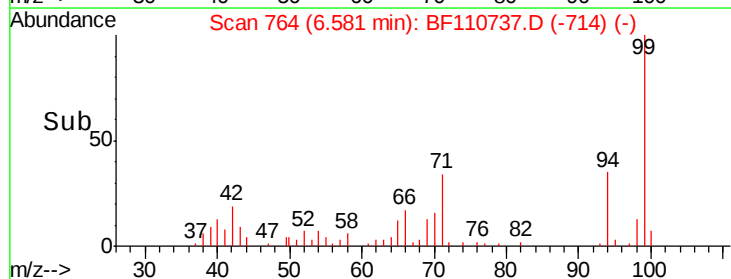
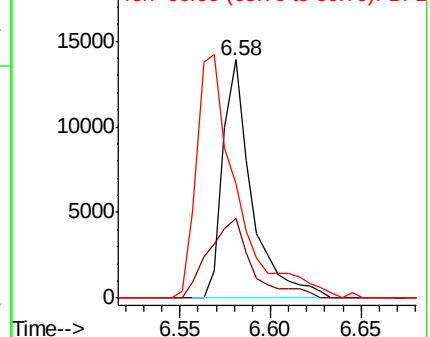
94 100

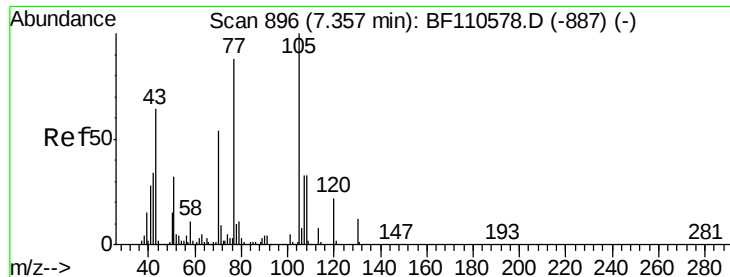
65 33.7 25.3 65.3

66 47.9 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

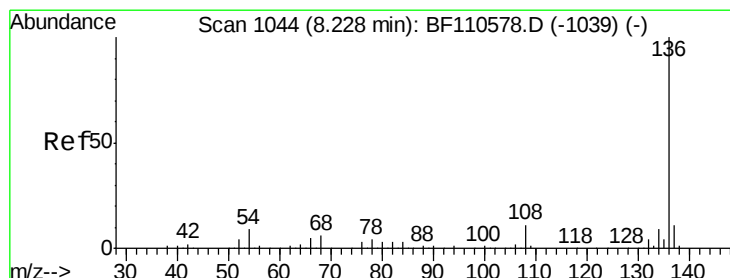
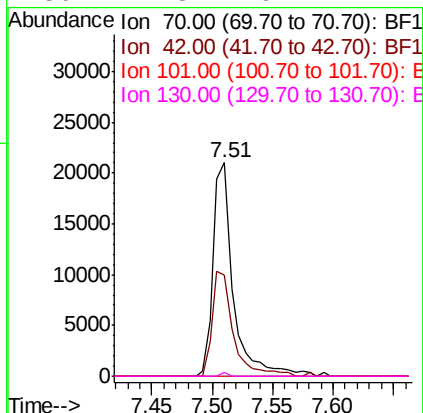
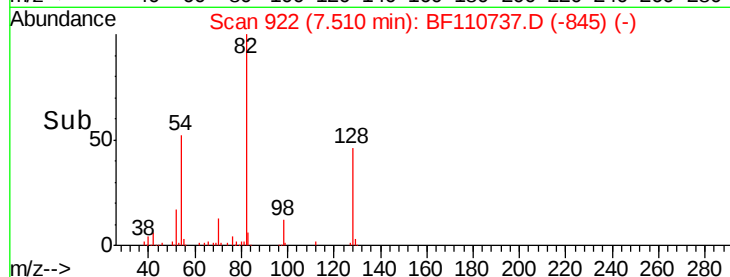
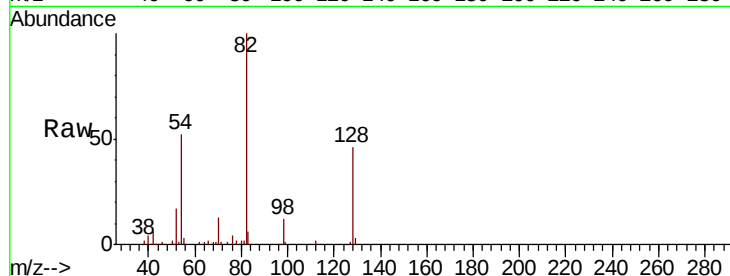




#19  
n-Nitroso-di-n-propylamine  
Concen: 6.305 ng  
RT: 7.51 min Scan# 922  
Delta R.T. 0.15 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

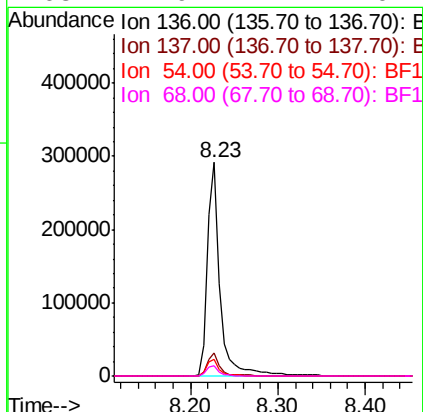
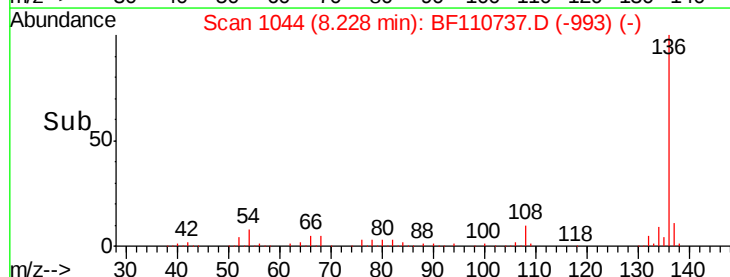
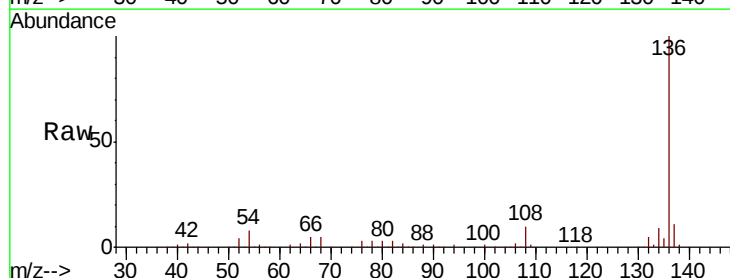
Instrument :  
BNA\_F  
ClientSampleId :  
SR-6-S

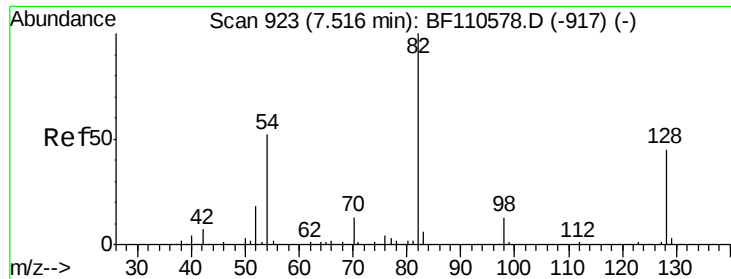
Tgt Ion: 70 Resp: 24289  
Ion Ratio Lower Upper  
70 100  
42 47.4 47.4 71.2#  
101 0.0 7.3 10.9#  
130 1.8 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion: 136 Resp: 293239  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.5 5.4 8.2  
68 4.9 4.2 6.2

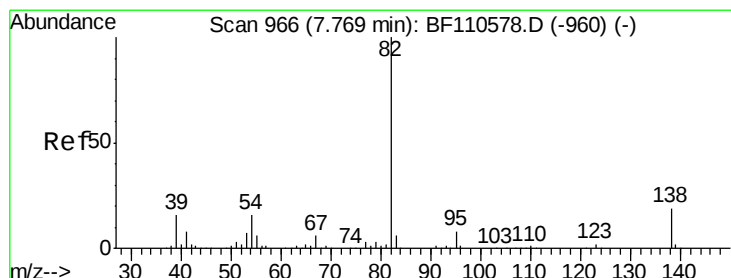
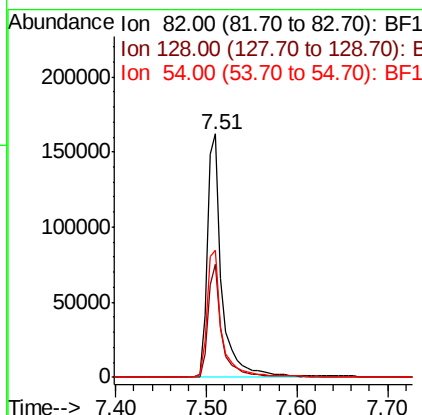
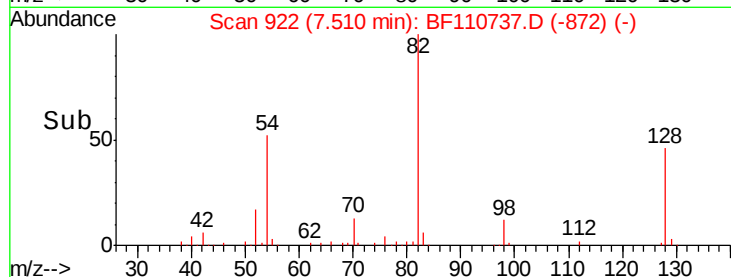
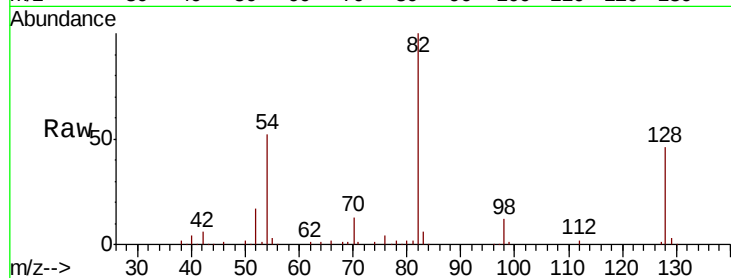




#23  
 Nitrobenzene-d5  
 Concen: 36.546 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

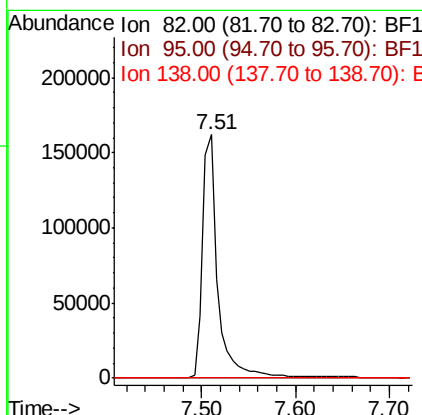
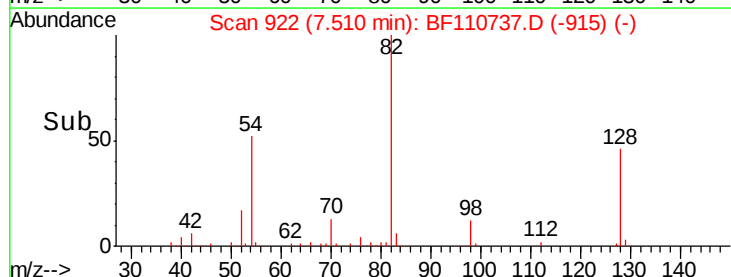
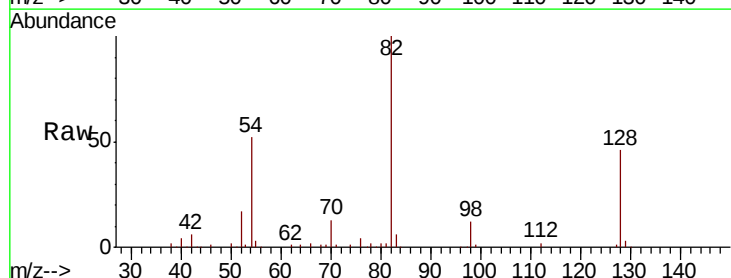
Instrument :  
 BNA\_F  
 ClientSampled :  
 SR-6-S

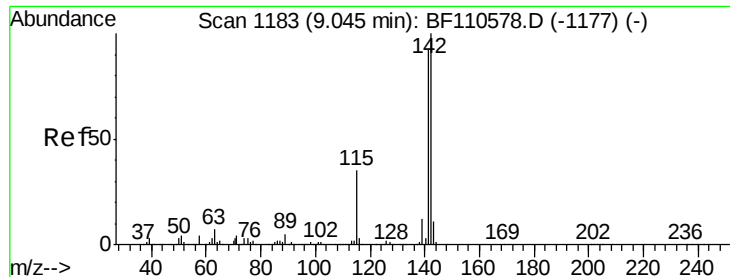
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.5  | 34.2  | 51.2  |
| 54      | 52.0  | 38.6  | 58.0  |



#25  
 Isophorone  
 Concen: 22.297 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.26 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.7   | 8.5#  |
| 138     | 0.0   | 13.2  | 19.8# |

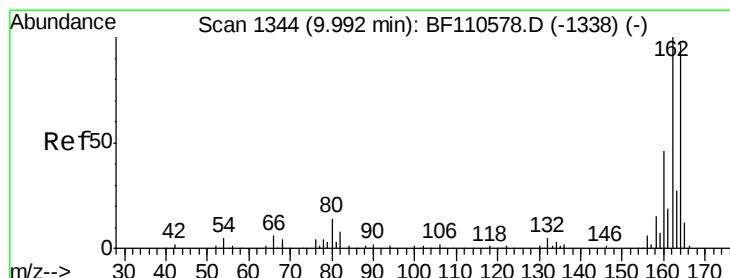
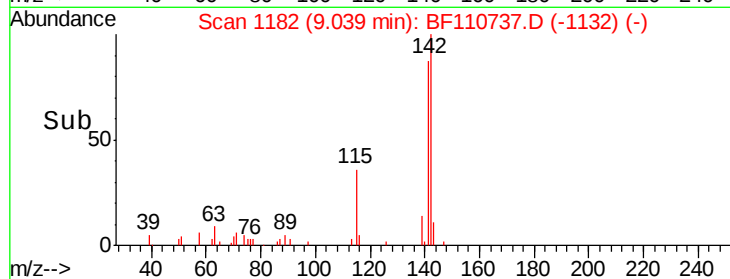
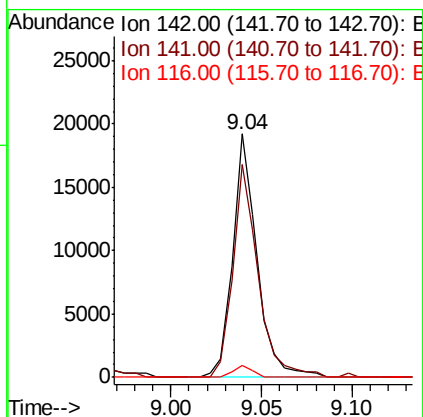
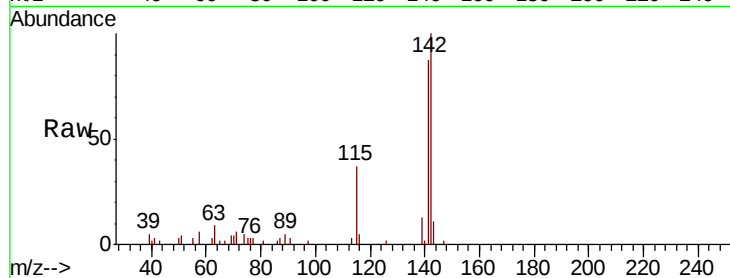




#38  
1-Methylnaphthalene  
Concen: 2.074 ng  
RT: 9.04 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

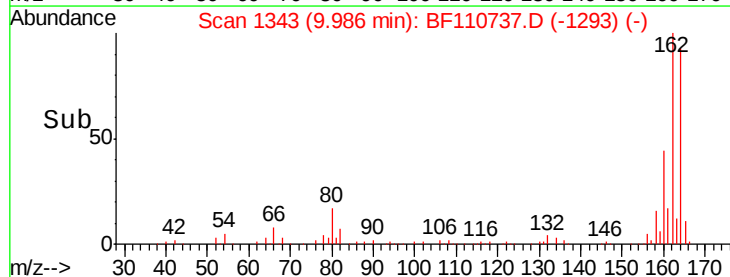
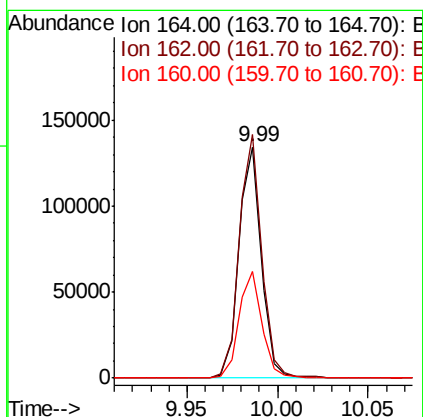
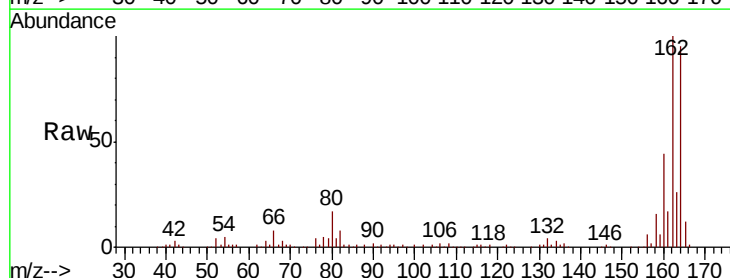
Instrument :  
BNA\_F  
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SR-6-S

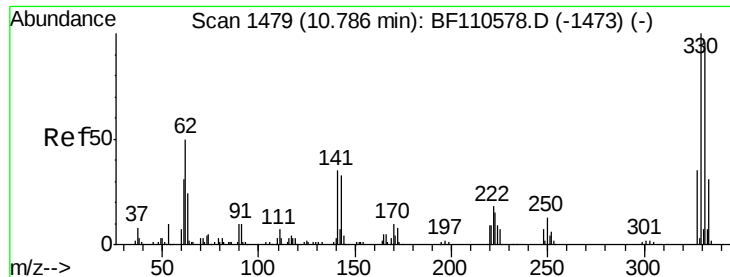
Tgt Ion:142 Resp: 18001  
Ion Ratio Lower Upper  
142 100  
141 87.4 74.2 111.4  
116 4.7 2.6 4.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:164 Resp: 115362  
Ion Ratio Lower Upper  
164 100  
162 105.3 83.0 124.6  
160 45.9 37.0 55.6

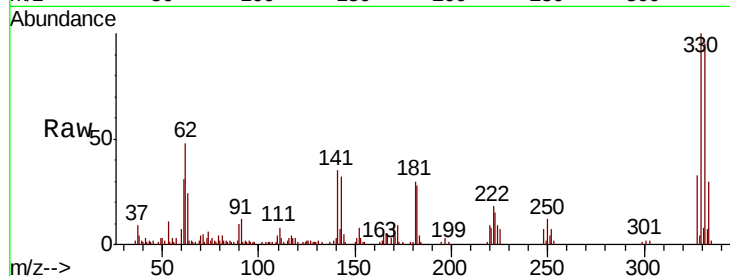




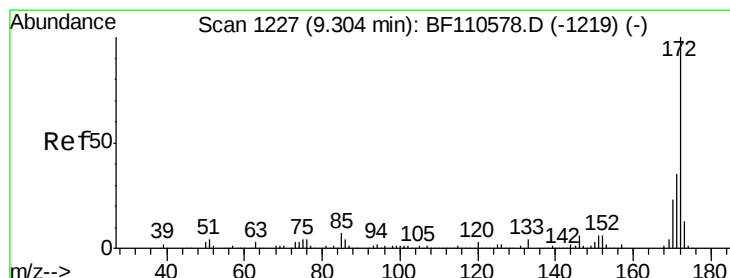
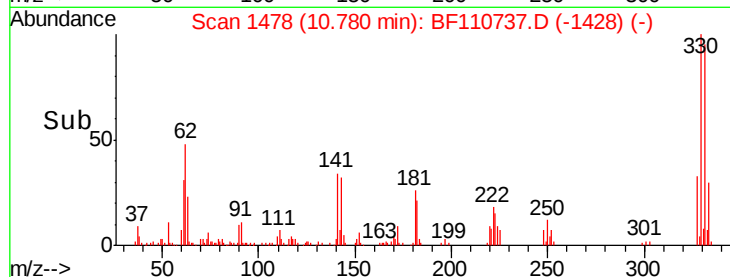
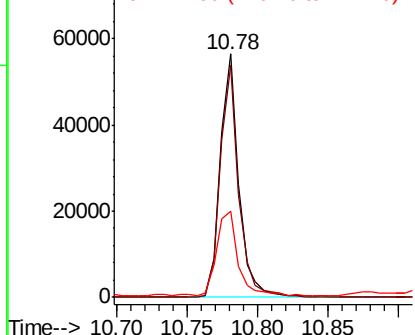
#42  
 2,4,6-Tribromophenol  
 Concen: 44.700 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-6-S

Tgt Ion: 330 Resp: 51960  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 77.1 115.7  
 141 39.2 27.0 40.4

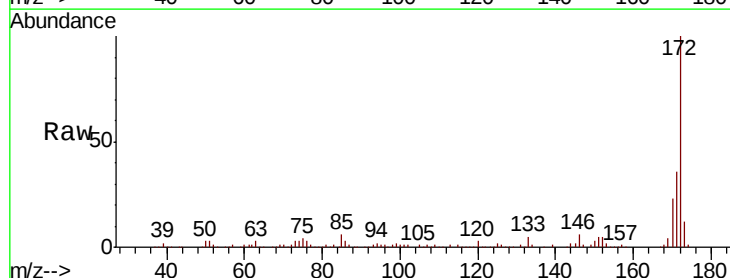


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

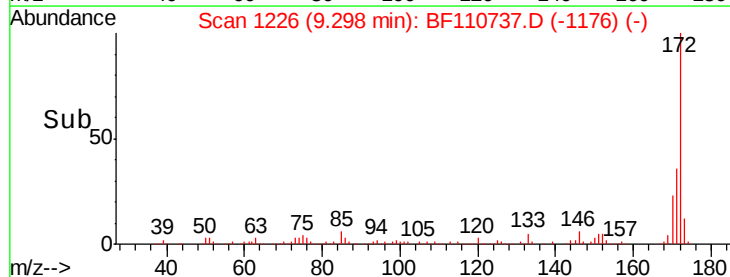
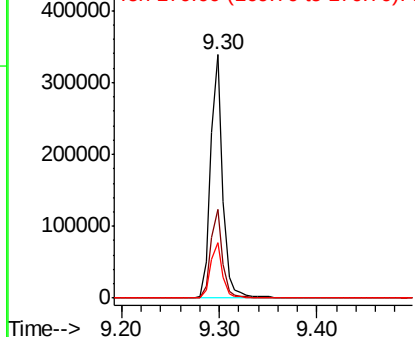


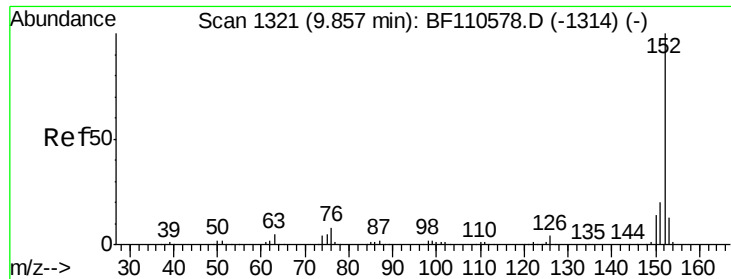
#45  
 2-Fluorobiphenyl  
 Concen: 36.095 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

Tgt Ion: 172 Resp: 291562  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.6 43.0  
 170 23.0 19.7 29.5



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

Acenaphthylene

Concen: 9.581 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampled :

SR-6-S

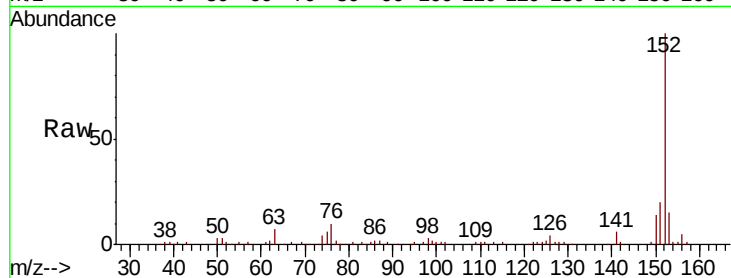
Tgt Ion:152 Resp: 106981

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.8

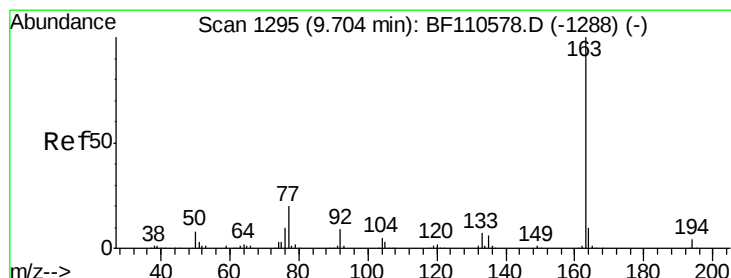
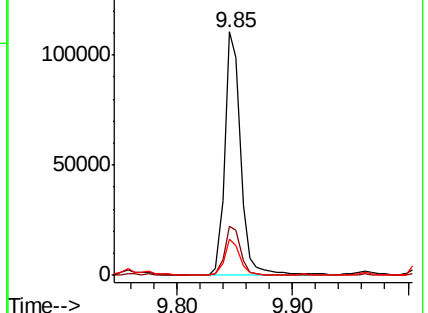
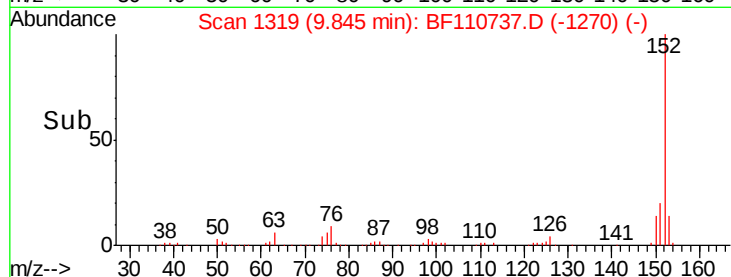
153 14.8 10.4 15.6



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



#50

Dimethylphthalate

Concen: 2.122 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

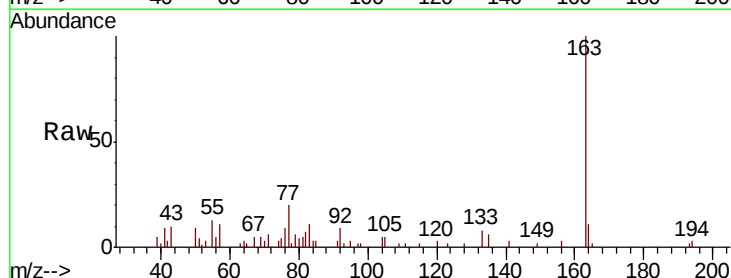
Tgt Ion:163 Resp: 18265

Ion Ratio Lower Upper

163 100

194 3.1 3.2 4.8#

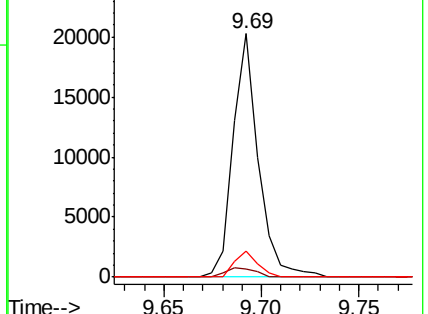
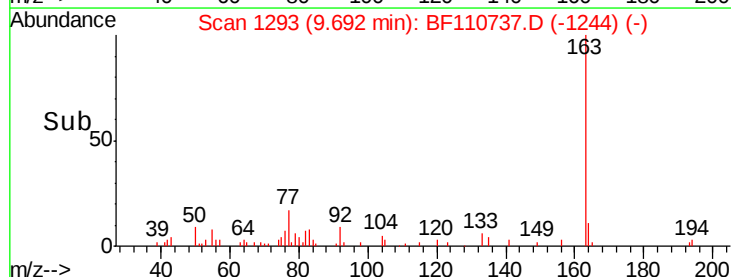
164 10.6 8.1 12.1

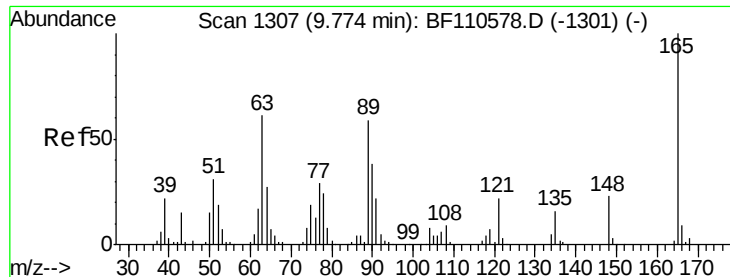


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

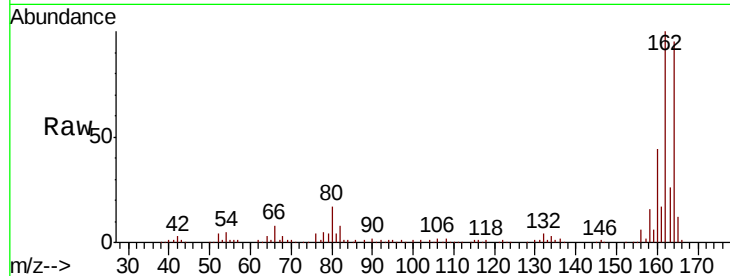




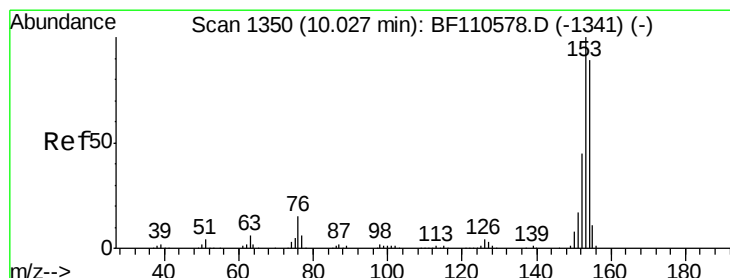
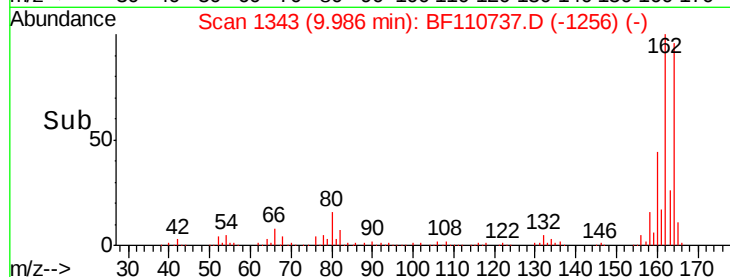
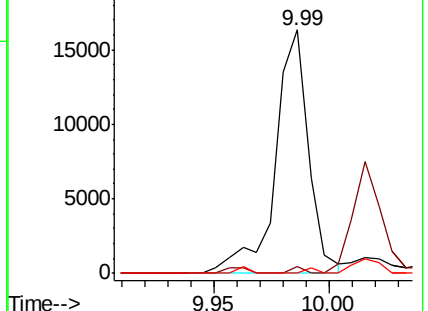
#51  
2,6-Dinitrotoluene  
Concen: 8.588 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.21 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Instrument :  
BNA\_F  
ClientSampleId :  
SR-6-S

Tgt Ion:165 Resp: 16262  
Ion Ratio Lower Upper  
165 100  
63 2.5 48.9 73.3#  
89 0.0 46.6 69.8#

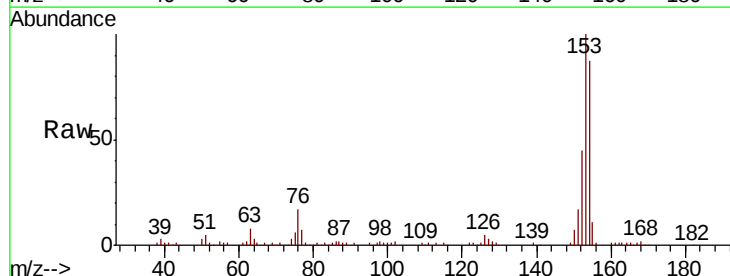


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

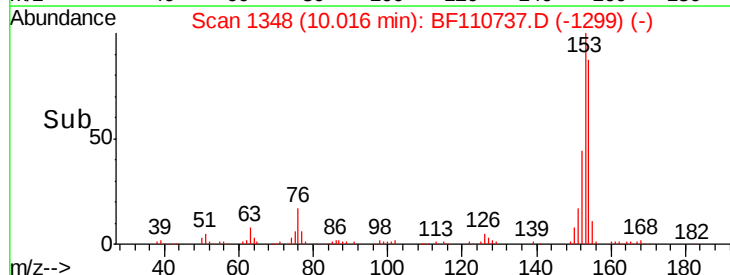
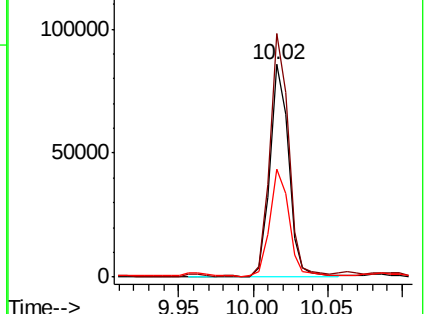


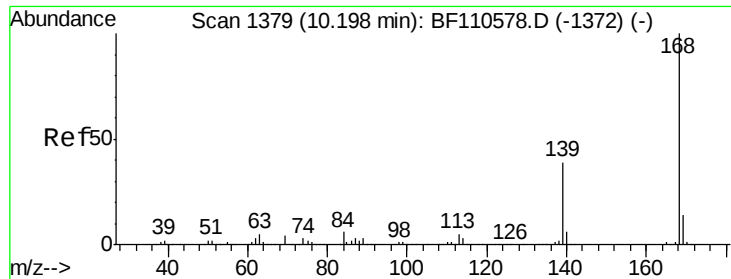
#52  
Acenaphthene  
Concen: 10.638 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:154 Resp: 75067  
Ion Ratio Lower Upper  
154 100  
153 114.7 90.1 135.1  
152 51.1 43.4 65.2



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

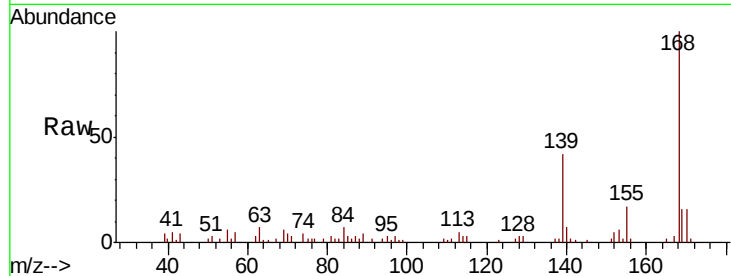




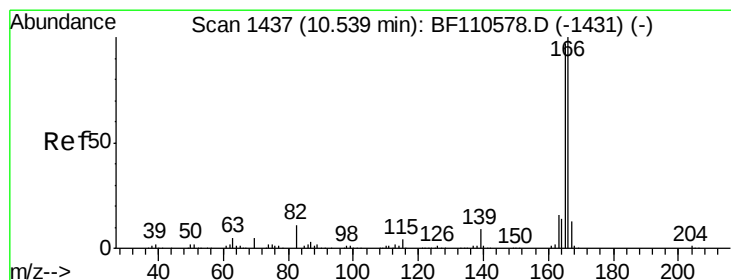
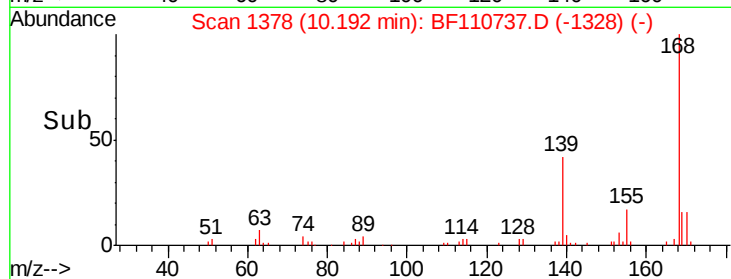
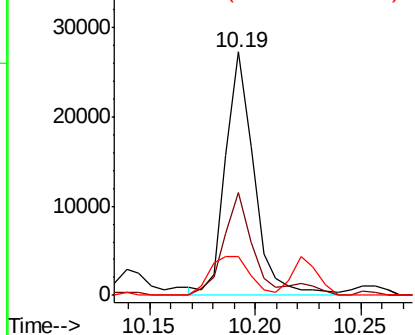
#55  
Dibenzenofuran  
Concen: 2.472 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Instrument :  
BNA\_F  
ClientSampleId :  
SR-6-S

Tgt Ion:168 Resp: 25524  
Ion Ratio Lower Upper  
168 100  
139 42.3 33.0 49.6  
169 16.1 11.3 16.9

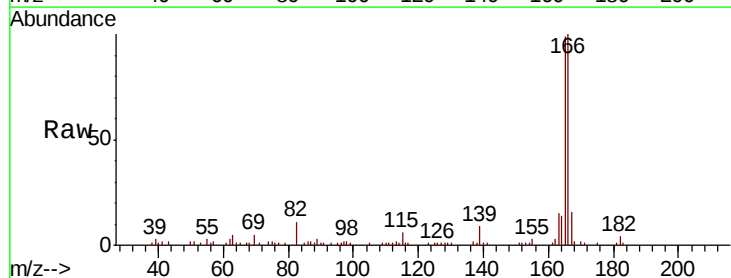


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

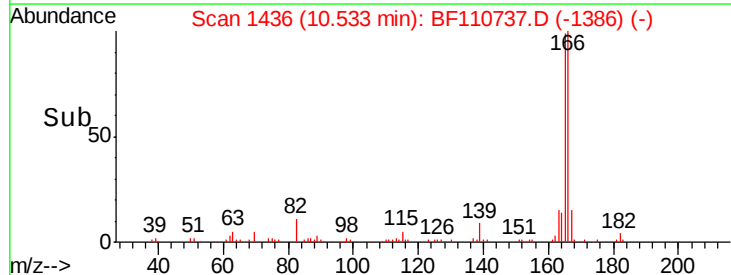
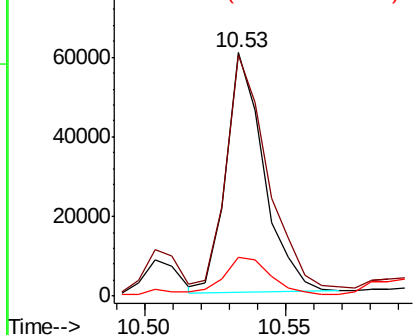


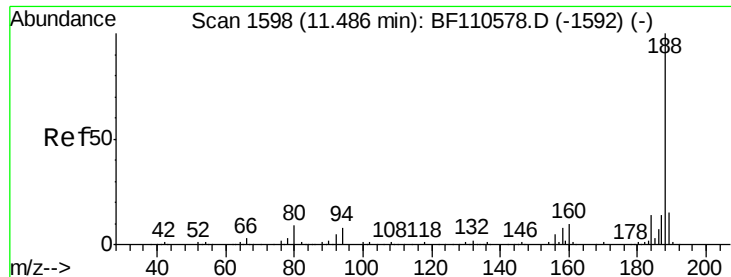
#58  
Fluorene  
Concen: 7.037 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:166 Resp: 55799  
Ion Ratio Lower Upper  
166 100  
165 99.1 78.6 117.8  
167 15.9 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

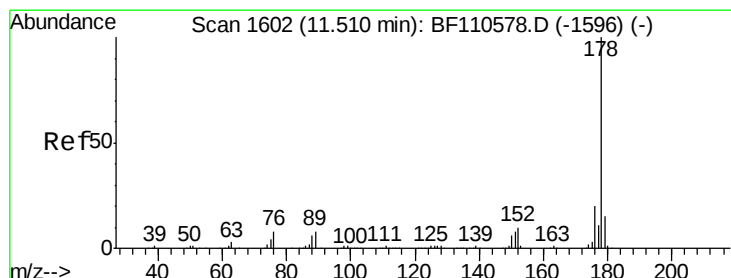
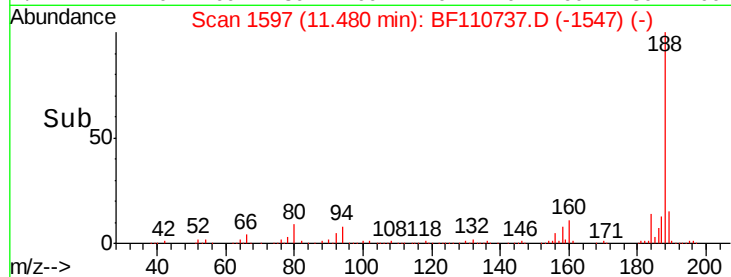
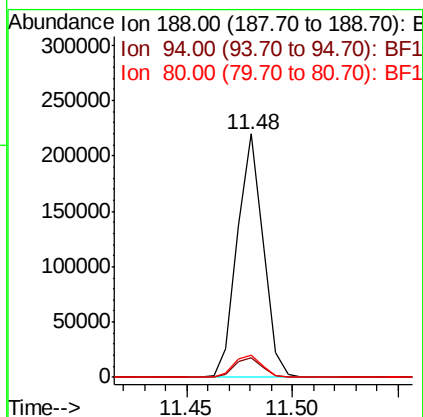
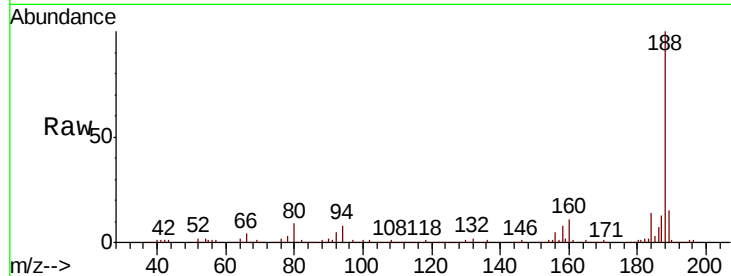




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

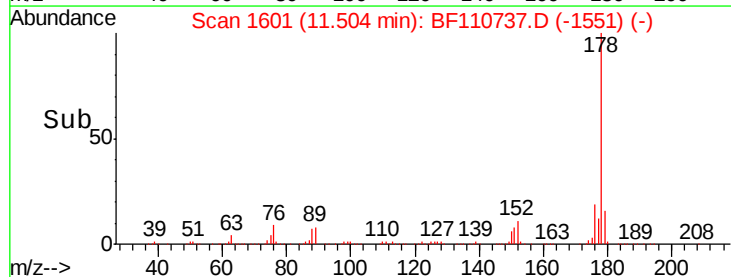
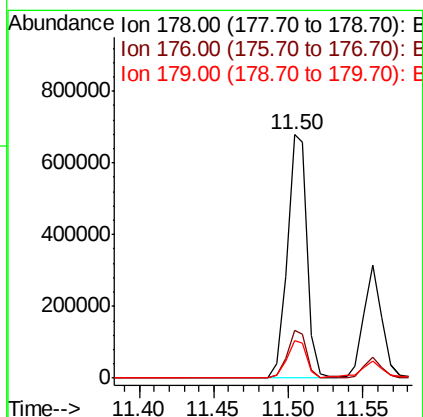
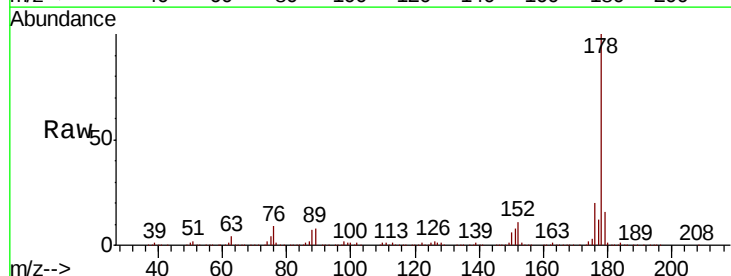
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-6-S

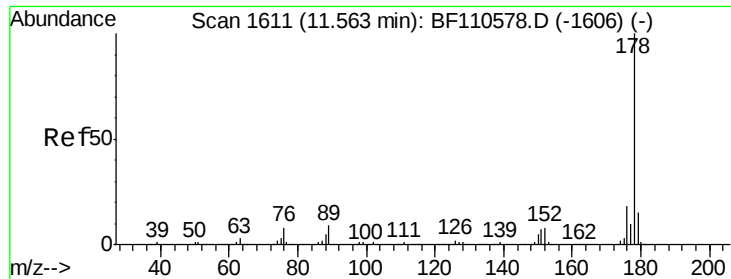
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 7.2   | 10.8  |
| 80      | 9.2   | 7.9   | 11.9  |



#71  
 Phenanthrene  
 Concen: 63.966 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.5  | 23.3  |
| 179     | 15.6  | 12.5  | 18.7  |

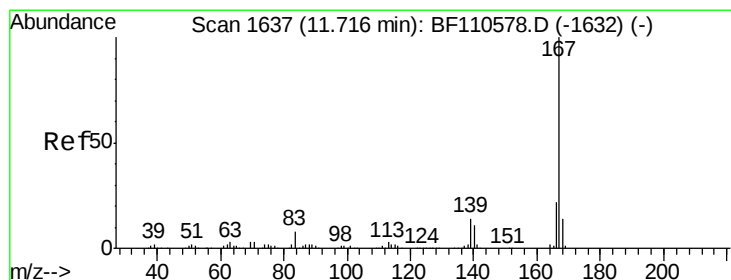
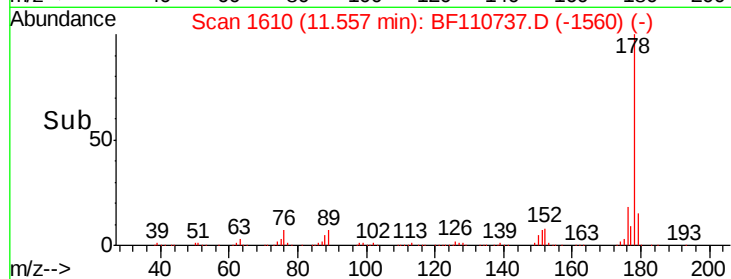
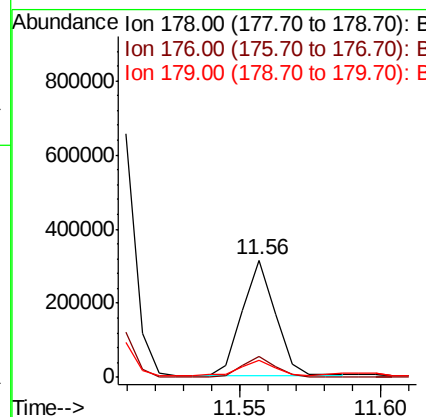
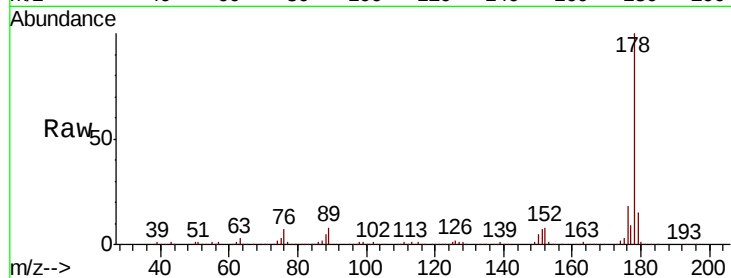




#72  
 Anthracene  
 Concen: 25.599 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. -0.01 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

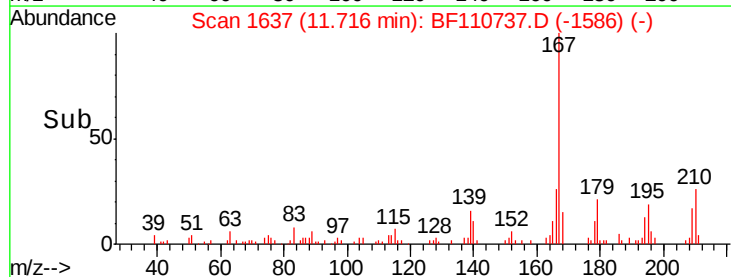
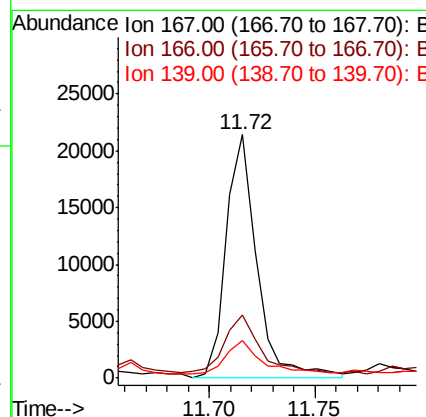
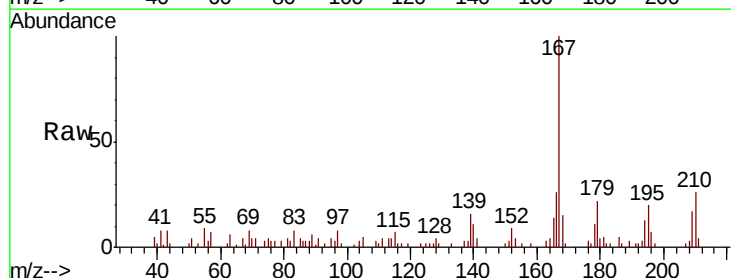
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-6-S

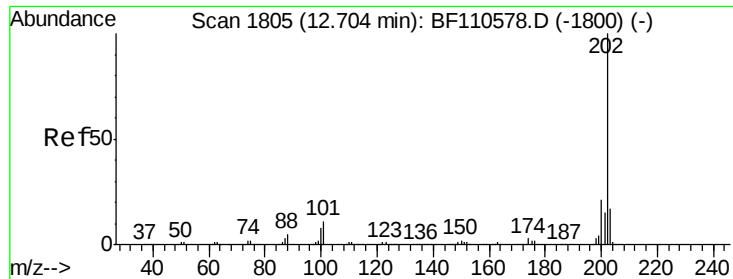
Tgt Ion:178 Resp: 257316  
 Ion Ratio Lower Upper  
 178 100  
 176 18.1 15.4 23.2  
 179 15.0 12.6 18.8



#73  
 Carbazole  
 Concen: 2.244 ng  
 RT: 11.72 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: BF110737.D  
 Acq: 13 Nov 2018 23:33

Tgt Ion:167 Resp: 21661  
 Ion Ratio Lower Upper  
 167 100  
 166 26.0 17.4 26.0  
 139 15.6 10.9 16.3





#75

Fluoranthene

Concen: 183.095 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampleId :

SR-6-S

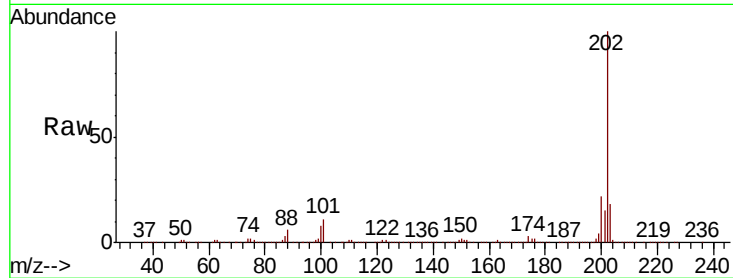
Tgt Ion:202 Resp: 1829149

Ion Ratio Lower Upper

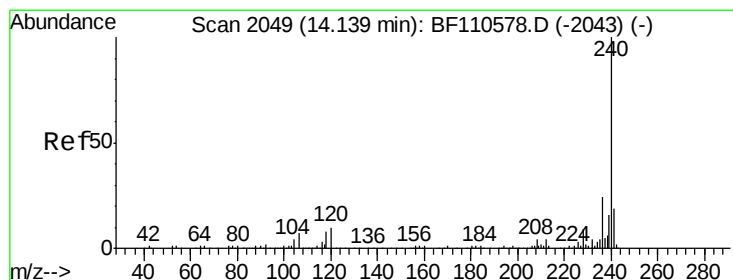
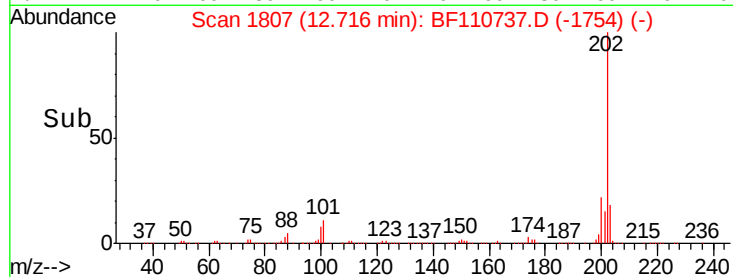
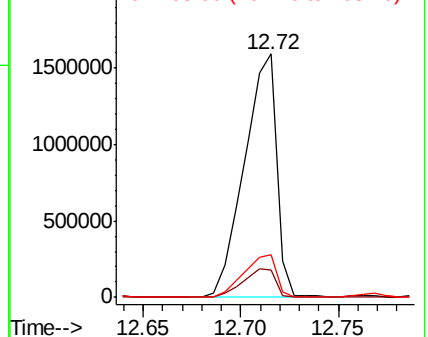
202 100

101 11.2 0.0 31.4

203 17.6 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

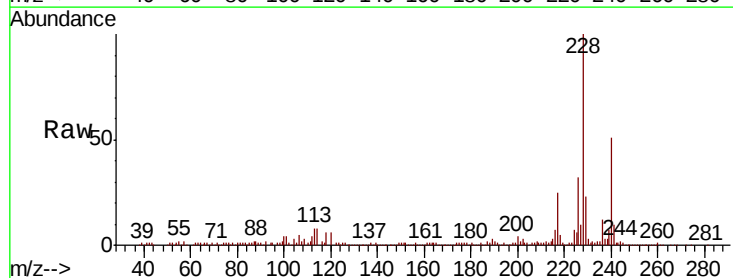
Tgt Ion:240 Resp: 141076

Ion Ratio Lower Upper

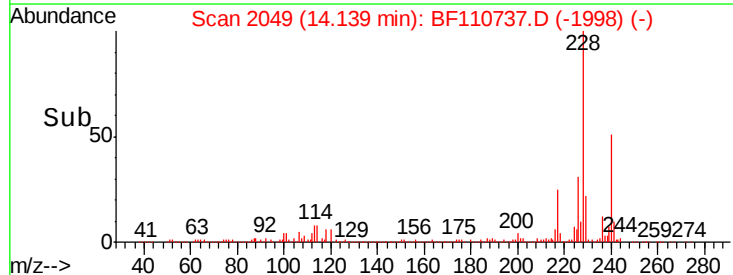
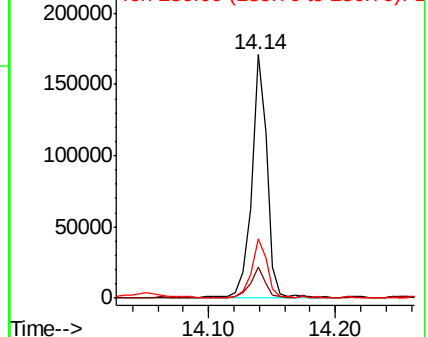
240 100

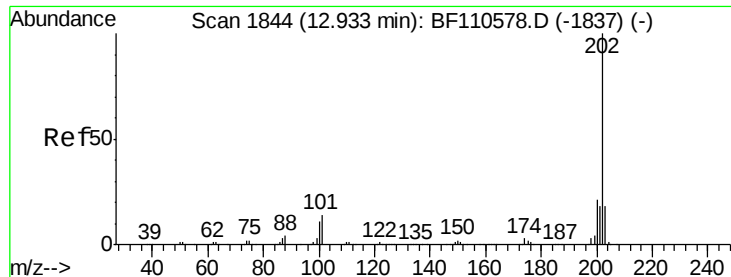
120 12.6 8.3 12.5#

236 24.6 21.2 31.8



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





#78

Pyrene

Concen: 167.278 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampleId :

SR-6-S

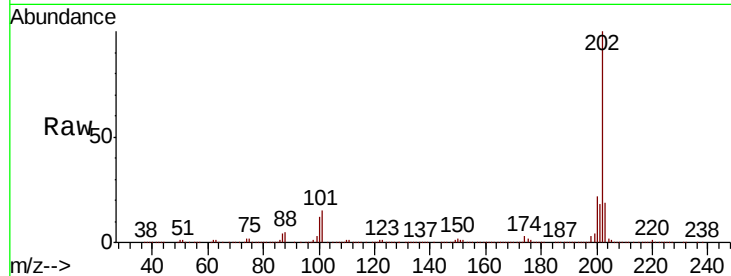
Tgt Ion:202 Resp: 1817056

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.6

203 18.7 14.2 21.4

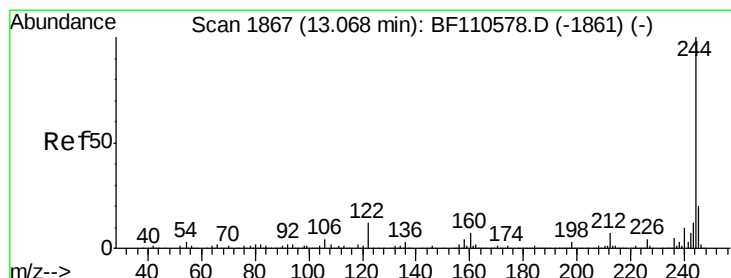
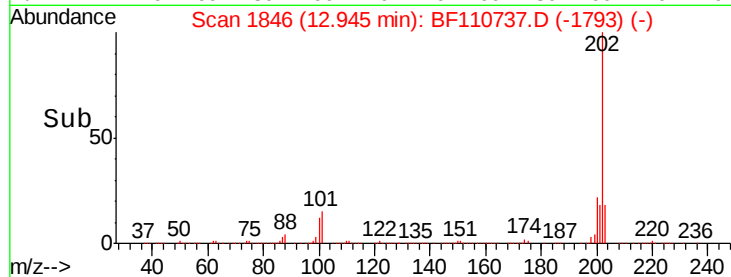
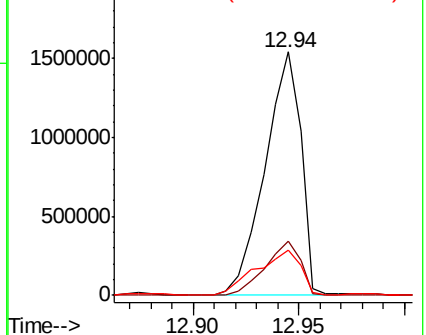


Abundance

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



#79

Terphenyl-d14

Concen: 31.696 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

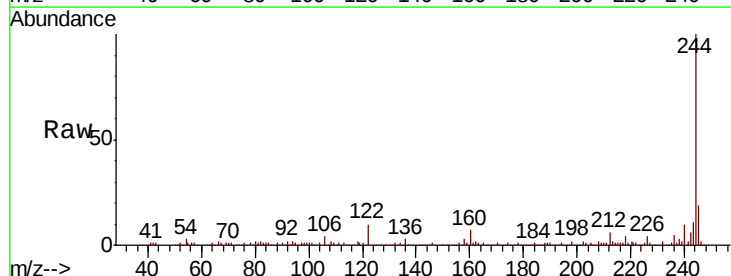
Tgt Ion:244 Resp: 238766

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

122 10.4 8.7 13.1

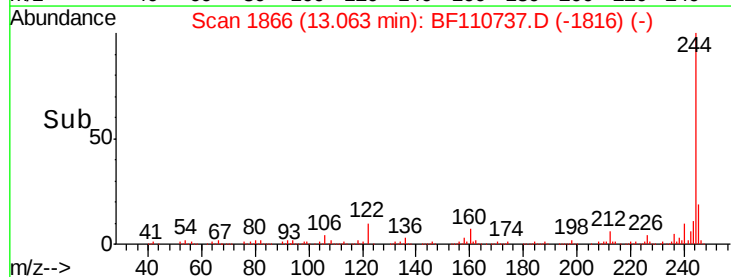
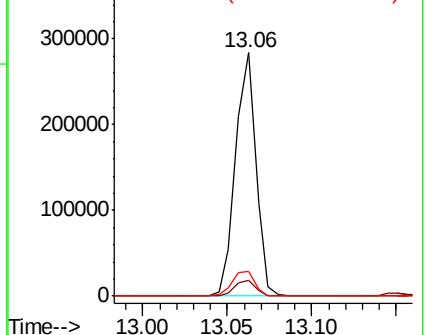


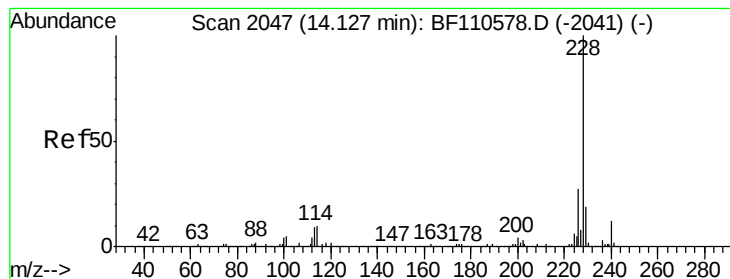
Abundance

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





#81

Benzo(a)anthracene

Concen: 120.945 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampleId :

SR-6-S

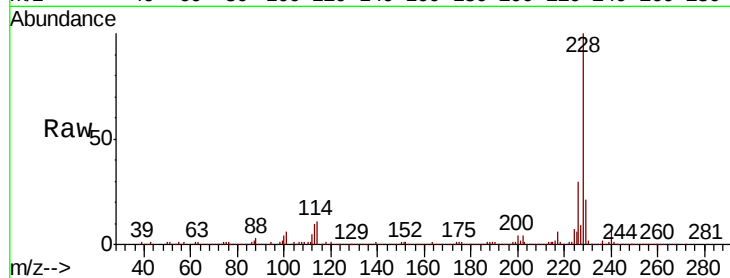
Tgt Ion:228 Resp: 1019840

Ion Ratio Lower Upper

228 100

226 29.9 22.1 33.1

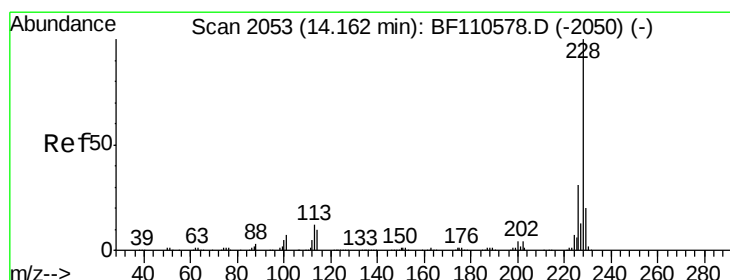
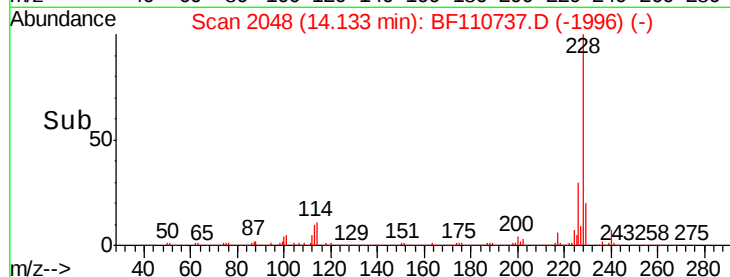
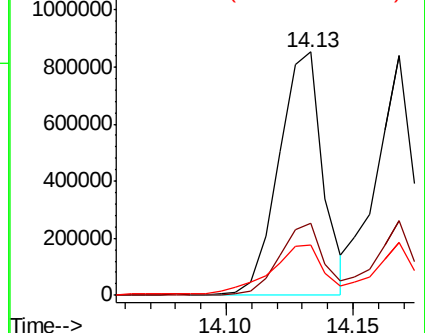
229 20.7 15.6 23.4



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



#83

Chrysene

Concen: 102.124 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

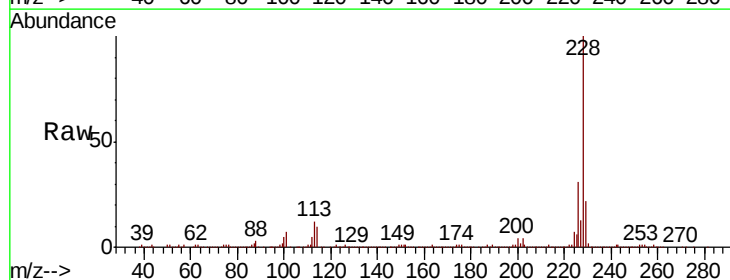
Tgt Ion:228 Resp: 820406

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

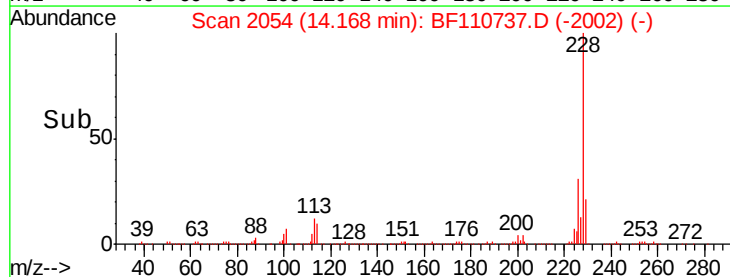
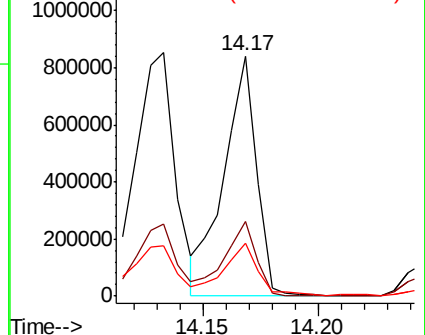
229 22.2 15.9 23.9

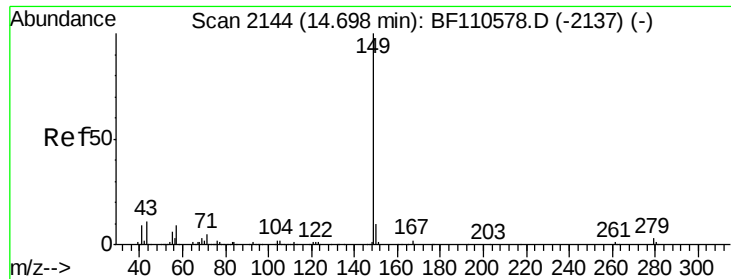


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Di-n-octyl phthalate

Concen: 4.674 ng

RT: 14.73 min Scan# 2150

Delta R.T. 0.04 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampleId :

SR-6-S

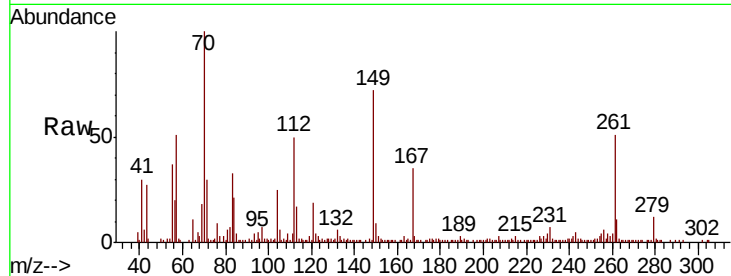
Tgt Ion:149 Resp: 39866

Ion Ratio Lower Upper

149 100

167 50.2 1.1 1.7#

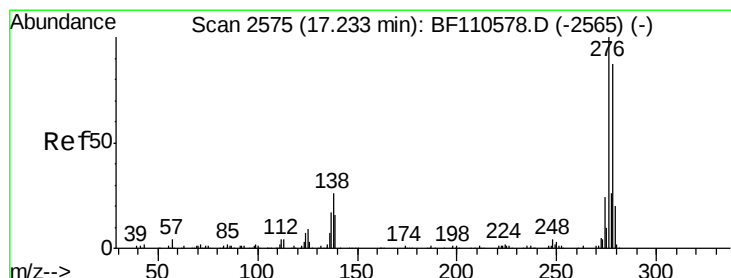
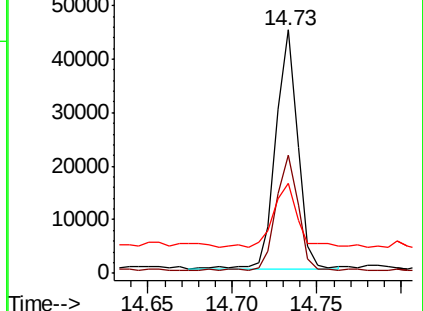
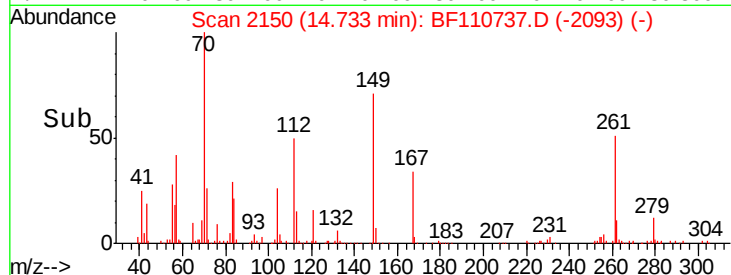
43 28.1 7.8 11.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.794 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

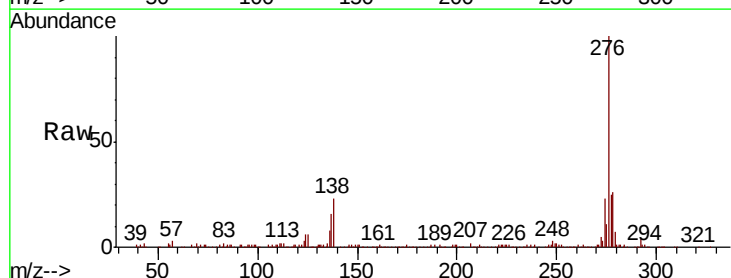
Tgt Ion:276 Resp: 310107

Ion Ratio Lower Upper

276 100

138 22.2 18.5 27.7

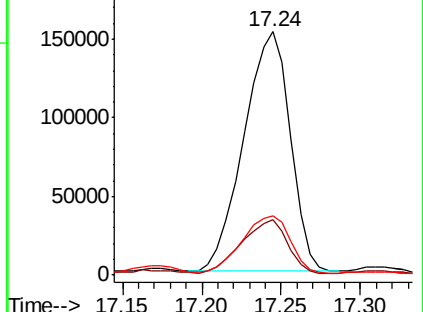
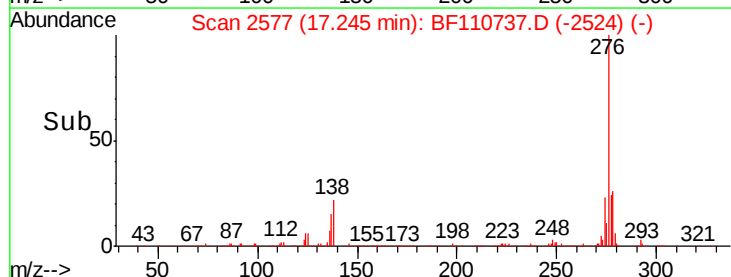
277 24.6 20.0 30.0

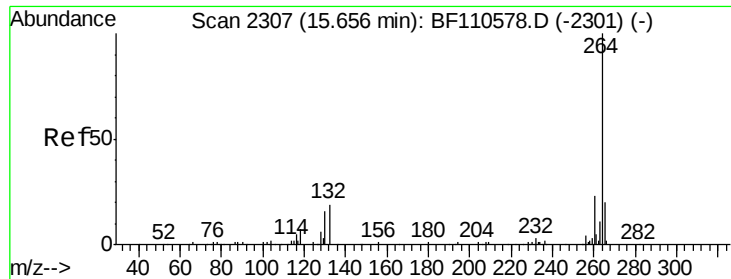


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

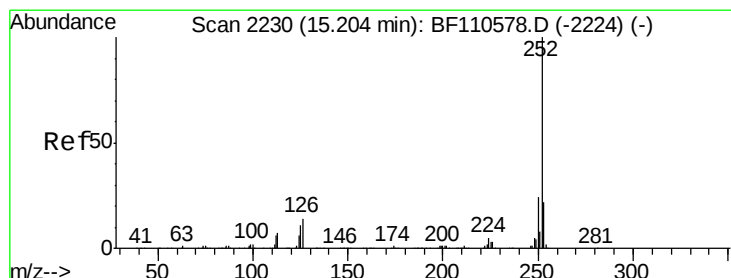
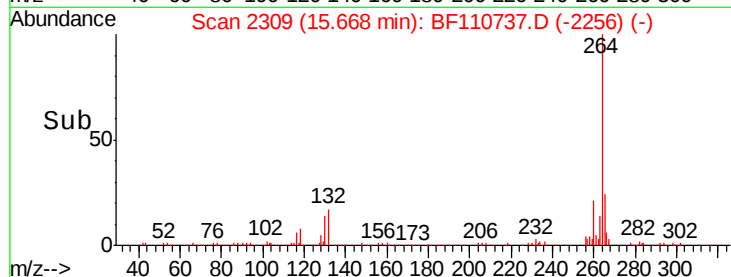
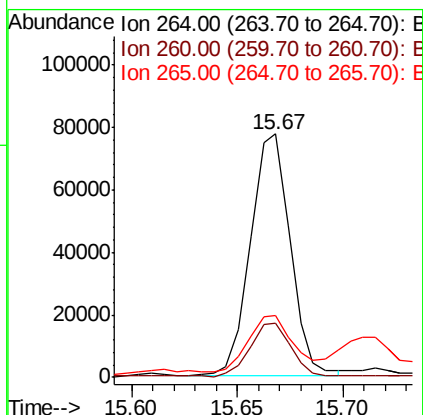
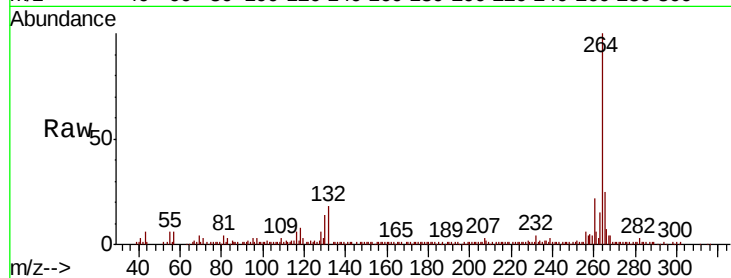




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

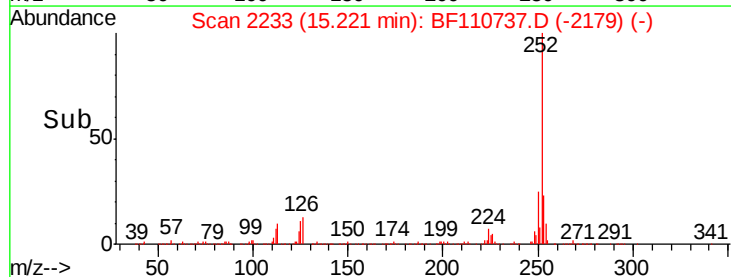
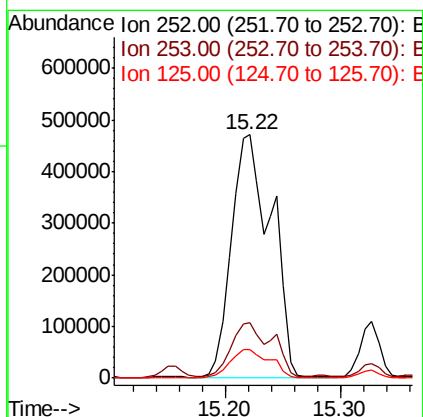
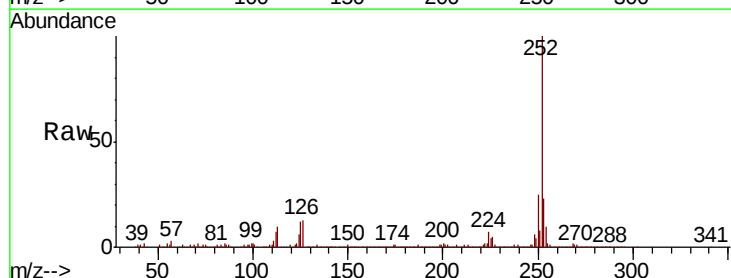
Instrument :  
BNA\_F  
ClientSampled :  
SR-6-S

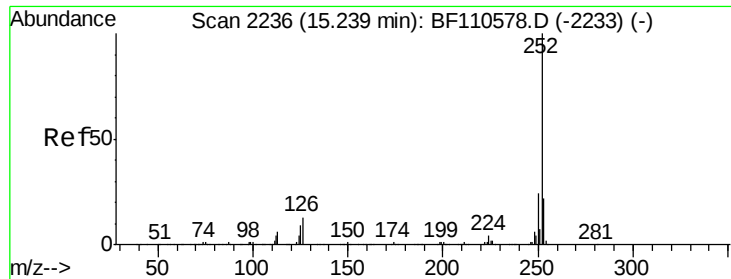
Tgt Ion:264 Resp: 101154  
Ion Ratio Lower Upper  
264 100  
260 22.2 18.7 28.1  
265 25.2 16.7 25.1#



#88  
Benzo(b)fluoranthene  
Concen: 187.168 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. 0.02 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:252 Resp: 1132627  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.2 25.8  
125 11.8 8.2 12.4

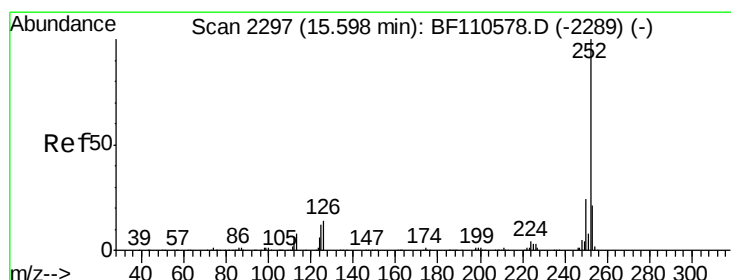
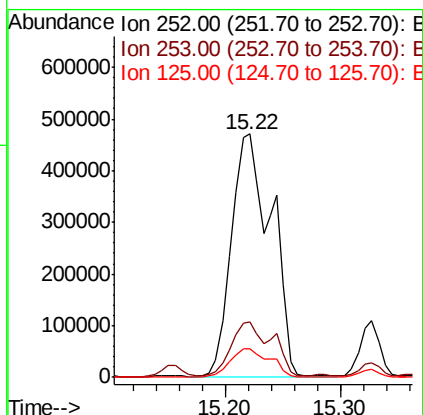
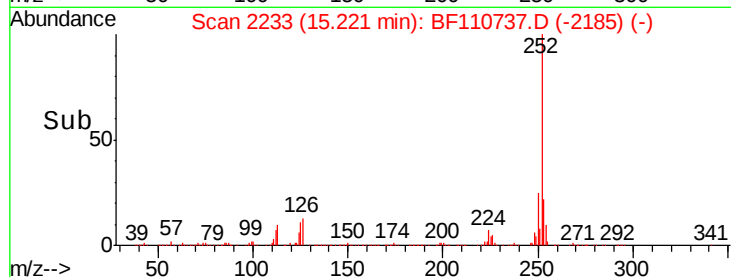
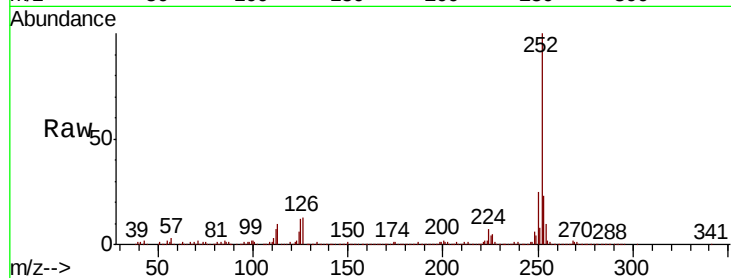




#89  
Benzo(k)fluoranthene  
Concen: 189.420 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. -0.02 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

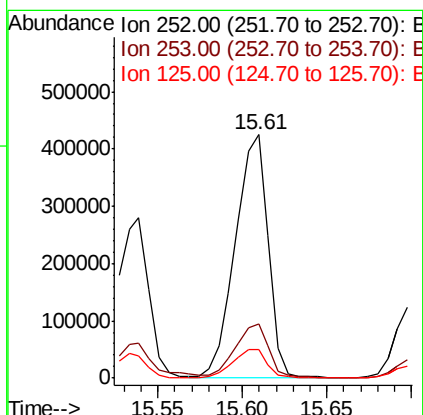
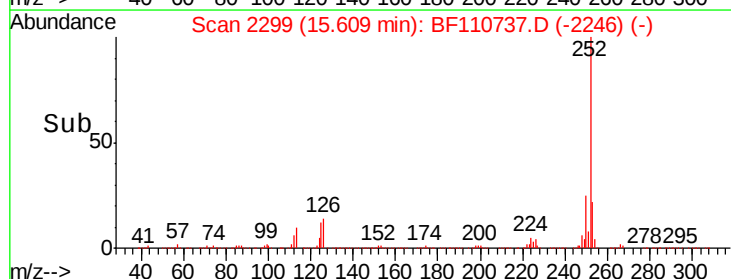
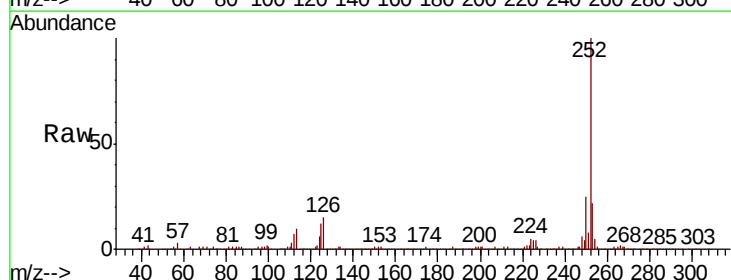
Instrument :  
BNA\_F  
ClientSampleId :  
SR-6-S

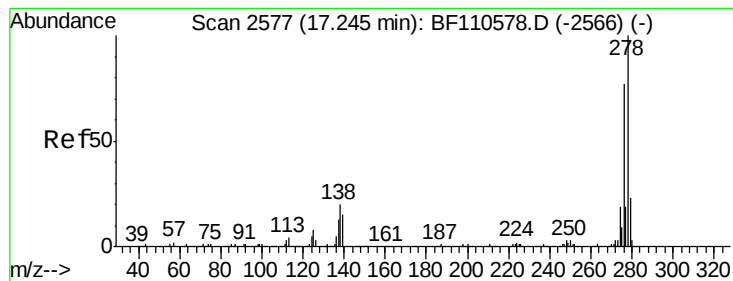
Tgt Ion:252 Resp: 1132627  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.2 25.8  
125 11.8 7.4 11.0#



#90  
Benzo(a)pyrene  
Concen: 104.319 ng  
RT: 15.61 min Scan# 2299  
Delta R.T. 0.01 min  
Lab File: BF110737.D  
Acq: 13 Nov 2018 23:33

Tgt Ion:252 Resp: 573558  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.2 27.4  
125 11.9 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 16.467 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.17 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA\_F

ClientSampled :

SR-6-S

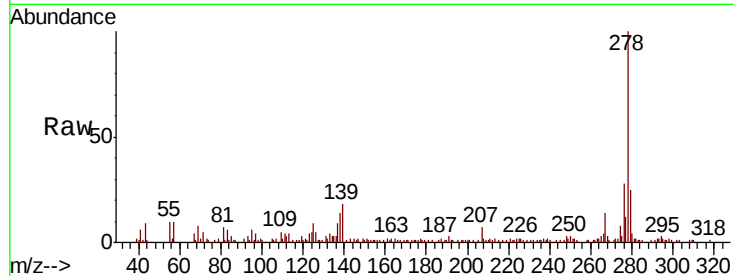
Tgt Ion:278 Resp: 76615

Ion Ratio Lower Upper

278 100

139 17.7 12.7 19.1

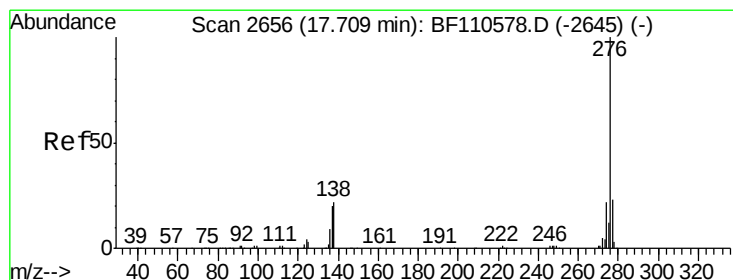
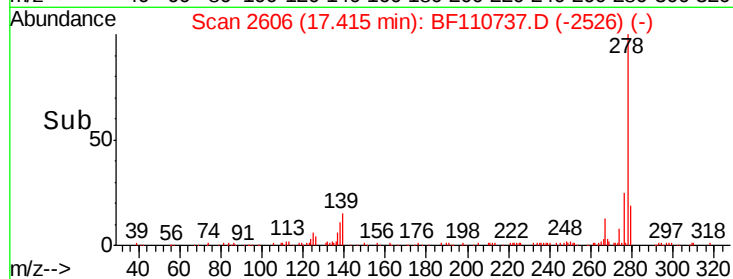
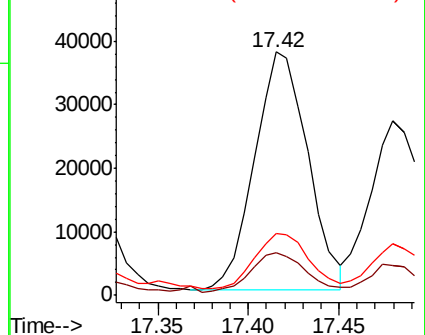
279 25.2 19.0 28.4



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



#92

Benzo(g,h,i)perylene

Concen: 61.620 ng

RT: 17.72 min Scan# 2658

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

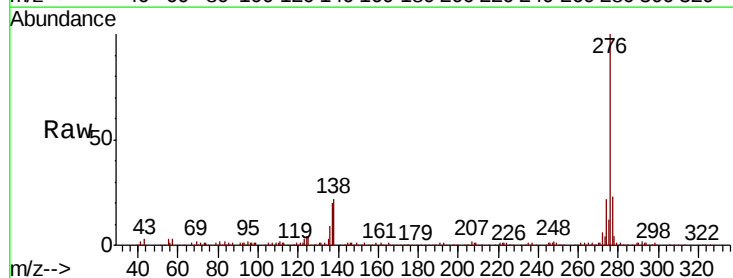
Tgt Ion:276 Resp: 284464

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 21.7 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

