

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\  
 Data File : BF099858.D  
 Acq On : 26 Oct 2017 13:43  
 Operator : SJ/JU  
 Sample : I6091-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 26 16:32:51 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 16:31:52 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 71816    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 298757   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.83  | 164  | 144561   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 259871   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 216932   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 202780   | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |      |
|-----------------------------|-------|-----|--------|--------|----|------|
| System Monitoring Compounds |       |     |        |        |    |      |
| 5) 2-Fluorophenol           | 5.42  | 112 | 593978 | 129.85 | ng | 0.01 |
| 7) Phenol-d6                | 6.44  | 99  | 724260 | 133.53 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.36  | 82  | 420123 | 90.53  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330 | 176147 | 133.71 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.16  | 172 | 878980 | 93.81  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.92 | 244 | 812820 | 81.88  | ng | 0.00 |

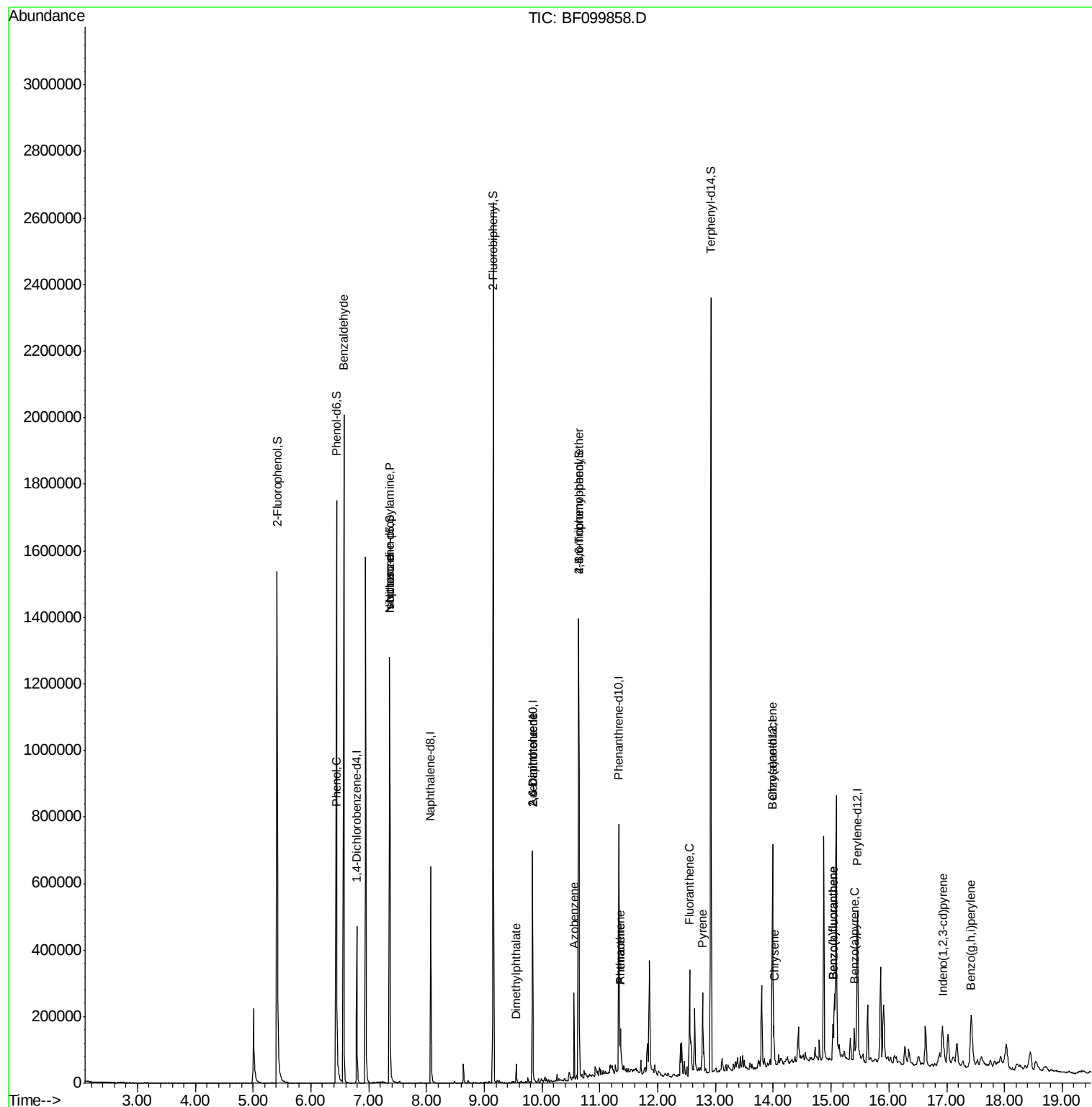
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 9) Benzaldehyde                | 6.57  | 77  | 10920  | 3.369  | ng | 92   |
| 10) Phenol                     | 6.45  | 94  | 36307  | 6.097  | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70  | 50899  | 16.013 | ng | # 73 |
| 25) Isophorone                 | 7.36  | 82  | 420123 | 49.893 | ng | # 64 |
| 49) Dimethylphthalate          | 9.55  | 163 | 26303  | 2.298  | ng | 99   |
| 50) 2,6-Dinitrotoluene         | 9.83  | 165 | 18103  | 7.522  | ng | # 24 |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165 | 18103  | 6.246  | ng | # 21 |
| 62) Azobenzene                 | 10.55 | 77  | 39938  | 4.262  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248 | 11767  | 4.301  | ng | # 1  |
| 70) Phenanthrene               | 11.36 | 178 | 41541  | 2.833  | ng | 99   |
| 71) Anthracene                 | 11.36 | 178 | 41541  | 2.791  | ng | 99   |
| 74) Fluoranthene               | 12.55 | 202 | 107102 | 7.027  | ng | 95   |
| 77) Pvrene                     | 12.78 | 202 | 91463  | 5.545  | ng | 97   |
| 80) Benzo(a)anthracene         | 13.97 | 228 | 50252  | 3.654  | ng | 96   |
| 82) Chrysene                   | 14.01 | 228 | 43768  | 3.385  | ng | 97   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.95 | 276 | 28322  | 2.386  | ng | 98   |
| 87) Benzo(b)fluoranthene       | 15.03 | 252 | 79989  | 6.247  | ng | # 93 |
| 88) Benzo(k)fluoranthene       | 15.03 | 252 | 79989  | 6.625  | ng | 95   |
| 89) Benzo(a)pvrene             | 15.40 | 252 | 41550  | 3.612  | ng | # 95 |
| 91) Benzo(a,h,i)perylene       | 17.40 | 276 | 26700  | 2.670  | ng | # 85 |

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

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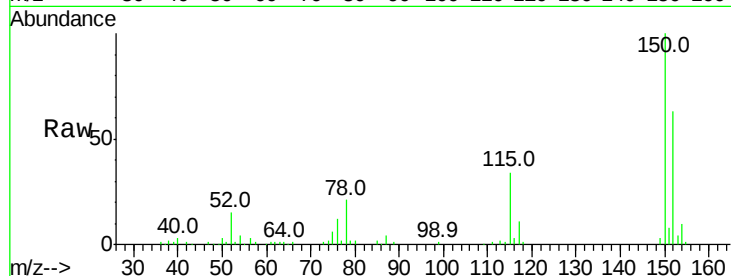


#1

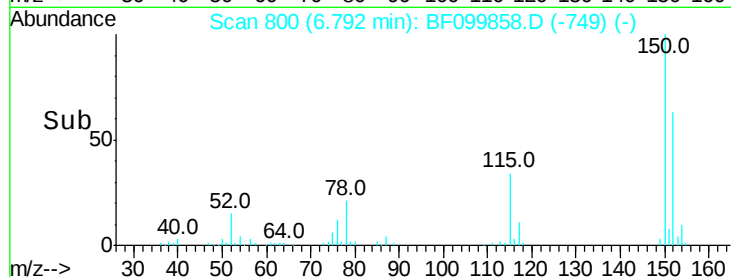
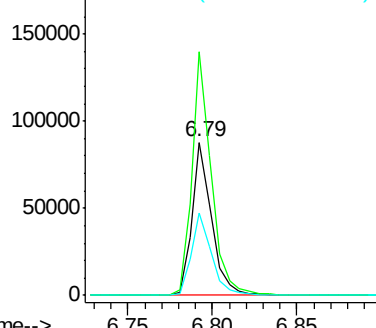
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 71816  
Ion Ratio Lower Upper  
152 100  
150 159.1 124.6 186.8  
115 53.8 50.1 75.1



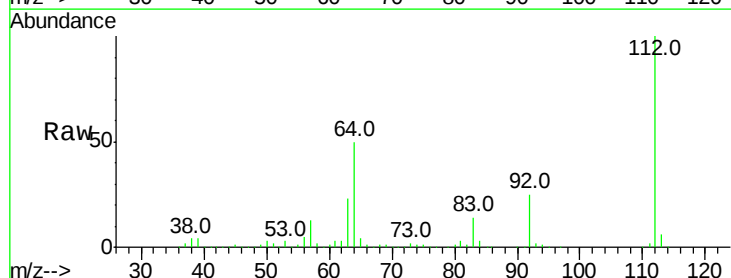
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



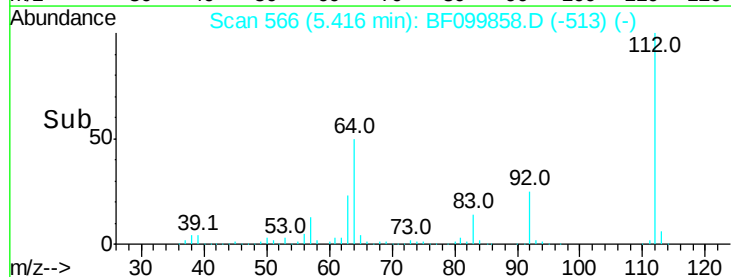
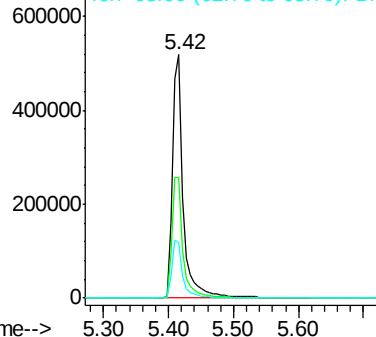
#5

2-Fluorophenol  
Concen: 129.849 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:112 Resp: 593978  
Ion Ratio Lower Upper  
112 100  
64 49.8 47.9 71.9  
63 23.0 23.7 35.5#



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: 133.531 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

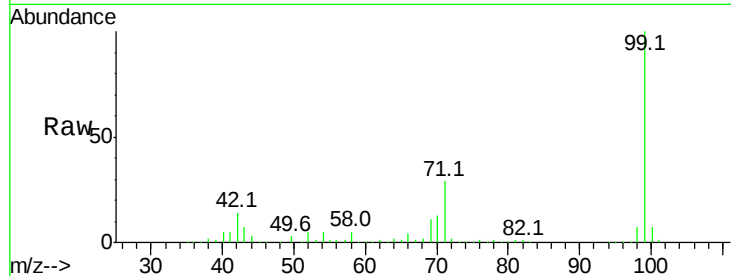
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 724260

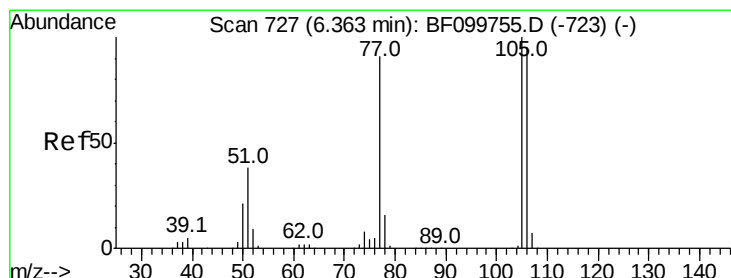
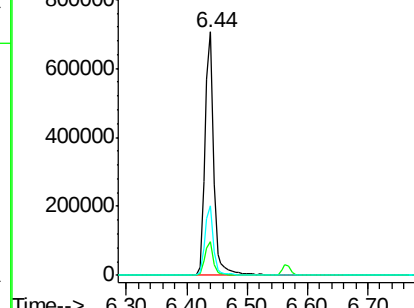
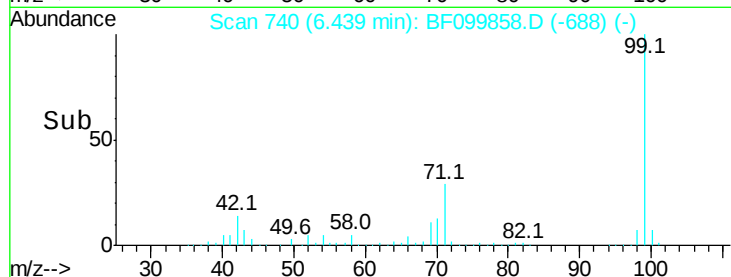
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.8  | 14.5  | 21.7# |
| 71  | 28.8  | 25.4  | 38.0  |



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



#9

Benzaldehyde

Concen: 3.369 ng

RT: 6.57 min Scan# 762

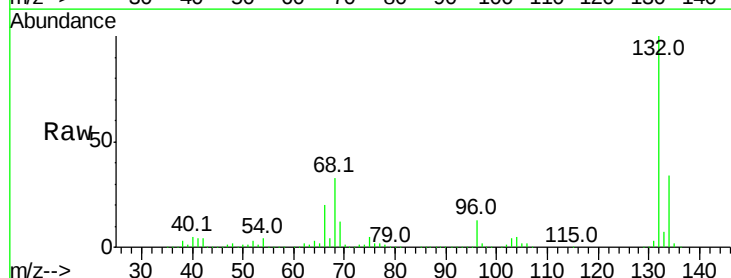
Delta R.T. 0.22 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Tgt Ion: 77 Resp: 10920

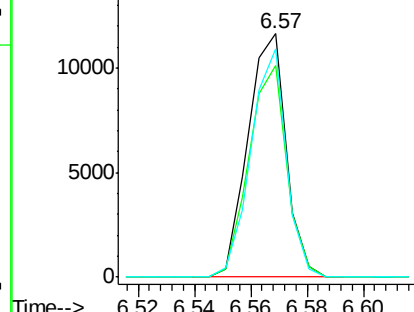
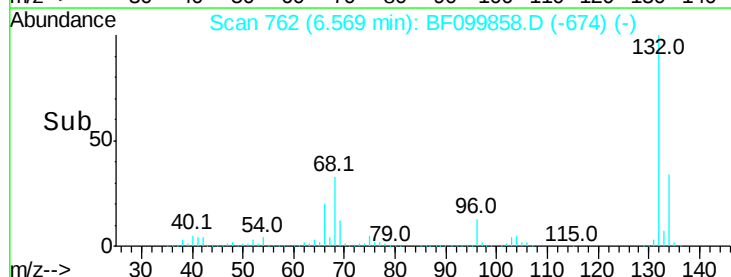
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 86.9  | 81.1  | 121.1 |
| 106 | 94.0  | 74.5  | 114.5 |

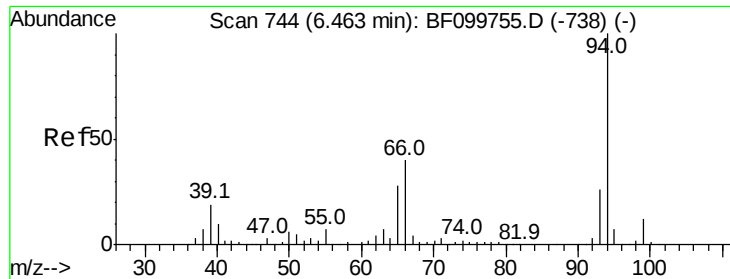


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.097 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Instrument :

BNA\_F

ClientSampleId :

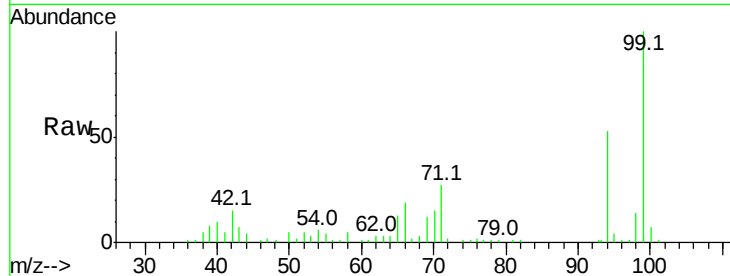
Tot Ion: 94 Resp: 36307

Ion Ratio Lower Upper

94 100

65 24.6 7.9 47.9

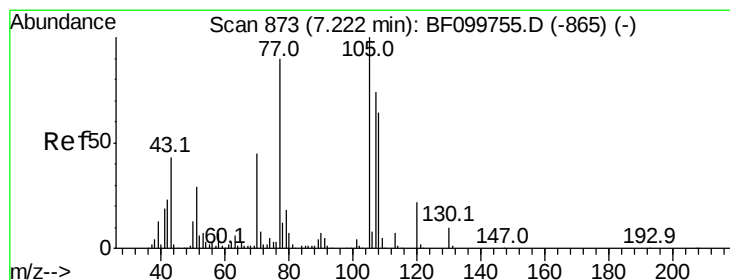
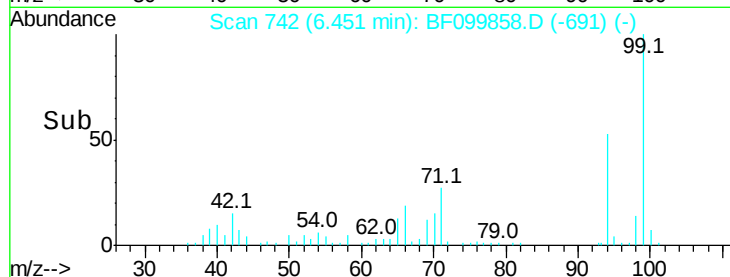
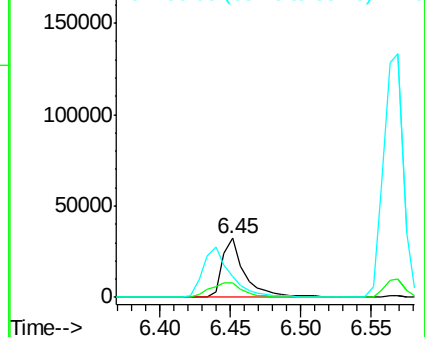
66 36.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.013 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Tgt Ion: 70 Resp: 50899

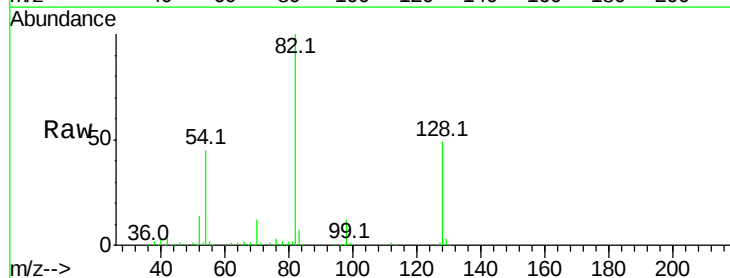
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

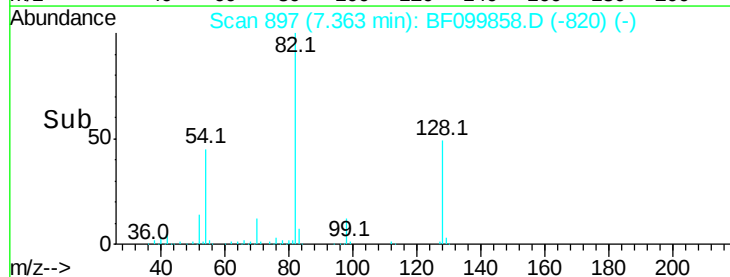
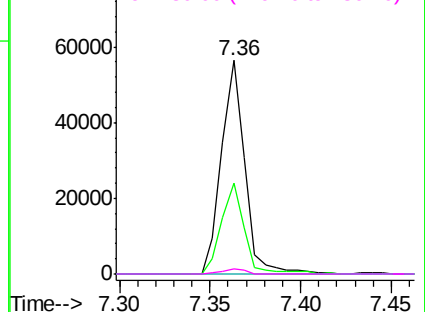


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

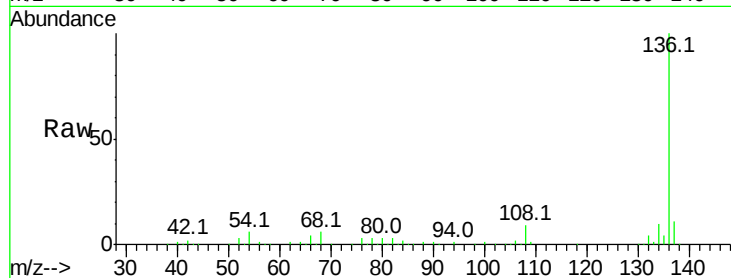




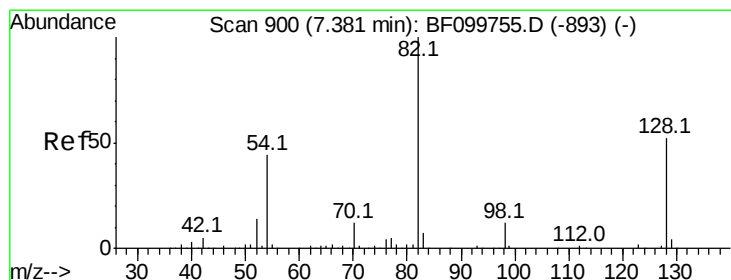
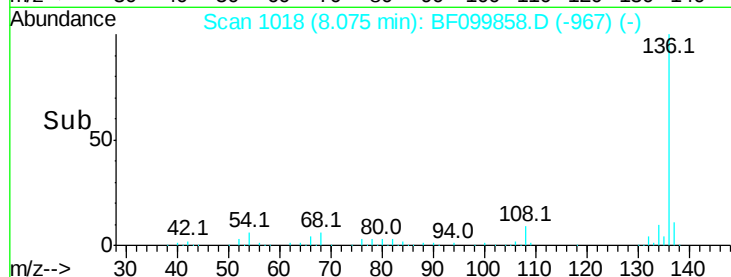
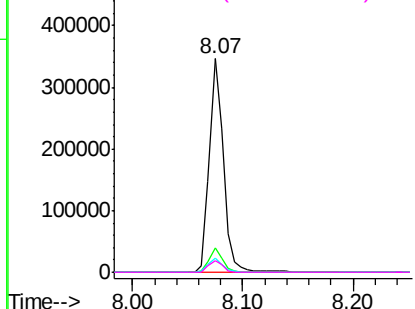
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 298757 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.9   | 13.3   |
| 54       | 6.4   | 6.6   | 9.8#   |
| 68       | 5.5   | 5.0   | 7.4    |

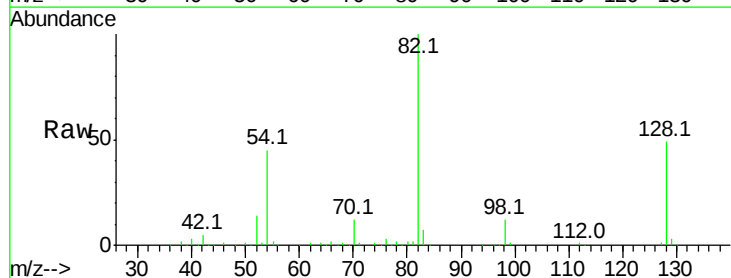


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

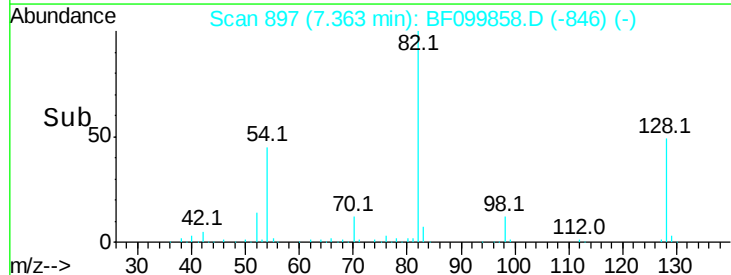
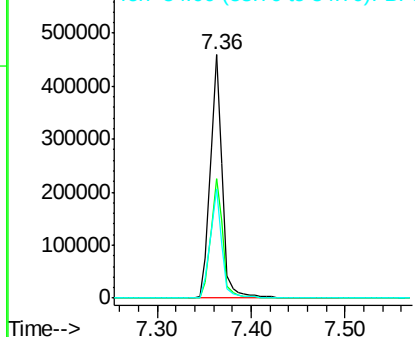


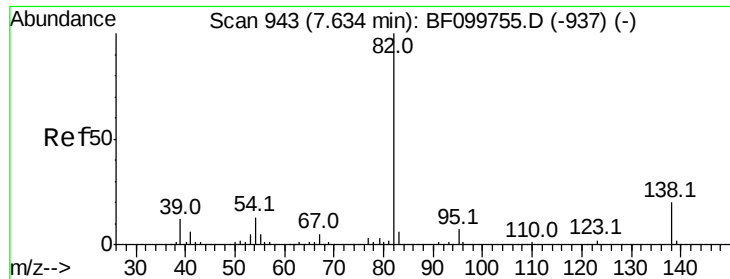
#23  
Nitrobenzene-d5  
Concen: 90.534 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 420123 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.9  | 36.1  | 54.1   |
| 54       | 44.7  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.893 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Instrument :

BNA\_F

ClientSampleId :

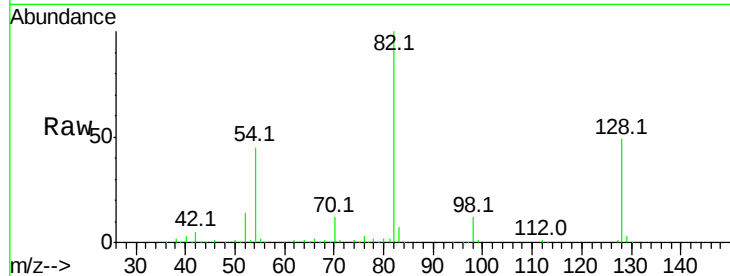
Tot Ion: 82 Resp: 420123

Ion Ratio Lower Upper

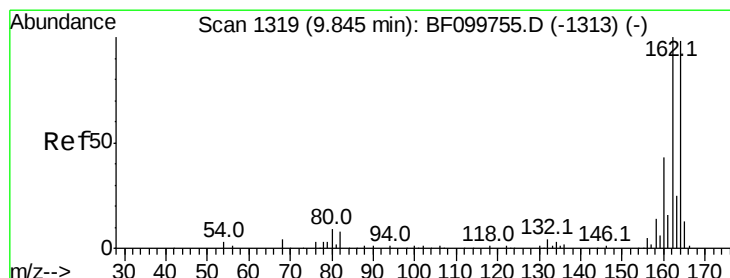
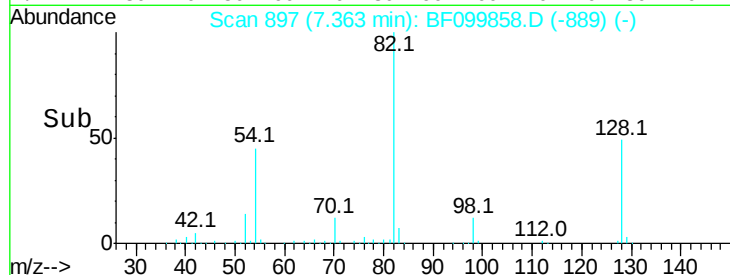
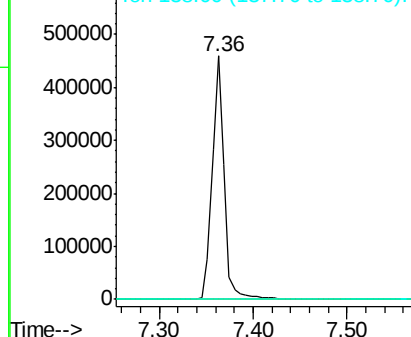
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

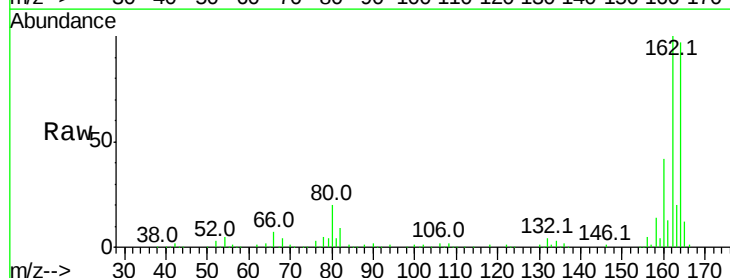
Tgt Ion:164 Resp: 144561

Ion Ratio Lower Upper

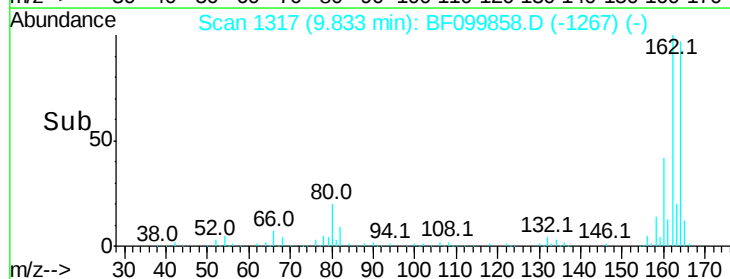
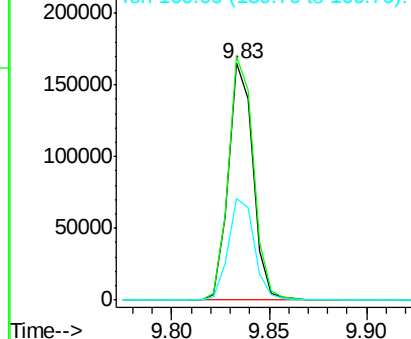
164 100

162 102.9 86.1 129.1

160 43.1 38.3 57.5



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

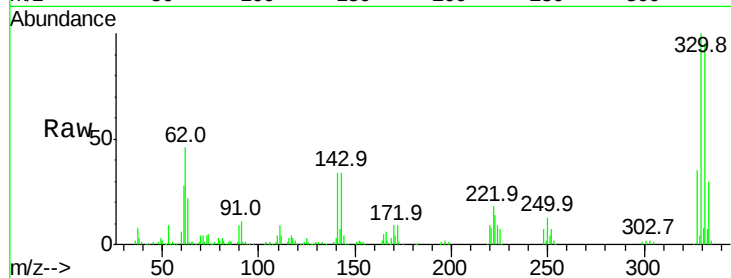




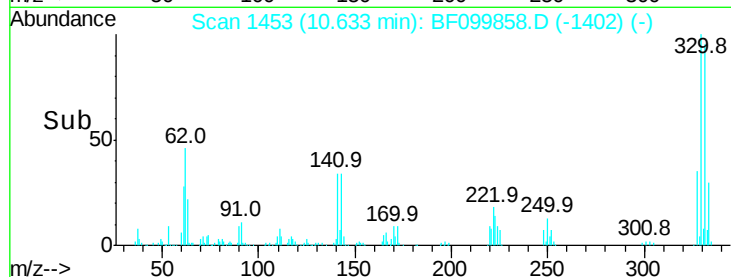
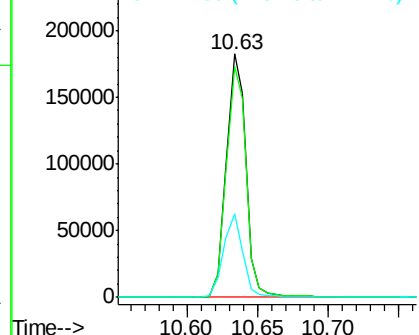
#41  
 2,4,6-Tribromophenol  
 Concen: 133.707 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | 330  | 332 | 141 | Ratio | Lower | Upper |
|---------|------|-----|-----|-------|-------|-------|
| 330     | 100  |     |     |       |       |       |
| 332     | 96.6 |     |     | 77.0  | 115.6 |       |
| 141     | 34.1 |     |     | 29.9  | 44.9  |       |

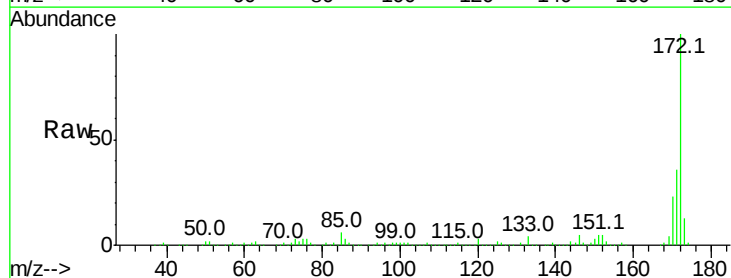


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

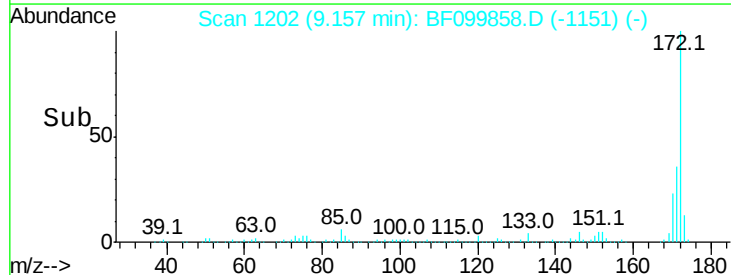
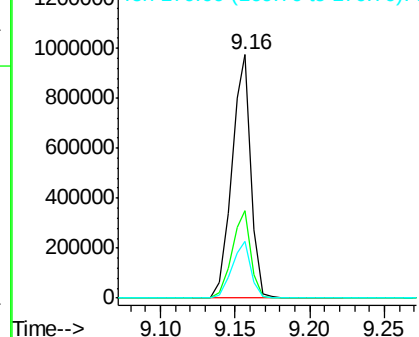


#44  
 2-Fluorobiphenyl  
 Concen: 93.810 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

| Tgt Ion | 172  | 171 | 170 | Ratio | Lower | Upper |
|---------|------|-----|-----|-------|-------|-------|
| 172     | 100  |     |     |       |       |       |
| 171     | 35.7 |     |     | 29.7  | 44.5  |       |
| 170     | 23.4 |     |     | 19.6  | 29.4  |       |



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

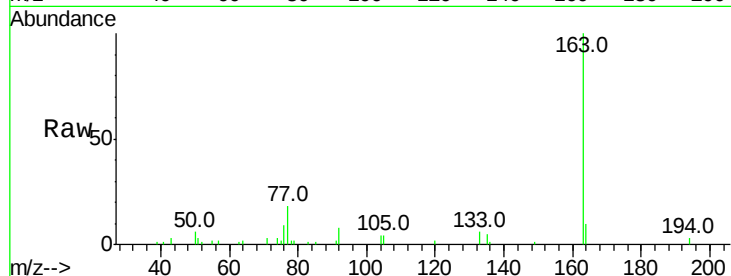




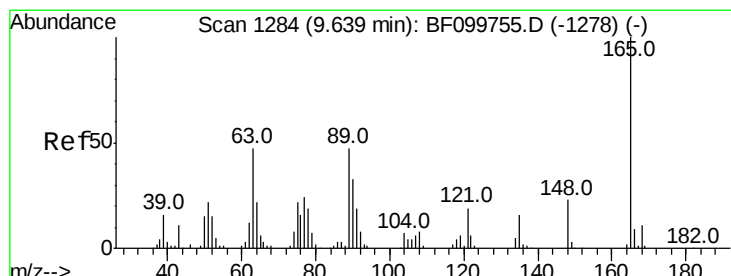
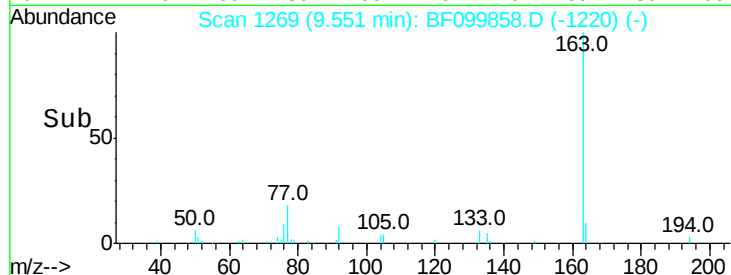
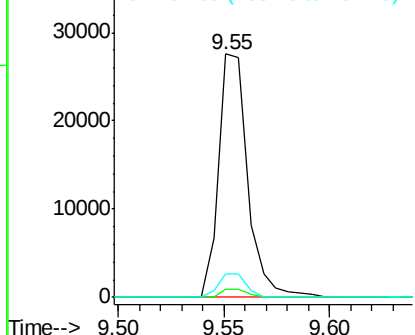
#49  
Dimethylphthalate  
Concen: 2.298 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 26303  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.8 8.2 12.2

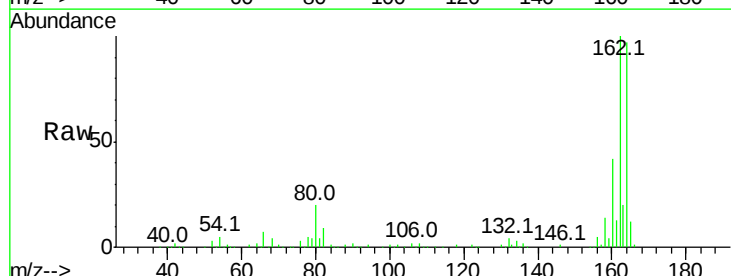


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

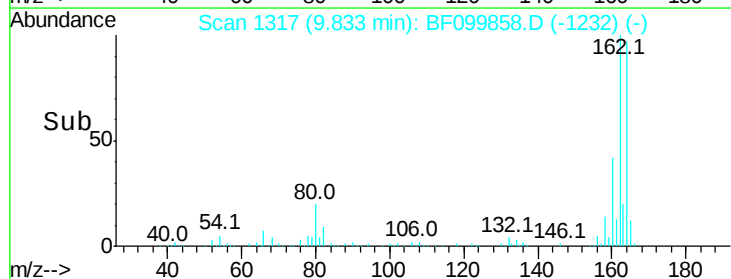
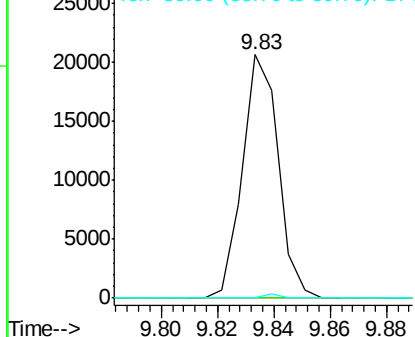


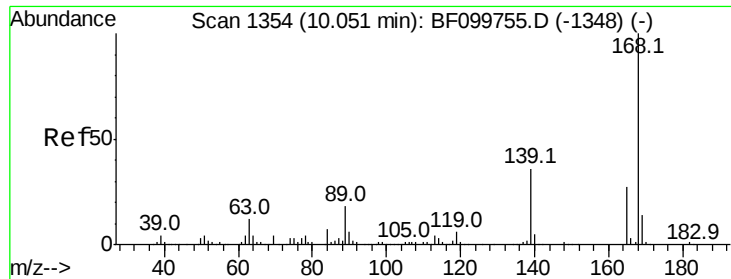
#50  
2,6-Dinitrotoluene  
Concen: 7.522 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.20 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:165 Resp: 18103  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

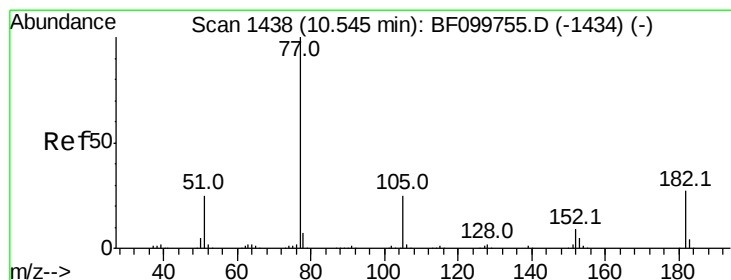
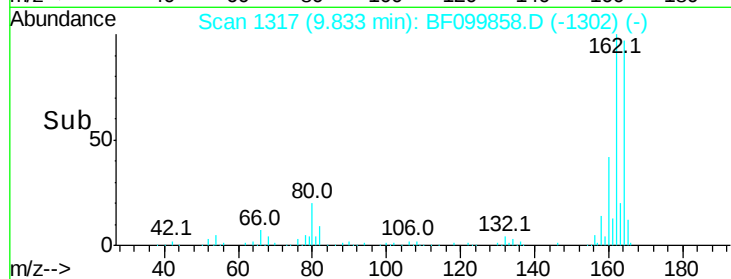
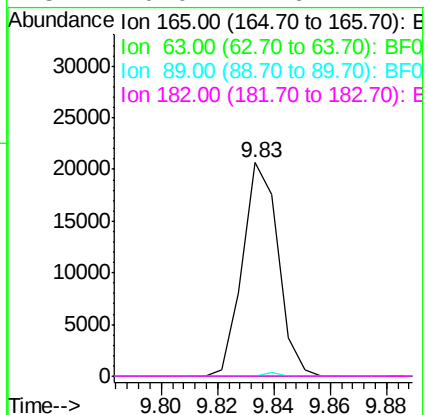
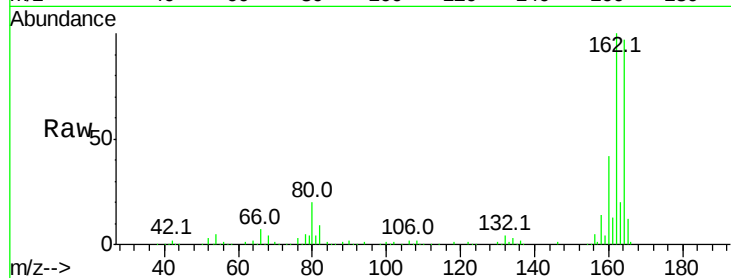




#56  
 2,4-Dinitrotoluene  
 Concen: 6.246 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.21 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

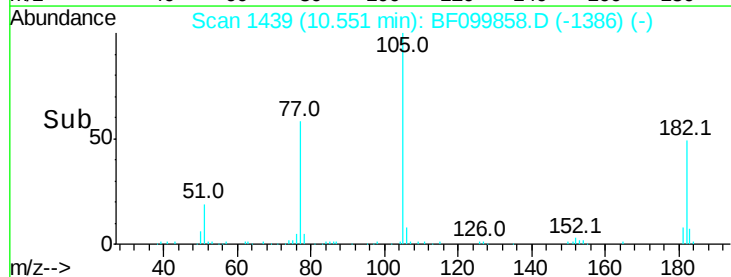
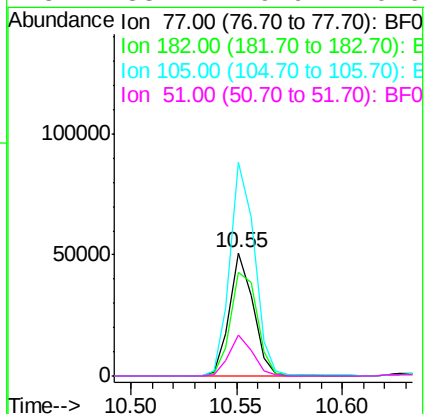
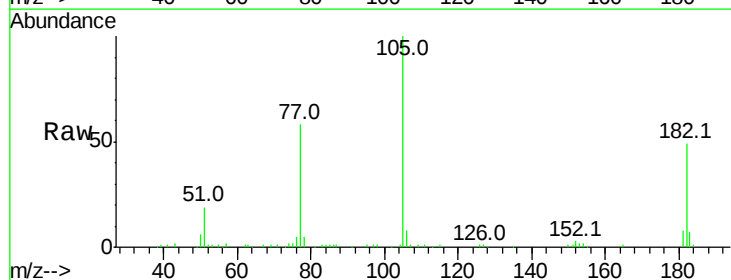
Instrument :  
 BNA\_F  
 ClientSampleId :

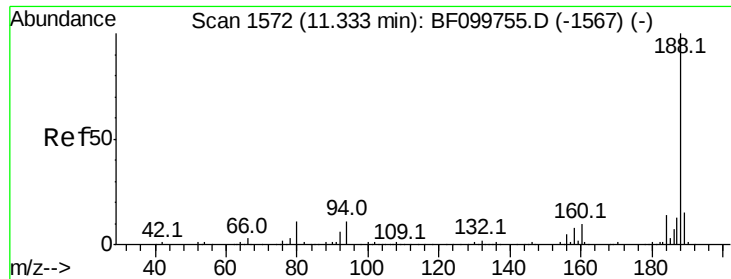
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 18103 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 36.4  | 54.6# |
| 89       | 0.0   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#62  
 Azobenzene  
 Concen: 4.262 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. 0.01 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 39938 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 84.5  | 1.7   | 41.7# |
| 105      | 173.7 | 3.0   | 43.0# |
| 51       | 33.1  | 9.9   | 49.9  |

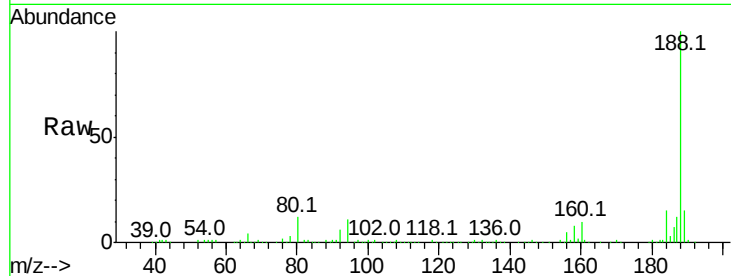




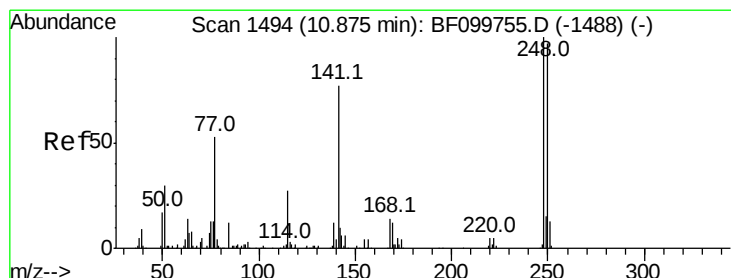
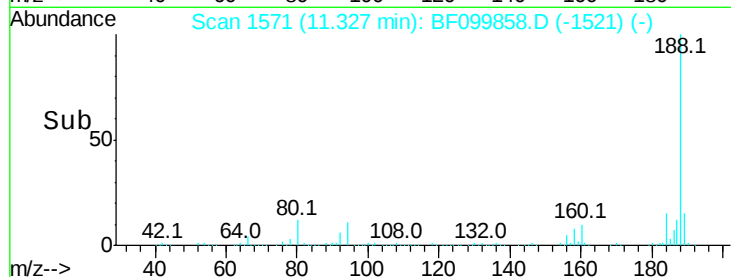
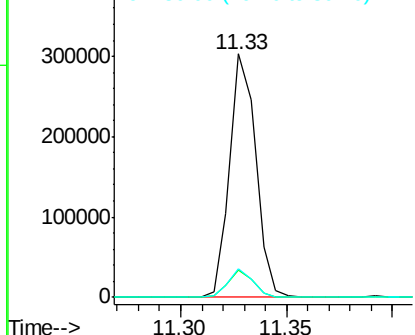
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1571  
 Delta R.T. -0.01 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 259871  
 Ion Ratio Lower Upper  
 188 100  
 94 11.4 8.5 12.7  
 80 11.8 9.2 13.8

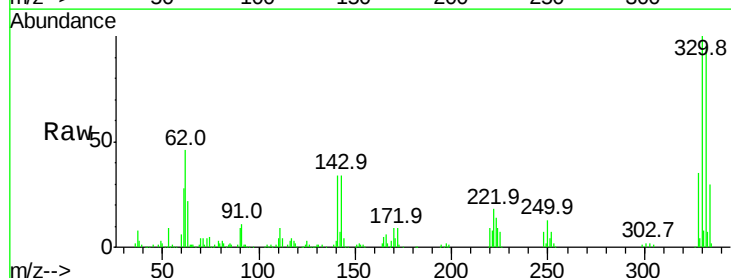


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

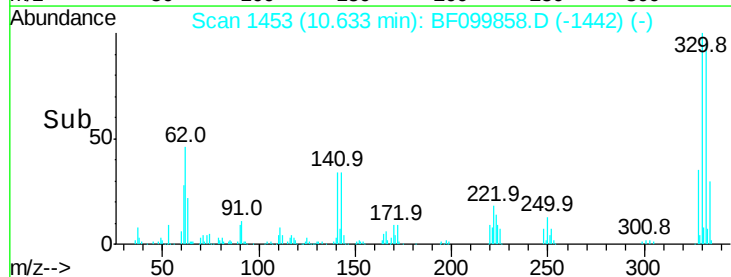
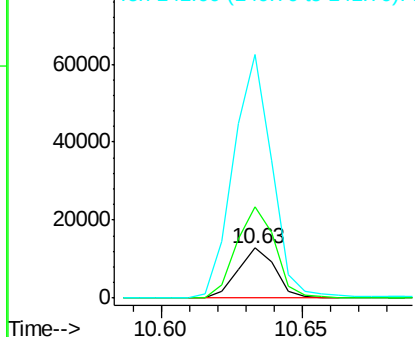


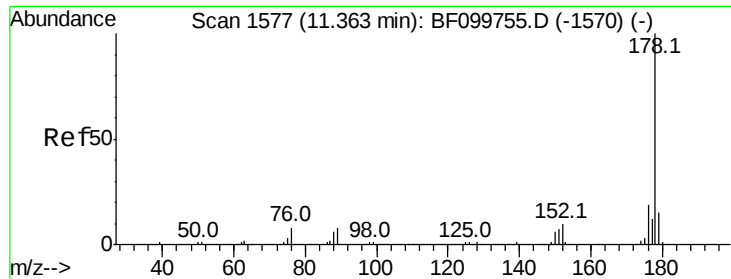
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.301 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.24 min  
 Lab File: BF099858.D  
 Acq: 26 Oct 2017 13:43

Tgt Ion:248 Resp: 11767  
 Ion Ratio Lower Upper  
 248 100  
 250 181.6 76.9 115.3#  
 141 484.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

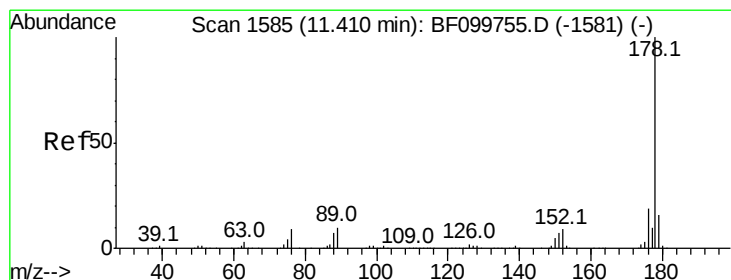
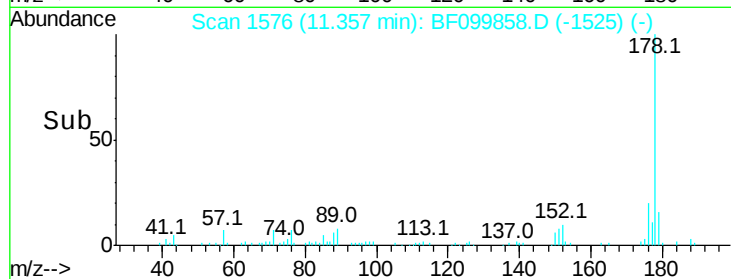
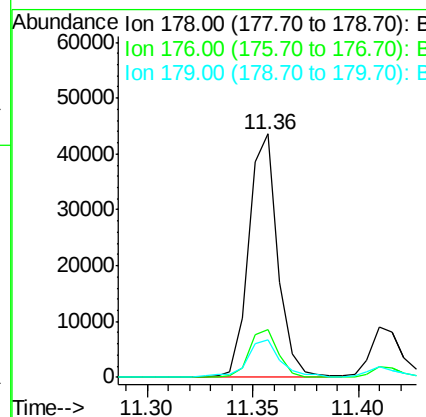
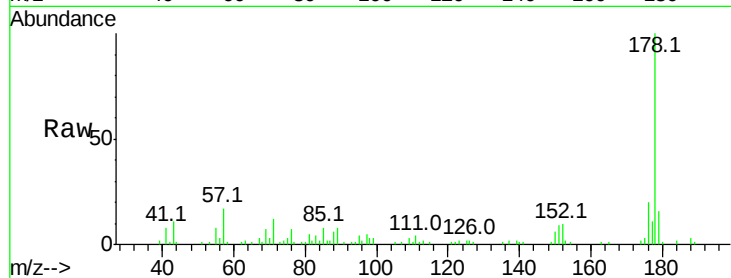




#70  
Phenanthrene  
Concen: 2.833 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

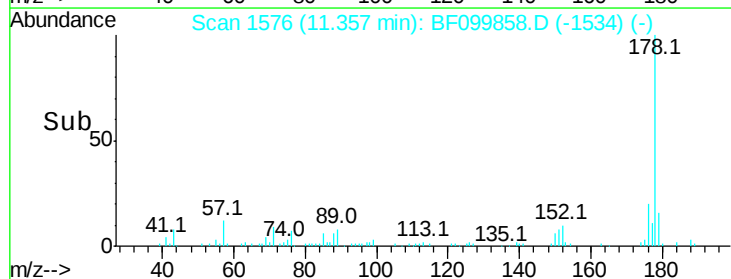
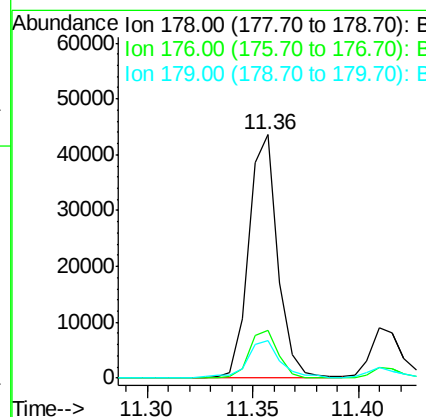
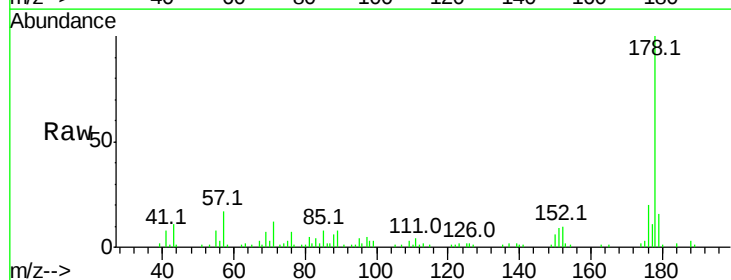
Instrument :  
BNA\_F  
ClientSampled :

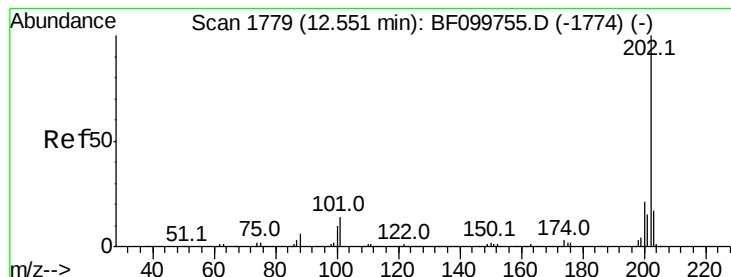
Tot Ion:178 Resp: 41541  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.8 23.8  
179 15.6 13.0 19.6



#71  
Anthracene  
Concen: 2.791 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.05 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:178 Resp: 41541  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.4 23.2  
179 15.6 12.6 19.0





#74

Fluoranthene

Concen: 7.027 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Instrument :

BNA\_F

ClientSampleId :

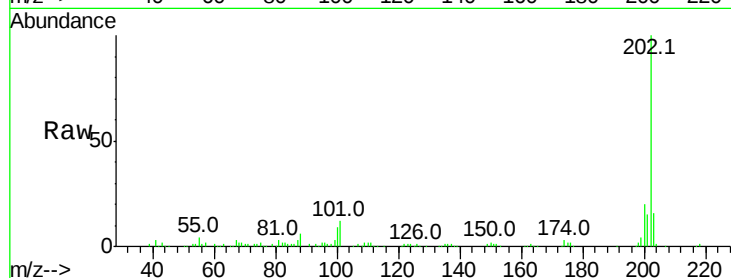
Tot Ion:202 Resp: 107102

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

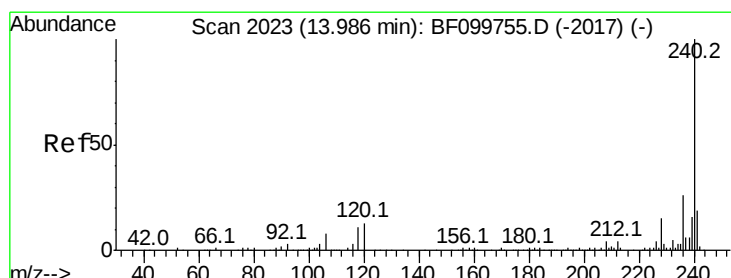
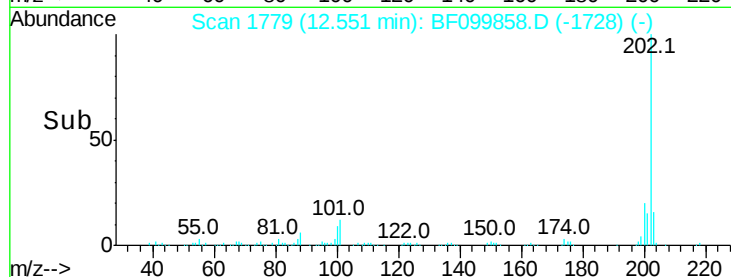
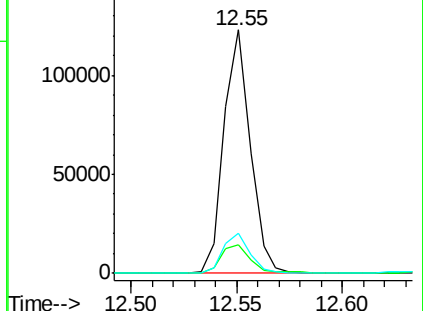
203 16.2 0.0 38.1



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: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

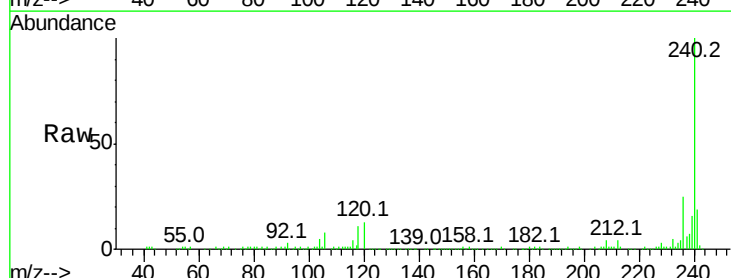
Tgt Ion:240 Resp: 216932

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

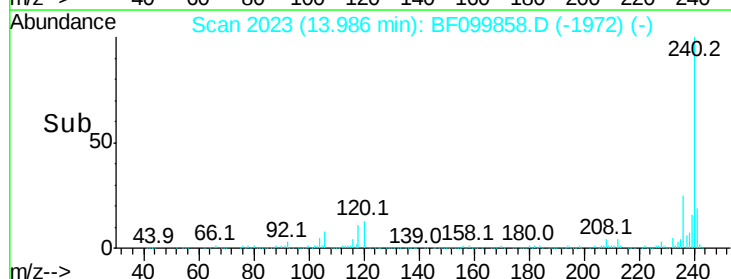
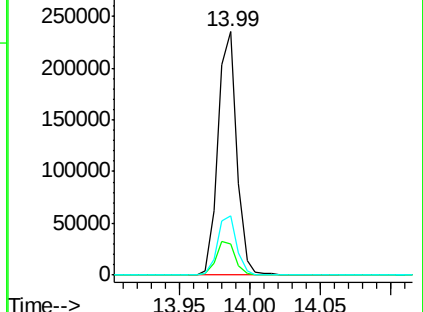
236 24.6 20.7 31.1

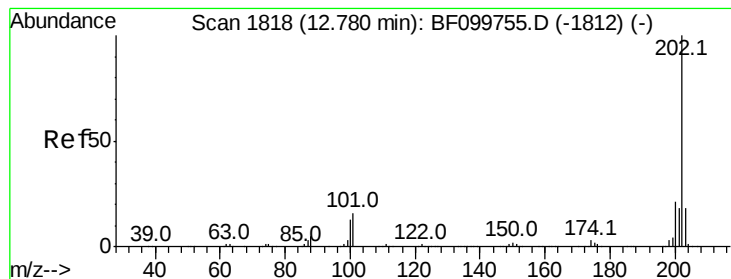


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.545 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

Instrument :

BNA\_F

ClientSampled :

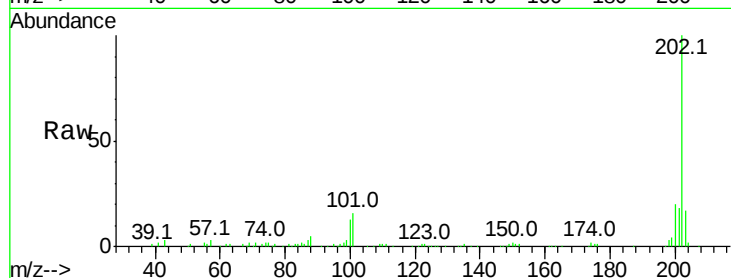
Tot Ion:202 Resp: 91463

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

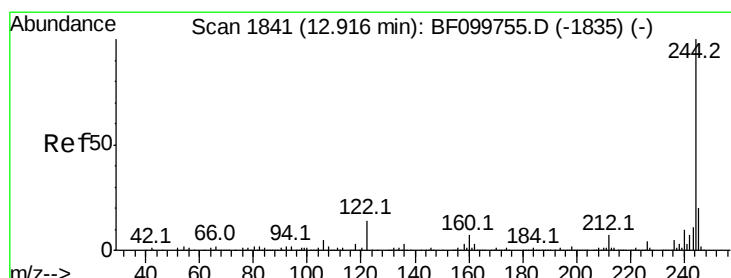
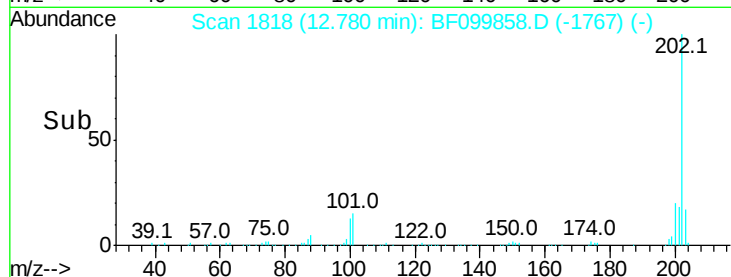
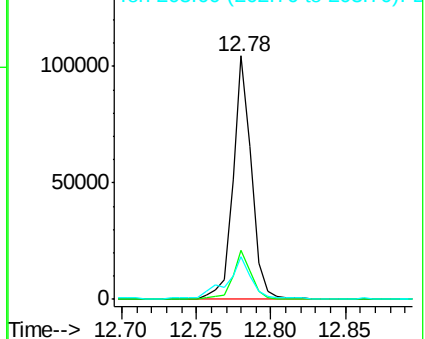
203 17.3 14.3 21.5



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: 81.883 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF099858.D

Acq: 26 Oct 2017 13:43

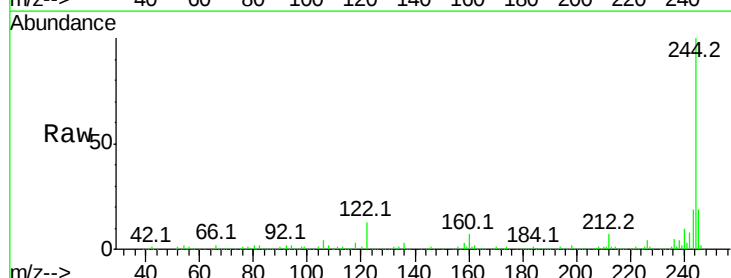
Tgt Ion:244 Resp: 812820

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

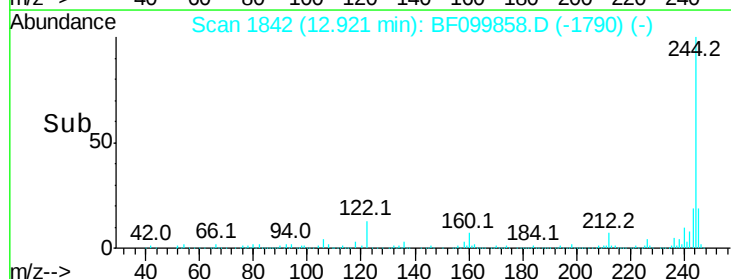
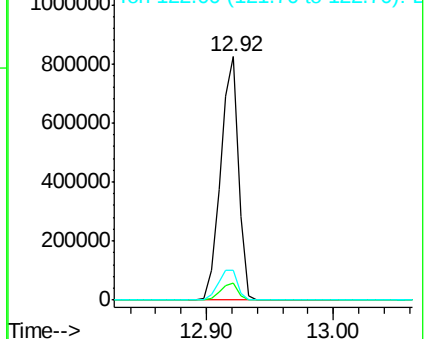
122 12.5 11.0 16.4

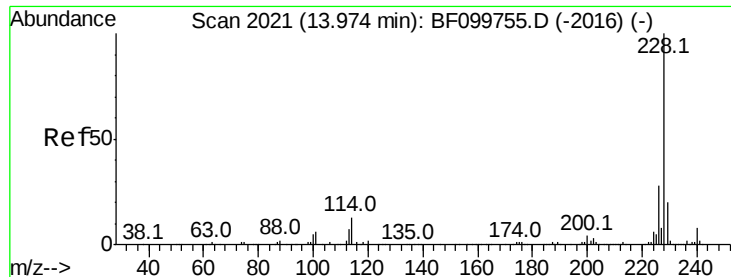


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

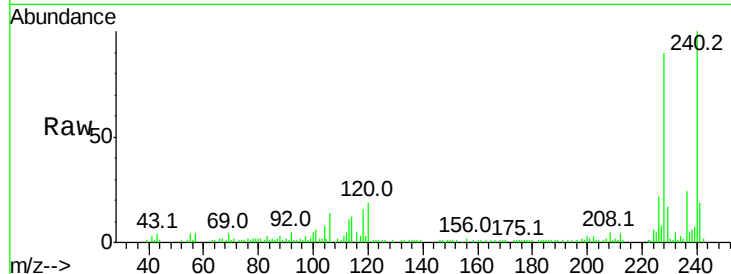




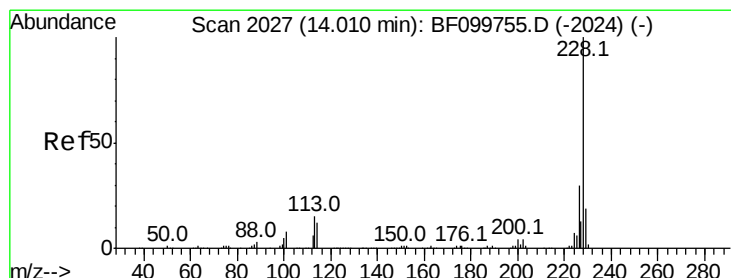
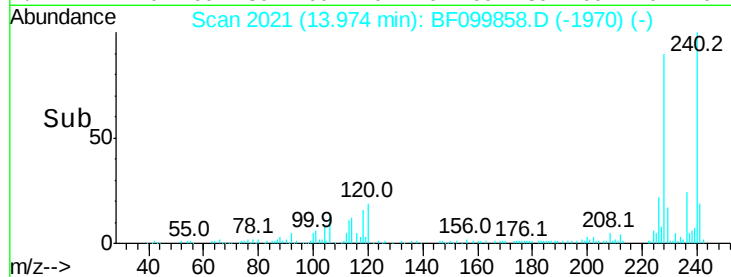
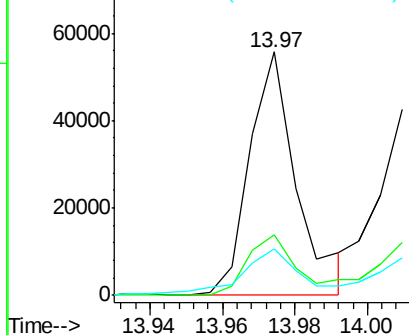
#80  
Benzo(a)anthracene  
Concen: 3.654 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 50252  
Ion Ratio Lower Upper  
228 100  
226 25.0 22.6 33.8  
229 19.3 15.8 23.6

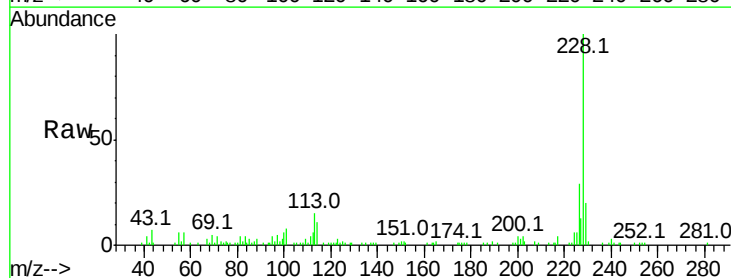


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

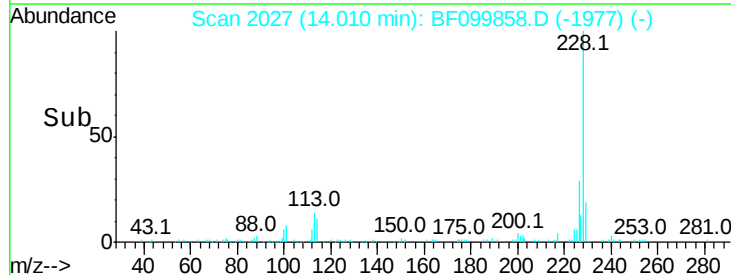
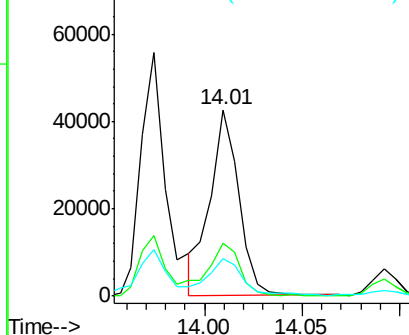


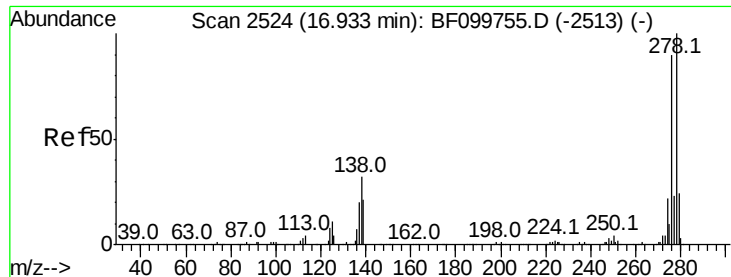
#82  
Chrysene  
Concen: 3.385 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:228 Resp: 43768  
Ion Ratio Lower Upper  
228 100  
226 28.6 25.0 37.6  
229 20.2 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

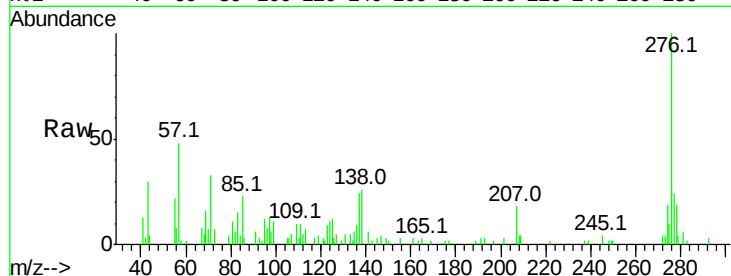




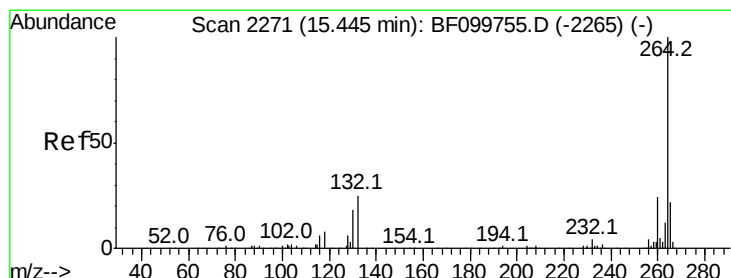
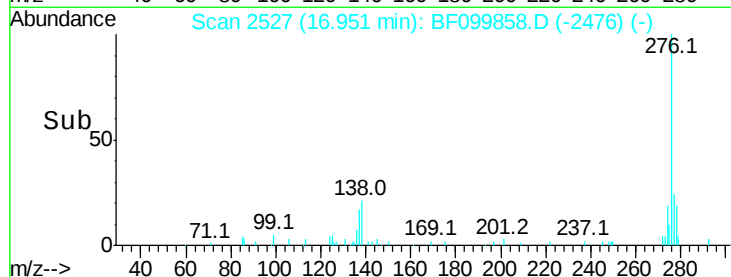
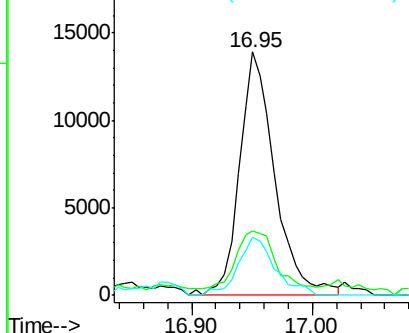
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.386 ng  
RT: 16.95 min Scan# 2527  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:276 Resp: 28322  
Ion Ratio Lower Upper  
276 100  
138 33.1 25.0 37.6  
277 25.2 20.1 30.1

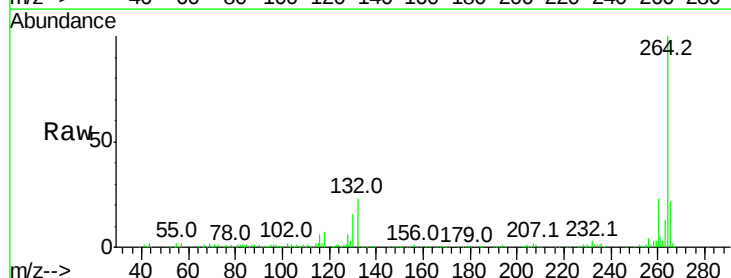


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

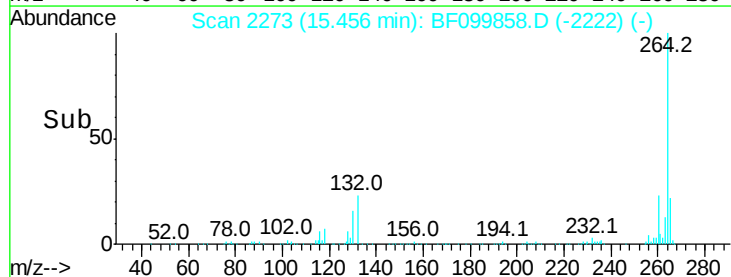
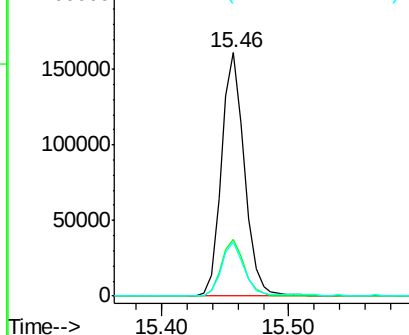


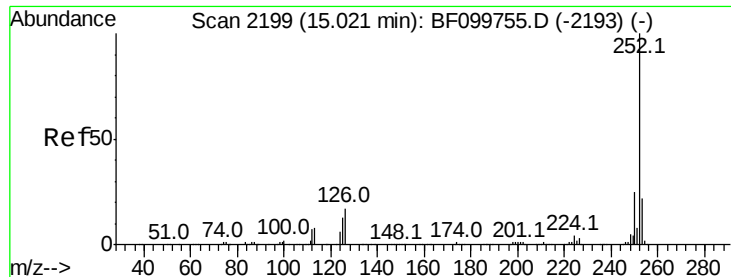
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:264 Resp: 202780  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.2 28.8  
265 22.1 17.5 26.3



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

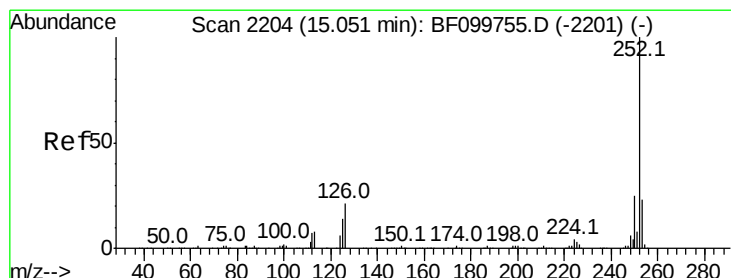
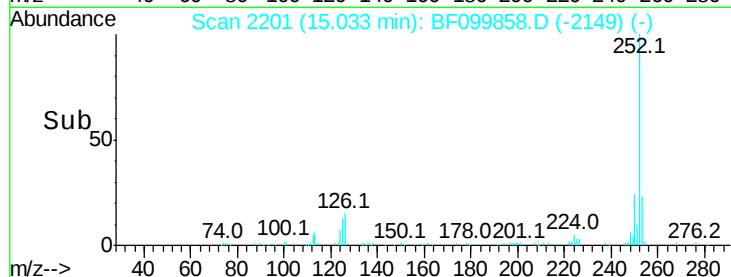
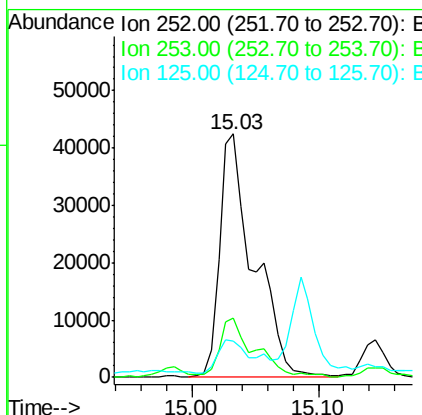
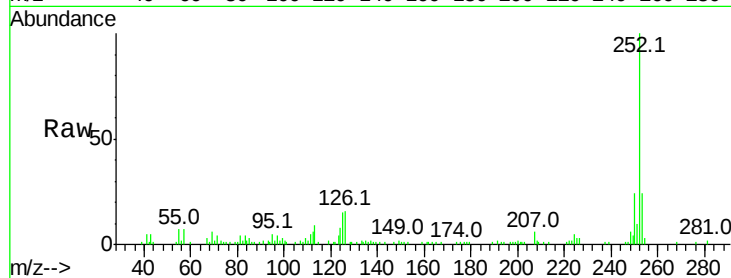




#87  
Benzo(b)fluoranthene  
Concen: 6.247 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. 0.01 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

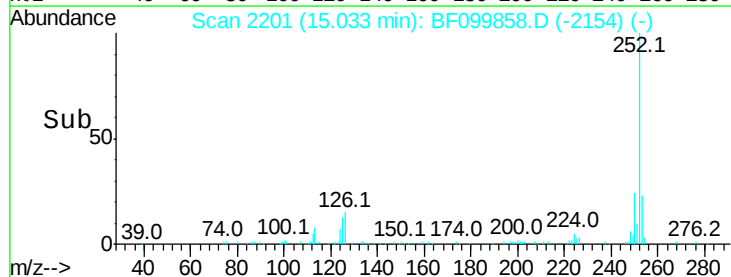
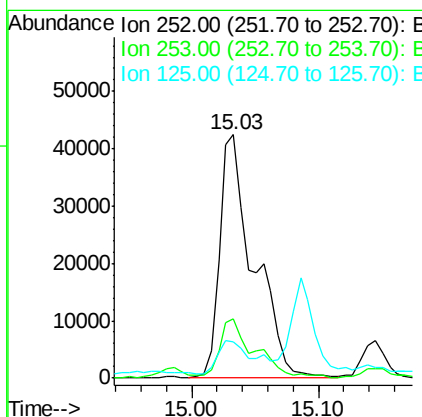
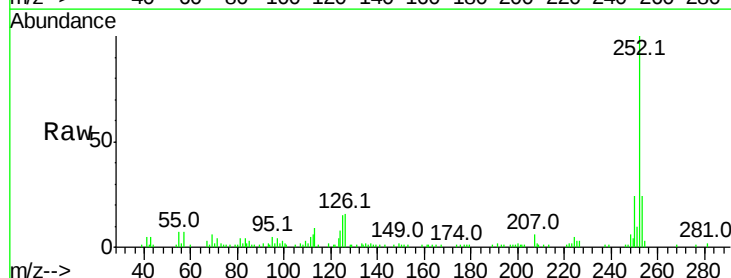
Instrument :  
BNA\_F  
ClientSampleId :

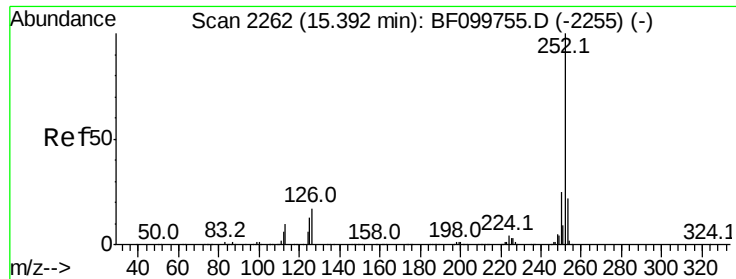
Tot Ion:252 Resp: 79989  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.0 25.6  
125 15.1 9.0 13.6#



#88  
Benzo(k)fluoranthene  
Concen: 6.625 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. -0.02 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:252 Resp: 79989  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.9 26.9  
125 15.1 10.2 15.2

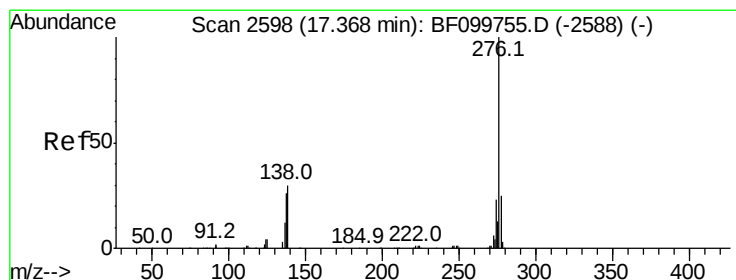
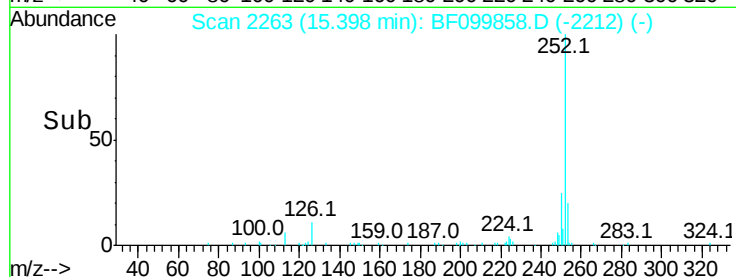
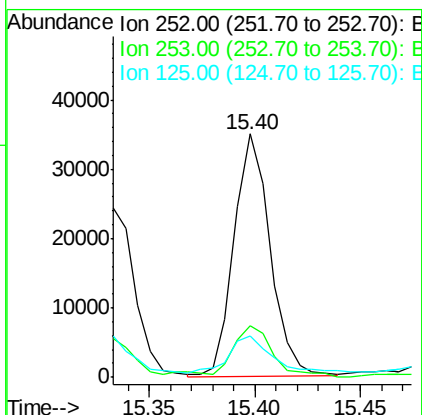
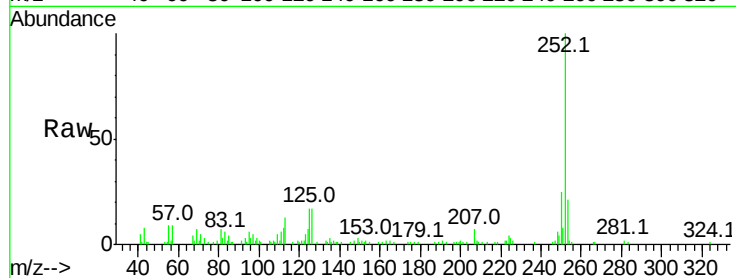




#89  
Benzo(a)pyrene  
Concen: 3.612 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 41550  
Ion Ratio Lower Upper  
252 100  
253 21.0 17.1 25.7  
125 17.1 9.8 14.6#



#91  
Benzo(g,h,i)perylene  
Concen: 2.670 ng  
RT: 17.40 min Scan# 2604  
Delta R.T. 0.01 min  
Lab File: BF099858.D  
Acq: 26 Oct 2017 13:43

Tgt Ion:276 Resp: 26700  
Ion Ratio Lower Upper  
276 100  
277 23.8 17.9 26.9  
138 40.4 21.8 32.8#

