

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\  
 Data File : BF099246.D  
 Acq On : 8 Oct 2017 21:49  
 Operator : SJ/JU  
 Sample : I5707-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 09 01:15:34 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

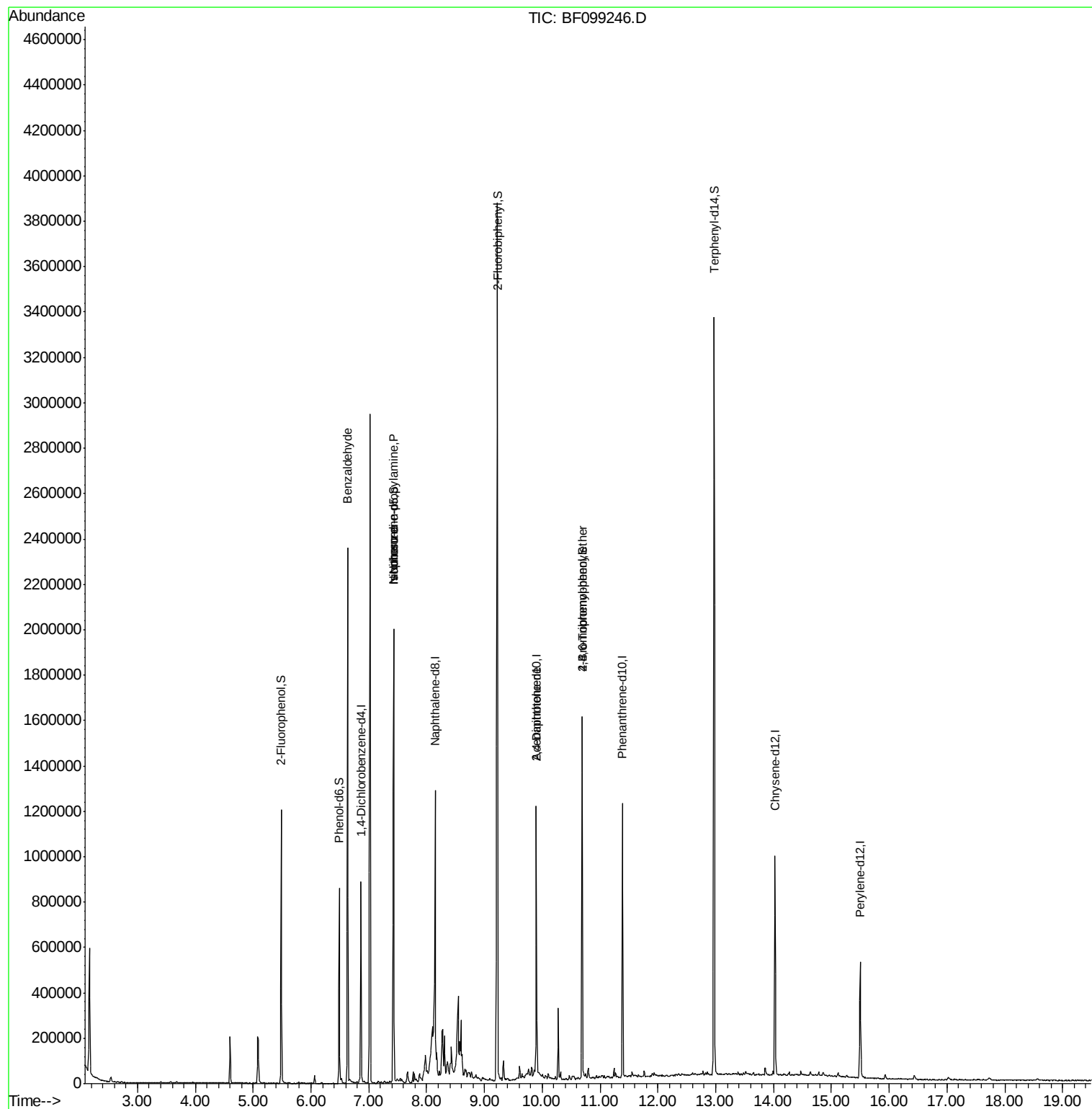
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 121263   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.15  | 136  | 501382   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.90  | 164  | 232282   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.39 | 188  | 413043   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.03 | 240  | 301753   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 15.50 | 264  | 226305   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.49  | 112  | 369566   | 48.52  | ng    | 0.00      |
| 7) Phenol-d6                   | 6.49  | 99   | 281380   | 29.94  | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 800868   | 102.44 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 195473   | 102.84 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 1400613  | 100.66 | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.97 | 244  | 1288485  | 97.11  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.63  | 77   | 12214    | 2.24   | ng    | Qvalue 89 |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 101879   | 16.98  | ng    | # 73      |
| 25) Isophorone                 | 7.43  | 82   | 798789   | 49.42  | ng    | # 64      |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 29403    | 5.94   | ng    | # 23      |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 12945    | 3.20   | ng    | # 1       |

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

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ALS Vial : 25 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

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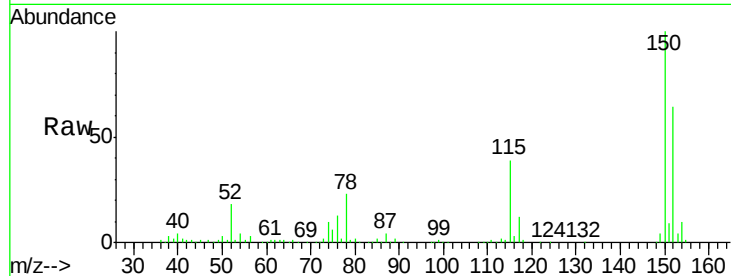


#1

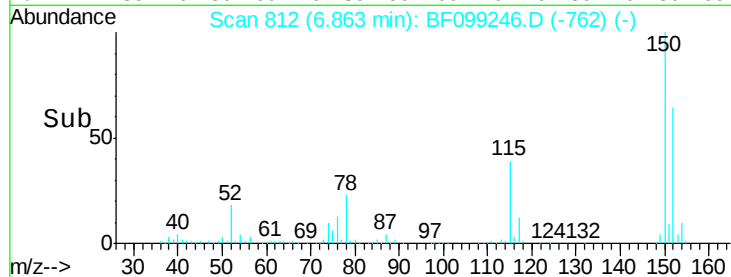
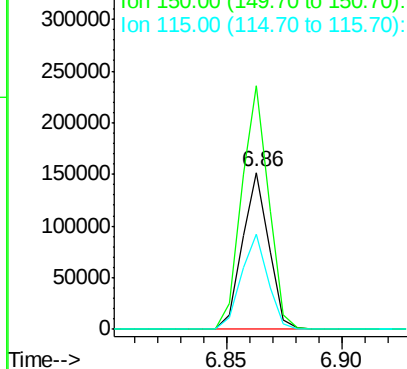
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 121263  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 124.6 186.8  
 115 60.3 50.1 75.1



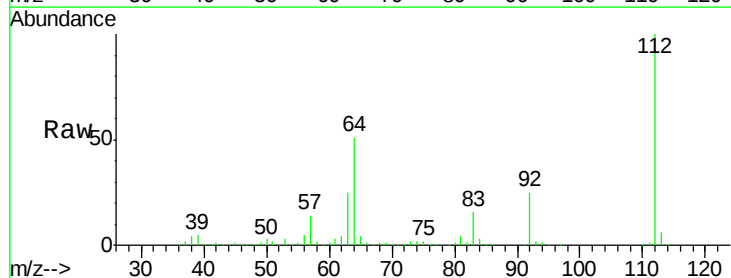
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



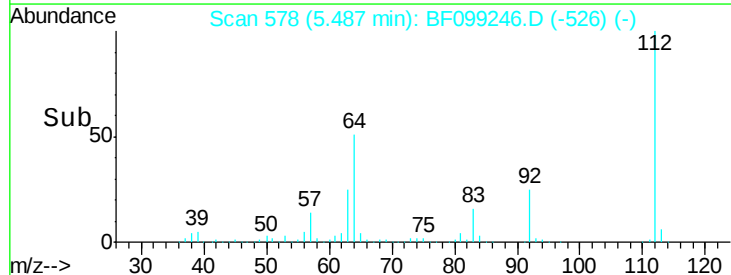
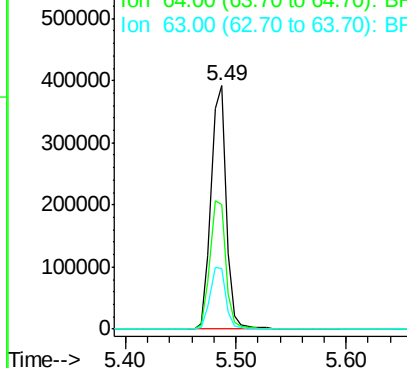
#5

2-Fluorophenol  
 Concen: 48.52 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

Tgt Ion:112 Resp: 369566  
 Ion Ratio Lower Upper  
 112 100  
 64 51.4 47.9 71.9  
 63 25.0 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: 29.94 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099246.D

Acq: 8 Oct 2017 21:49

Instrument :

BNA\_F

ClientSampleId :

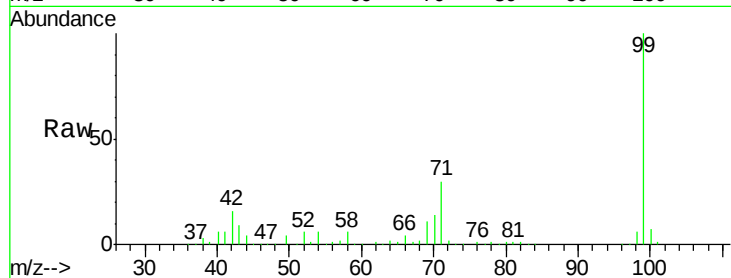
Tot Ion: 99 Resp: 281380

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

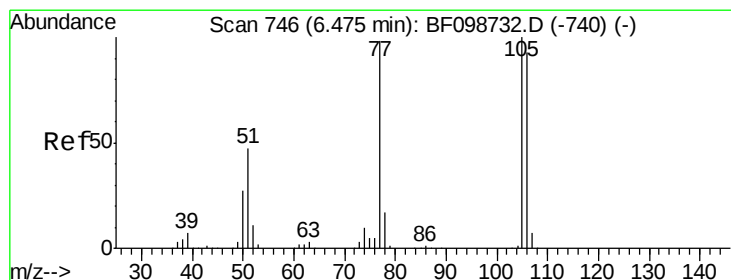
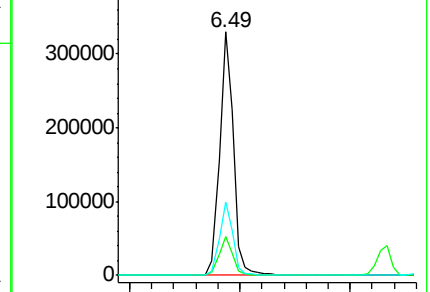
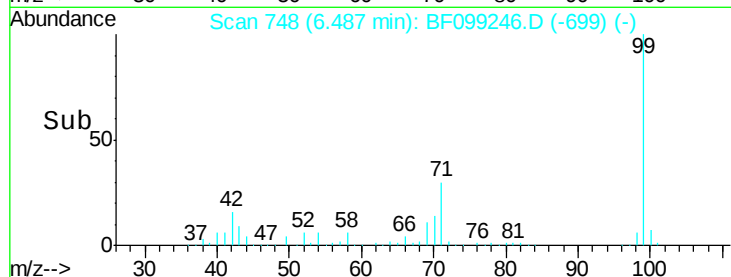
71 30.3 25.4 38.0



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: 2.24 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099246.D

Acq: 8 Oct 2017 21:49

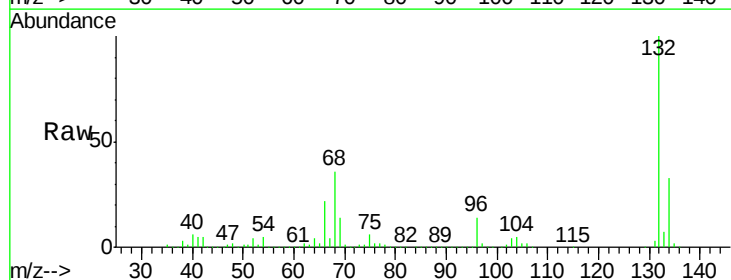
Tgt Ion: 77 Resp: 12214

Ion Ratio Lower Upper

77 100

105 87.4 81.1 121.1

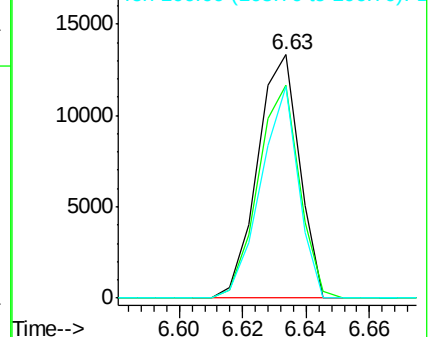
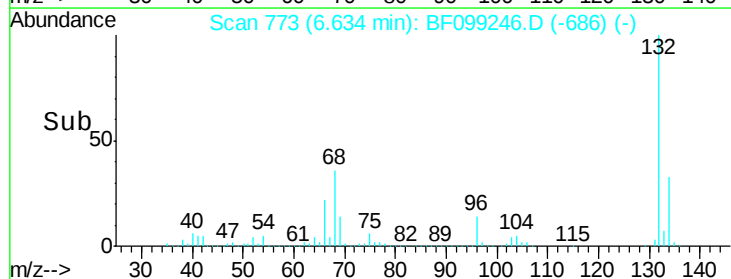
106 87.0 74.5 114.5

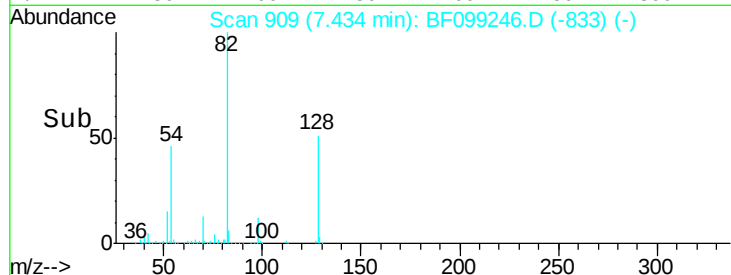
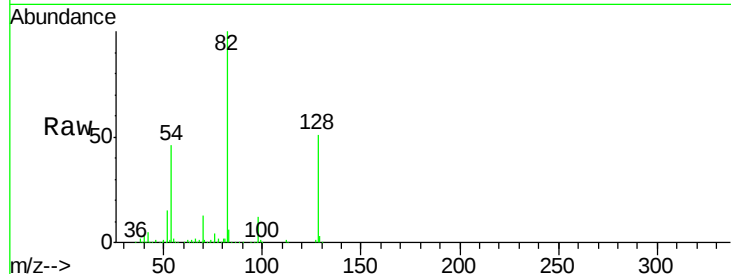


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

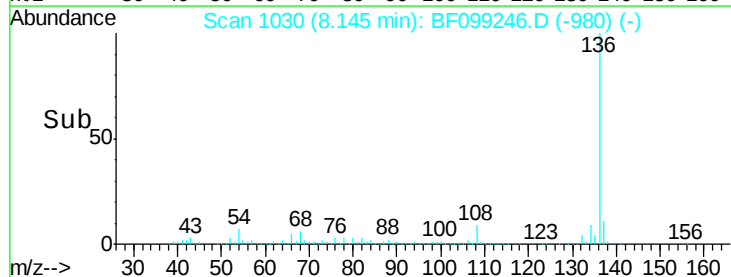
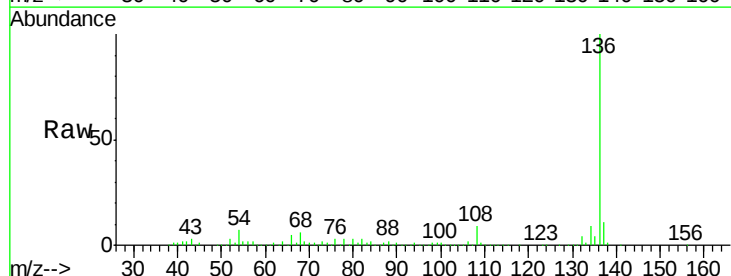
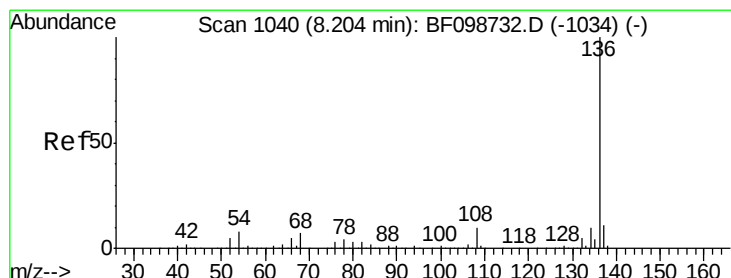
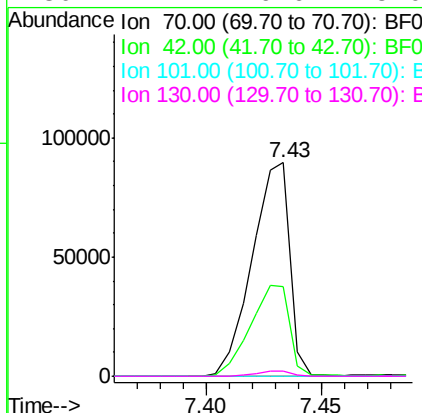




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.98 ng  
RT: 7.43 min Scan# 909  
Delta R.T. 0.15 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

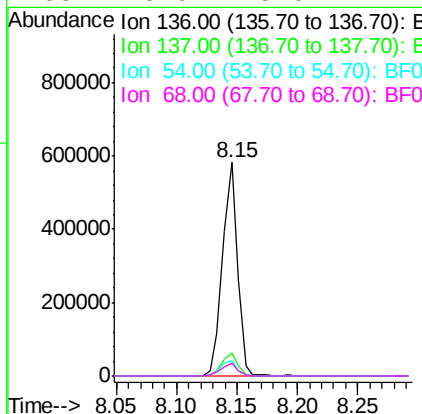
Instrument :  
BNA\_F  
ClientSampleId :

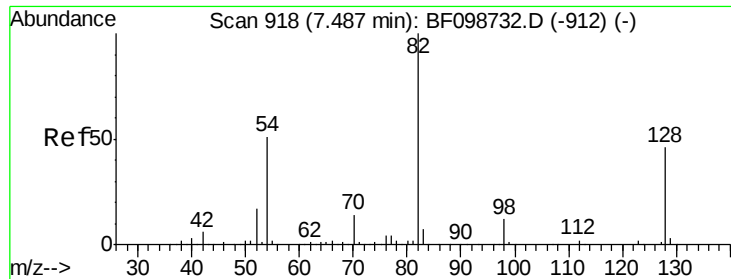
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 41.9  | 47.5  | 71.3# |
| 101     | 0.0   | 7.4   | 11.2# |
| 130     | 2.7   | 16.6  | 25.0# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 8.9   | 13.3  |
| 54      | 7.1   | 6.6   | 9.8   |
| 68      | 6.0   | 5.0   | 7.4   |

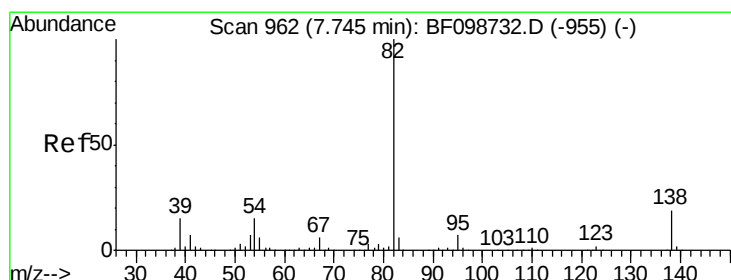
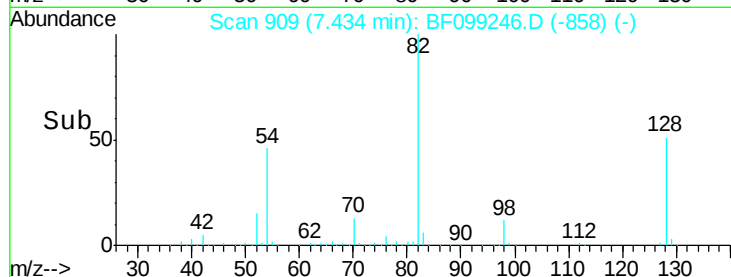
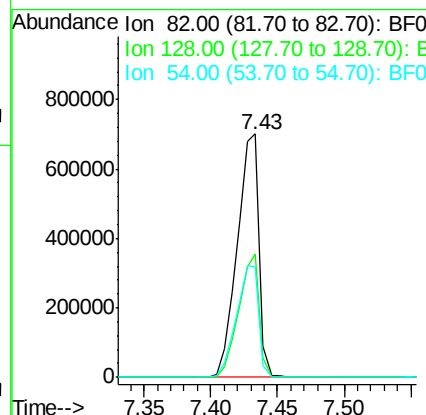
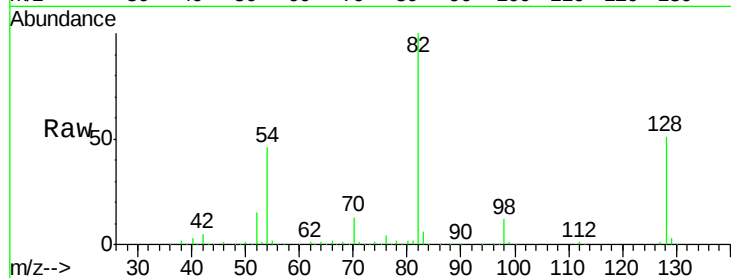




#23  
Nitrobenzene-d5  
Concen: 102.44 ng  
RT: 7.43 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

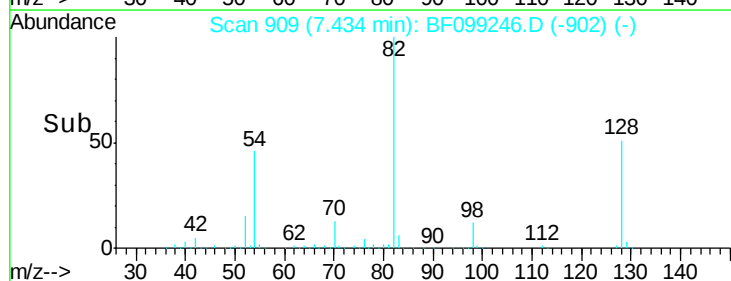
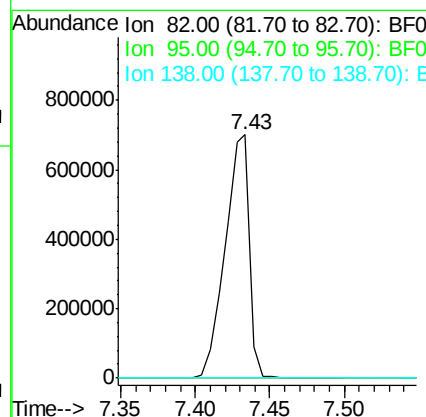
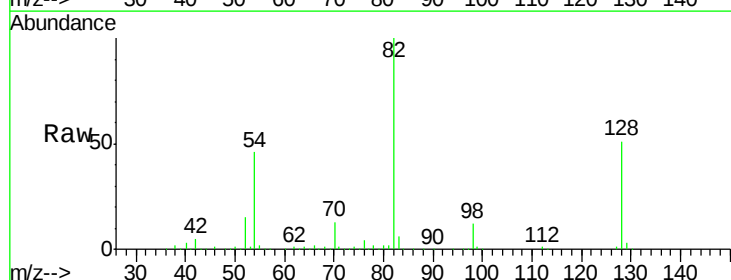
Instrument :  
BNA\_F  
ClientSampled :

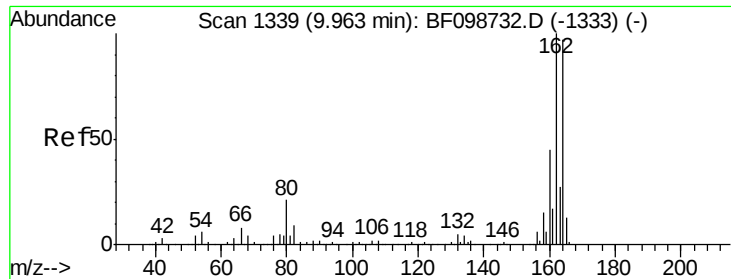
Tot Ion: 82 Resp: 800868  
Ion Ratio Lower Upper  
82 100  
128 50.6 36.1 54.1  
54 45.6 41.4 62.2



#25  
Isophorone  
Concen: 49.42 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.26 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

Tgt Ion: 82 Resp: 798789  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#

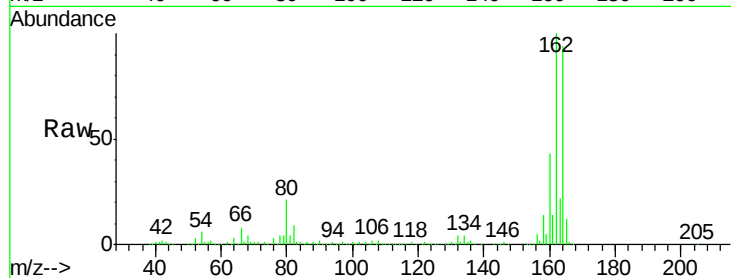




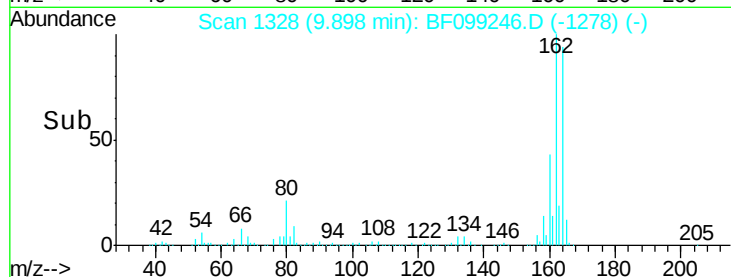
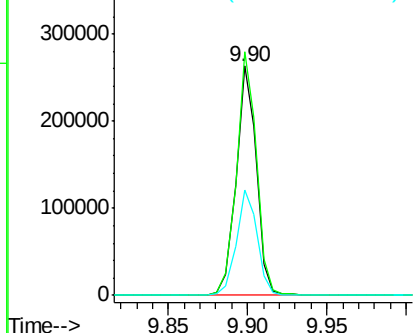
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 232282  
 Ion Ratio Lower Upper  
 164 100  
 162 106.1 86.1 129.1  
 160 45.9 38.3 57.5

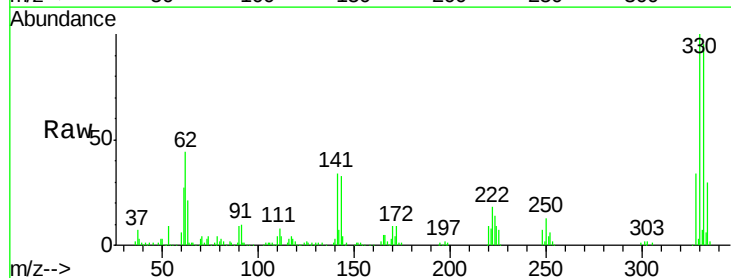


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

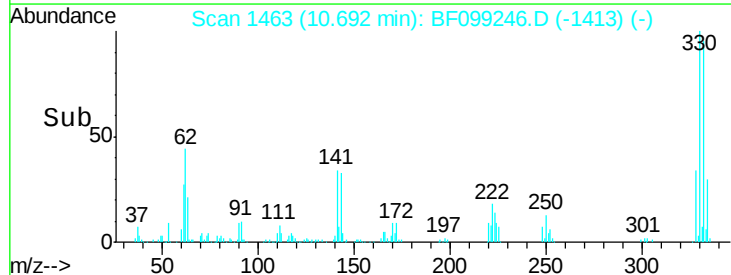
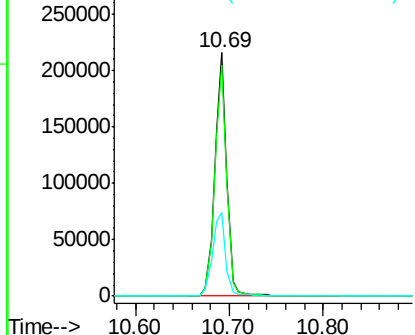


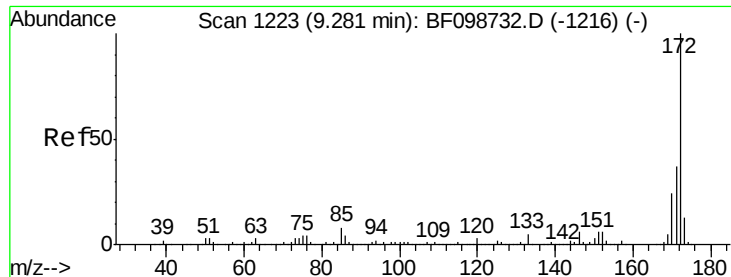
#41  
 2,4,6-Tribromophenol  
 Concen: 102.84 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

Tgt Ion:330 Resp: 195473  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.0 115.6  
 141 38.3 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



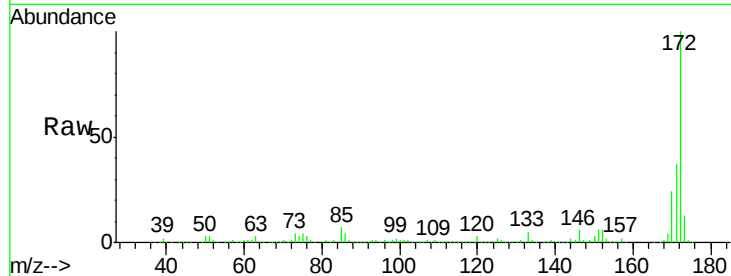


#44  
 2-Fluorobiphenyl  
 Concen: 100.66 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

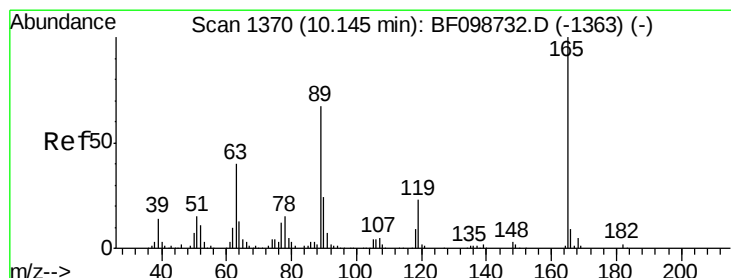
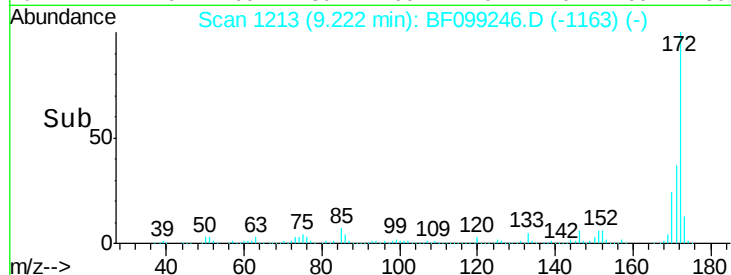
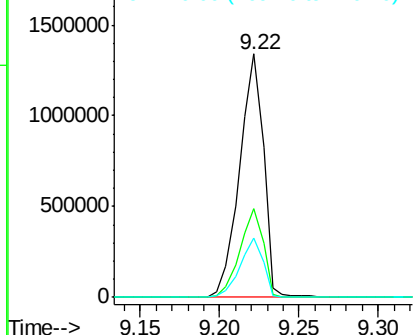
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1400613  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 29.7  | 44.5  |
| 170 | 24.2  | 19.6  | 29.4  |



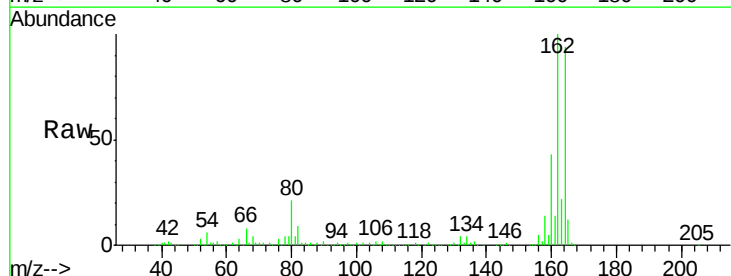
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



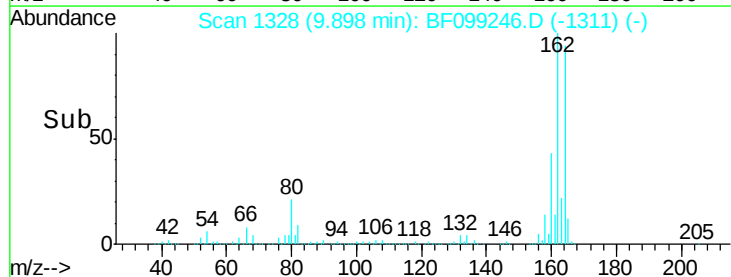
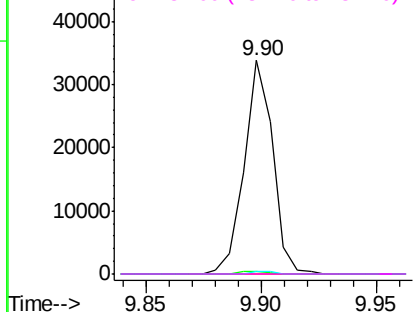
#56  
 2,4-Dinitrotoluene  
 Concen: 5.94 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.20 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

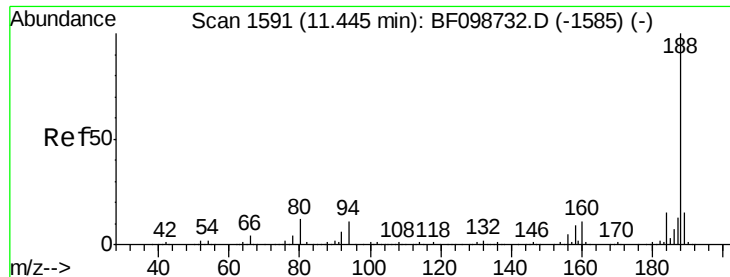
Tgt Ion:165 Resp: 29403  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.3   | 36.4  | 54.6# |
| 89  | 1.3   | 57.8  | 86.6# |
| 182 | 0.0   | 1.6   | 2.4#  |



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  
 Ion 182.00 (181.70 to 182.70): E

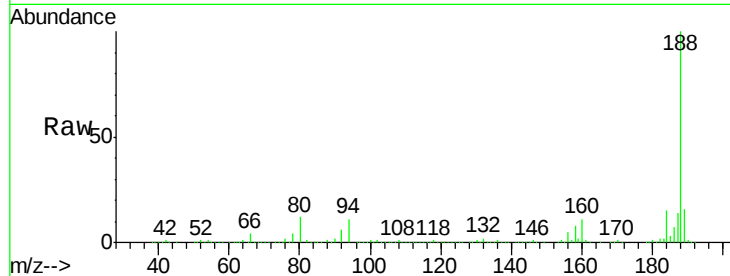




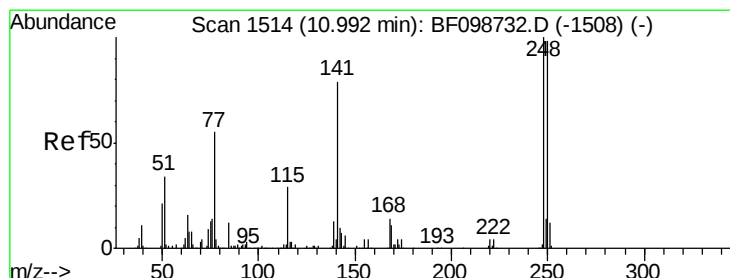
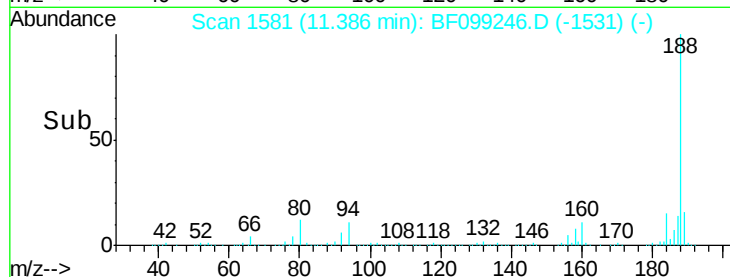
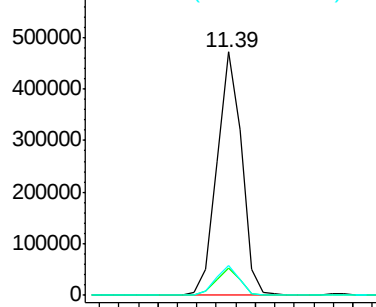
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 413043  
Ion Ratio Lower Upper  
188 100  
94 11.2 8.5 12.7  
80 12.0 9.2 13.8

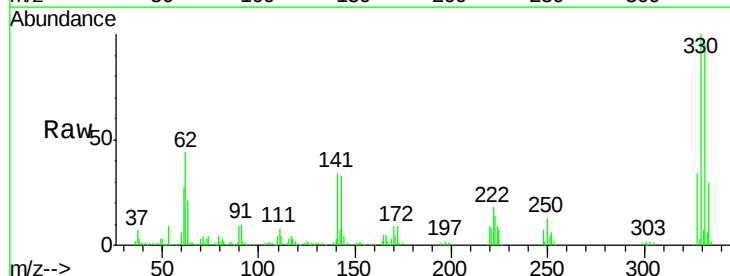


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

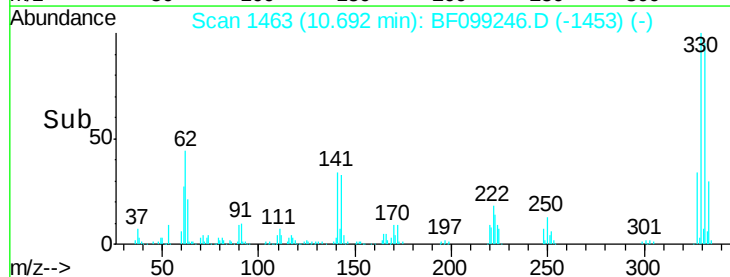
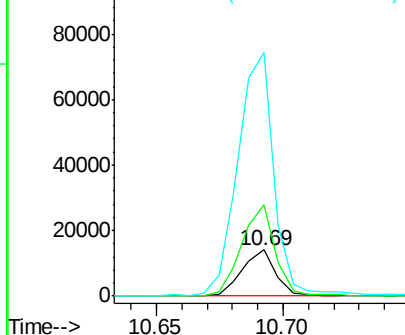


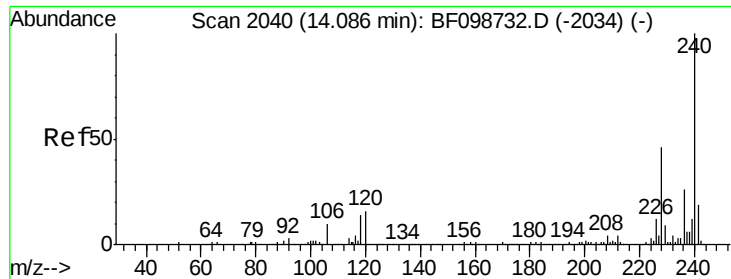
#66  
4-Bromophenyl-phenylether  
Concen: 3.20 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. -0.24 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

Tgt Ion:248 Resp: 12945  
Ion Ratio Lower Upper  
248 100  
250 198.1 76.9 115.3#  
141 524.6 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

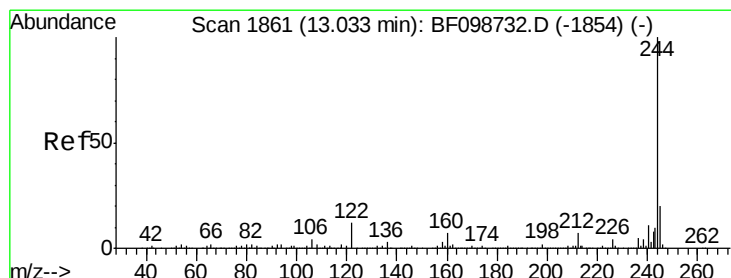
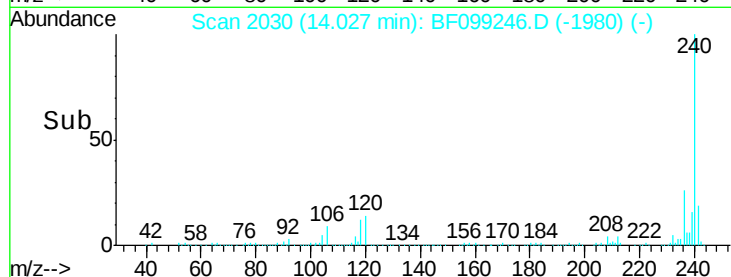
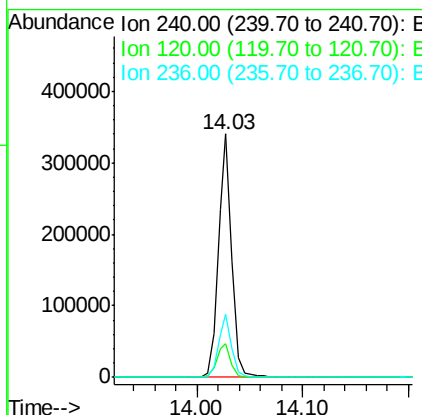
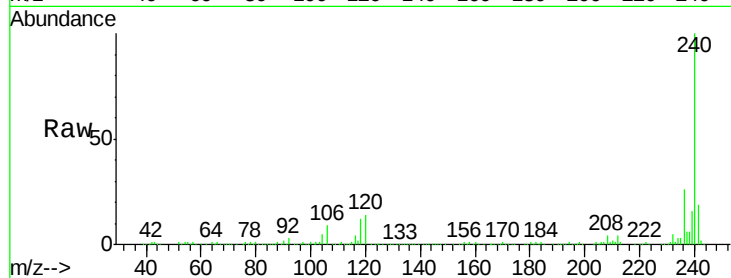




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

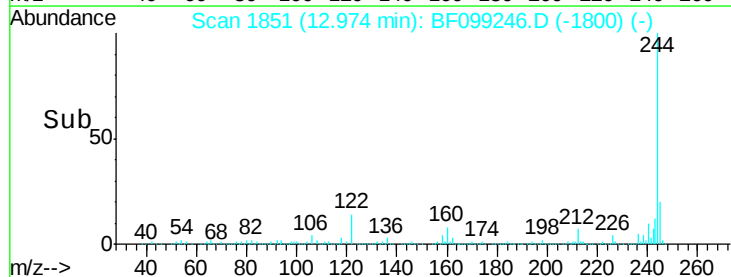
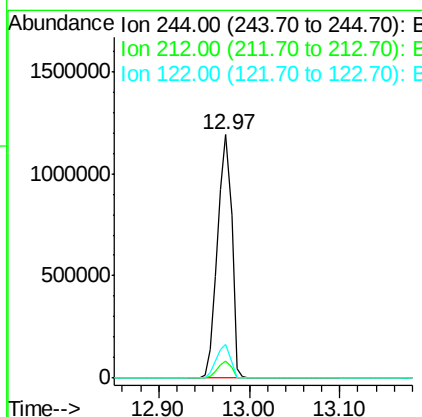
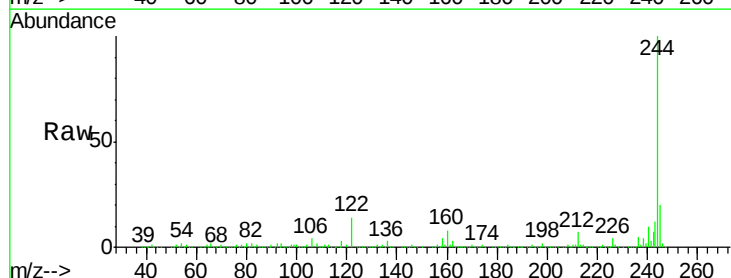
Instrument :  
 BNA\_F  
 ClientSampleId :

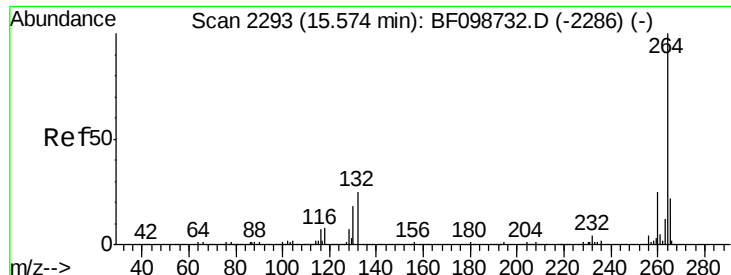
Tot Ion:240 Resp: 301753  
 Ion Ratio Lower Upper  
 240 100  
 120 13.9 9.5 14.3  
 236 25.7 20.7 31.1



#78  
 Terphenyl-d14  
 Concen: 97.11 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: BF099246.D  
 Acq: 8 Oct 2017 21:49

Tgt Ion:244 Resp: 1288485  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 13.6 11.0 16.4

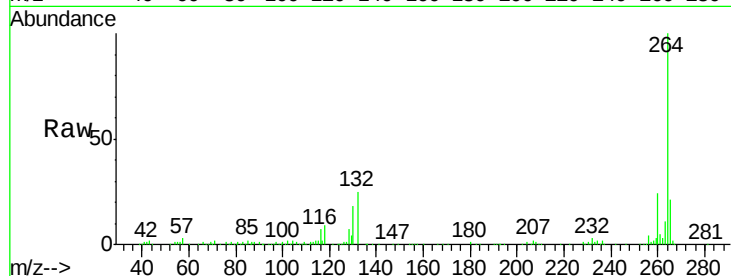




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BF099246.D  
Acq: 8 Oct 2017 21:49

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.2  | 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

