

Data File : BP000071.D  
Acq On : 04 Sep 2019 17:04  
Operator : HP/JU  
Sample : PB122750BL  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

Quant Time: Sep 05 05:54:17 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 30 17:47:17 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 486681   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 1808218  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.94  | 164  | 1017417  | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.43 | 188  | 1853276  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.10 | 240  | 1548751  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.62 | 264  | 1616831  | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.52  | 112 | 3491961 | 114.41 | ng | 0.00 |
| 7) Phenol-d6                | 6.52  | 99  | 4387535 | 113.88 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.45  | 82  | 2507313 | 85.08  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330 | 1181179 | 137.73 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.26  | 172 | 4848034 | 79.58  | ng | 0.00 |
| 79) Terphenyl-d14           | 13.04 | 244 | 5646668 | 79.47  | ng | 0.00 |

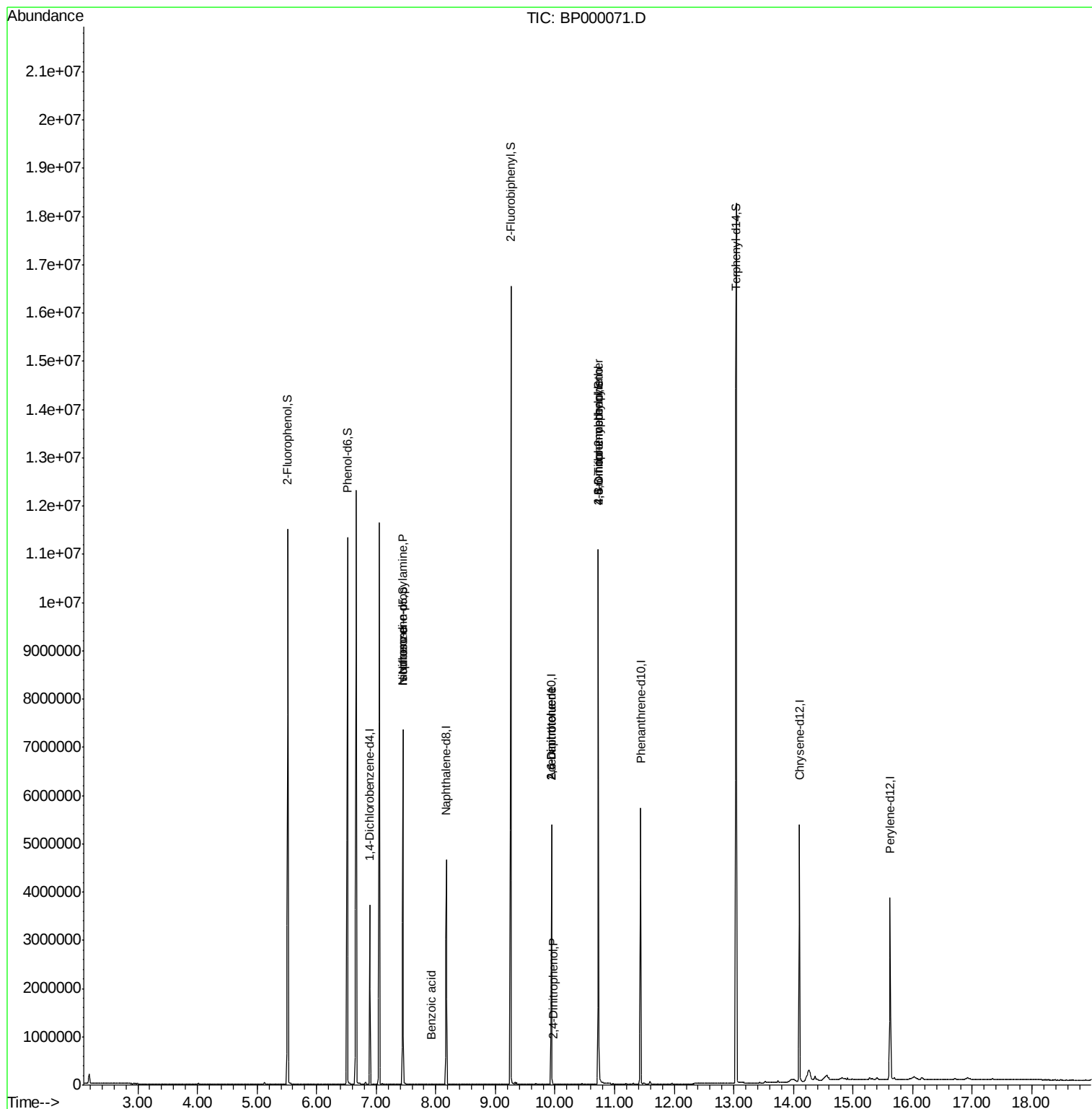
|                                |       |     |         |           |    |      |
|--------------------------------|-------|-----|---------|-----------|----|------|
| Target Compounds               |       |     |         | Qvalue    |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70  | 317113  | 14.462    | ng | # 75 |
| 25) Isophorone                 | 7.45  | 82  | 2507085 | 40.264    | ng | # 66 |
| 32) Benzoic acid               | 7.93  | 122 | 47      | 8.064     | ng | # 1  |
| 51) 2,6-Dinitrotoluene         | 9.94  | 165 | 133924  | 9.100     | ng | # 30 |
| 54) 2,4-Dinitrophenol          | 9.98  | 184 | 58      | 8.658     | ng | # 16 |
| 57) 2,4-Dinitrotoluene         | 9.94  | 165 | 133909  | 7.128     | ng | # 21 |
| 65) 4,6-Dinitro-2-methylphenol | 10.73 | 198 | 3649    | 8.154     | ng | # 1  |
| 67) 4-Bromophenyl-phenylether  | 10.73 | 248 | 87094   | 4.624     | ng | # 1  |
| 69) Atrazine                   | 11.12 | 200 | 31      | Below Cal |    | # 61 |

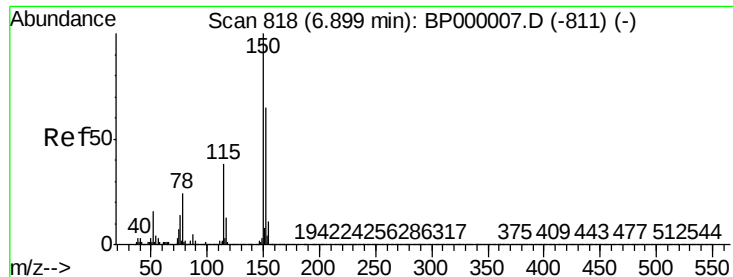
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BP000071.D  
Acq On : 04 Sep 2019 17:04  
Operator : HP/JU  
Sample : PB122750BL  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

Quant Time: Sep 05 05:54:17 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 30 17:47:17 2019  
Response via : Initial Calibration



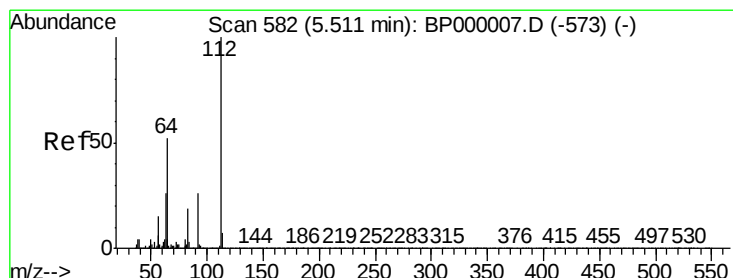
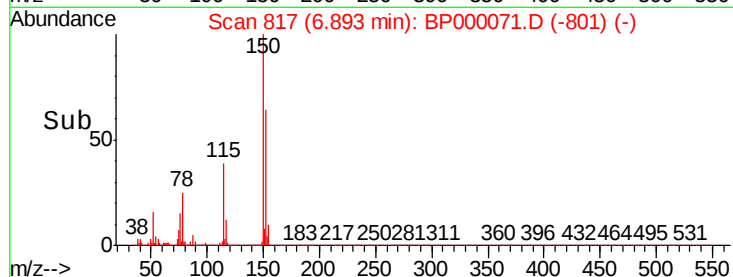
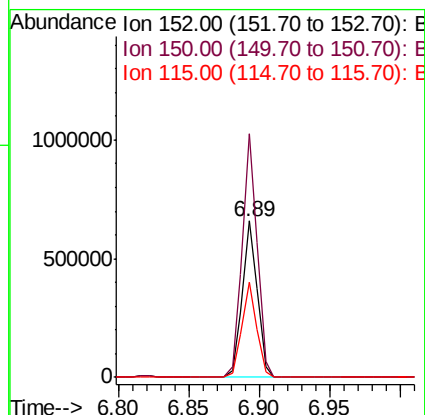
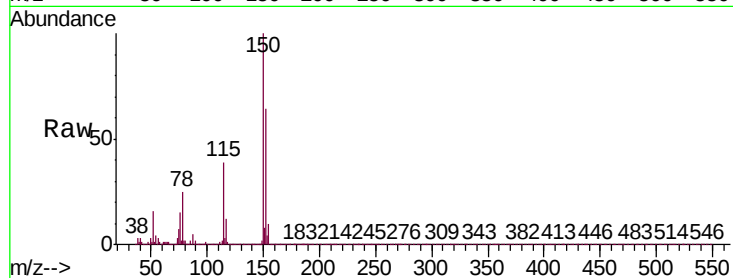


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

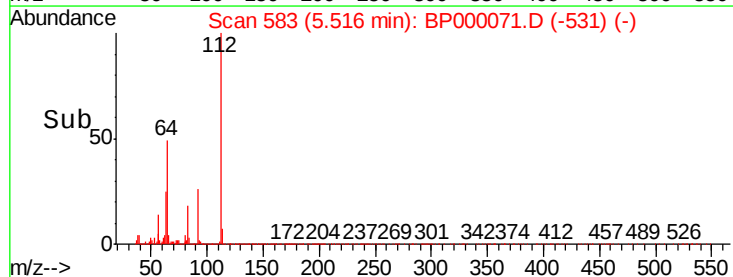
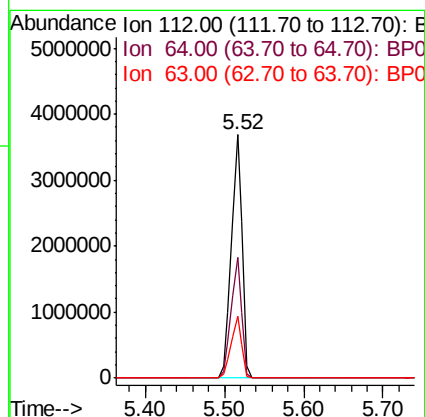
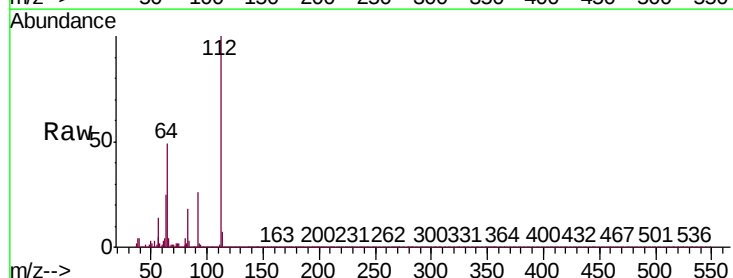
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 123.0 | 184.6 |
| 115     | 61.0  | 46.7  | 70.1  |

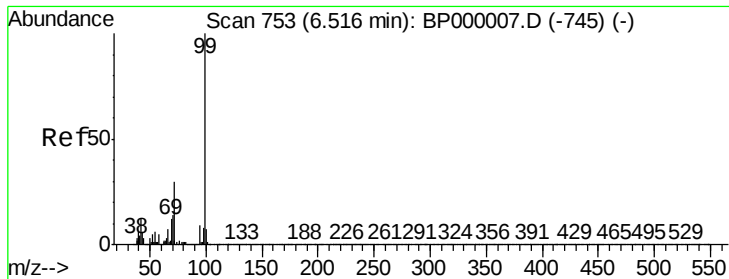


#5

2-Fluorophenol  
Concen: 114.415 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.5  | 41.8  | 62.8  |
| 63      | 25.4  | 21.0  | 31.4  |





#7

Phenol-d6

Concen: 113.876 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BP000071.D

Acq: 04 Sep 2019 17:04

Instrument :

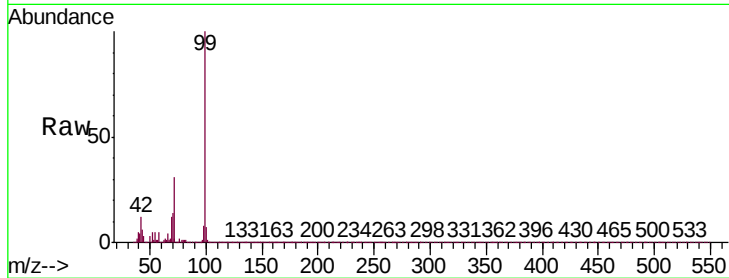
BNA\_P

ClientSampleId :

PB122750BL

Tgt Ion: 99 Resp: 4387535

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.8  | 9.8   | 14.8  |
| 71  | 30.7  | 23.8  | 35.8  |

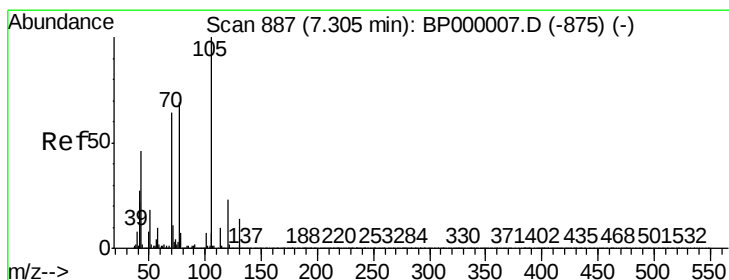
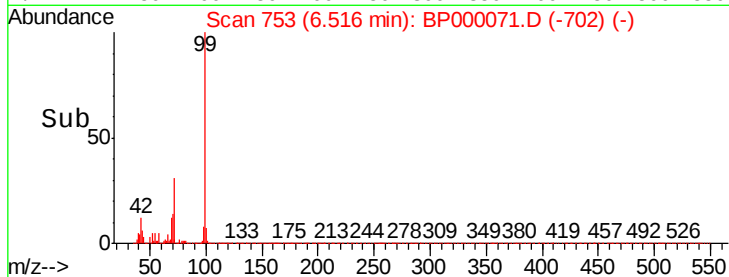
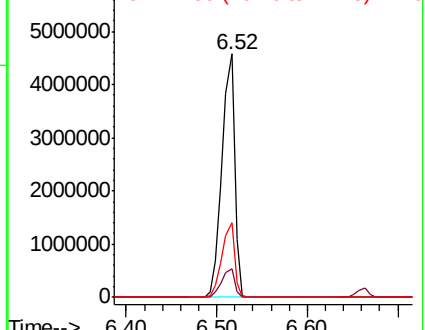


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 14.462 ng

RT: 7.45 min Scan# 912

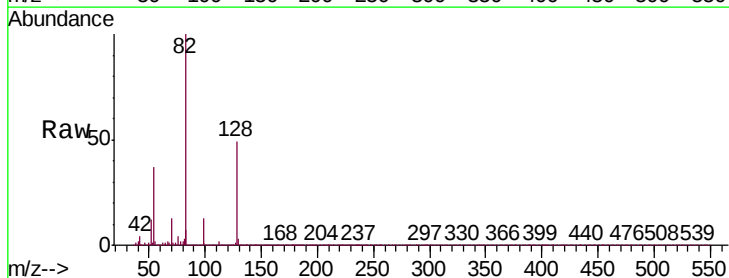
Delta R.T. 0.15 min

Lab File: BP000071.D

Acq: 04 Sep 2019 17:04

Tgt Ion: 70 Resp: 317113

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 32.9  | 33.8  | 50.6# |
| 101 | 0.0   | 8.7   | 13.1# |
| 130 | 2.3   | 18.1  | 27.1# |



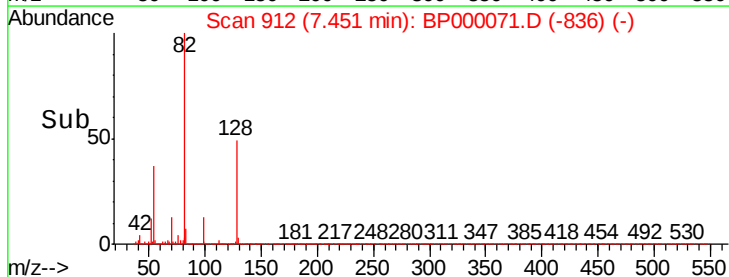
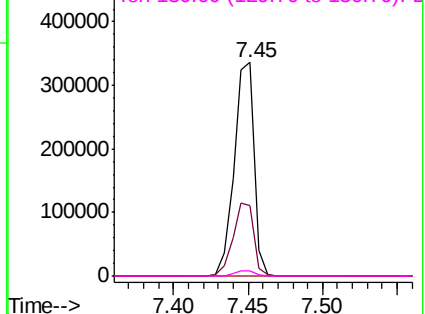
Abundance

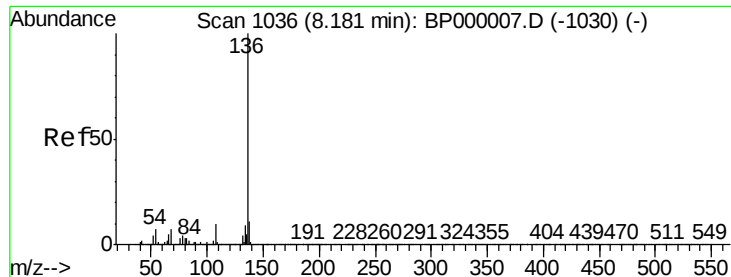
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

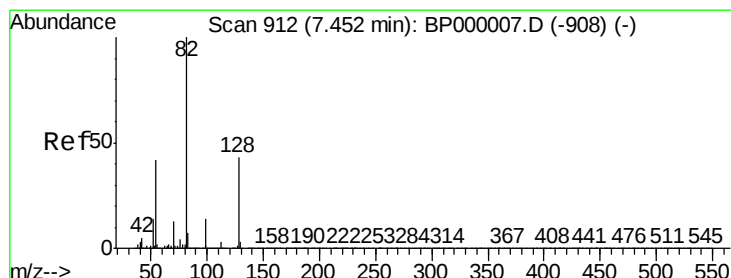
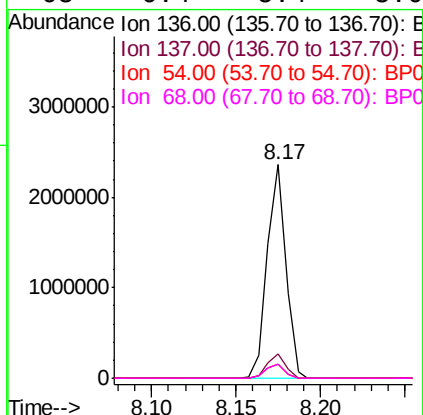
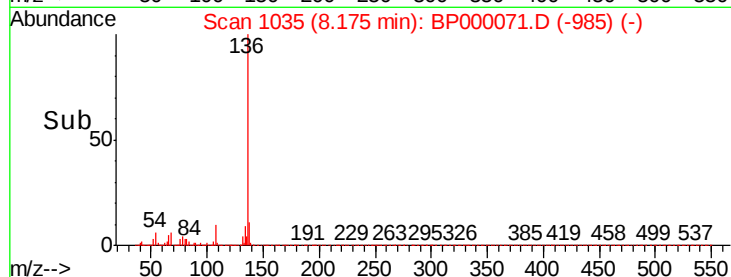
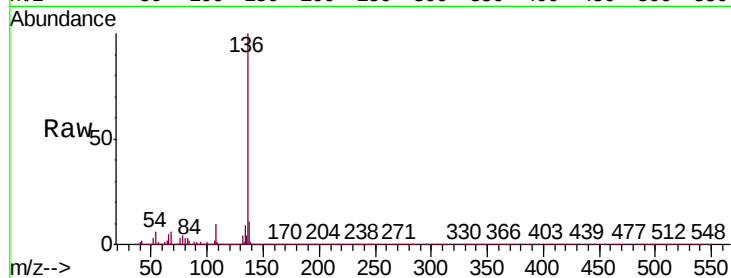




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

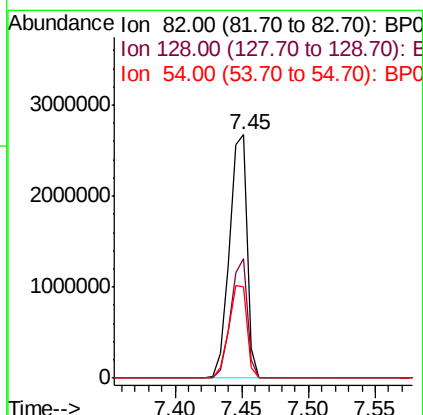
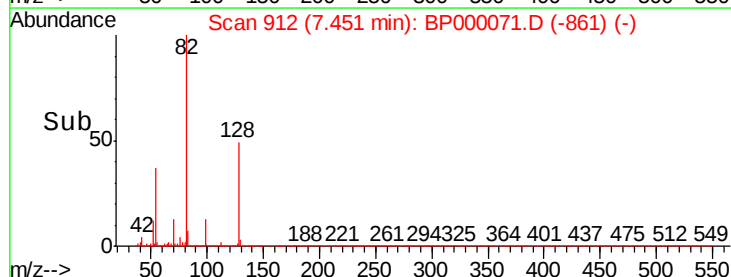
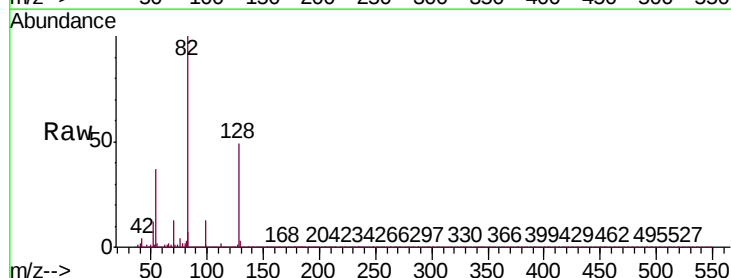
Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

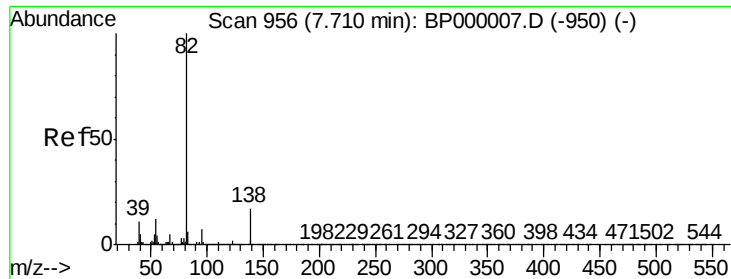
| Tgt Ion: | 136   | Resp: | 1808218 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.1  | 8.6   | 13.0    |
| 54       | 6.5   | 5.4   | 8.2     |
| 68       | 6.4   | 5.4   | 8.0     |



#23  
Nitrobenzene-d5  
Concen: 85.083 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

| Tgt Ion: | 82    | Resp: | 2507313 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 49.0  | 34.5  | 51.7    |
| 54       | 37.4  | 33.2  | 49.8    |





#25

Isophorone

Concen: 40.264 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BP000071.D

Acq: 04 Sep 2019 17:04

Instrument :

BNA\_P

ClientSampleId :

PB122750BL

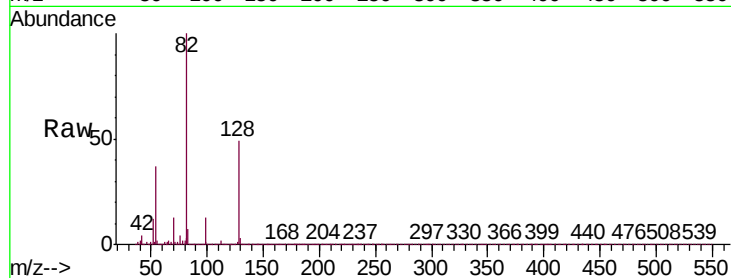
Tgt Ion: 82 Resp: 2507085

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

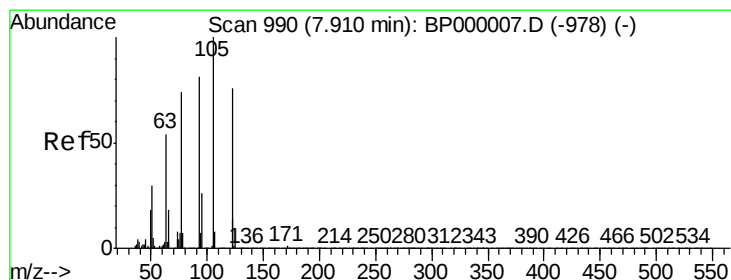
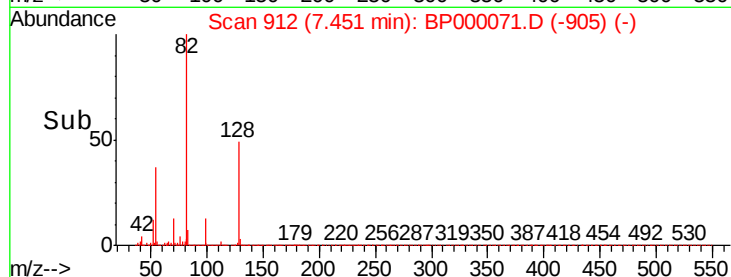
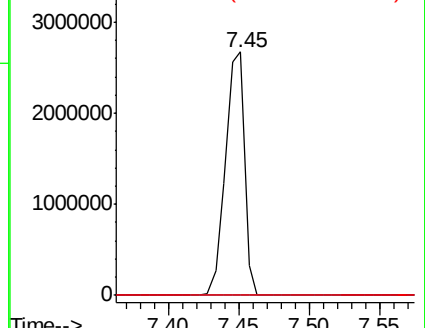
138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#32

Benzoic acid

Concen: 8.064 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.02 min

Lab File: BP000071.D

Acq: 04 Sep 2019 17:04

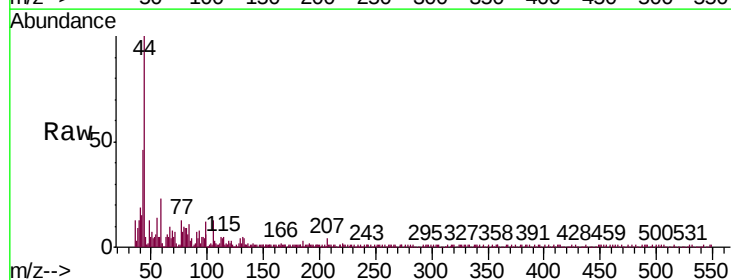
Tgt Ion: 122 Resp: 47

Ion Ratio Lower Upper

122 100

105 423.8 104.6 144.6#

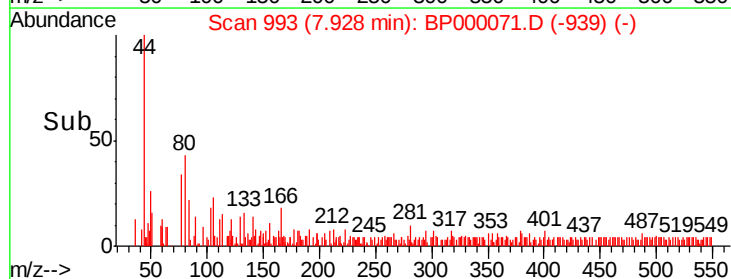
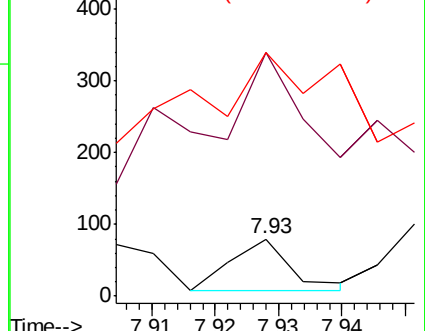
77 423.8 74.1 114.1#

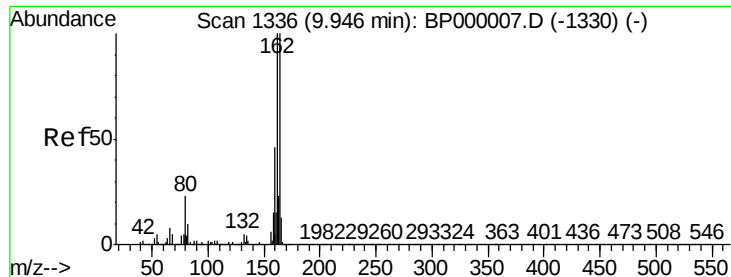


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0

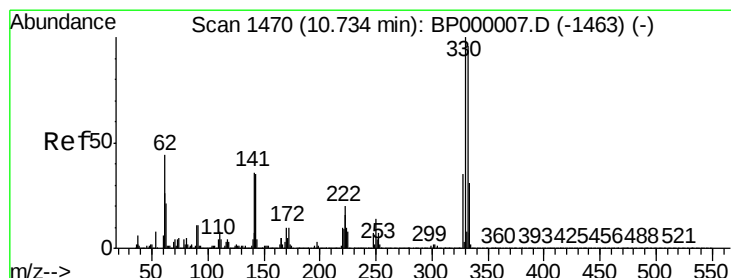
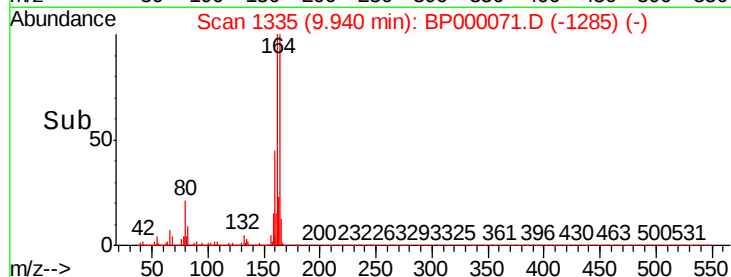
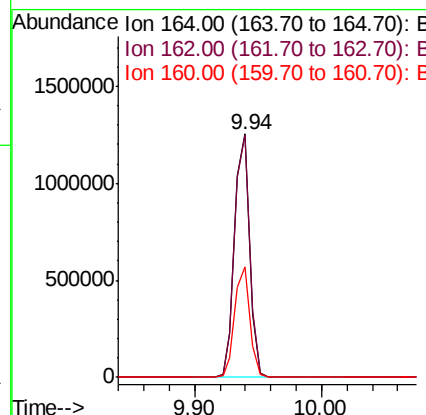
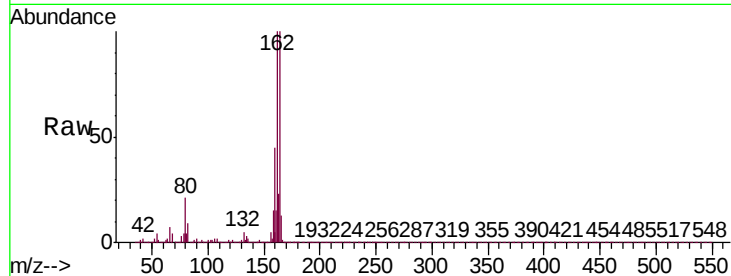




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

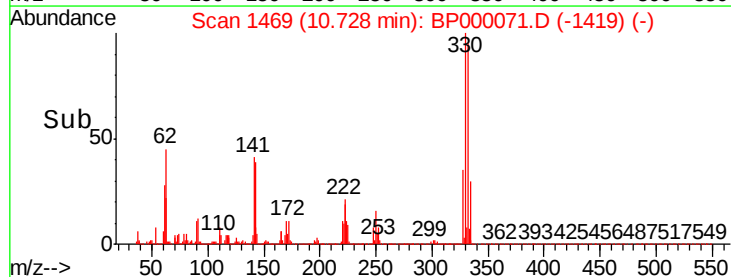
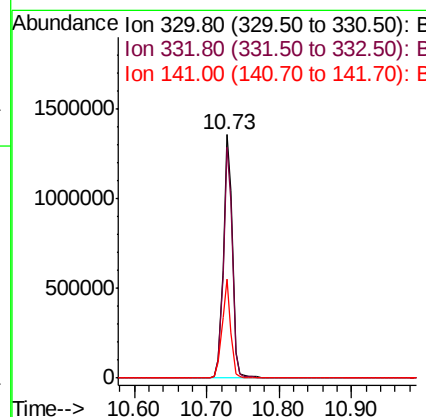
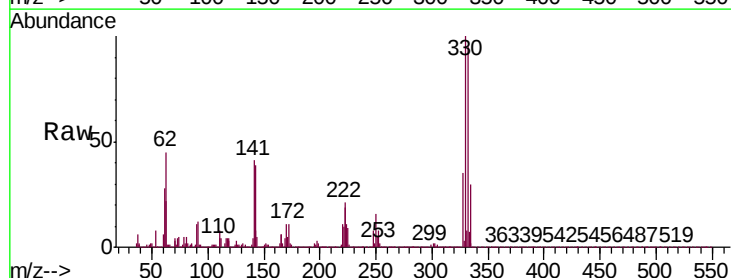
Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

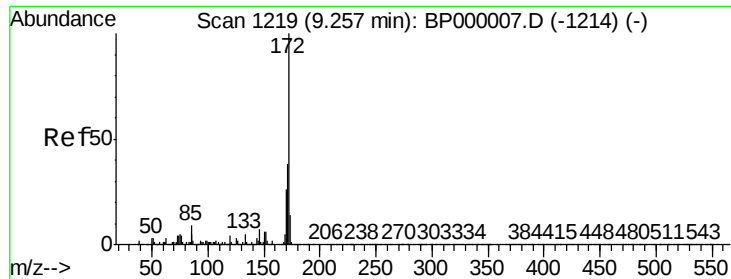
Tgt Ion:164 Resp: 1017417  
Ion Ratio Lower Upper  
164 100  
162 99.6 80.2 120.4  
160 45.5 36.6 55.0



#42  
2,4,6-Tribromophenol  
Concen: 137.734 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Tgt Ion:330 Resp: 1181179  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.8 115.2  
141 38.7 33.6 50.4

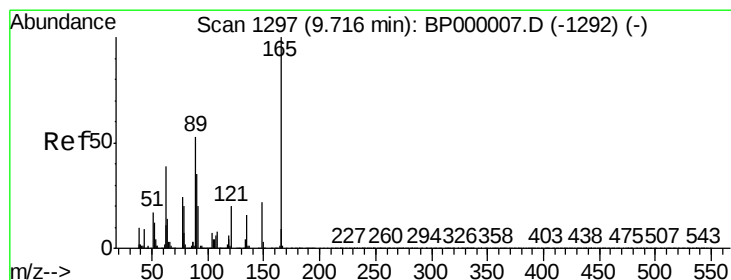
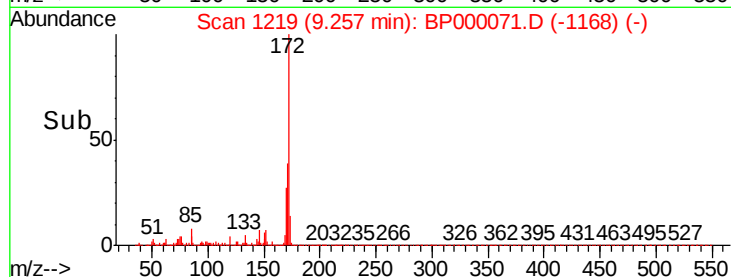
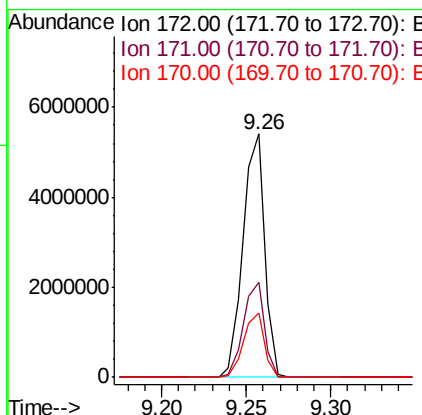
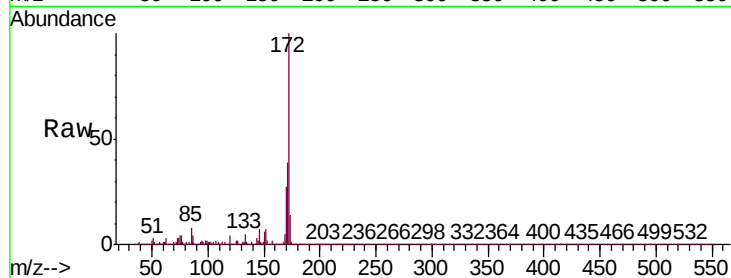




#45  
2-Fluorobiphenyl  
Concen: 79.576 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

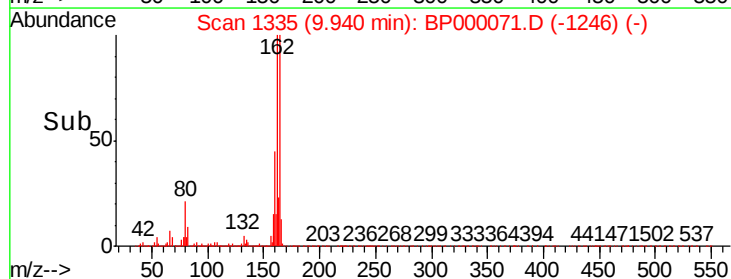
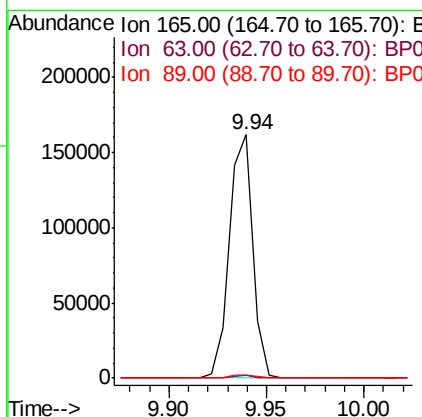
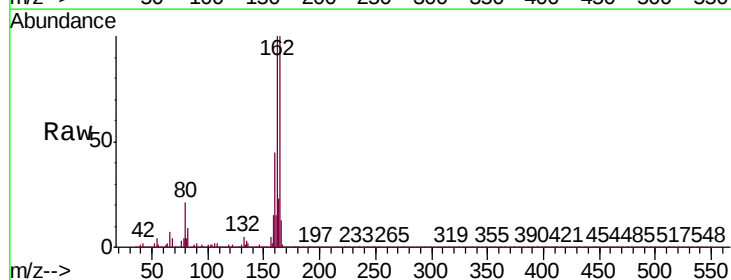
Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

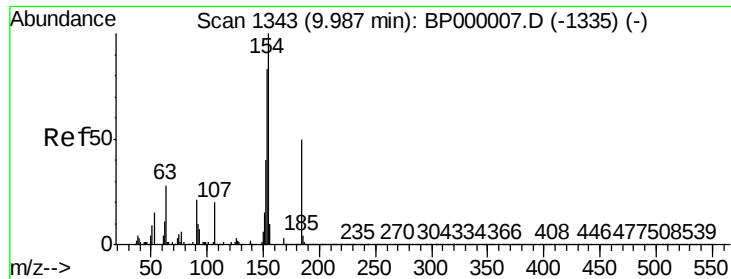
Tgt Ion:172 Resp: 4848034  
Ion Ratio Lower Upper  
172 100  
171 39.2 30.7 46.1  
170 26.6 20.7 31.1



#51  
2,6-Dinitrotoluene  
Concen: 9.100 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. 0.22 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Tgt Ion:165 Resp: 133924  
Ion Ratio Lower Upper  
165 100  
63 1.0 35.8 53.6#  
89 1.3 42.2 63.4#

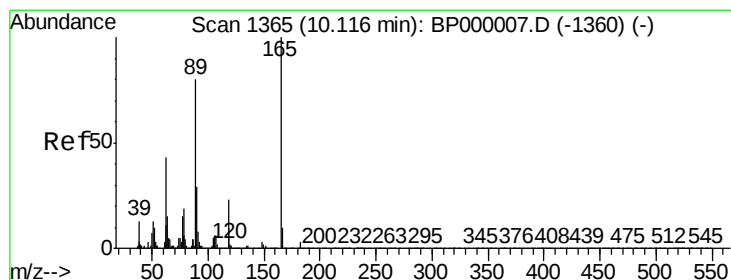
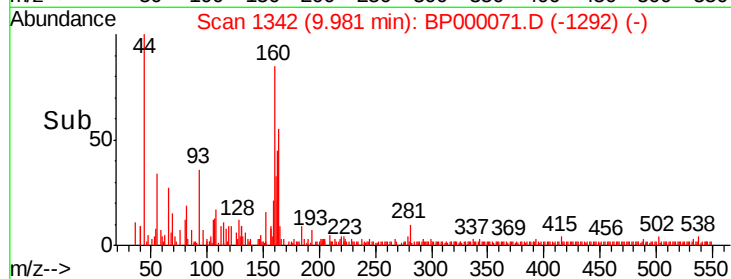
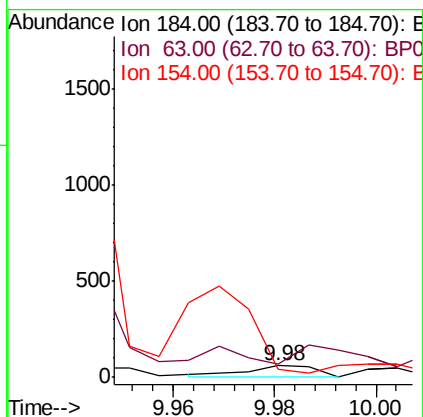
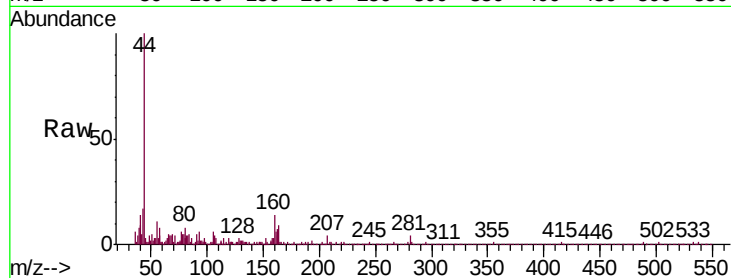




#54  
2,4-Dinitrophenol  
Concen: 8.658 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

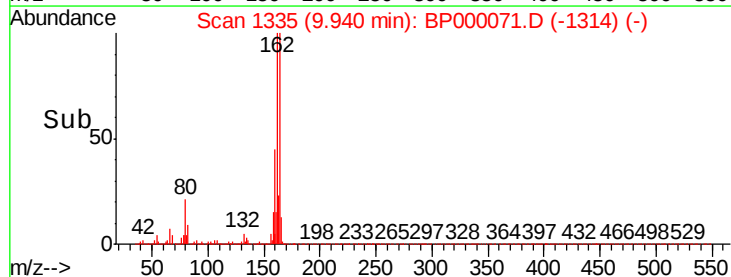
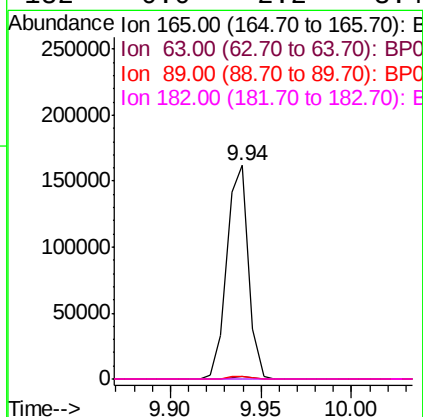
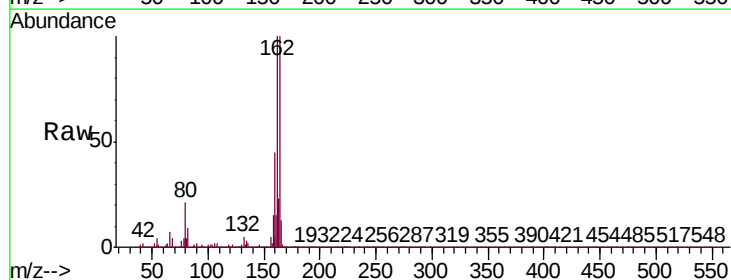
Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

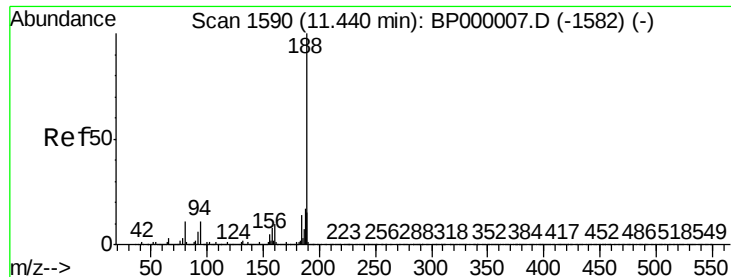
Tgt Ion:184 Resp: 58  
Ion Ratio Lower Upper  
184 100  
63 115.3 46.0 69.0#  
154 71.2 161.9 242.9#



#57  
2,4-Dinitrotoluene  
Concen: 7.128 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.18 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Tgt Ion:165 Resp: 133909  
Ion Ratio Lower Upper  
165 100  
63 1.0 34.4 51.6#  
89 1.3 64.3 96.5#  
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BP0000071.D

Acq: 04 Sep 2019 17:04

Instrument :

BNA\_P

ClientSampleId :

PB122750BL

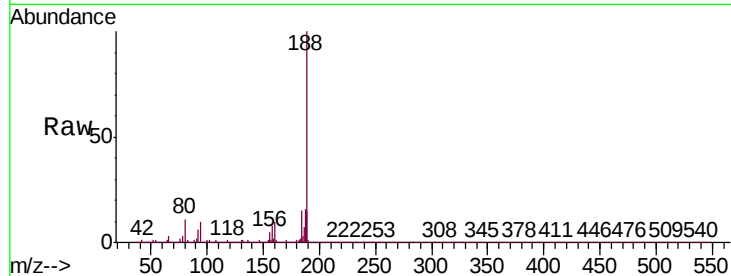
Tgt Ion:188 Resp: 1853276

Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 10.9 9.0 13.6

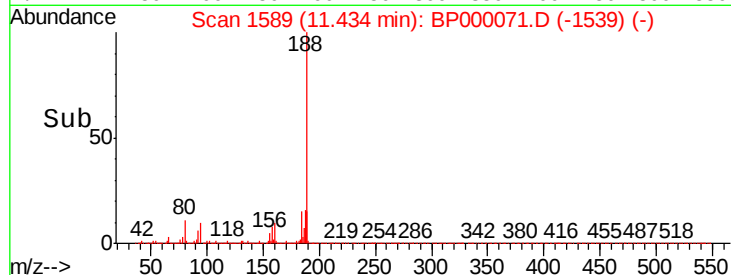


Abundance Ion 188.00 (187.70 to 188.70): E

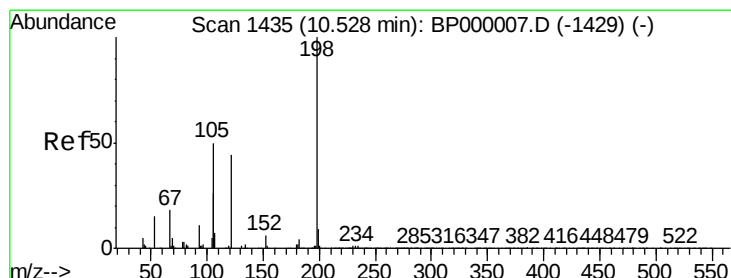
Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.154 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.20 min

Lab File: BP0000071.D

Acq: 04 Sep 2019 17:04

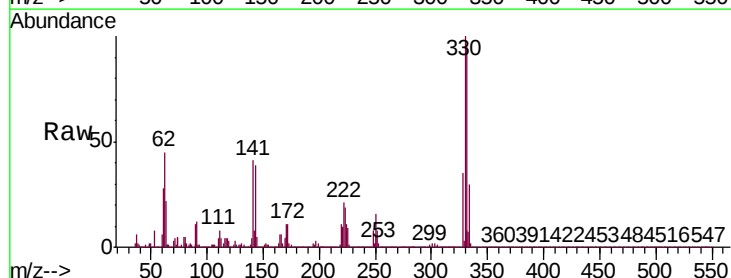
Tgt Ion:198 Resp: 3649

Ion Ratio Lower Upper

198 100

51 108.4 22.1 62.1#

105 162.2 32.0 72.0#

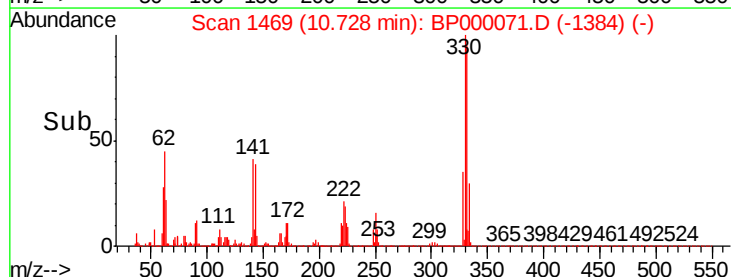


Abundance Ion 198.00 (197.70 to 198.70): E

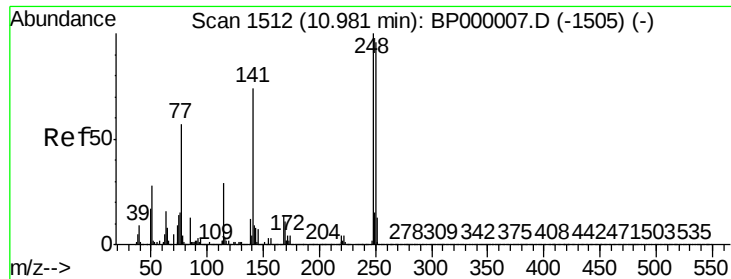
Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

Time-->



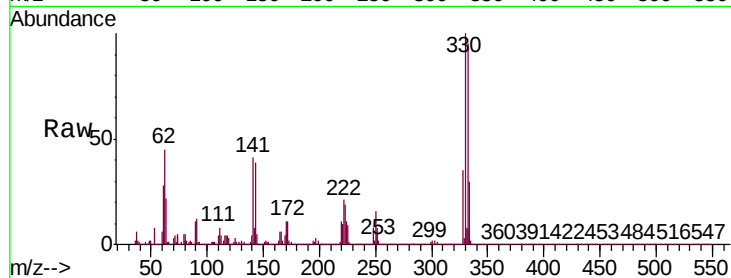
Time-->



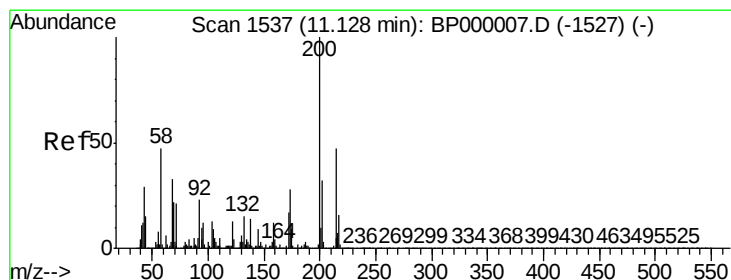
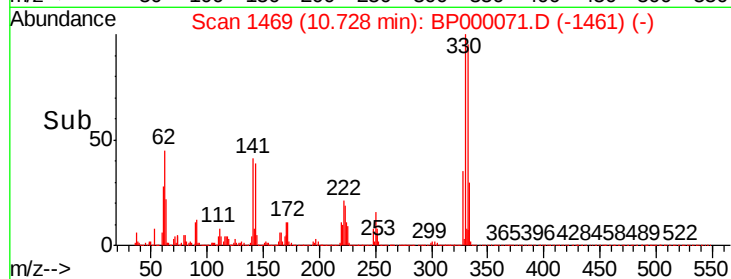
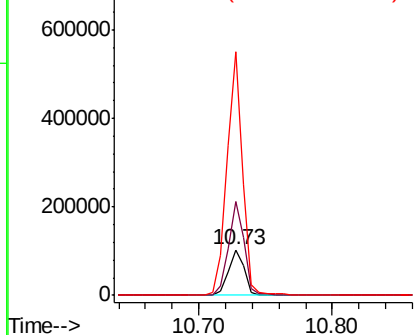
#67  
4-Bromophenyl-phenylether  
Concen: 4.624 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. -0.25 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

Tgt Ion:248 Resp: 87094  
Ion Ratio Lower Upper  
248 100  
250 205.0 77.1 115.7#  
141 533.6 59.5 89.3#

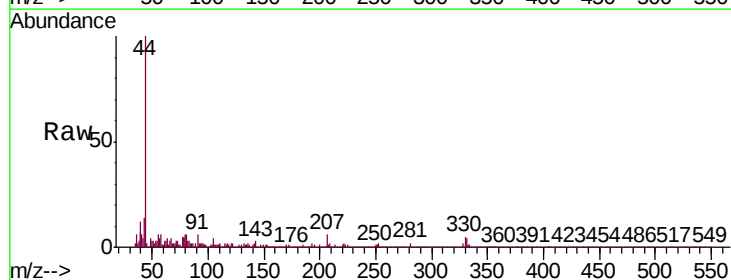


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

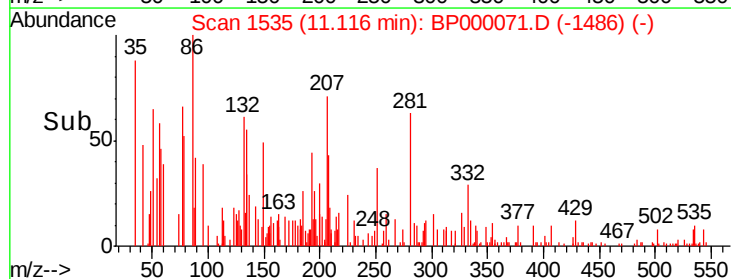
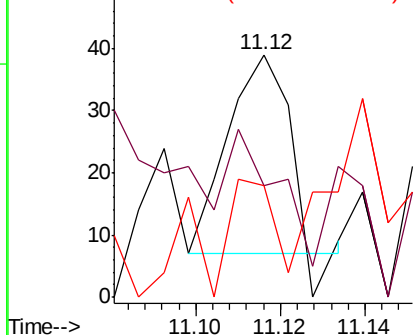


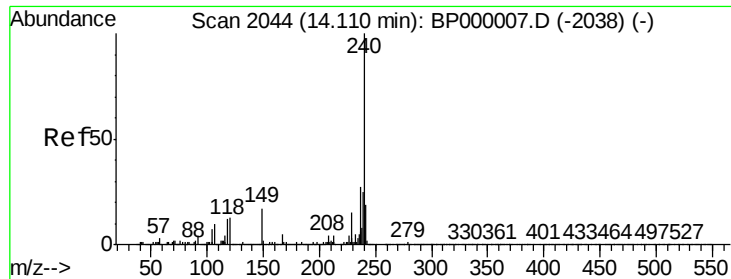
#69  
Atrazine  
Concen: Below Cal  
RT: 11.12 min Scan# 1535  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Tgt Ion:200 Resp: 31  
Ion Ratio Lower Upper  
200 100  
173 46.2 8.1 48.1  
215 74.4 26.7 66.7#



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

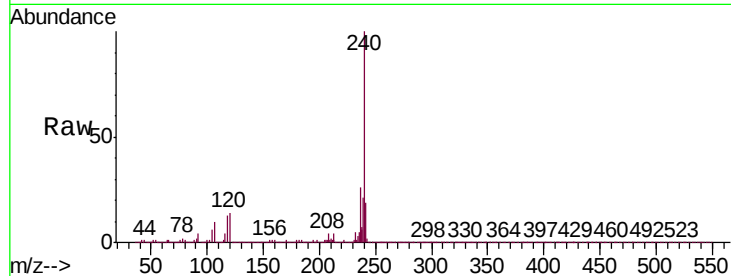




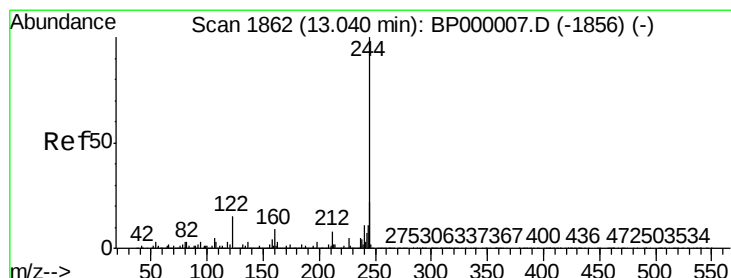
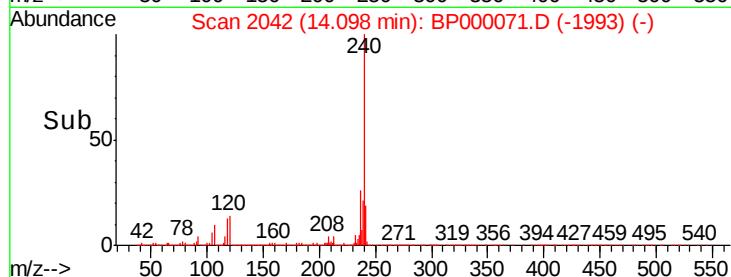
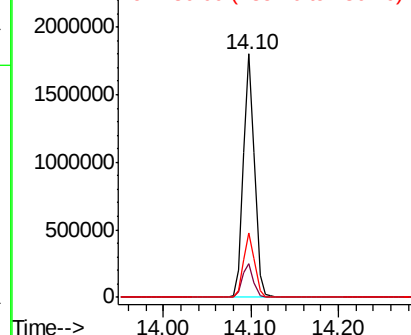
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.10 min Scan# 2042  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

Tgt Ion:240 Resp: 1548751  
Ion Ratio Lower Upper  
240 100  
120 13.8 10.5 15.7  
236 26.4 21.5 32.3

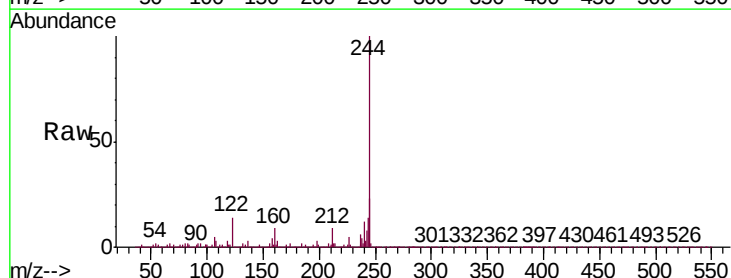


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

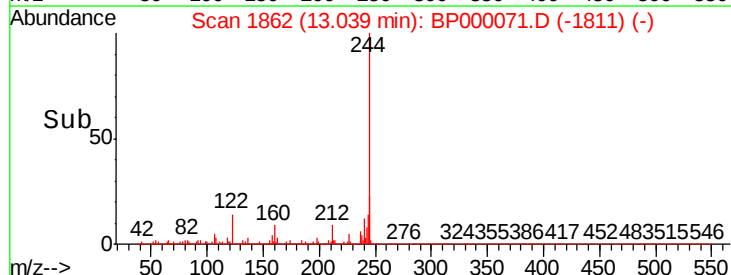
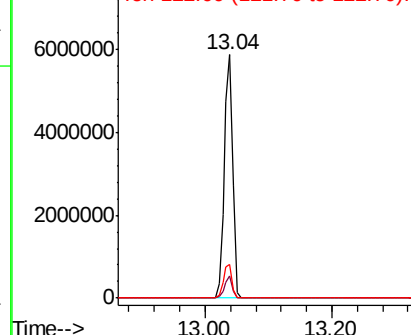


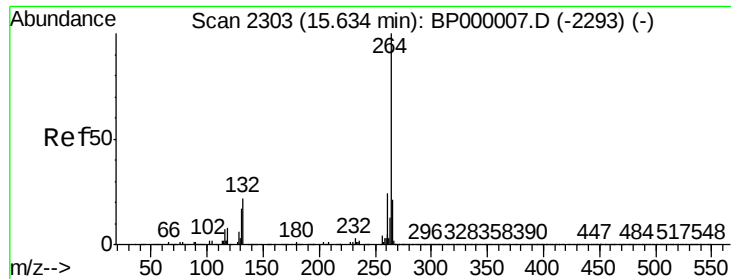
#79  
Terphenyl-d14  
Concen: 79.467 ng  
RT: 13.04 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Tgt Ion:244 Resp: 5646668  
Ion Ratio Lower Upper  
244 100  
212 9.2 6.6 10.0  
122 13.8 12.3 18.5



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





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.62 min Scan# 2301  
Delta R.T. -0.01 min  
Lab File: BP000071.D  
Acq: 04 Sep 2019 17:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB122750BL

Tgt Ion: 264 Resp: 1616831  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.1  | 28.7  |
| 265 | 22.3  | 17.1  | 25.7  |

