

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\  
 Data File : BP000529.D  
 Acq On : 05 Oct 2019 00:01  
 Operator : JU  
 Sample : K5143-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Oct 05 01:08:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 01 18:03:42 2019  
 Response via : Initial Calibration

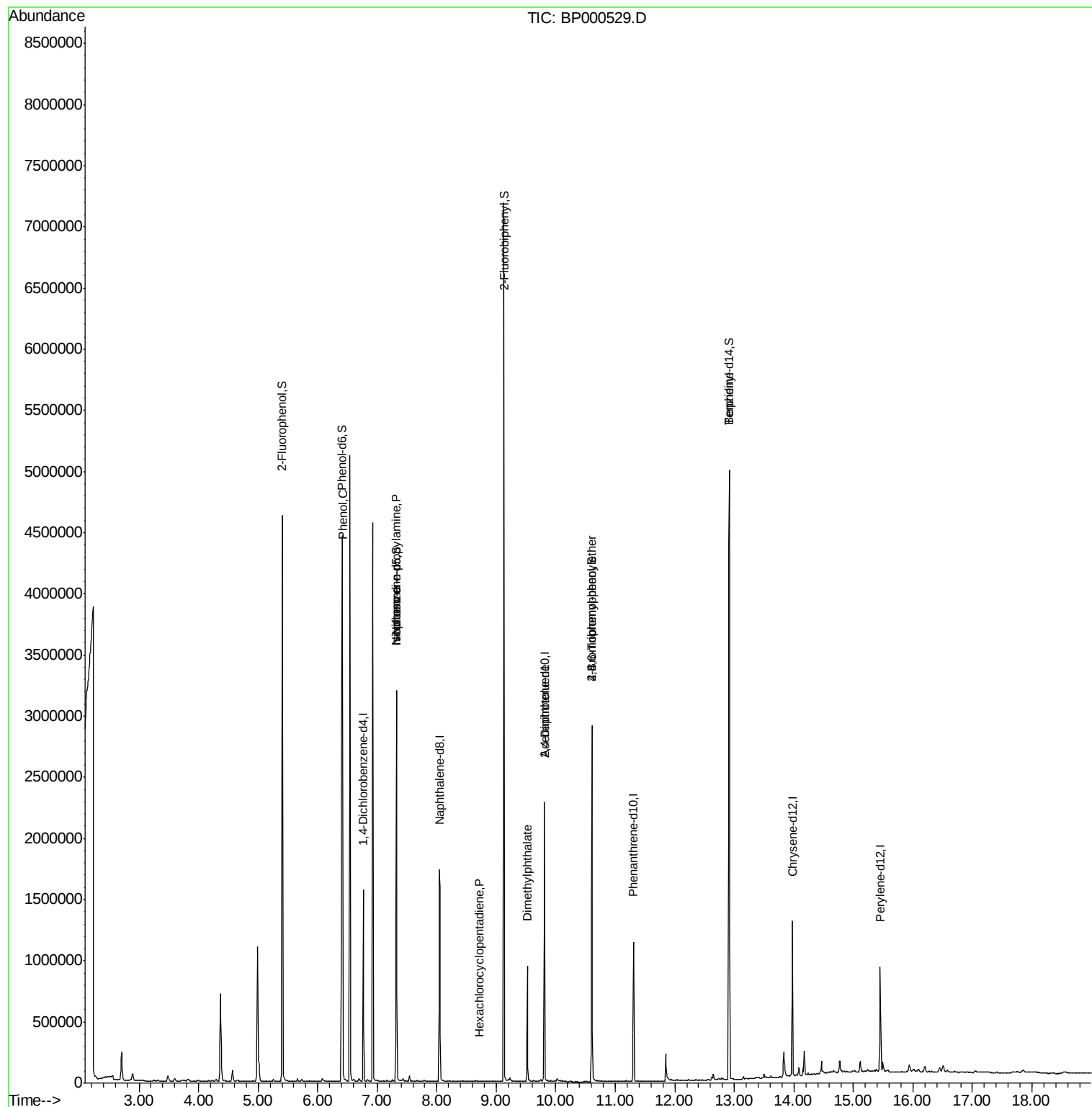
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 240254   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 827946   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.81  | 164  | 432574   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.30 | 188  | 421064   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.97 | 240  | 389650   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.45 | 264  | 421760   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 1592831  | 106.57 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.41  | 99   | 1952543  | 108.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 1085245  | 80.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.61 | 330  | 405558   | 87.98  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 2244355  | 83.95  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.92 | 244  | 1782069  | 92.60  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.42  | 94   | 149902   | 8.129  | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 133604   | 16.093 | ng    | # 73     |
| 25) Isophorone                 | 7.33  | 82   | 1085156  | 45.103 | ng    | # 61     |
| 41) Hexachlorocyclopentadiene  | 8.73  | 237  | 20       | 7.300  | ng    | 89       |
| 50) Dimethylphthalate          | 9.52  | 163  | 371556   | 12.362 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.81  | 165  | 56573    | 6.510  | ng    | # 31     |
| 67) 4-Bromophenyl-phenylether  | 10.60 | 248  | 27201    | 5.739  | ng    | # 1      |
| 77) Benzidine                  | 12.92 | 184  | 24631    | 2.183  | ng    | 97       |

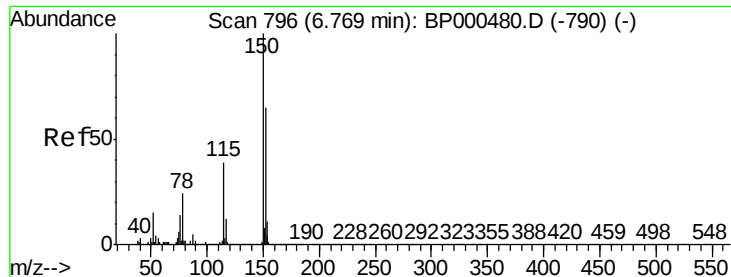
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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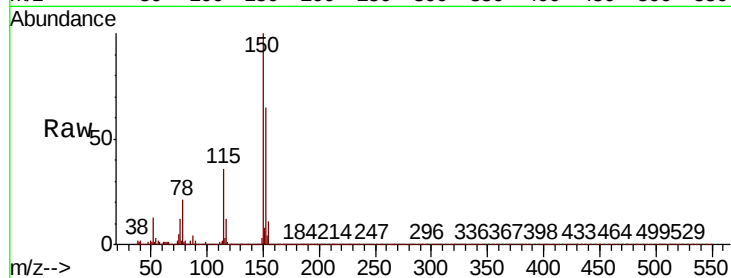


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.00 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 124.1 | 186.1 |
| 115     | 56.2  | 48.7  | 73.1  |

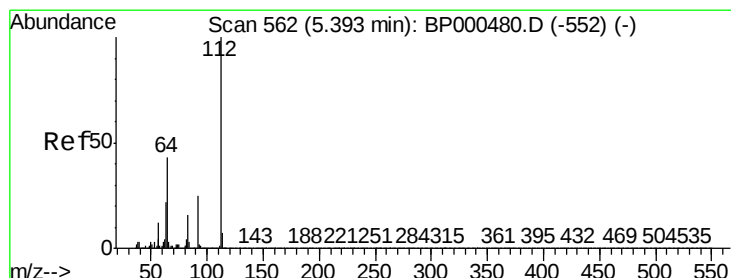
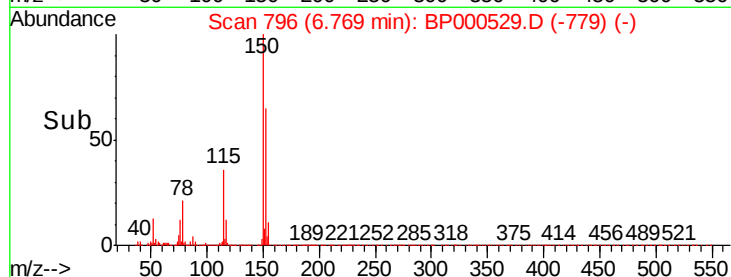
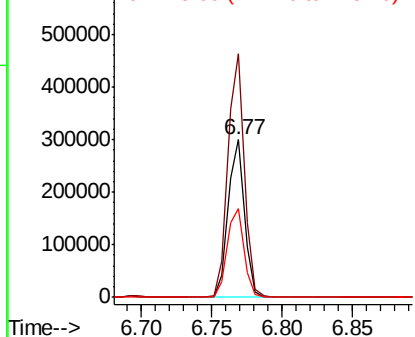


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

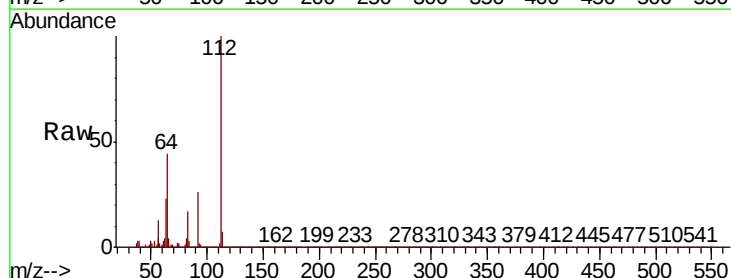
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 106.570 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 44.5  | 34.2  | 51.4  |
| 63      | 23.1  | 17.9  | 26.9  |

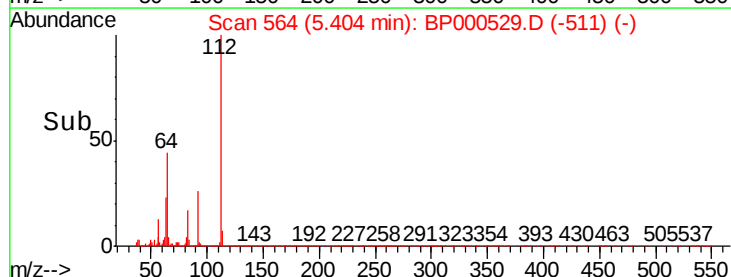
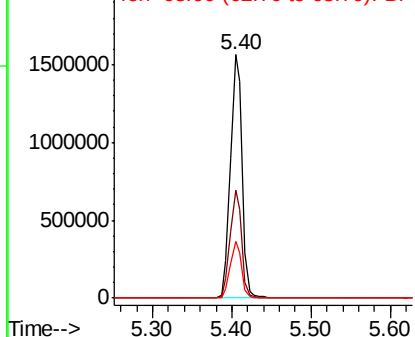


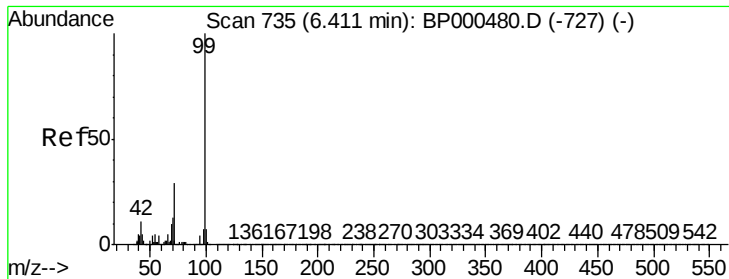
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 108.408 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

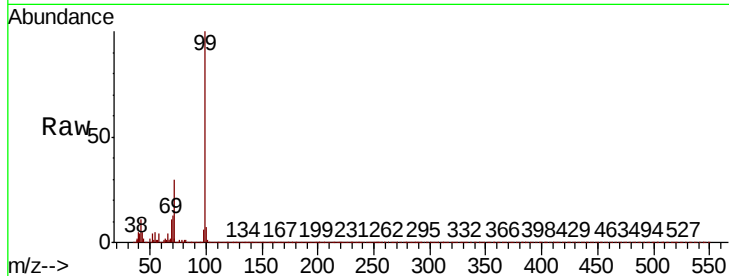
Instrument :

BNA\_P

ClientSampled :

Tot Ion: 99 Resp: 1952543

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.1  | 8.6   | 12.8  |
| 71  | 30.3  | 23.0  | 34.4  |

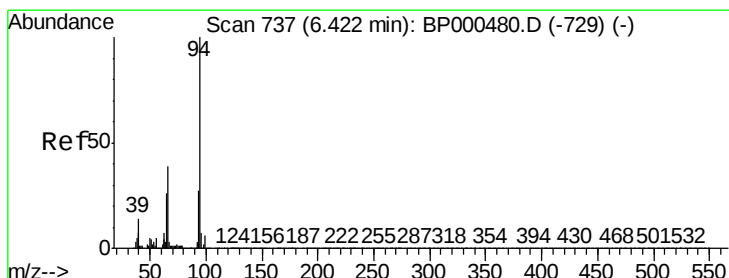
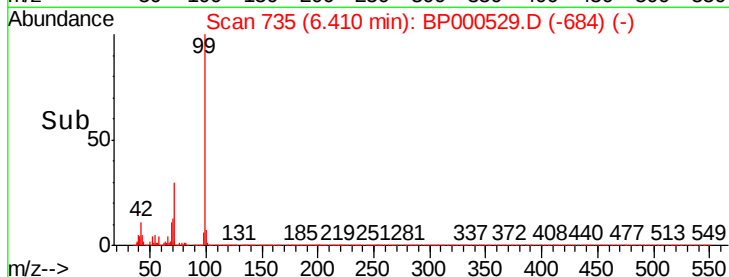
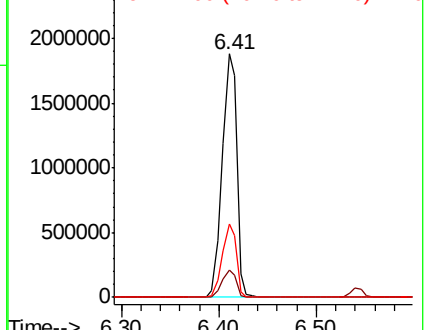


Abundance

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



#10

Phenol

Concen: 8.129 ng

RT: 6.42 min Scan# 737

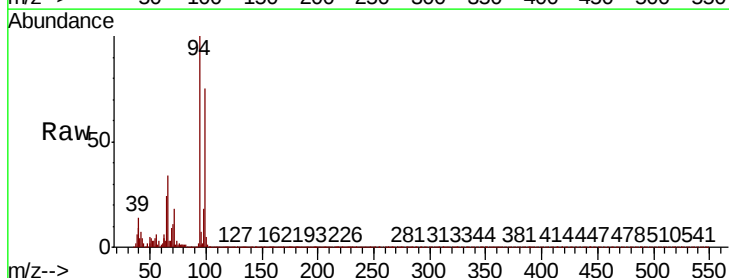
Delta R.T. -0.00 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Tgt Ion: 94 Resp: 149902

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 23.6  | 5.9   | 45.9  |
| 66  | 34.5  | 18.8  | 58.8  |

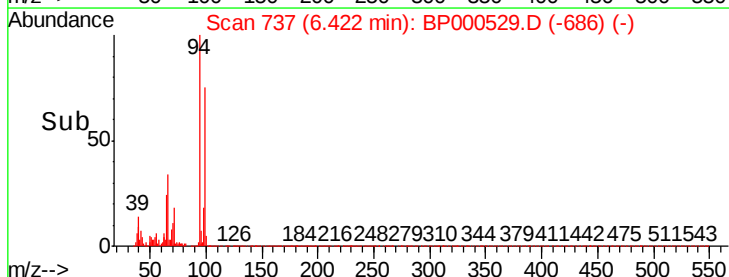
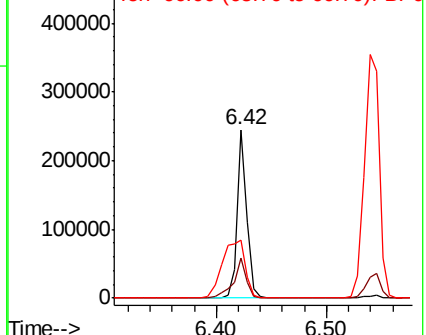


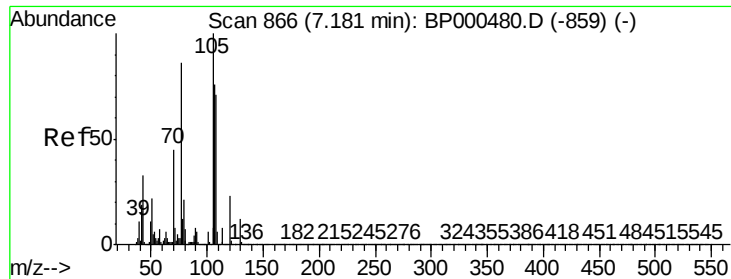
Abundance

Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

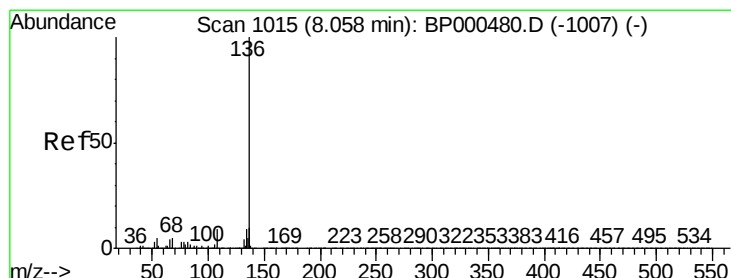
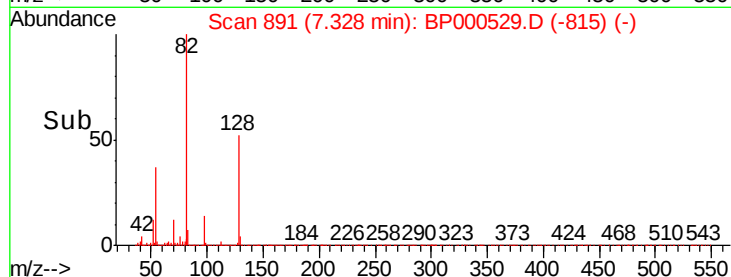
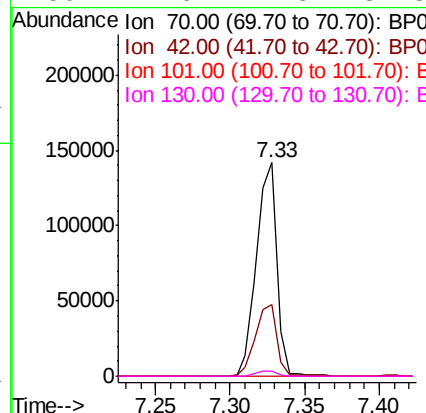
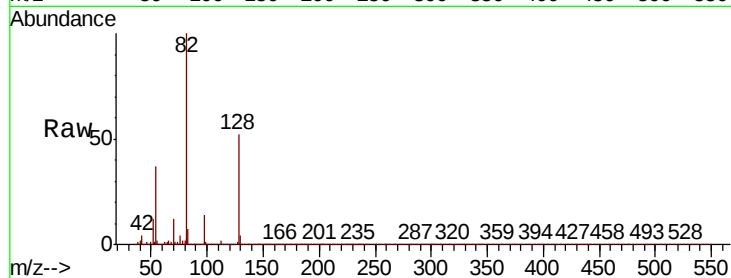




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.093 ng  
RT: 7.33 min Scan# 891  
Delta R.T. 0.15 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

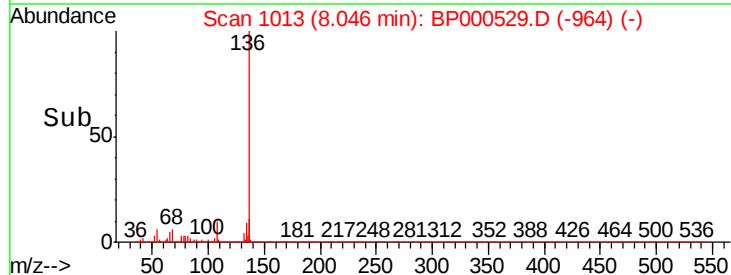
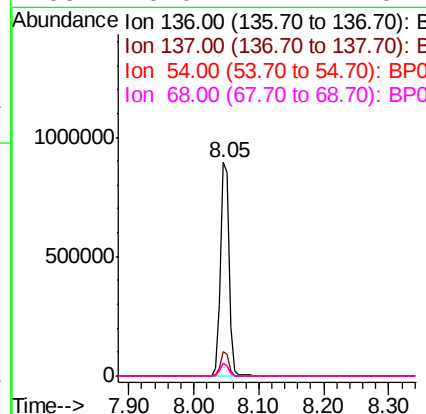
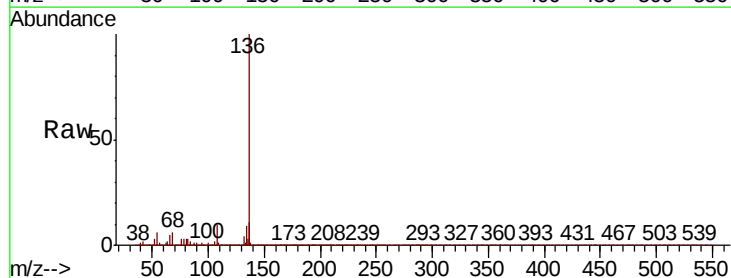
Instrument :  
BNA\_P  
ClientSampleId :

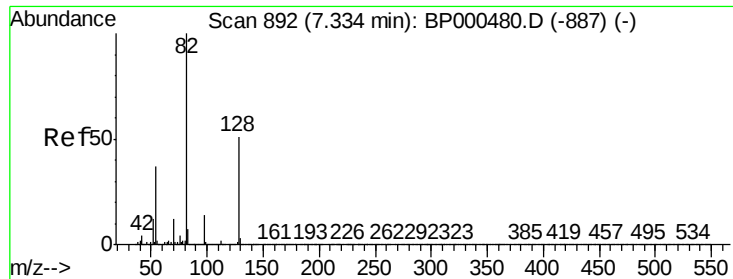
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 133604 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 33.4  | 33.2  | 49.8   |
| 101      | 0.0   | 9.9   | 14.9#  |
| 130      | 2.6   | 21.8  | 32.8#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 827946 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.2   | 12.4   |
| 54       | 6.0   | 4.1   | 6.1    |
| 68       | 6.0   | 4.1   | 6.1    |

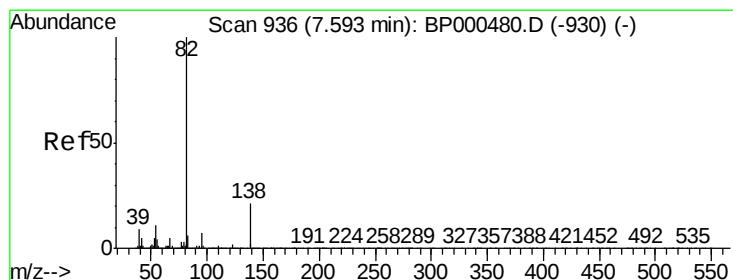
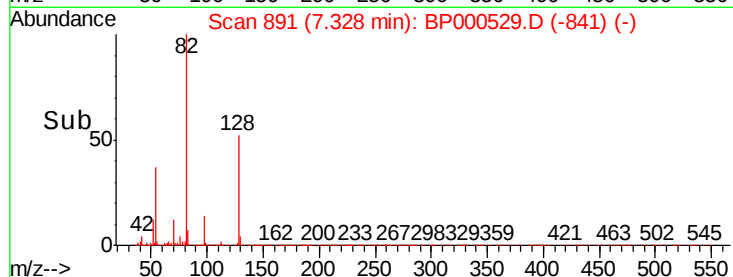
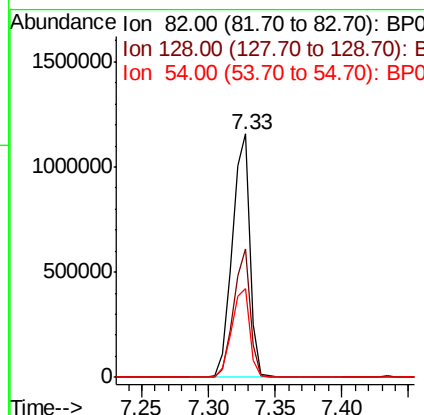
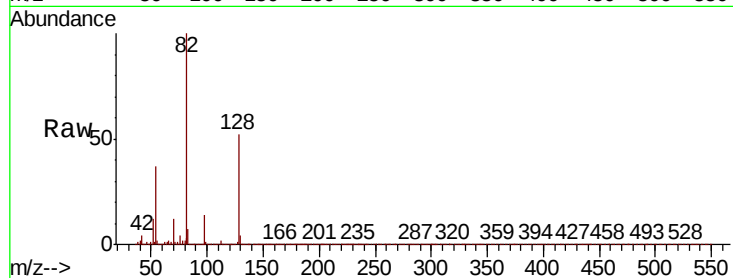




#23  
 Nitrobenzene-d5  
 Concen: 80.056 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. -0.01 min  
 Lab File: BP000529.D  
 Acq: 05 Oct 2019 00:01

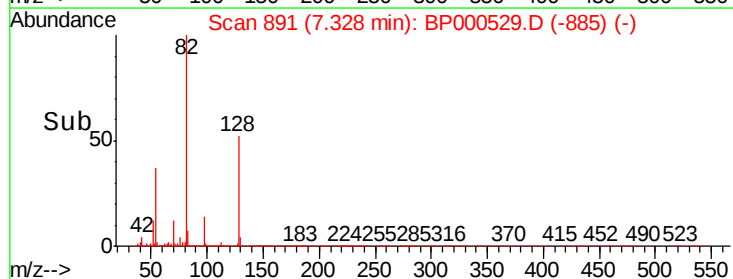
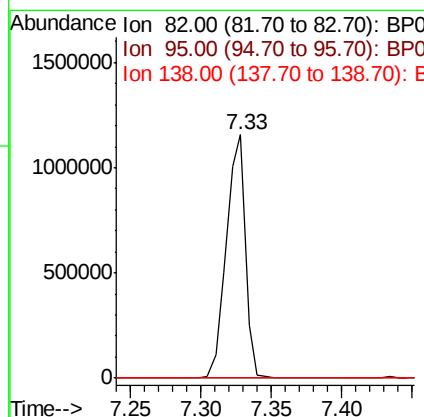
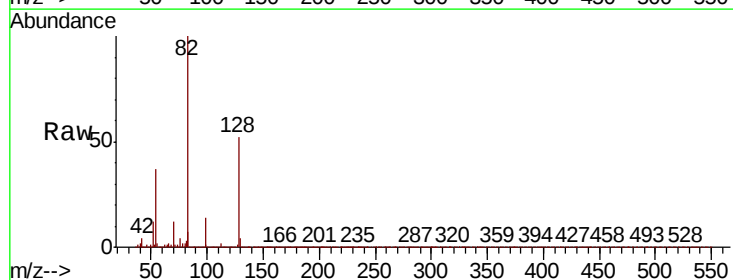
Instrument :  
 BNA\_P  
 ClientSampleId :

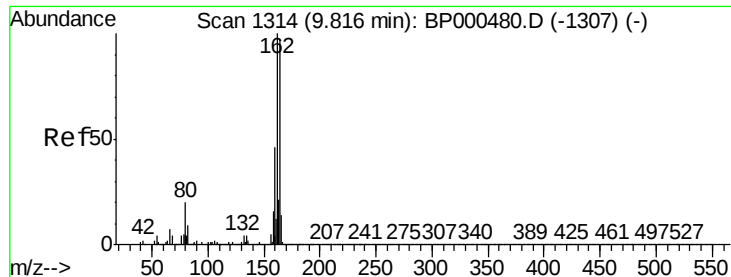
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.5  | 40.9  | 61.3  |
| 54      | 36.7  | 29.4  | 44.2  |



#25  
 Isophorone  
 Concen: 45.103 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. -0.26 min  
 Lab File: BP000529.D  
 Acq: 05 Oct 2019 00:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.8   | 8.6#  |
| 138     | 0.0   | 17.0  | 25.4# |

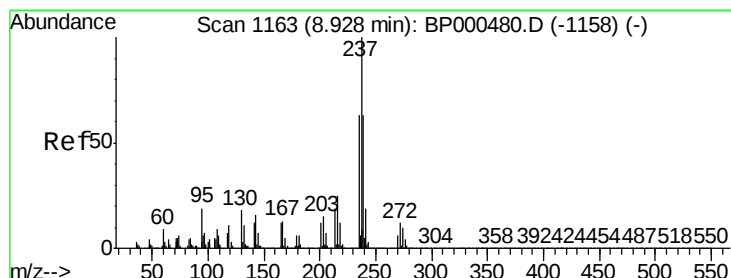
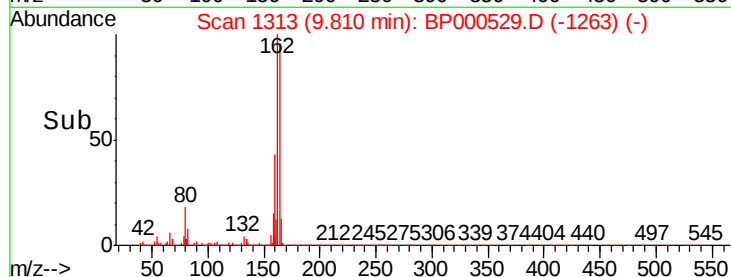
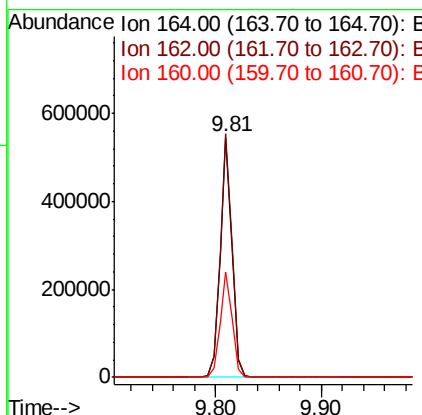
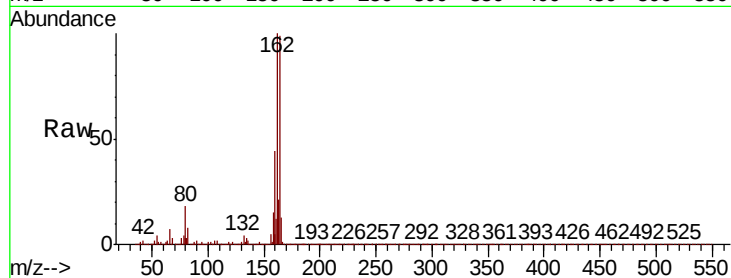




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

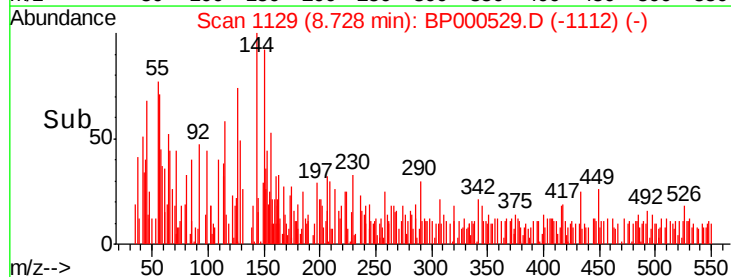
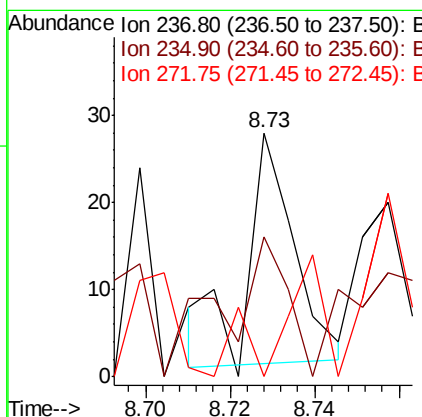
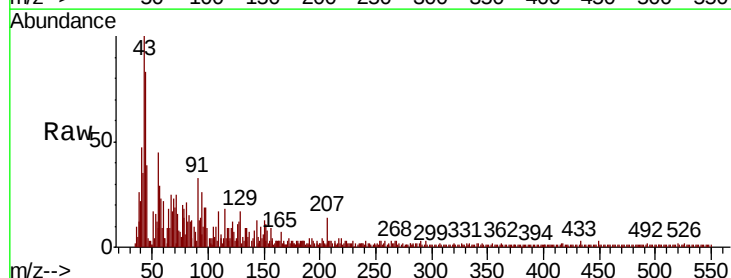
Instrument :  
BNA\_P  
ClientSampleId :

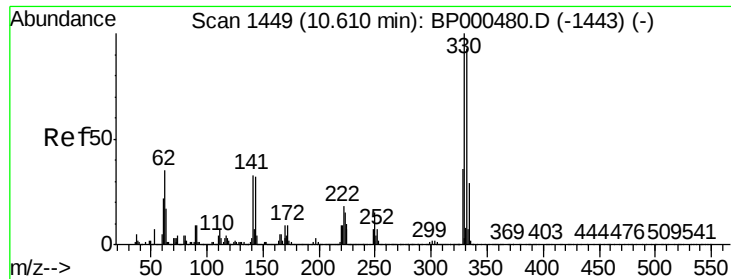
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 82.2  | 123.2 |
| 160     | 44.1  | 37.6  | 56.4  |



#41  
Hexachlorocyclopentadiene  
Concen: 7.300 ng  
RT: 8.73 min Scan# 1129  
Delta R.T. -0.20 min  
Lab File: BP000529.D  
Acq: 05 Oct 2019 00:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 57.1  | 42.9  | 82.9  |
| 272     | 0.0   | 0.0   | 32.4  |





#42

2,4,6-Tribromophenol

Concen: 87.981 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Instrument :

BNA\_P

ClientSampleId :

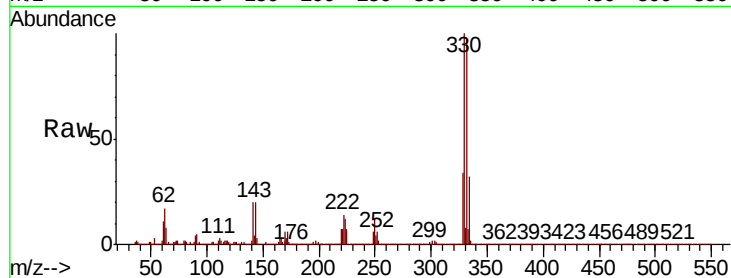
Tot Ion:330 Resp: 405558

Ion Ratio Lower Upper

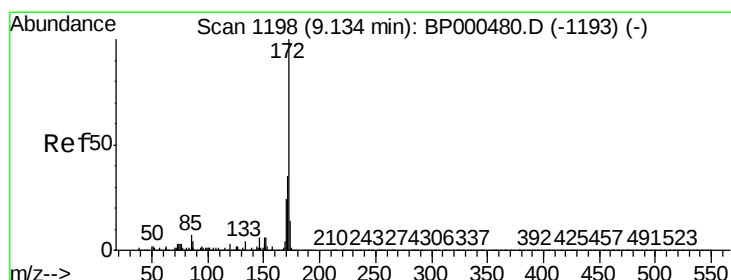
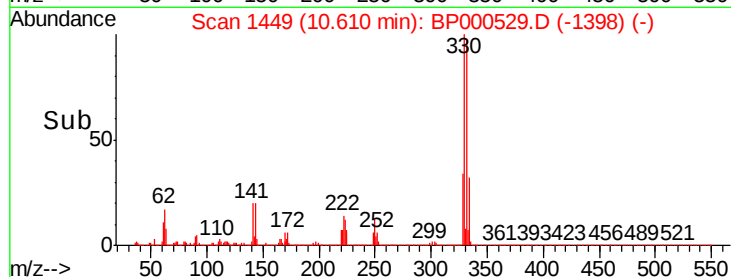
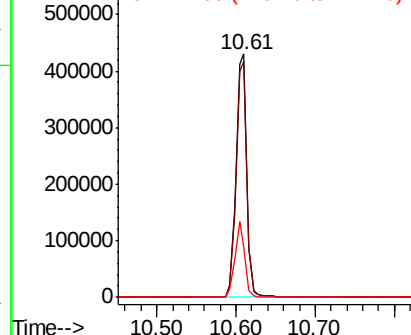
330 100

332 96.6 77.1 115.7

141 28.3 26.0 39.0



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: 83.948 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

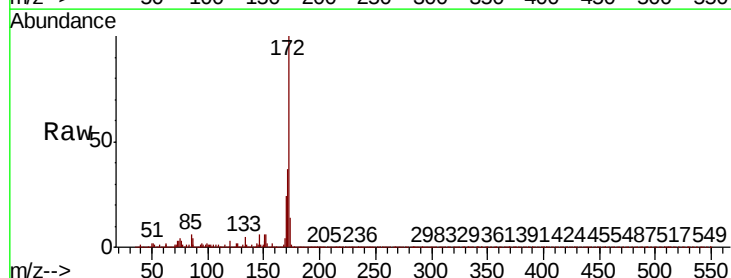
Tgt Ion:172 Resp: 2244355

Ion Ratio Lower Upper

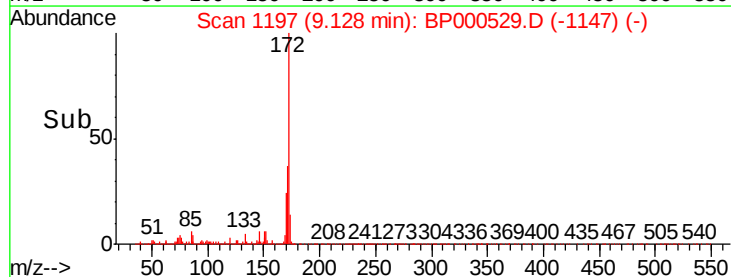
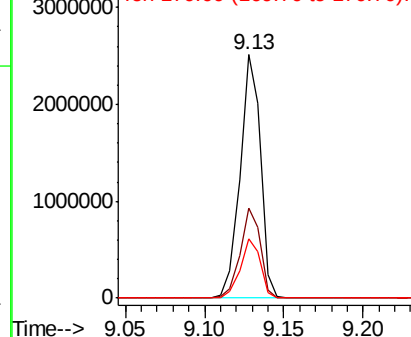
172 100

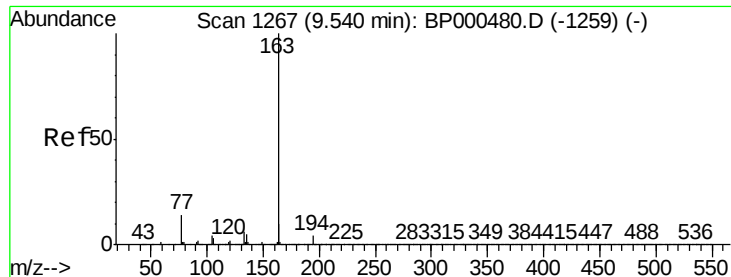
171 36.8 28.4 42.6

170 24.2 19.1 28.7



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





#50

Dimethylphthalate

Concen: 12.362 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Instrument :

BNA\_P

ClientSampleId :

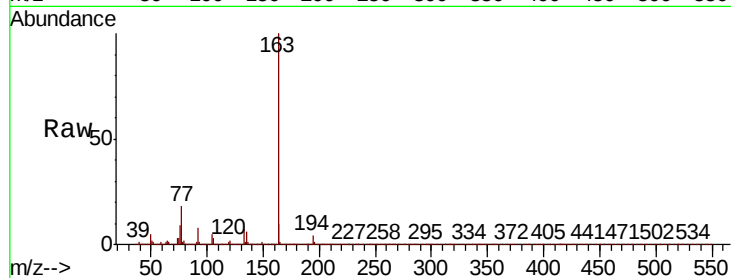
Tot Ion:163 Resp: 371556

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

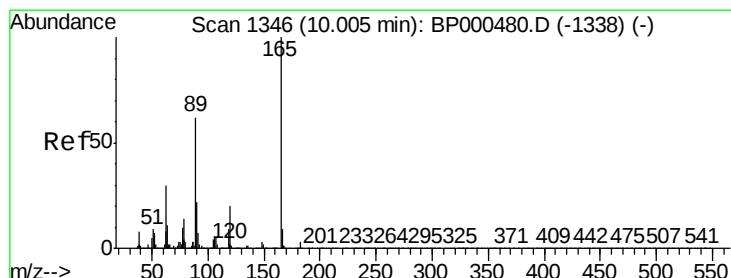
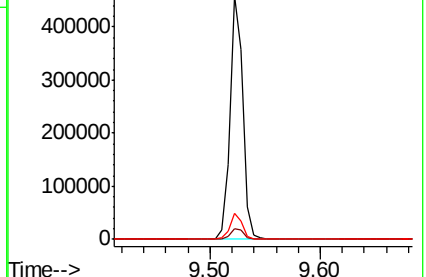
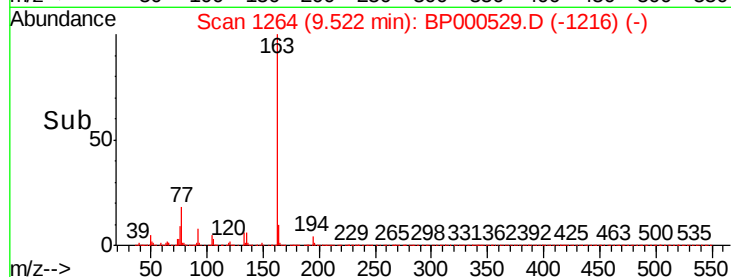
164 10.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.510 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Tgt Ion:165 Resp: 56573

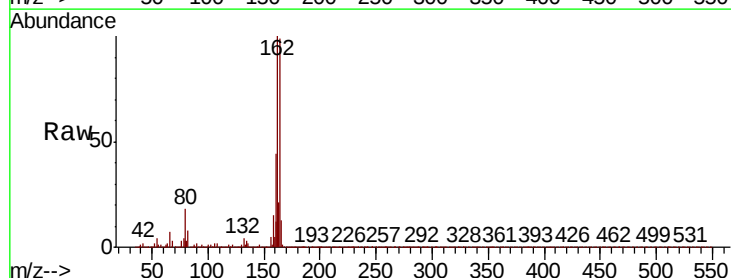
Ion Ratio Lower Upper

165 100

63 1.1 24.2 36.4#

89 1.2 49.4 74.0#

182 0.1 2.5 3.7#

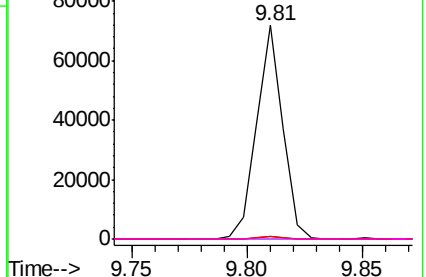
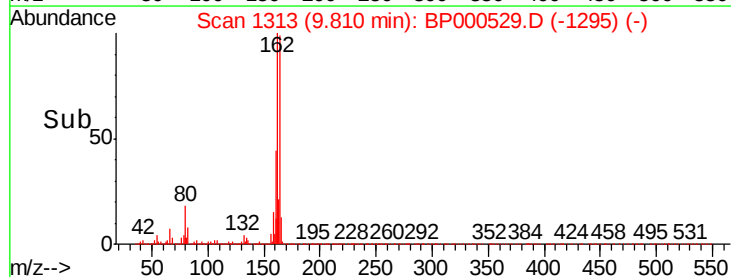


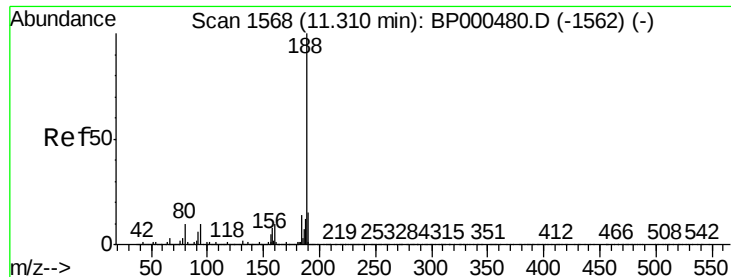
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Instrument :

BNA\_P

ClientSampleId :

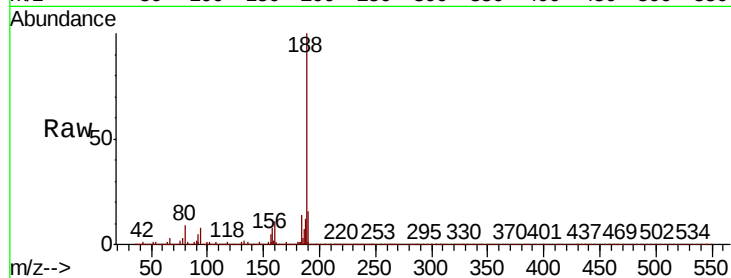
Tot Ion:188 Resp: 421064

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

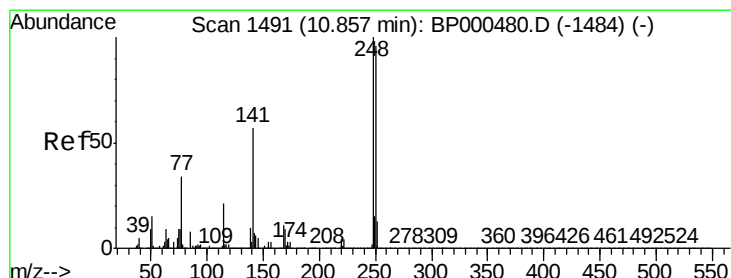
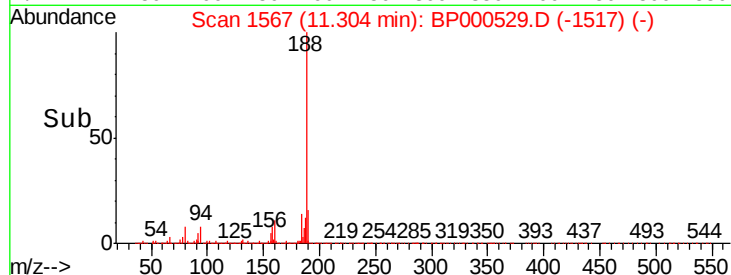
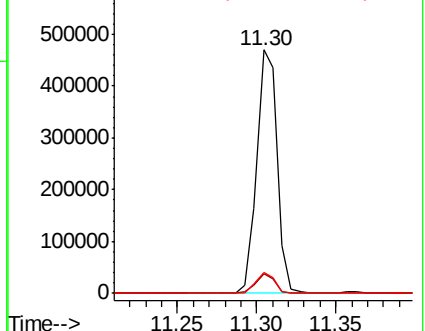
80 8.5 8.3 12.5



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



#67

4-Bromophenyl-phenylether

Concen: 5.739 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

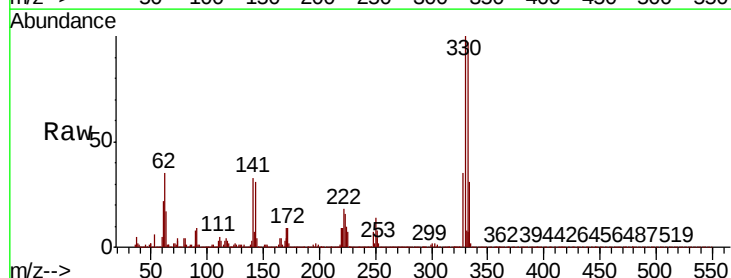
Tgt Ion:248 Resp: 27201

Ion Ratio Lower Upper

248 100

250 195.6 77.2 115.8#

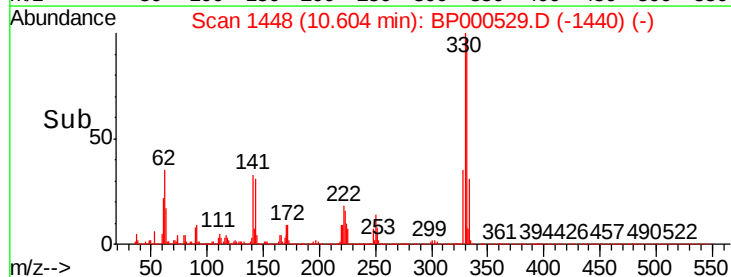
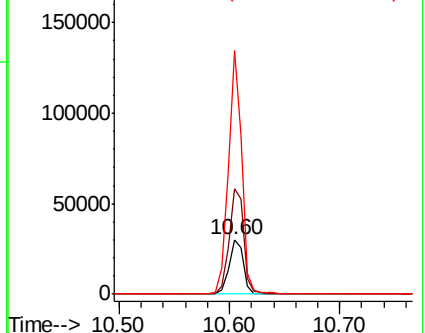
141 449.4 45.3 67.9#

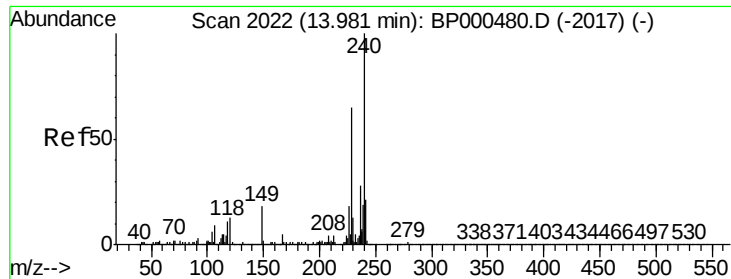


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Instrument :

BNA\_P

ClientSampleId :

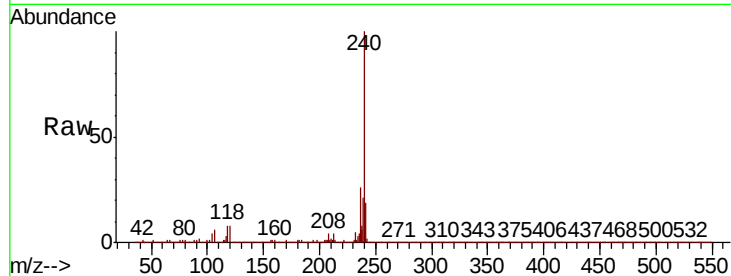
Tot Ion:240 Resp: 389650

Ion Ratio Lower Upper

240 100

120 8.3 10.1 15.1#

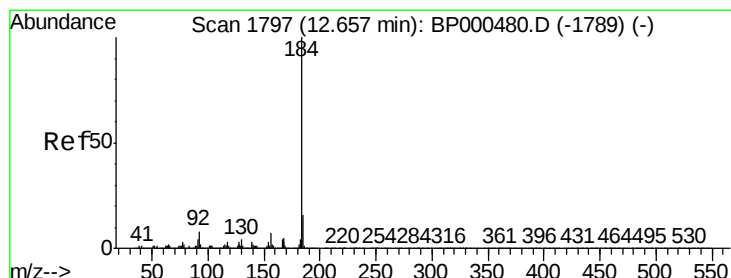
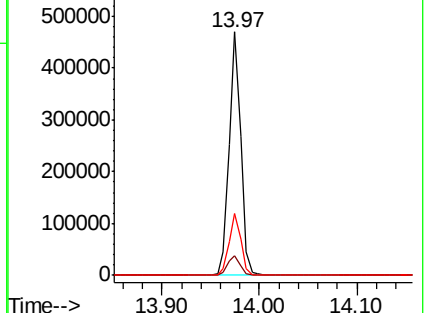
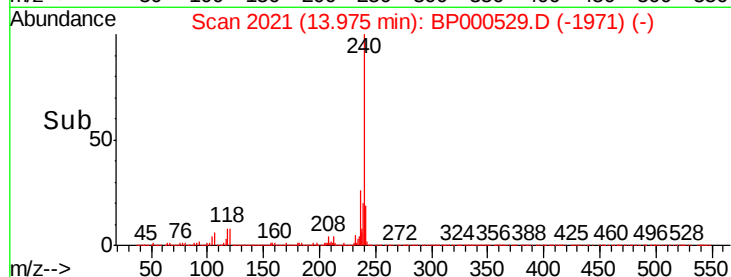
236 25.6 22.7 34.1



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

Benzidine

Concen: 2.183 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

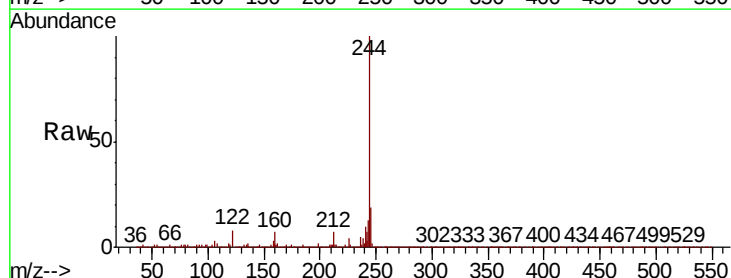
Tgt Ion:184 Resp: 24631

Ion Ratio Lower Upper

184 100

185 17.3 12.7 19.1

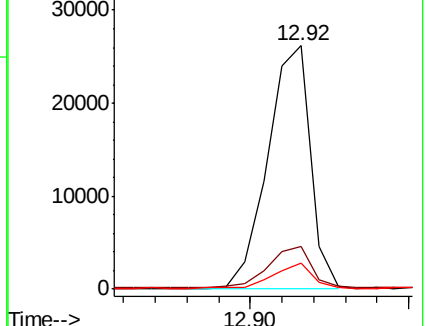
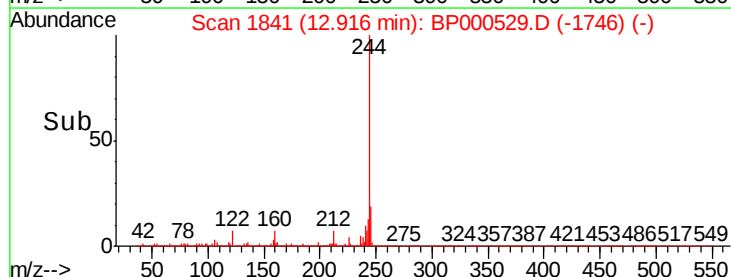
183 10.7 9.7 14.5

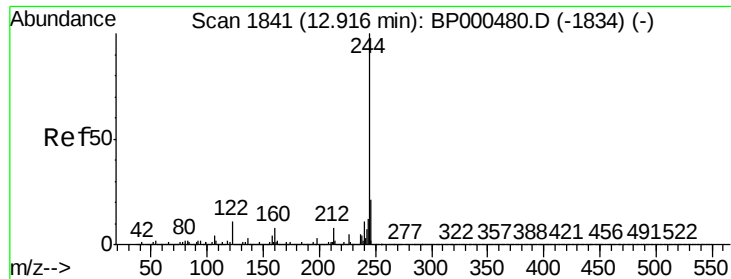


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 92.601 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

Instrument :

BNA\_P

ClientSampled :

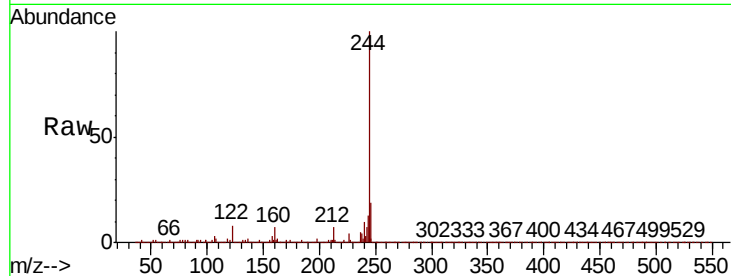
Tot Ion:244 Resp: 1782069

Ion Ratio Lower Upper

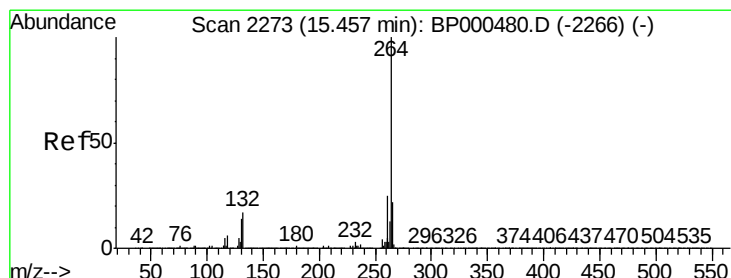
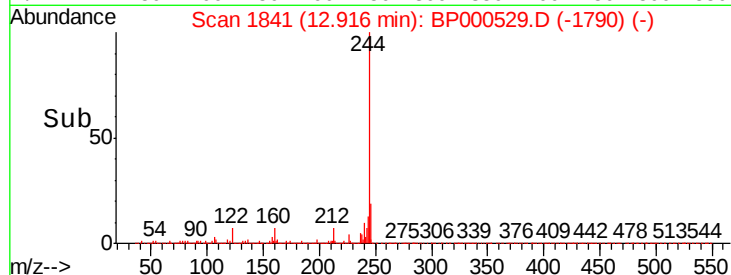
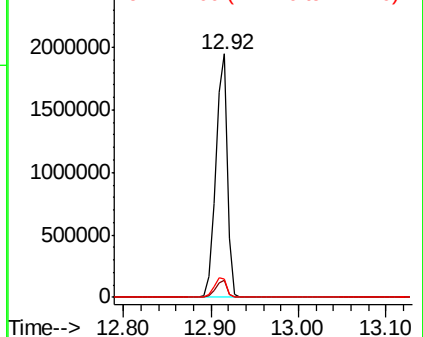
244 100

212 7.1 6.0 9.0

122 7.5 8.9 13.3#



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: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BP000529.D

Acq: 05 Oct 2019 00:01

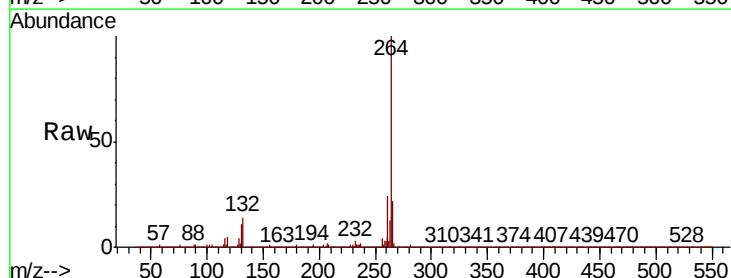
Tgt Ion:264 Resp: 421760

Ion Ratio Lower Upper

264 100

260 24.0 20.3 30.5

265 22.1 18.0 27.0



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

