

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP073120\  
 Data File : BP002900.D  
 Acq On : 31 Jul 2020 19:25  
 Operator : CG/JU  
 Sample : L3518-33  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-10

Quant Time: Jul 31 23:20:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 15:30:34 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 552326   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 2122291  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.35 | 164  | 1234717  | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.10 | 188  | 2507947  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.20 | 240  | 2027785  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.46 | 264  | 1768837  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.33  | 112  | 4033796  | 111.78 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 4639679  | 92.60  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 3546646  | 90.51  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.85 | 330  | 2097486  | 136.68 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.97 | 172  | 7193019  | 79.60  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.68 | 244  | 9646077  | 95.23  | ng    | 0.00     |

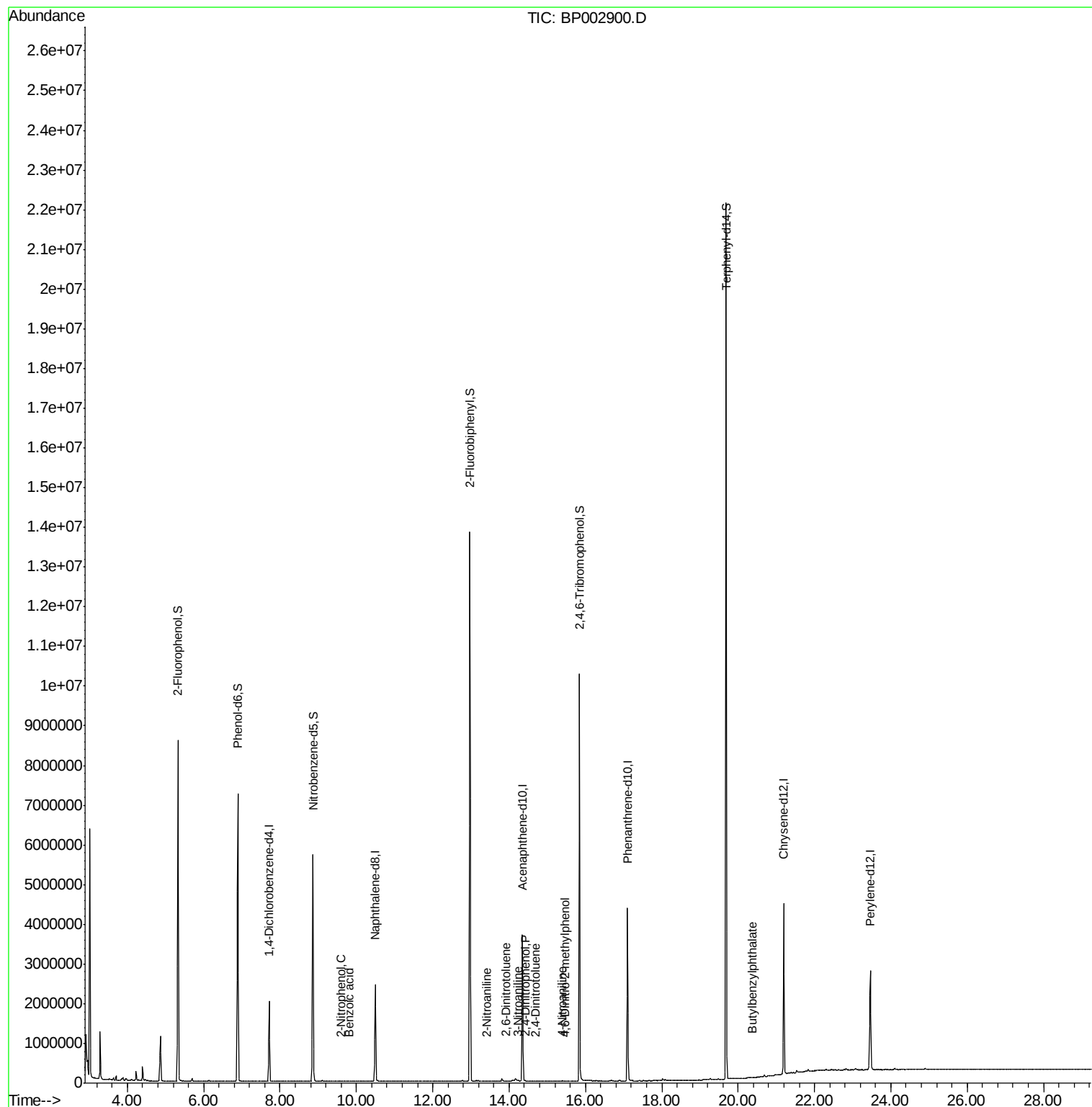
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 26) 2-Nitrophenol              | 9.61  | 139  | 47       | 4.523 | ng    | # 1    |
| 32) Benzoic acid               | 9.82  | 122  | 553      | 7.710 | ng    | # 7    |
| 48) 2-Nitroaniline             | 13.41 | 65   | 107      | 3.977 | ng    | # 63   |
| 51) 2,6-Dinitrotoluene         | 13.91 | 165  | 843      | 2.936 | ng    | # 71   |
| 53) 3-Nitroaniline             | 14.24 | 138  | 252      | 3.284 | ng    | # 16   |
| 54) 2,4-Dinitrophenol          | 14.44 | 184  | 17       | 8.059 | ng    | # 1    |
| 57) 2,4-Dinitrotoluene         | 14.71 | 165  | 74       | 3.808 | ng    | # 25   |
| 62) 4-Nitroaniline             | 15.40 | 138  | 53       | 2.418 | ng    | # 1    |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 76       | 6.905 | ng    | # 1    |
| 80) Butylbenzylphthalate       | 20.37 | 149  | 589      | 3.067 | ng    | # 64   |

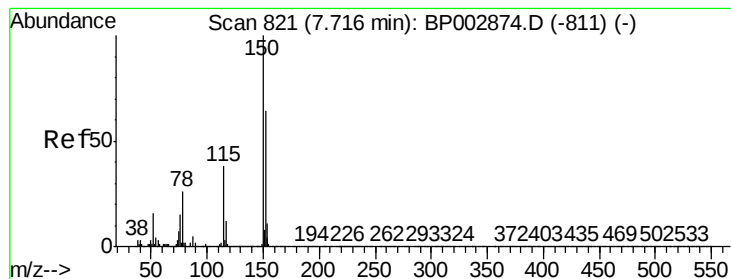
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 30 15:30:34 2020  
Response via : Initial Calibration



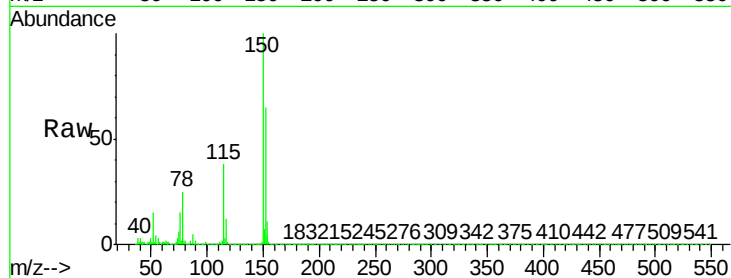


#1

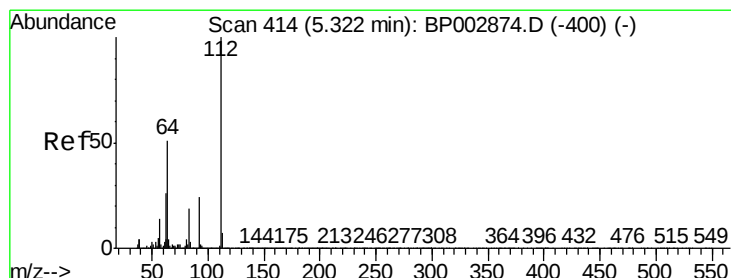
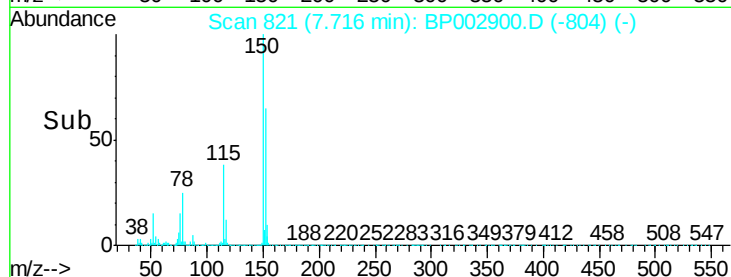
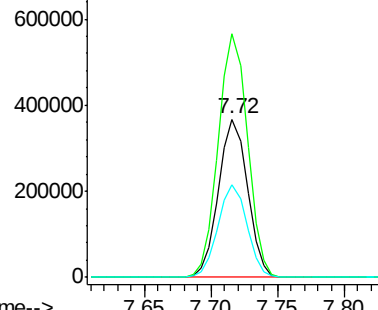
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.72 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Instrument :  
BNA\_P  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.8 | 124.8 | 187.2 |
| 115     | 58.1  | 47.4  | 71.2  |



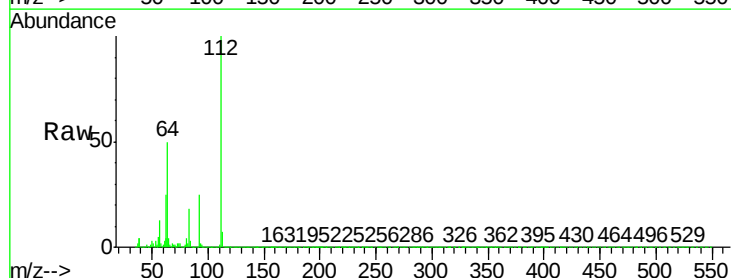
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



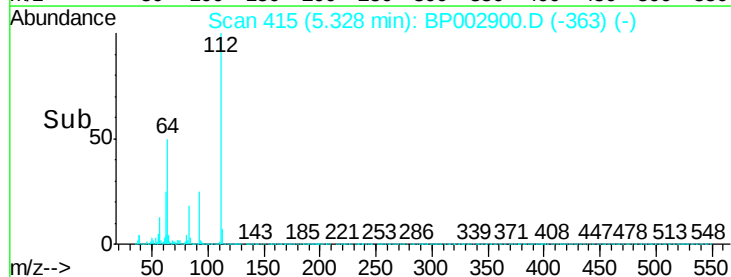
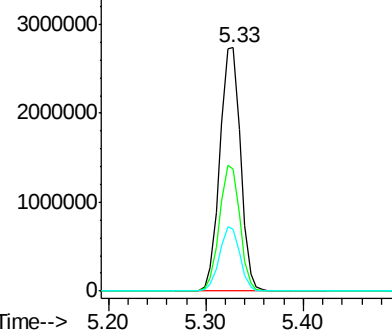
#5

2-Fluorophenol  
Concen: 111.777 ng  
RT: 5.33 min Scan# 415  
Delta R.T. 0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.9  | 41.0  | 61.6  |
| 63      | 25.3  | 20.7  | 31.1  |



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: 92.602 ng

RT: 6.89 min Scan# 681

Delta R.T. -0.00 min

Lab File: BP002900.D

Acq: 31 Jul 2020 19:25

Instrument :

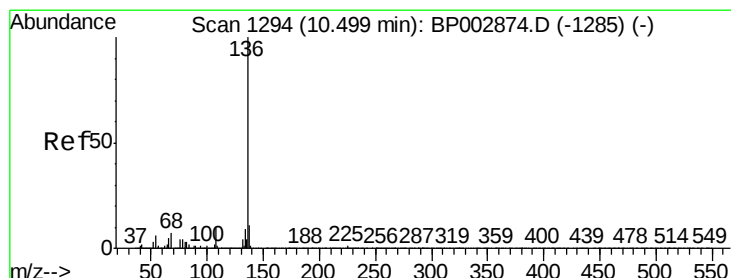
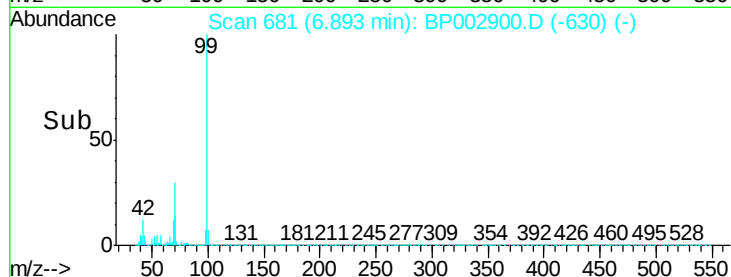
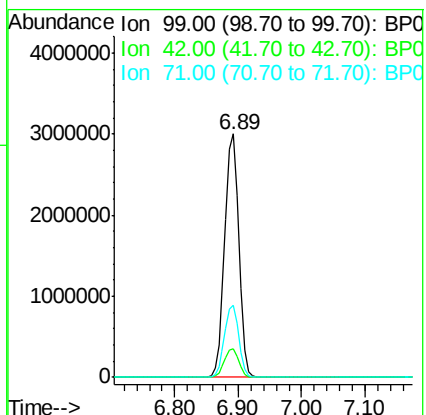
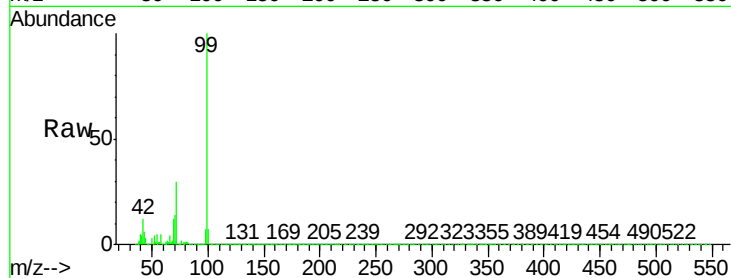
BNA\_P

ClientSampleId :

TP-10

Tot Ion: 99 Resp: 4639679

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.6  | 9.3   | 13.9  |
| 71  | 29.7  | 23.5  | 35.3  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1294

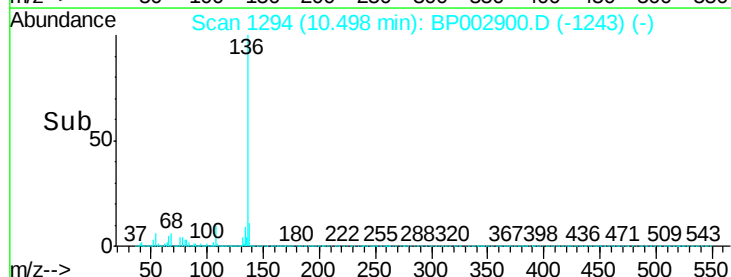
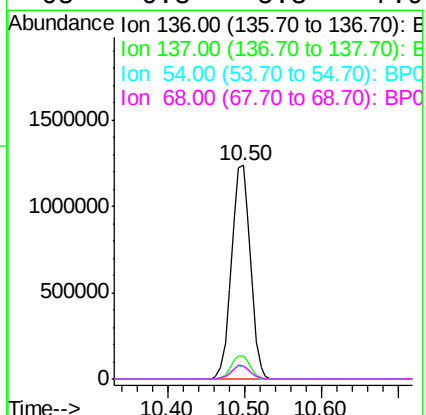
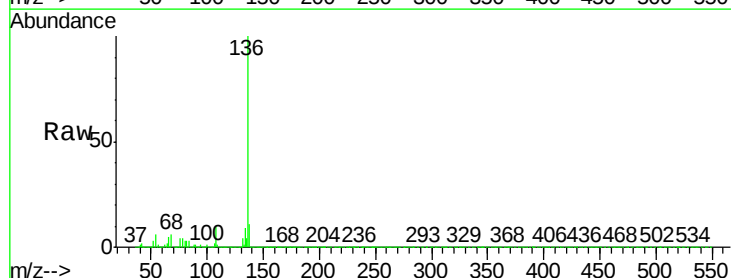
Delta R.T. -0.00 min

Lab File: BP002900.D

Acq: 31 Jul 2020 19:25

Tgt Ion: 136 Resp: 2122291

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 13.0  |
| 54  | 6.2   | 5.1   | 7.7   |
| 68  | 6.3   | 5.3   | 7.9   |

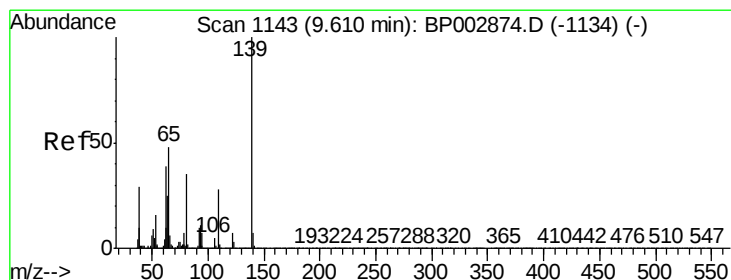
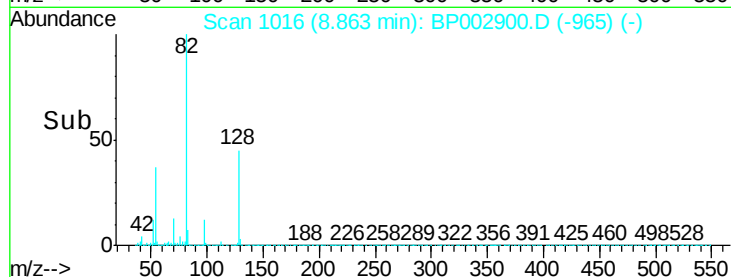
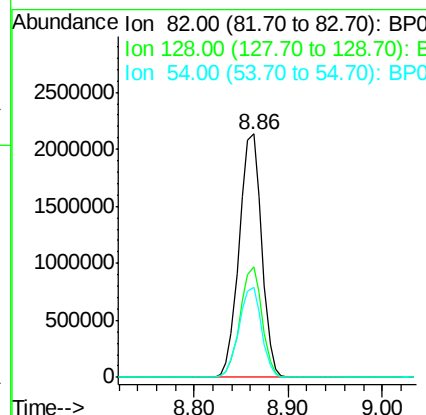
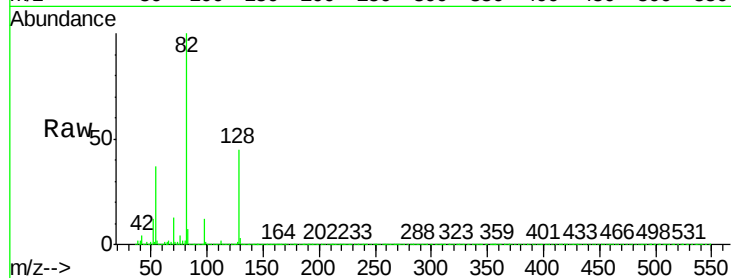




#23  
Nitrobenzene-d5  
Concen: 90.513 ng  
RT: 8.86 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

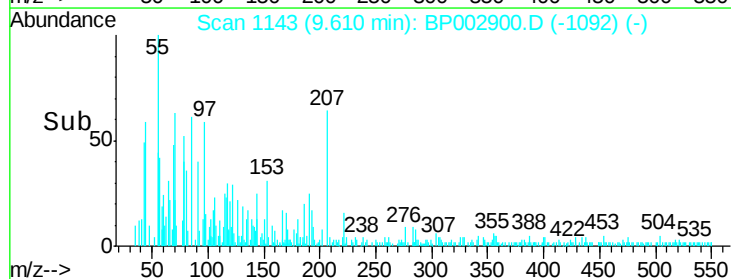
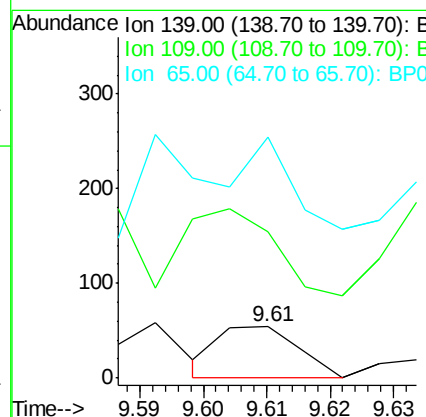
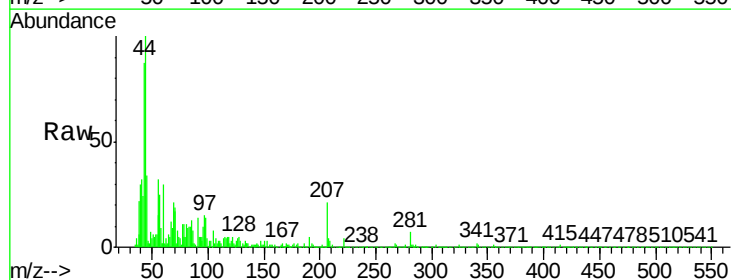
Instrument :  
BNA\_P  
ClientSampled :  
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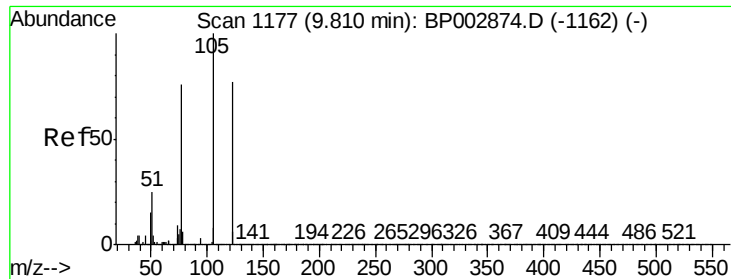
Tot Ion: 82 Resp: 3546646  
Ion Ratio Lower Upper  
82 100  
128 45.2 34.6 52.0  
54 37.0 29.5 44.3



#26  
2-Nitrophenol  
Concen: 4.523 ng  
RT: 9.61 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:139 Resp: 47  
Ion Ratio Lower Upper  
139 100  
109 285.2 22.2 33.2#  
65 472.2 38.9 58.3#

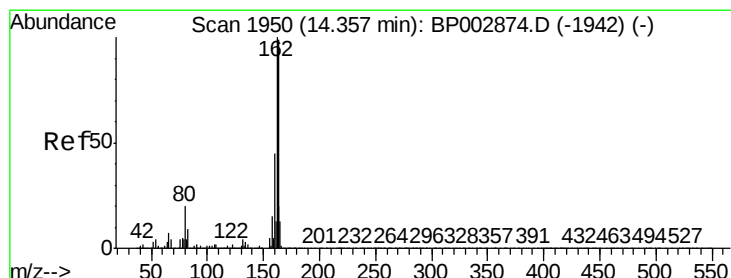
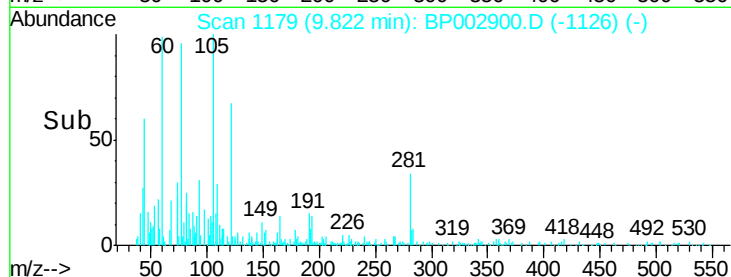
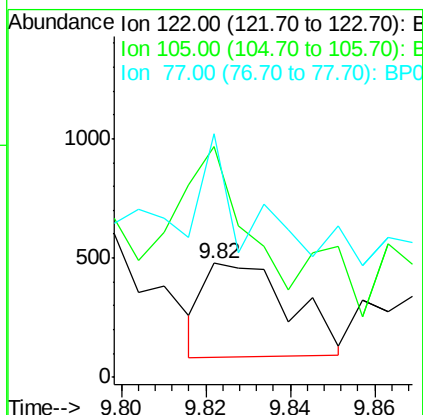
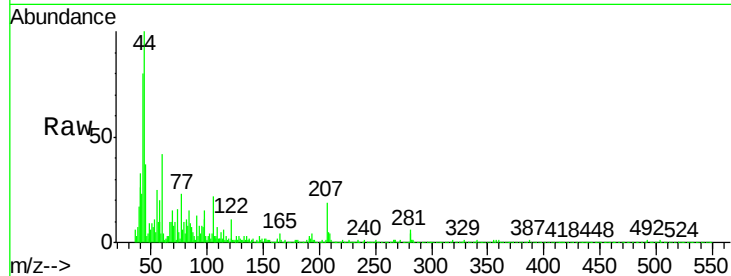




#32  
Benzoic acid  
Concen: 7.710 ng  
RT: 9.82 min Scan# 1179  
Delta R.T. 0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

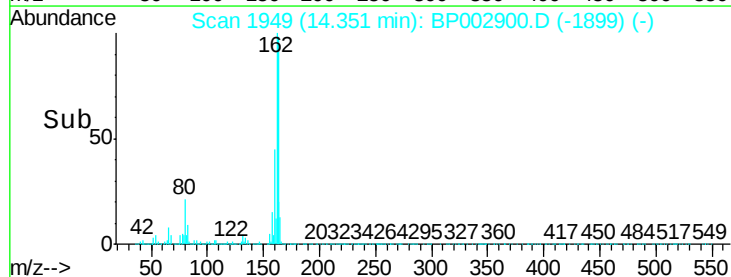
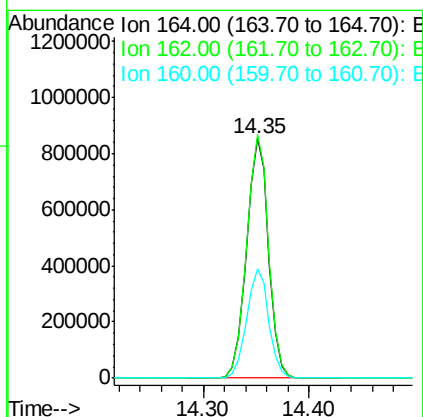
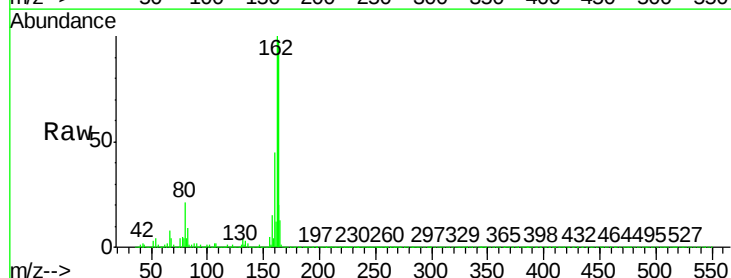
Instrument :  
BNA\_P  
ClientSampleId :  
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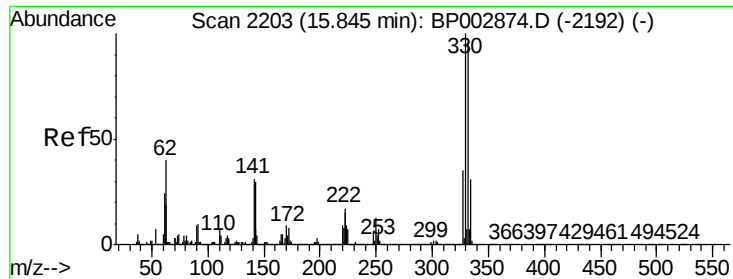
Tot Ion:122 Resp: 553  
Ion Ratio Lower Upper  
122 100  
105 202.3 103.4 143.4#  
77 213.6 74.6 114.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.35 min Scan# 1949  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:164 Resp: 1234717  
Ion Ratio Lower Upper  
164 100  
162 101.6 81.0 121.6  
160 45.6 36.2 54.4

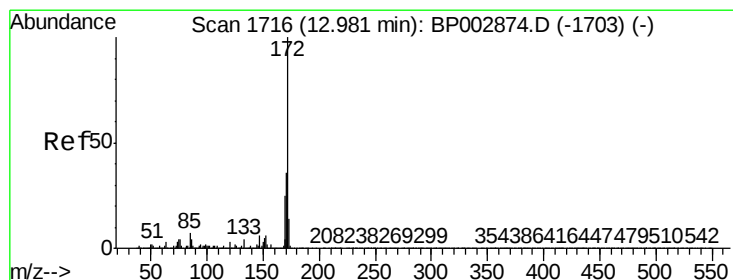
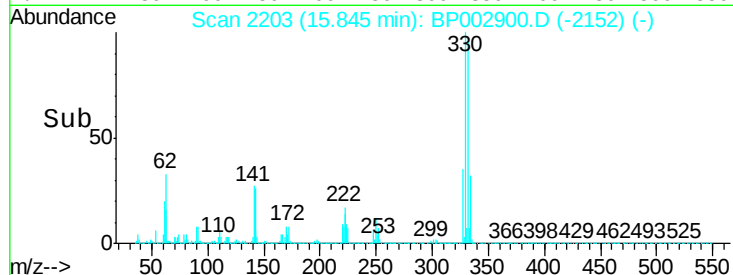
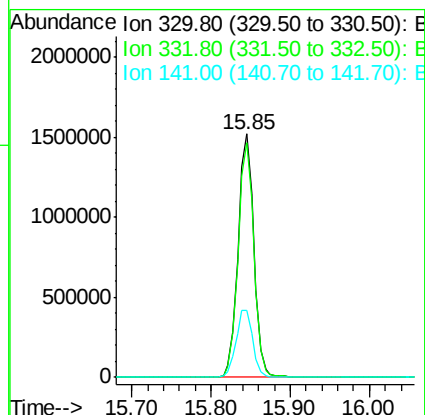
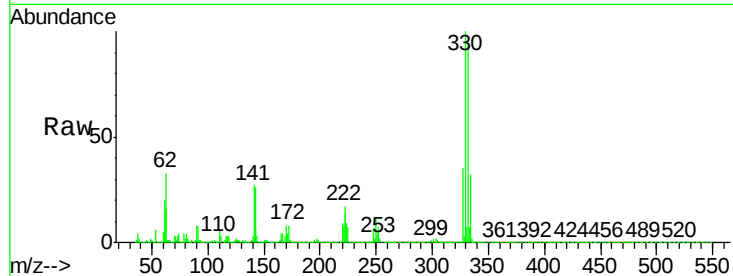




#42  
2,4,6-Tribromophenol  
Concen: 136.679 ng  
RT: 15.85 min Scan# 2203  
Delta R.T. -0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

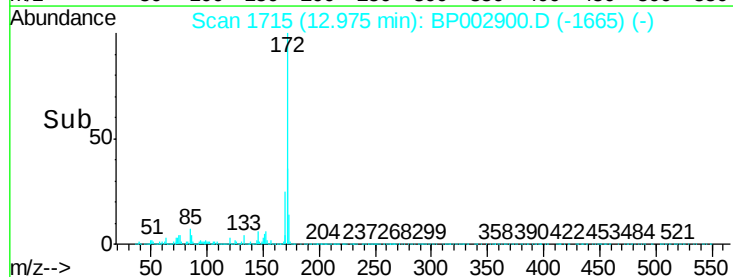
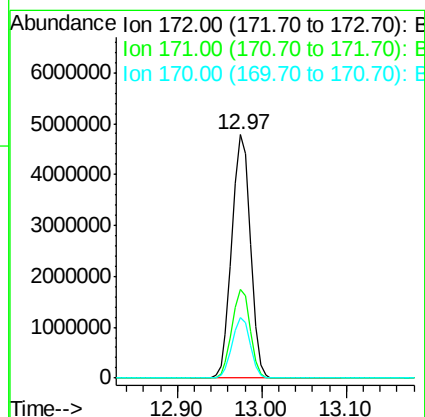
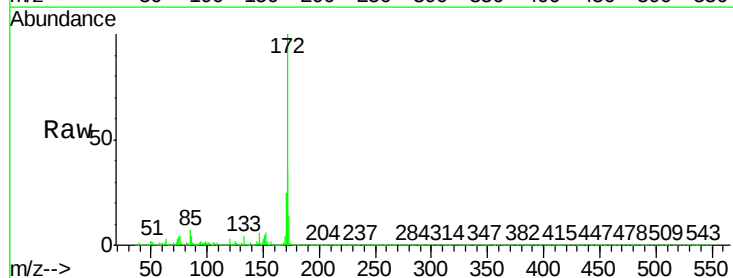
Instrument :  
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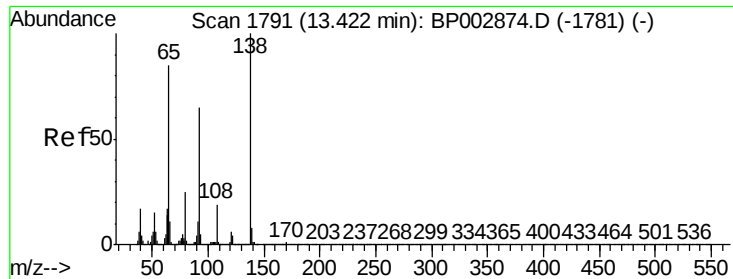
Tot Ion:330 Resp: 2097486  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.1 115.7  
141 29.6 24.6 37.0



#45  
2-Fluorobiphenyl  
Concen: 79.596 ng  
RT: 12.97 min Scan# 1715  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:172 Resp: 7193019  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.1 43.7  
170 24.7 19.6 29.4

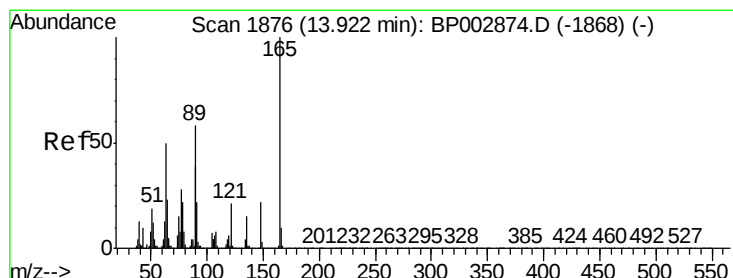
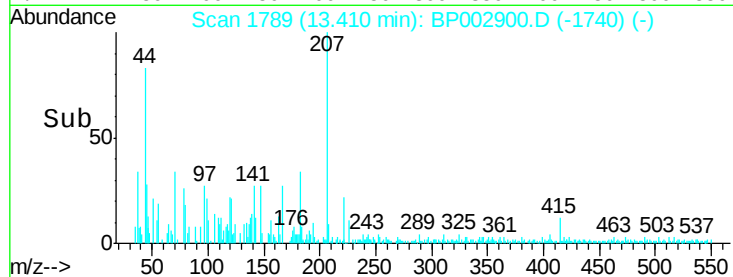
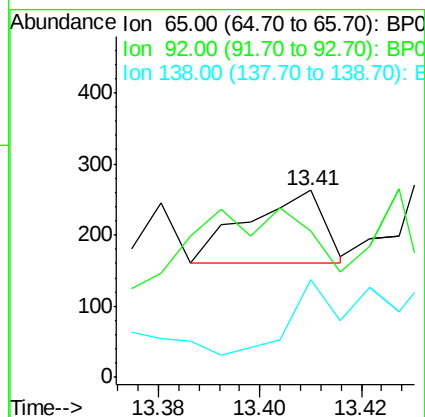
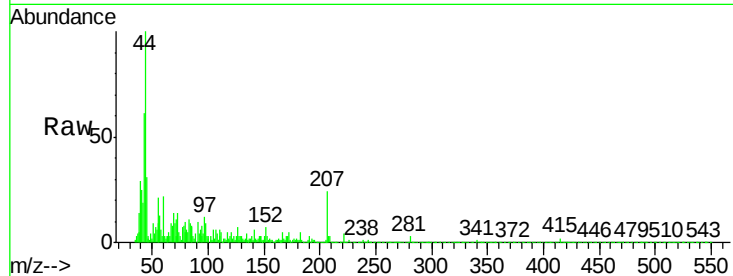




#48  
2-Nitroaniline  
Concen: 3.977 ng  
RT: 13.41 min Scan# 1789  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

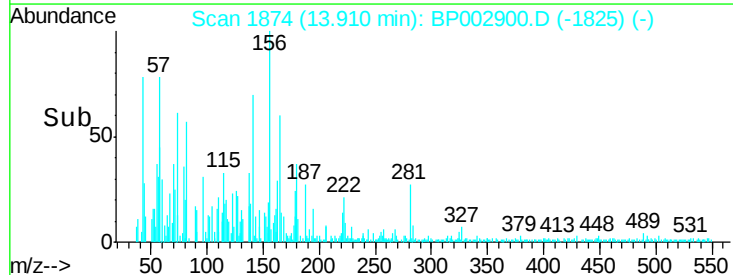
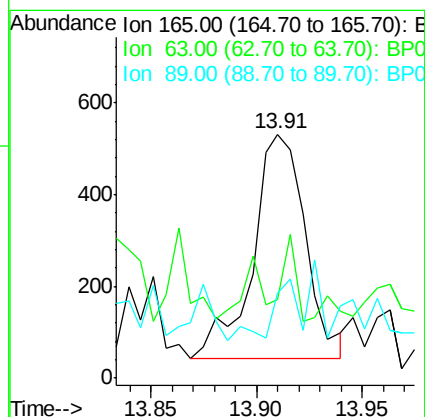
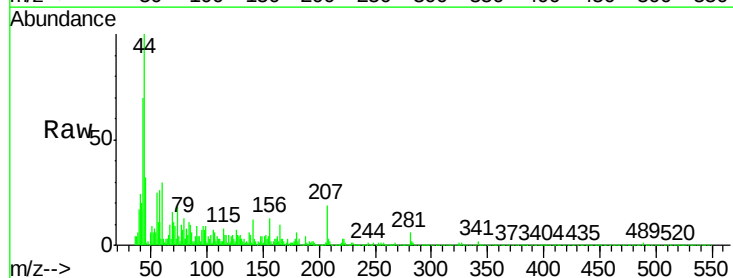
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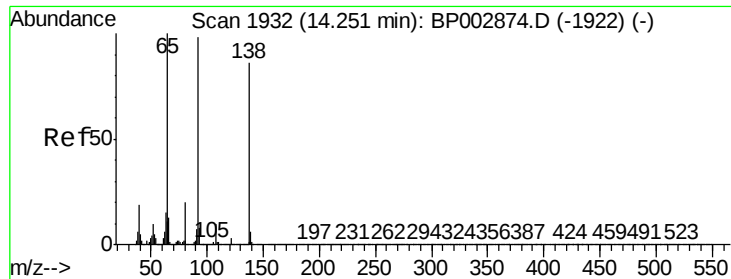
Tot Ion: 65 Resp: 107  
Ion Ratio Lower Upper  
65 100  
92 77.9 61.4 92.0  
138 52.5 94.2 141.4#



#51  
2,6-Dinitrotoluene  
Concen: 2.936 ng  
RT: 13.91 min Scan# 1874  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion: 165 Resp: 843  
Ion Ratio Lower Upper  
165 100  
63 32.4 40.3 60.5#  
89 35.0 46.5 69.7#

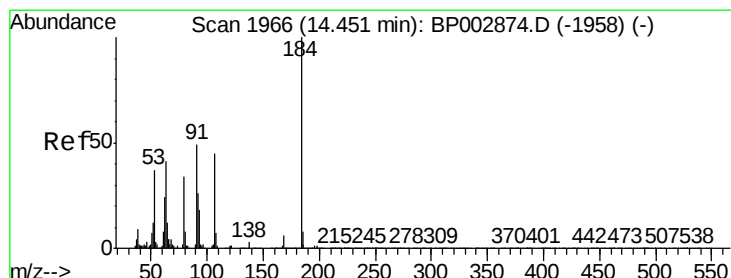
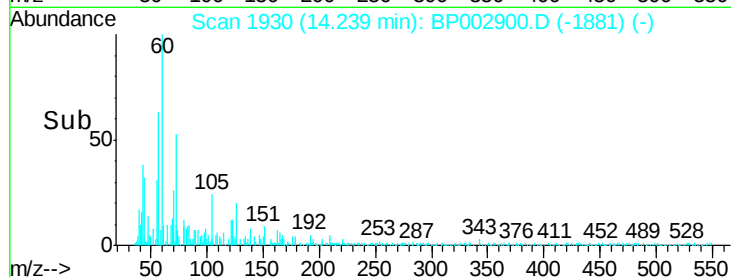
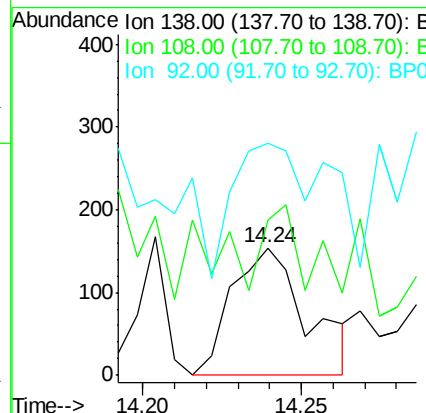
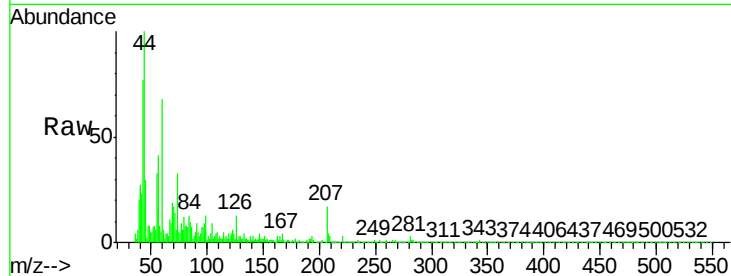




#53  
3-Nitroaniline  
Concen: 3.284 ng  
RT: 14.24 min Scan# 1930  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

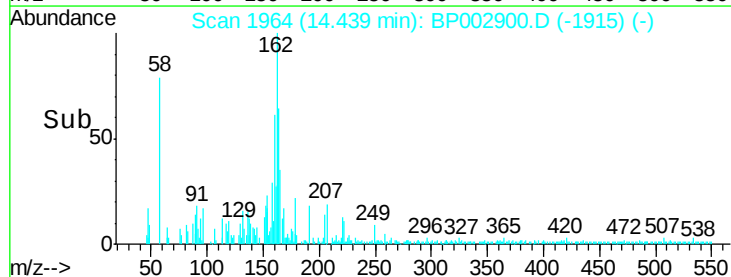
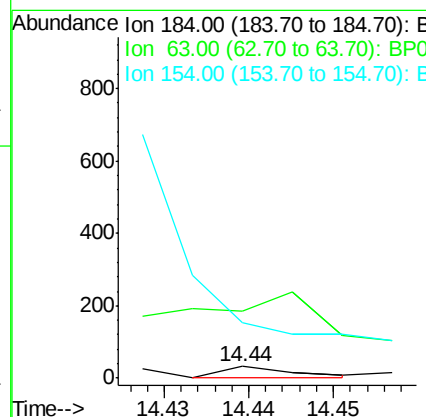
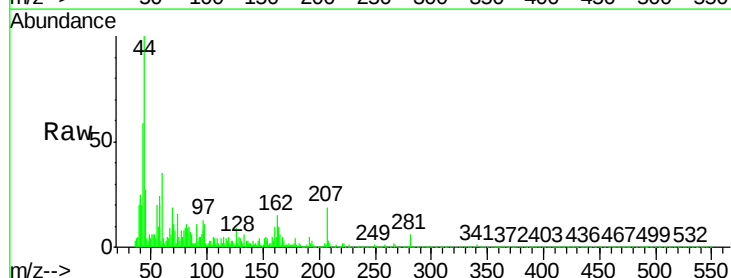
Instrument :  
BNA\_P  
ClientSampled :  
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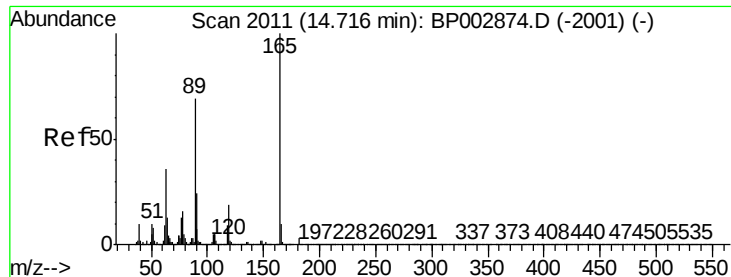
Tot Ion:138 Resp: 252  
Ion Ratio Lower Upper  
138 100  
108 122.1 9.4 14.0#  
92 182.5 91.0 136.6#



#54  
2,4-Dinitrophenol  
Concen: 8.059 ng  
RT: 14.44 min Scan# 1964  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:184 Resp: 17  
Ion Ratio Lower Upper  
184 100  
63 581.3 50.3 75.5#  
154 484.4 50.6 76.0#

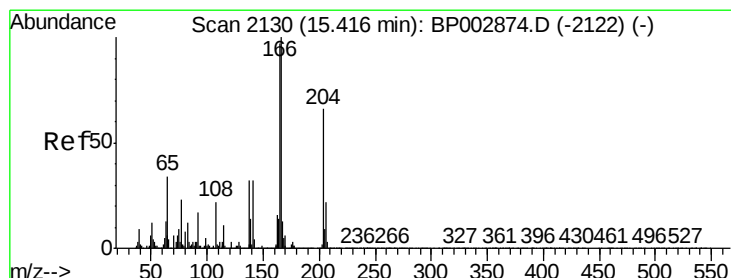
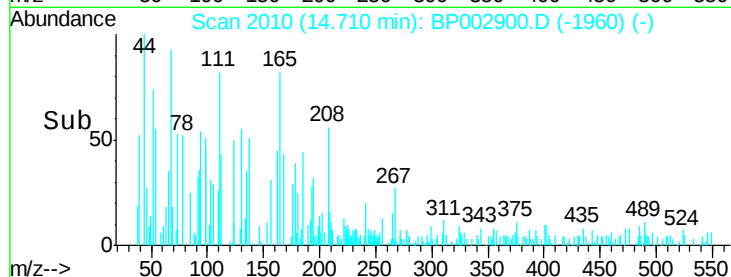
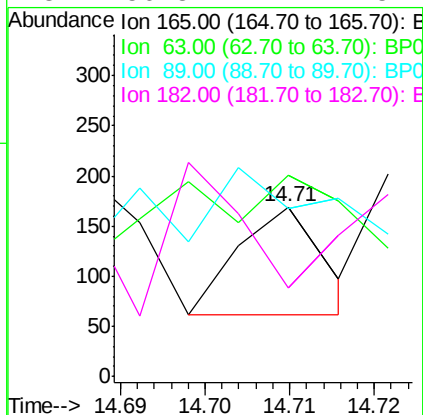
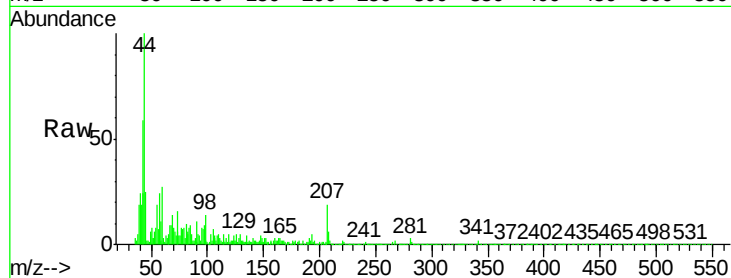




#57  
2,4-Dinitrotoluene  
Concen: 3.808 ng  
RT: 14.71 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

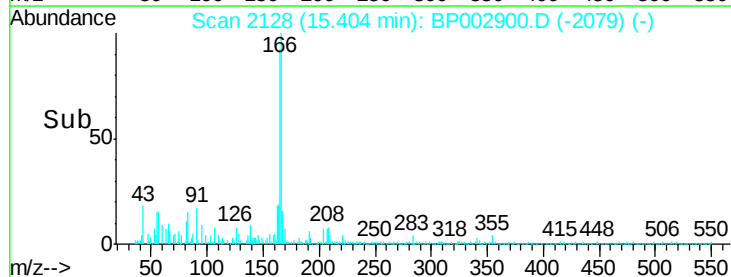
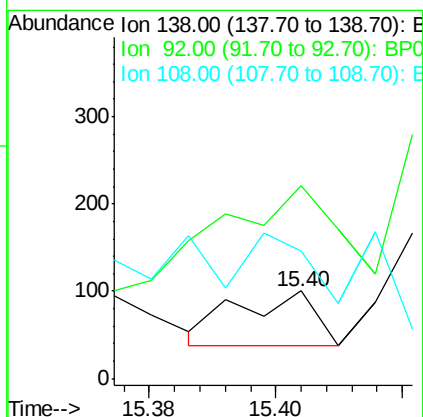
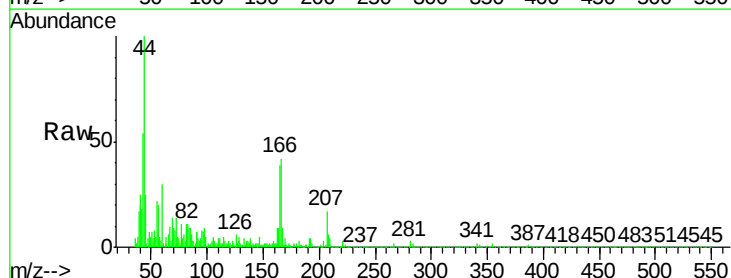
Instrument :  
BNA\_P  
ClientSampled :  
TP-10

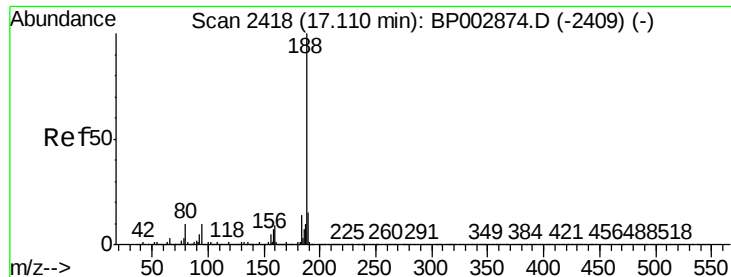
Tot Ion:165 Resp: 74  
Ion Ratio Lower Upper  
165 100  
63 118.9 29.0 43.4#  
89 99.4 55.5 83.3#  
182 56.8 2.2 3.4#



#62  
4-Nitroaniline  
Concen: 2.418 ng  
RT: 15.40 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:138 Resp: 53  
Ion Ratio Lower Upper  
138 100  
92 221.0 32.2 72.2#  
108 146.0 50.0 90.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BP002900.D

Acq: 31 Jul 2020 19:25

Instrument :

BNA\_P

ClientSampled :

TP-10

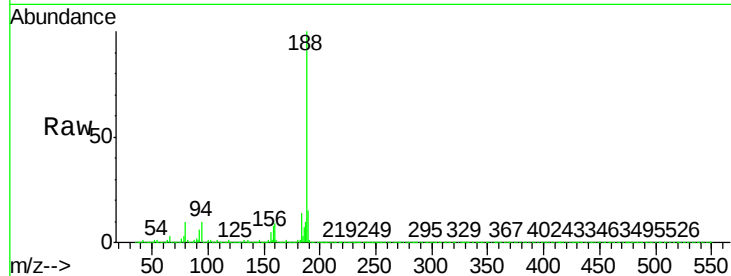
Tot Ion:188 Resp: 2507947

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

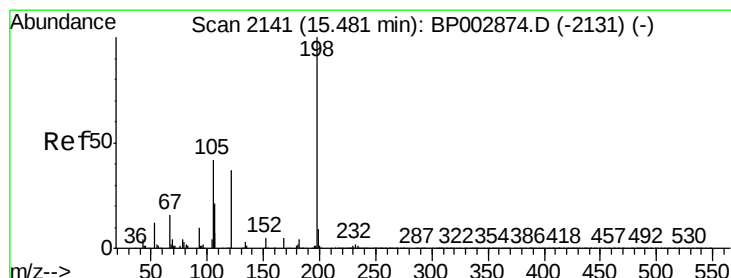
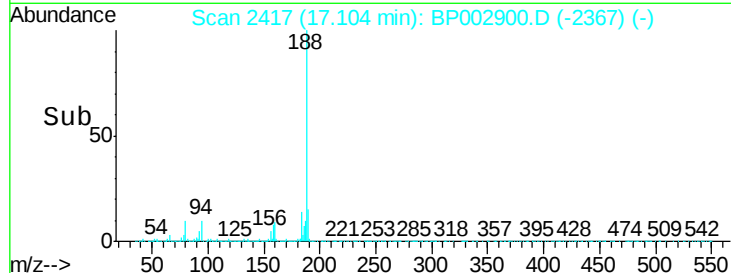
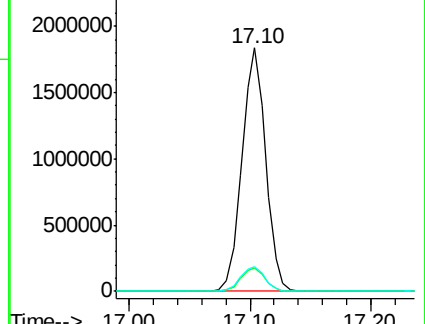
80 10.1 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.905 ng

RT: 15.47 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BP002900.D

Acq: 31 Jul 2020 19:25

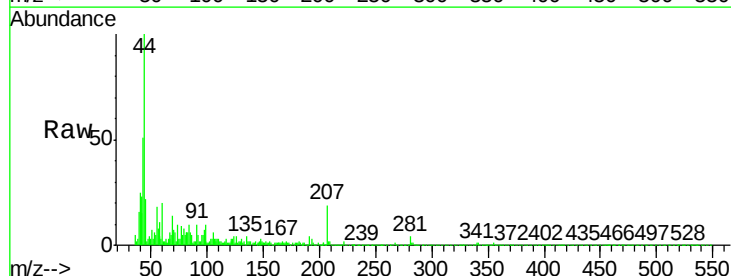
Tgt Ion:198 Resp: 76

Ion Ratio Lower Upper

198 100

51 816.7 11.6 51.6#

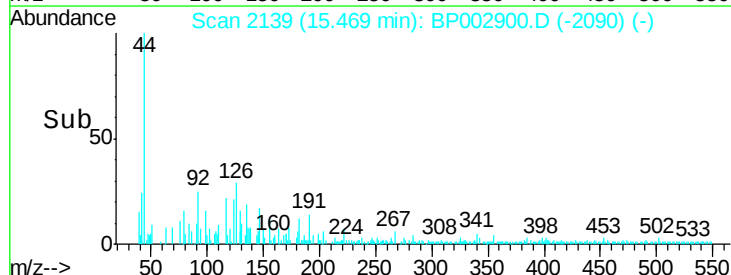
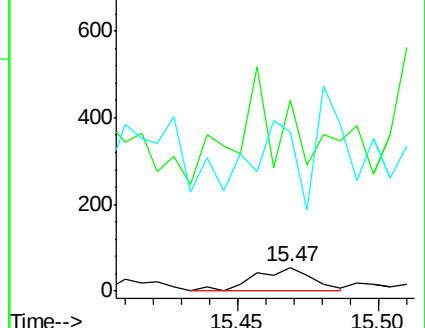
105 677.8 23.8 63.8#

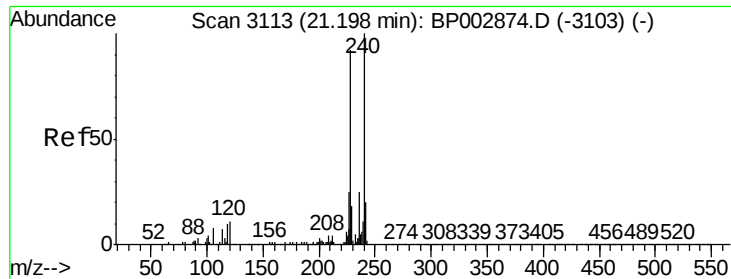


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

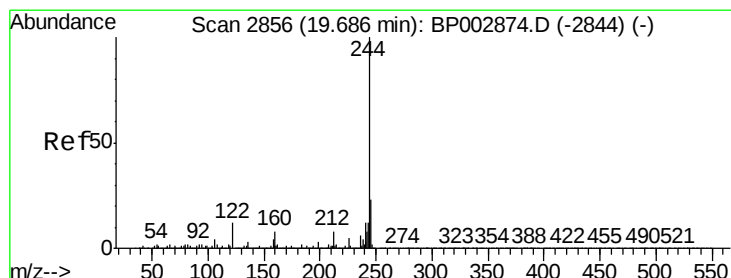
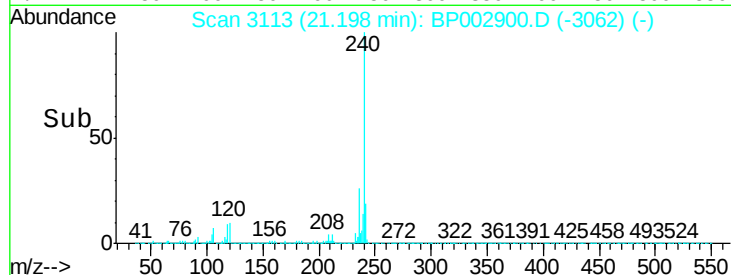
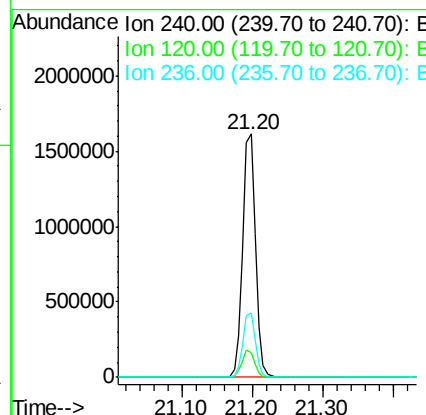
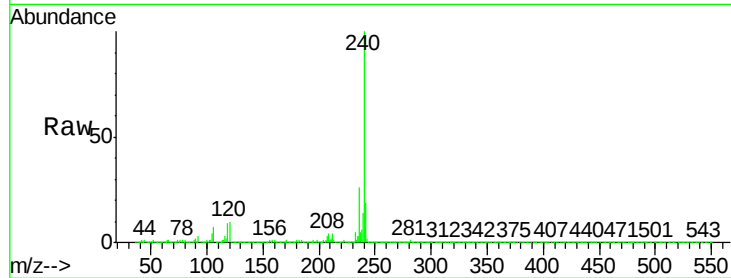




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.20 min Scan# 3113  
Delta R.T. -0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

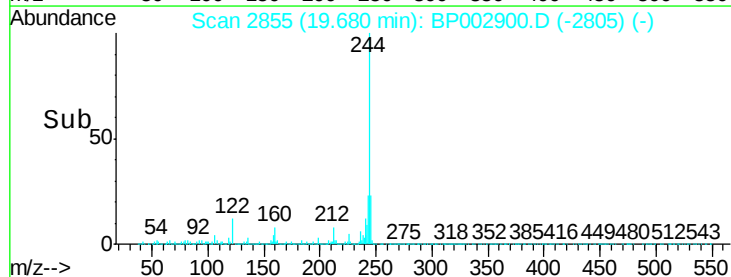
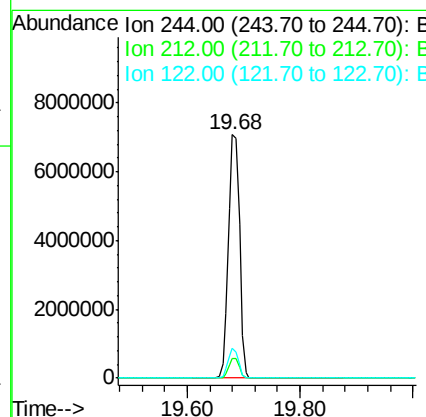
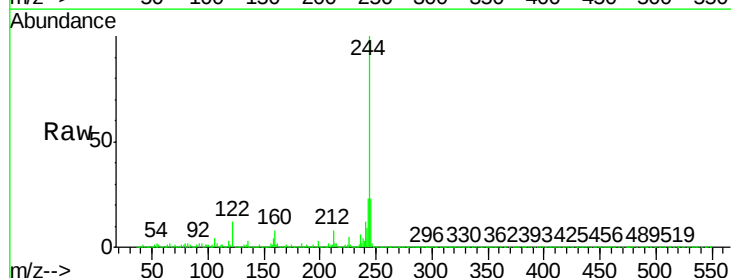
Instrument :  
BNA\_P  
ClientSampleId :  
TP-10

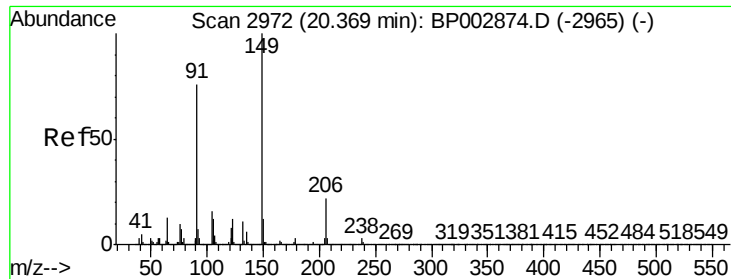
Tot Ion:240 Resp: 2027785  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.9 13.3  
236 26.4 20.3 30.5



#79  
Terphenyl-d14  
Concen: 95.232 ng  
RT: 19.68 min Scan# 2855  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:244 Resp: 9646077  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.4 9.6  
122 12.3 9.4 14.2

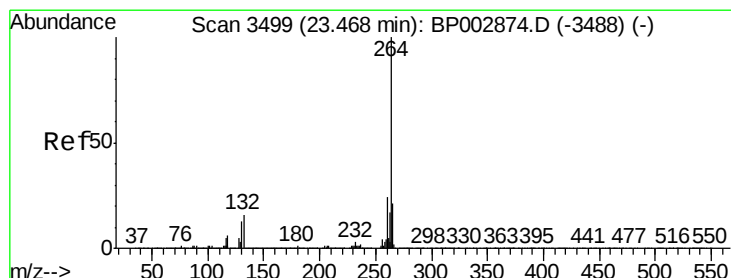
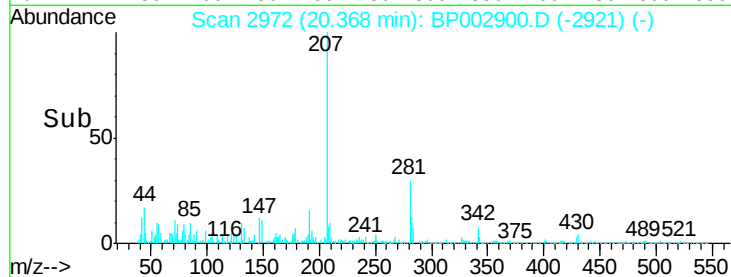
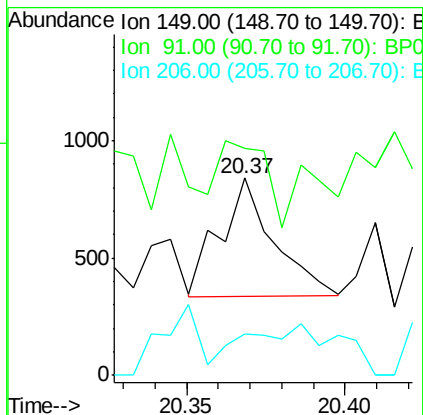
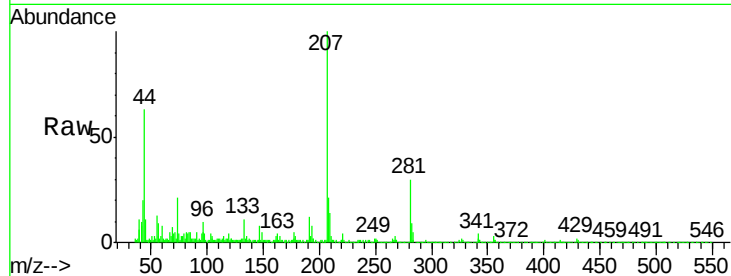




#80  
Butylbenzylphthalate  
Concen: 3.067 ng  
RT: 20.37 min Scan# 2972  
Delta R.T. 0.00 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Instrument :  
BNA\_P  
ClientSampleId :  
TP-10

Tot Ion:149 Resp: 589  
Ion Ratio Lower Upper  
149 100  
91 115.3 60.5 90.7#  
206 21.2 17.5 26.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.46 min Scan# 3498  
Delta R.T. -0.01 min  
Lab File: BP002900.D  
Acq: 31 Jul 2020 19:25

Tgt Ion:264 Resp: 1768837  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.6  
265 21.5 17.0 25.4

