

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP080620\  
 Data File : BP002924.D  
 Acq On : 06 Aug 2020 17:32  
 Operator : CG/JU  
 Sample : L3537-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JTY1-WC-S-0203

Quant Time: Aug 06 18:56:59 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 | 7.71  | 152  | 443657   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.49 | 136  | 1758912  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.35 | 164  | 1145094  | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.10 | 188  | 2585599  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.19 | 240  | 3081140  | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 23.45 | 264  | 2927959  | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 3270976  | 112.84 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 3881119  | 96.44  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 2467476  | 75.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 1952743  | 137.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.97 | 172  | 6283370  | 74.97  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.67 | 244  | 10038598 | 65.23  | ng    | -0.01    |

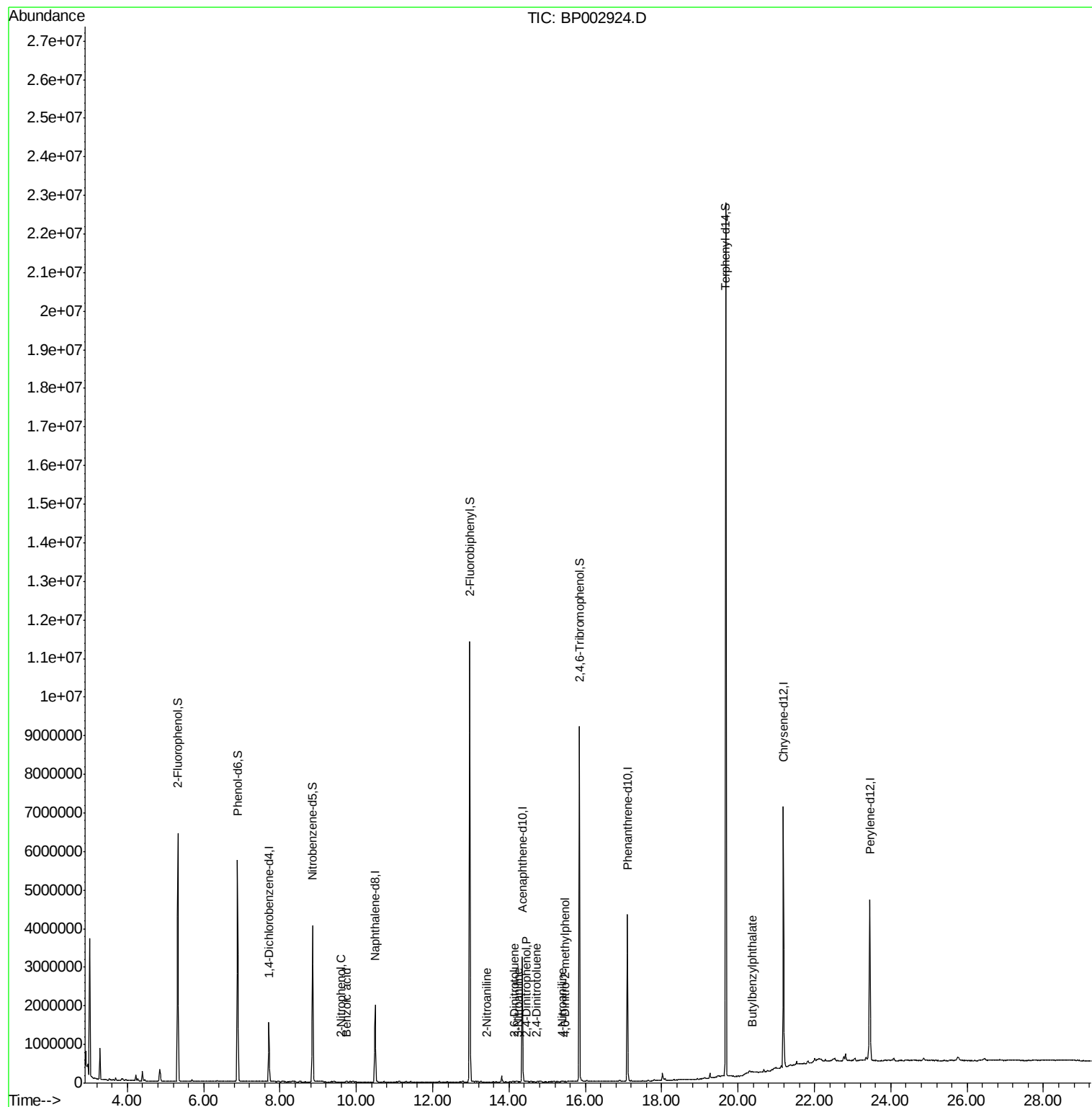
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 26) 2-Nitrophenol              | 9.60  | 139  | 183      | 4.532 | ng    | # 1    |
| 32) Benzoic acid               | 9.73  | 122  | 4515     | 7.918 | ng    | 90     |
| 48) 2-Nitroaniline             | 13.41 | 65   | 478      | 3.995 | ng    | # 57   |
| 51) 2,6-Dinitrotoluene         | 14.15 | 165  | 205      | 2.909 | ng    | 95     |
| 53) 3-Nitroaniline             | 14.23 | 138  | 80       | 3.277 | ng    | # 41   |
| 54) 2,4-Dinitrophenol          | 14.43 | 184  | 38       | 8.061 | ng    | # 1    |
| 57) 2,4-Dinitrotoluene         | 14.71 | 165  | 421      | 3.820 | ng    | # 96   |
| 62) 4-Nitroaniline             | 15.40 | 138  | 249      | 2.427 | ng    | # 15   |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 49       | 6.903 | ng    | # 1    |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 6592     | 3.128 | ng    | 88     |

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

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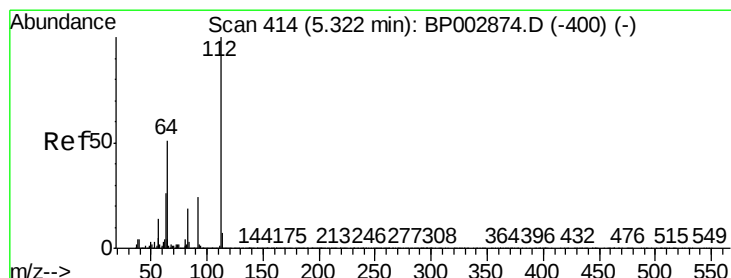
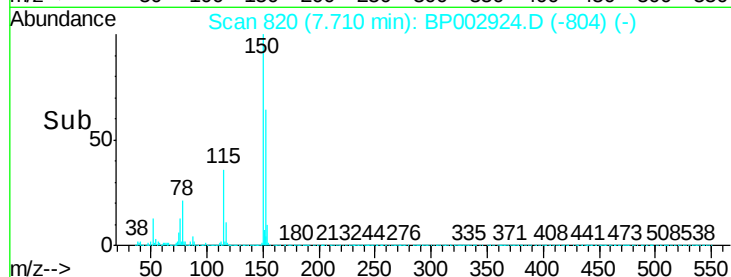
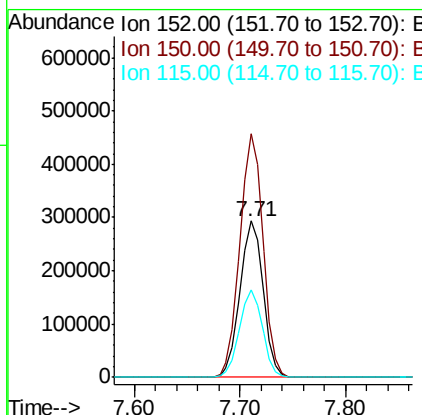
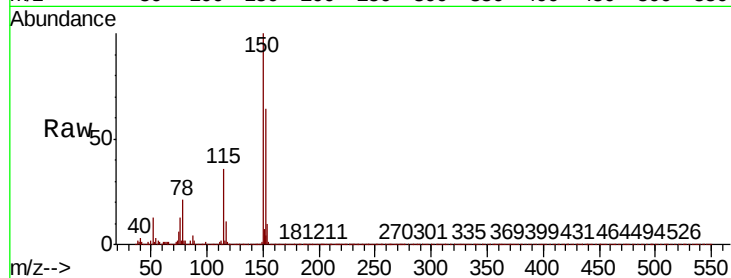


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.71 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

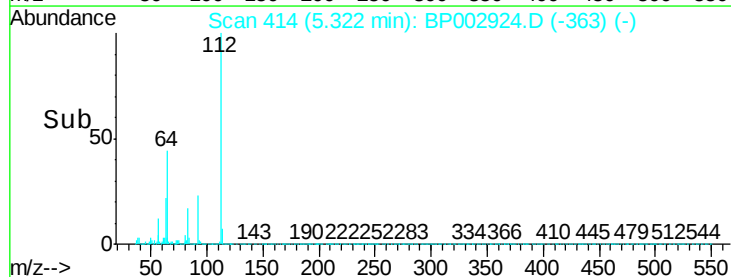
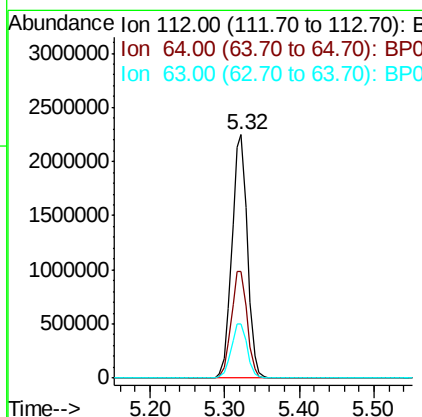
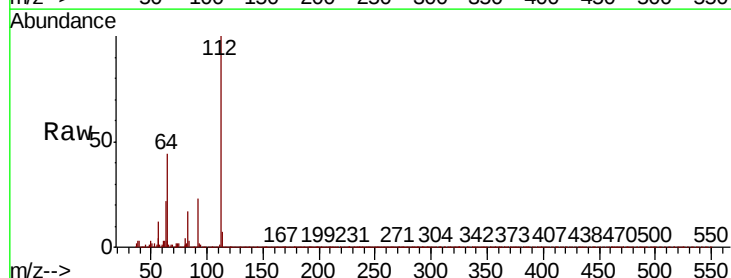
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 124.8 | 187.2 |
| 115     | 55.7  | 47.4  | 71.2  |



#5

2-Fluorophenol  
Concen: 112.840 ng  
RT: 5.32 min Scan# 414  
Delta R.T. 0.00 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 44.0  | 41.0  | 61.6  |
| 63      | 22.3  | 20.7  | 31.1  |





#7

Phenol-d6

Concen: 96.435 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

Instrument :

BNA\_P

ClientSampleId :

JTY1-WC-S-0203

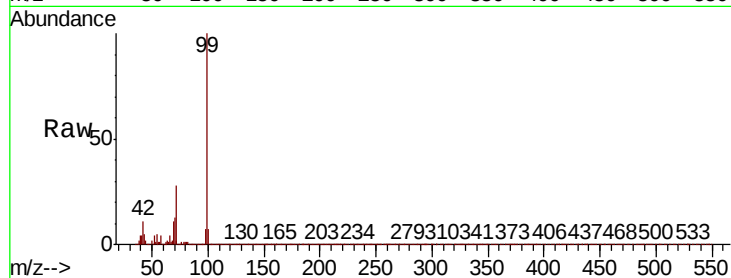
Tot Ion: 99 Resp: 3881119

Ion Ratio Lower Upper

99 100

42 10.5 9.3 13.9

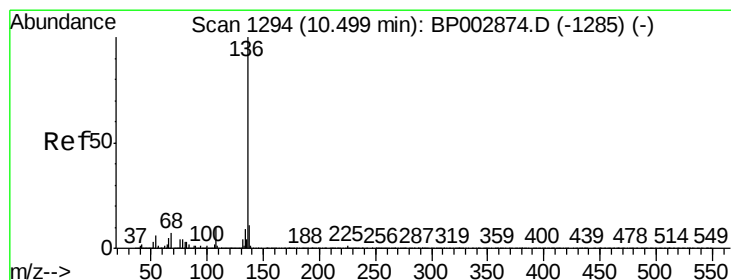
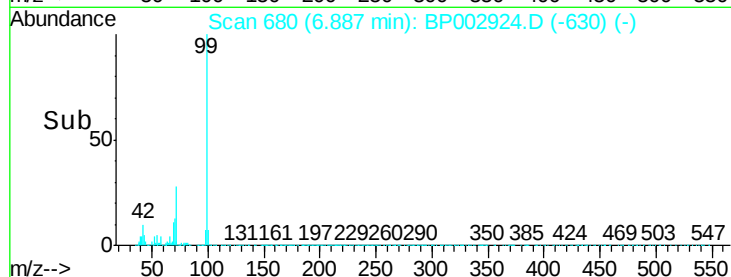
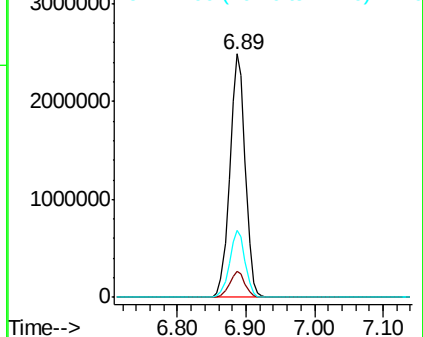
71 27.6 23.5 35.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

Tgt Ion: 136 Resp: 1758912

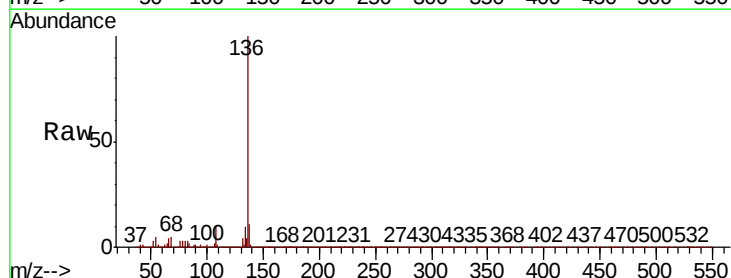
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.4 5.1 7.7

68 5.4 5.3 7.9

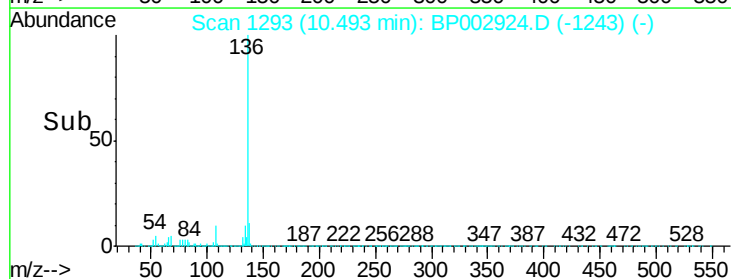
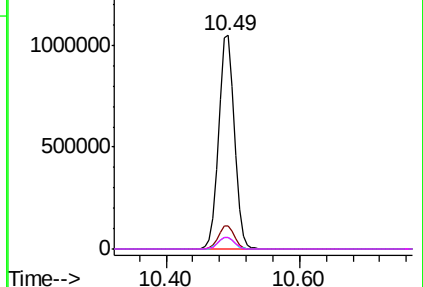


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

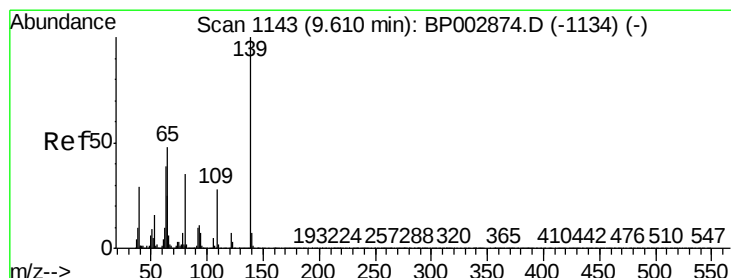
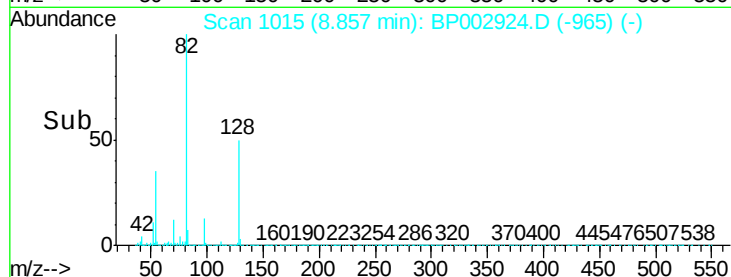
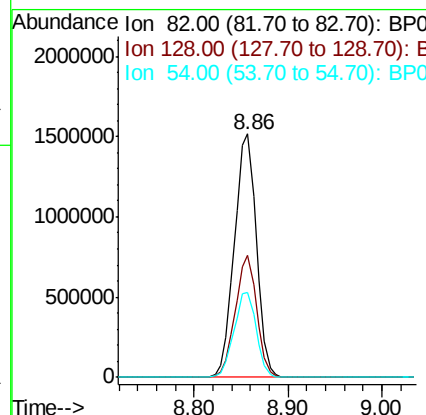
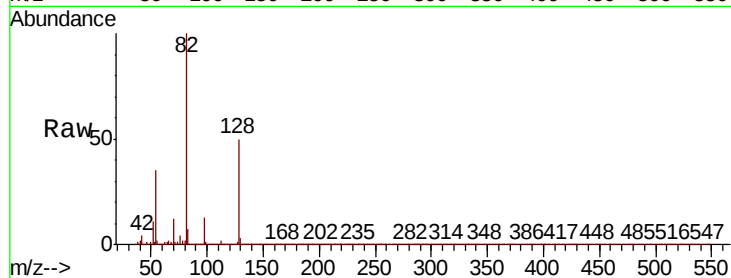




#23  
Nitrobenzene-d5  
Concen: 75.981 ng  
RT: 8.86 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

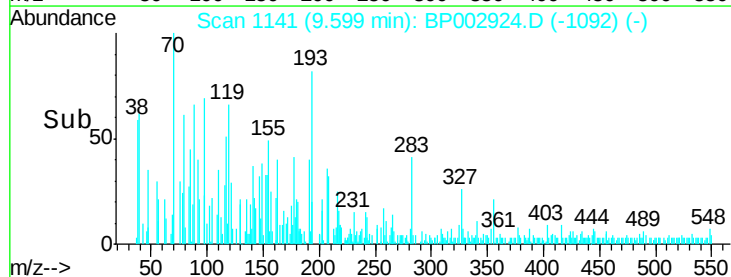
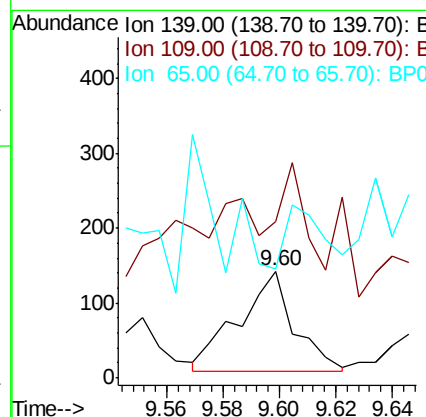
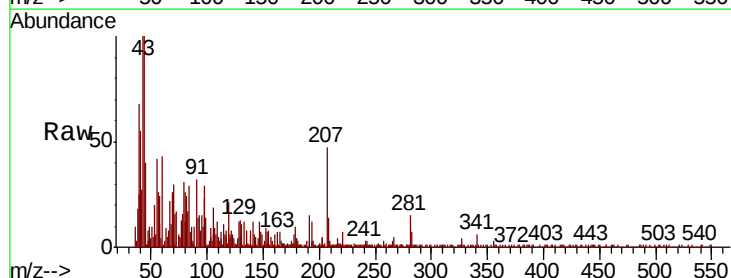
Instrument :  
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JTY1-WC-S-0203

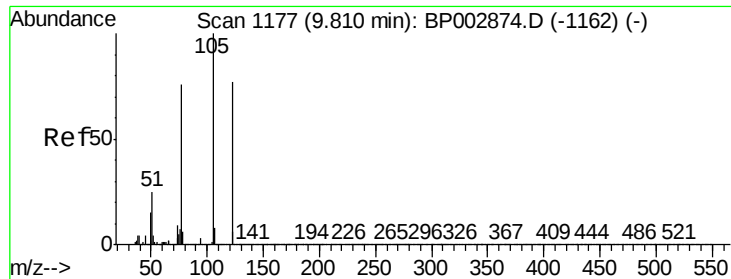
Tot Ion: 82 Resp: 2467476  
Ion Ratio Lower Upper  
82 100  
128 49.9 34.6 52.0  
54 34.8 29.5 44.3



#26  
2-Nitrophenol  
Concen: 4.532 ng  
RT: 9.60 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Tgt Ion: 139 Resp: 183  
Ion Ratio Lower Upper  
139 100  
109 146.2 22.2 33.2#  
65 101.4 38.9 58.3#

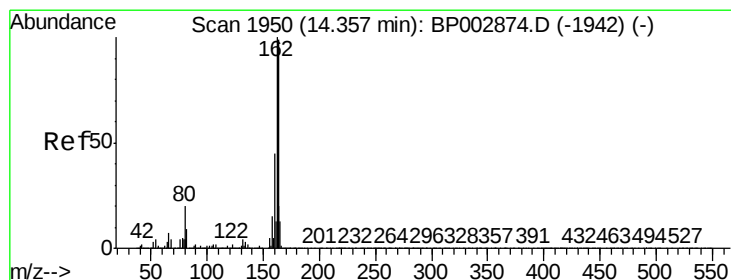
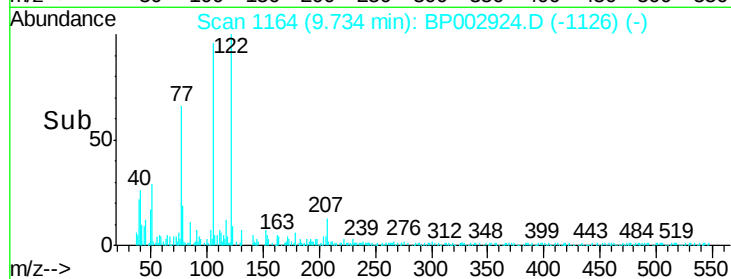
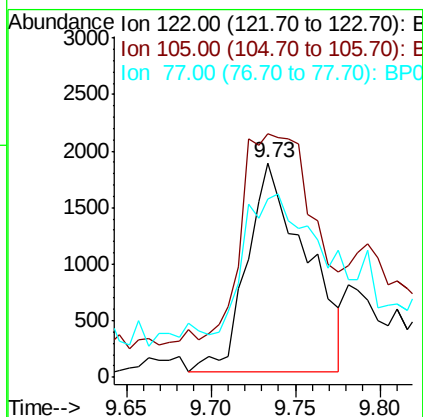
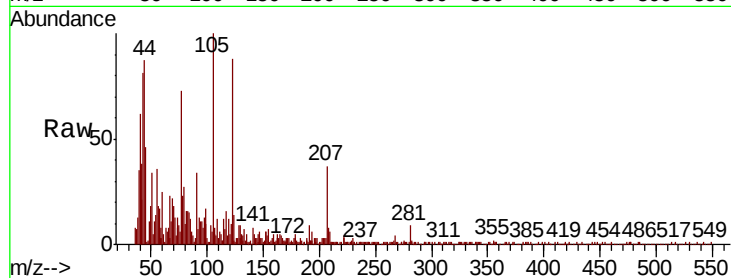




#32  
Benzoic acid  
Concen: 7.918 ng  
RT: 9.73 min Scan# 1164  
Delta R.T. -0.08 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

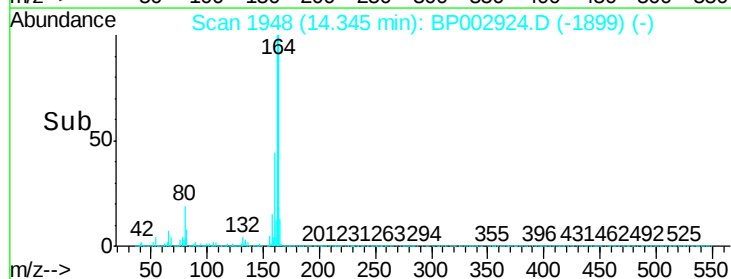
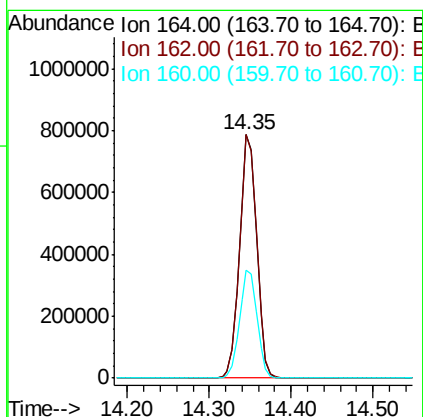
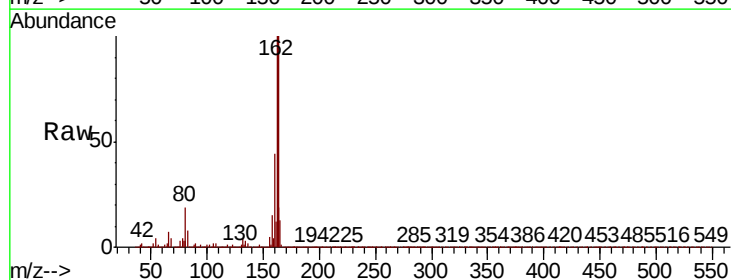
Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

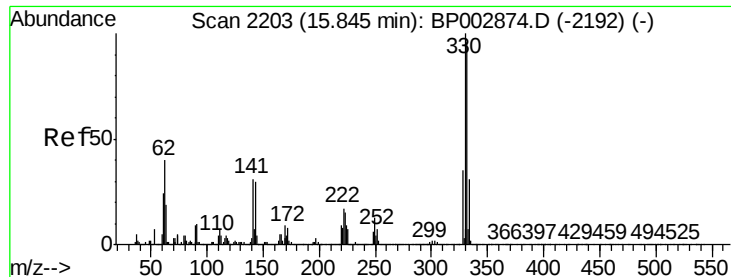
Tot Ion:122 Resp: 4515  
Ion Ratio Lower Upper  
122 100  
105 113.4 103.4 143.4  
77 83.1 74.6 114.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.35 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Tgt Ion:164 Resp: 1145094  
Ion Ratio Lower Upper  
164 100  
162 99.9 81.0 121.6  
160 44.2 36.2 54.4

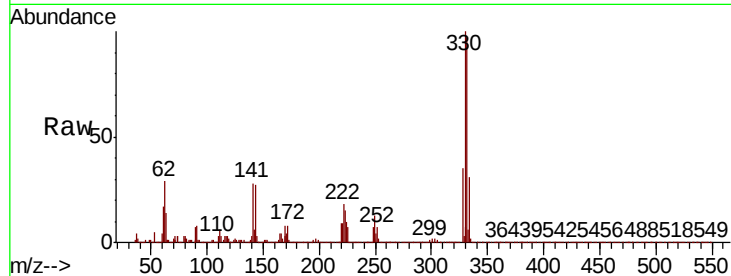




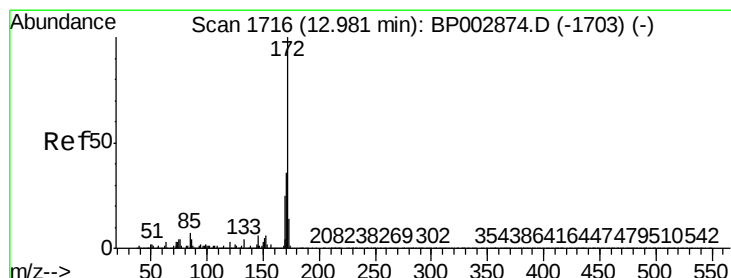
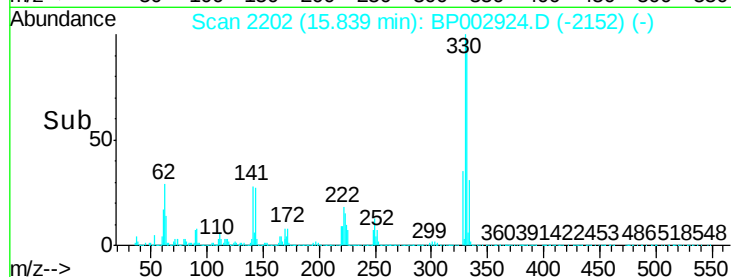
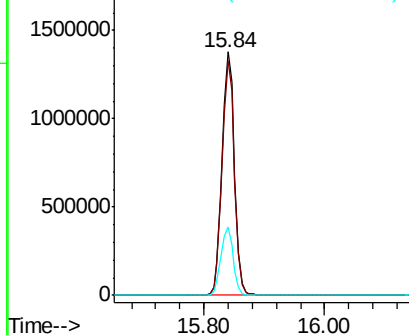
#42  
2,4,6-Tribromophenol  
Concen: 137.206 ng  
RT: 15.84 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

Tot Ion:330 Resp: 1952743  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.1 115.7  
141 27.9 24.6 37.0

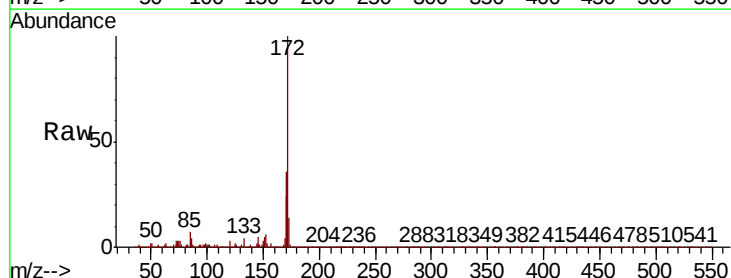


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

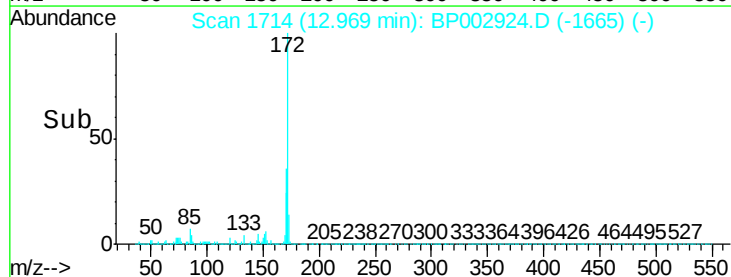
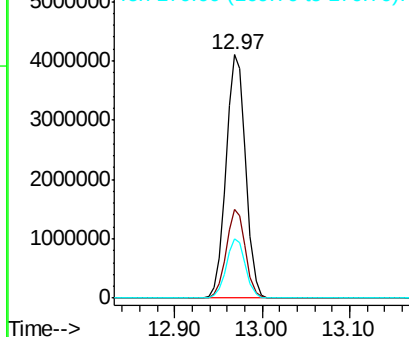


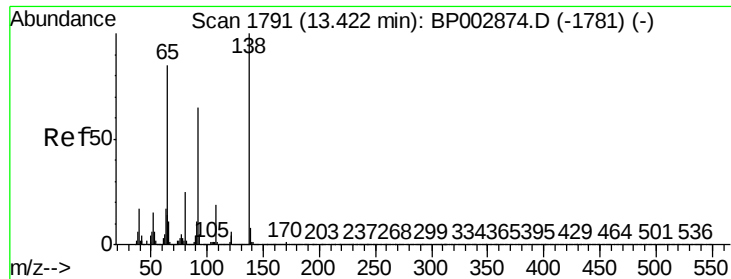
#45  
2-Fluorobiphenyl  
Concen: 74.972 ng  
RT: 12.97 min Scan# 1714  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Tgt Ion:172 Resp: 6283370  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.1 43.7  
170 24.3 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





#48

2-Nitroaniline

Concen: 3.995 ng

RT: 13.41 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

Instrument :

BNA\_P

ClientSampleId :

JTY1-WC-S-0203

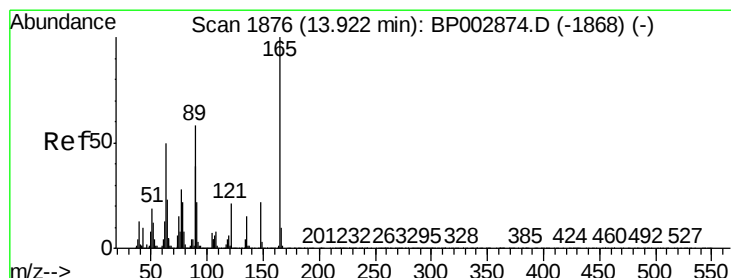
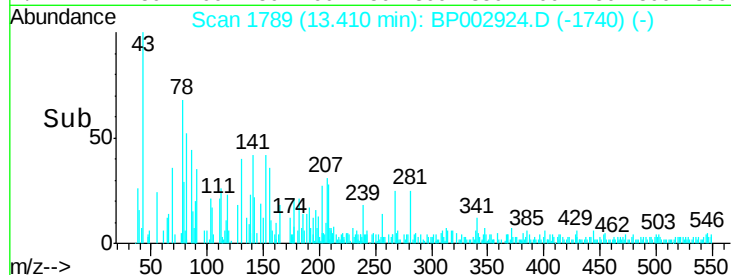
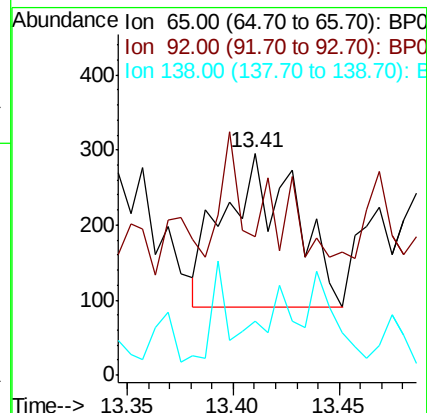
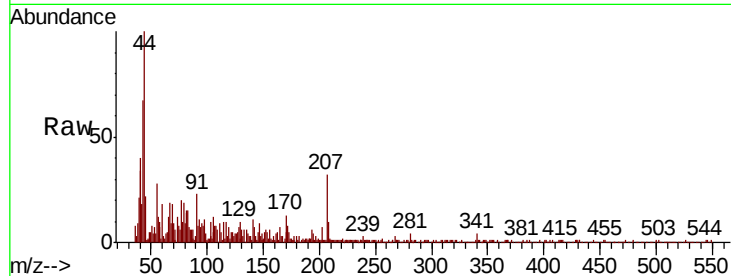
Tot Ion: 65 Resp: 478

Ion Ratio Lower Upper

65 100

92 62.2 61.4 92.0

138 51.0 94.2 141.4#



#51

2,6-Dinitrotoluene

Concen: 2.909 ng

RT: 14.15 min Scan# 1914

Delta R.T. 0.22 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

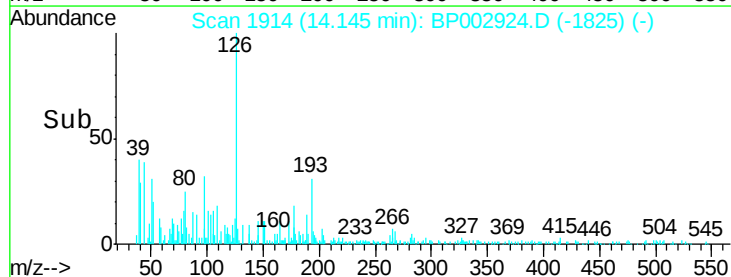
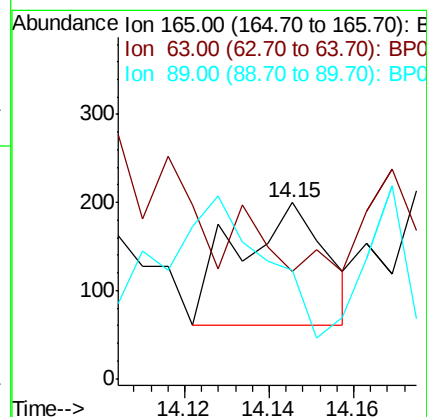
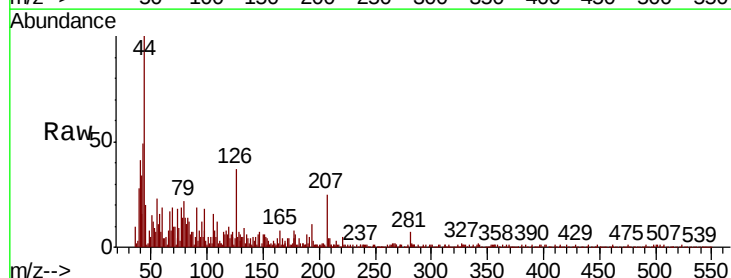
Tgt Ion: 165 Resp: 205

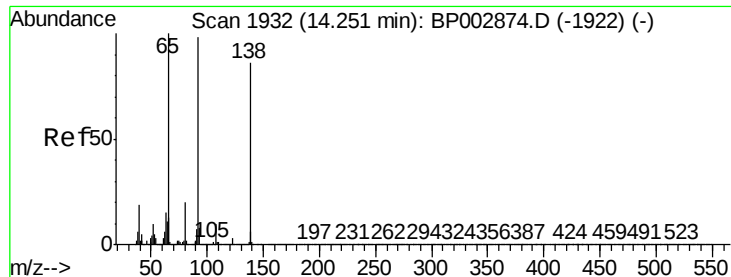
Ion Ratio Lower Upper

165 100

63 56.0 40.3 60.5

89 56.9 46.5 69.7





#53

3-Nitroaniline

Concen: 3.277 ng

RT: 14.23 min Scan# 1928

Delta R.T. -0.02 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

Instrument :

BNA\_P

ClientSampleId :

JTY1-WC-S-0203

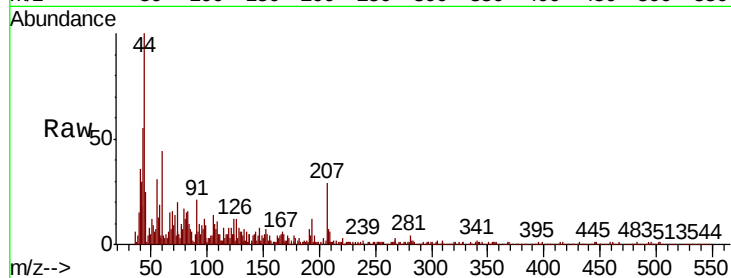
Tot Ion:138 Resp: 80

Ion Ratio Lower Upper

138 100

108 148.4 9.4 14.0#

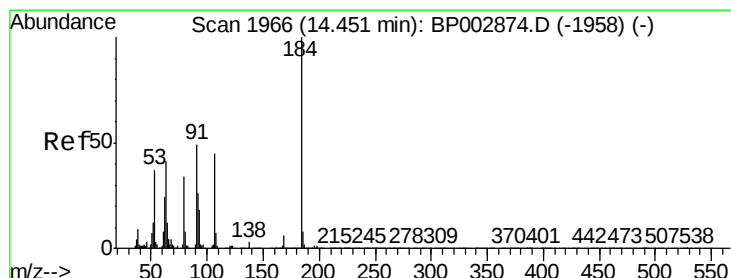
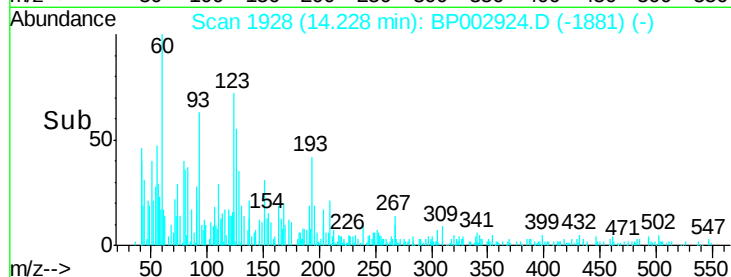
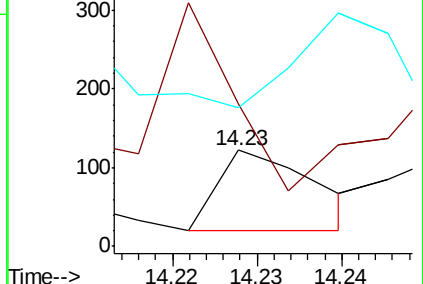
92 144.3 91.0 136.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0



#54

2,4-Dinitrophenol

Concen: 8.061 ng

RT: 14.43 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

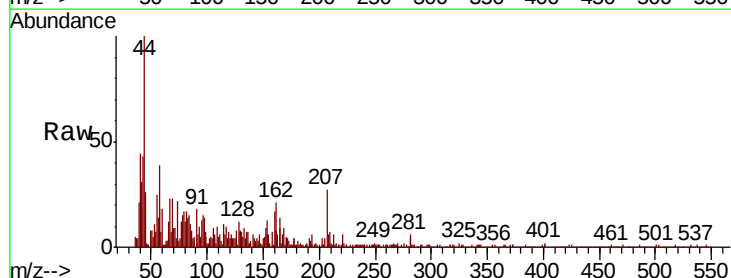
Tgt Ion:184 Resp: 38

Ion Ratio Lower Upper

184 100

63 285.7 50.3 75.5#

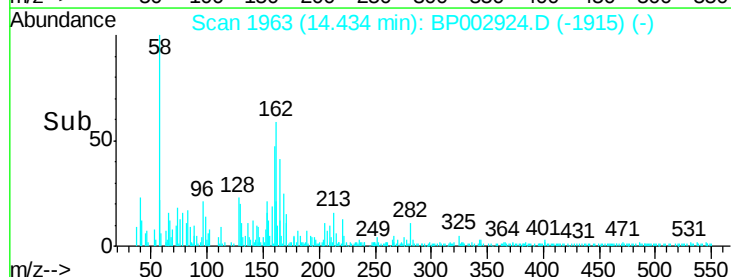
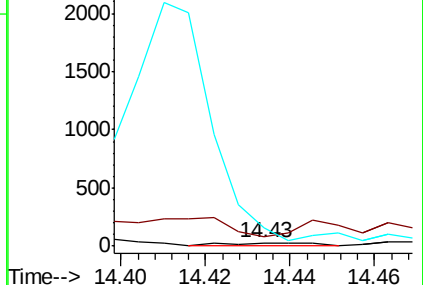
154 553.6 50.6 76.0#

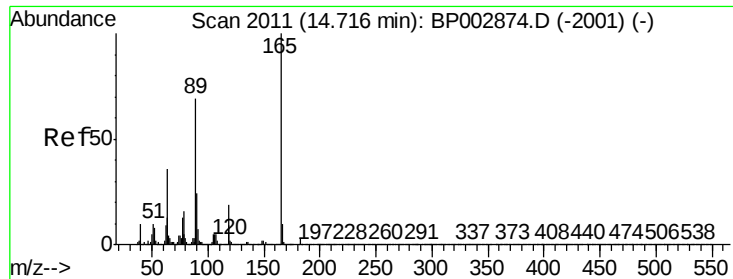


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

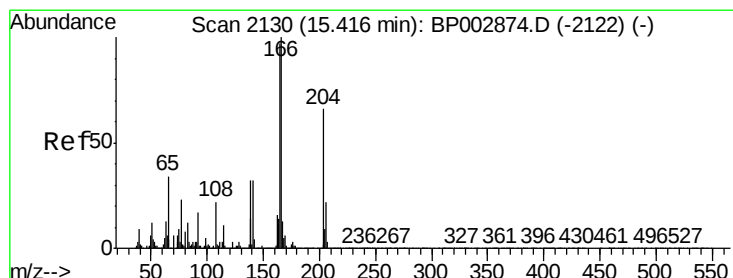
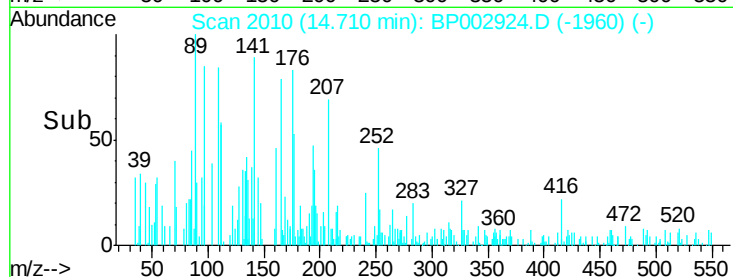
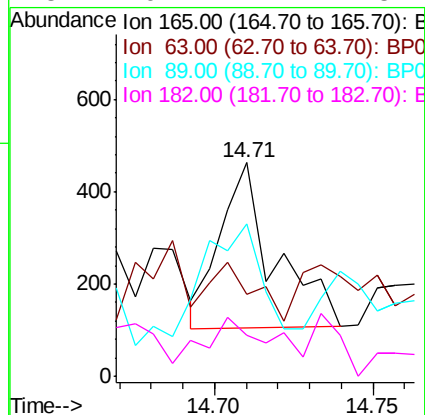
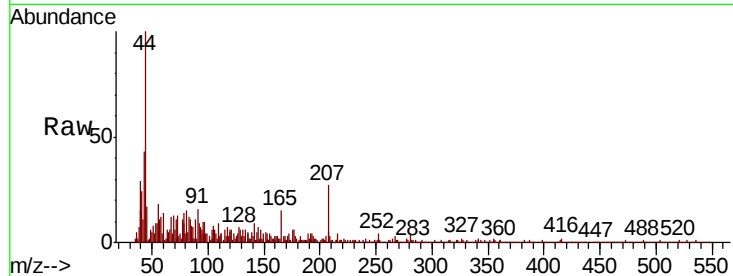




#57  
2,4-Dinitrotoluene  
Concen: 3.820 ng  
RT: 14.71 min Scan# 2010  
Delta R.T. -0.00 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

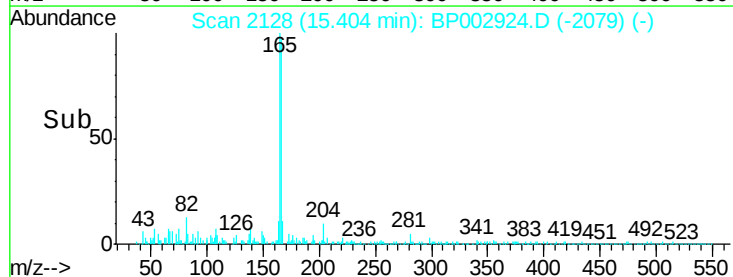
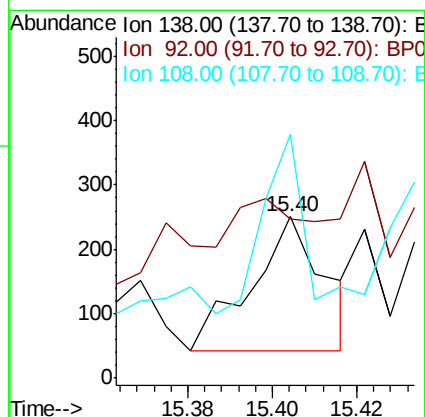
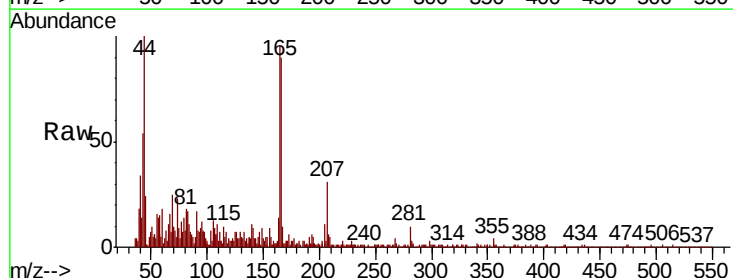
Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

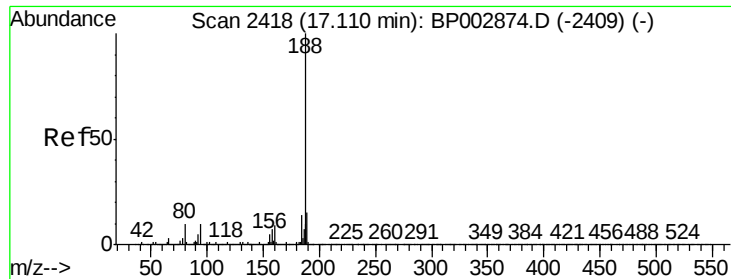
| Tot Ion:165 | Resp: | 421         |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 38.7  | 29.0 43.4   |
| 89          | 71.3  | 55.5 83.3   |
| 182         | 19.4  | 2.2 3.4#    |



#62  
4-Nitroaniline  
Concen: 2.427 ng  
RT: 15.40 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

| Tgt Ion:138 | Resp: | 249         |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 138         | 100   |             |
| 92          | 98.8  | 32.2 72.2#  |
| 108         | 150.6 | 50.0 90.0#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

Instrument :

BNA\_P

ClientSampleId :

JTY1-WC-S-0203

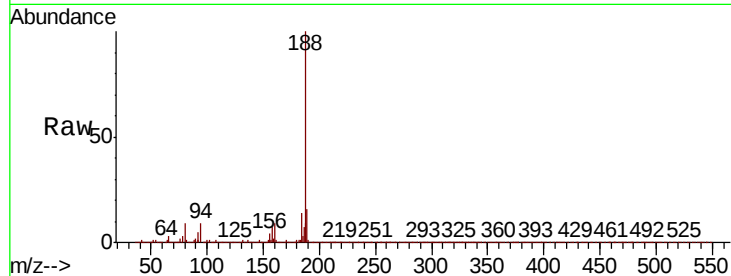
Tot Ion:188 Resp: 2585599

Ion Ratio Lower Upper

188 100

94 9.1 7.8 11.6

80 9.0 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

2500000

2000000

1500000

1000000

500000

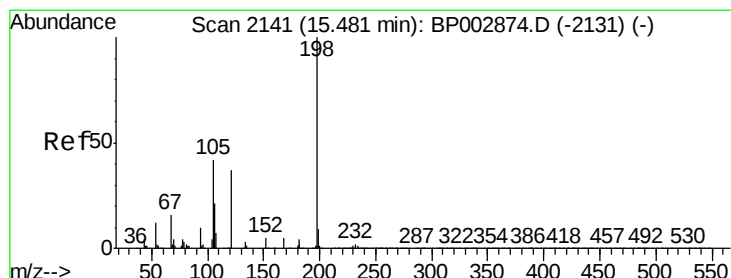
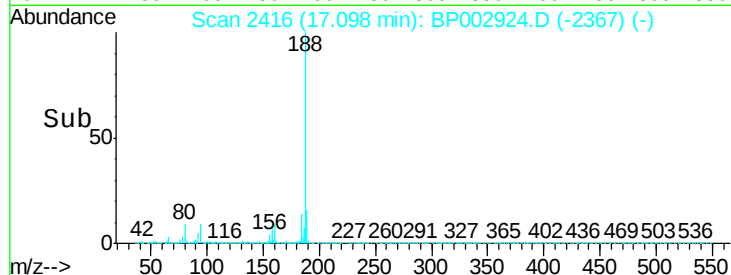
0

17.10

17.00

17.20

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.903 ng

RT: 15.46 min Scan# 2138

Delta R.T. -0.02 min

Lab File: BP002924.D

Acq: 06 Aug 2020 17:32

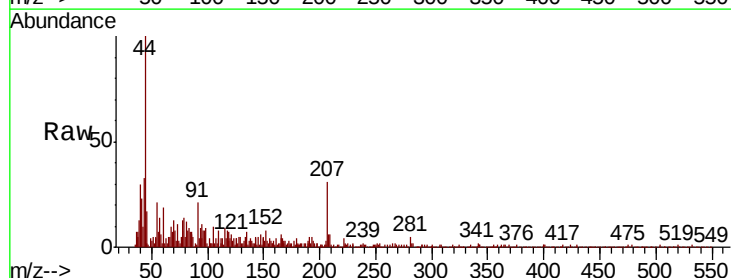
Tgt Ion:198 Resp: 49

Ion Ratio Lower Upper

198 100

51 238.9 11.6 51.6#

105 491.7 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

600

500

400

300

200

100

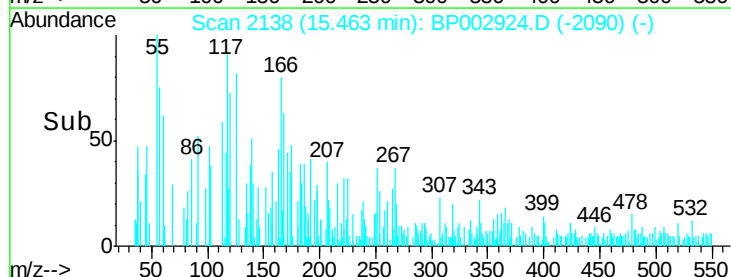
0

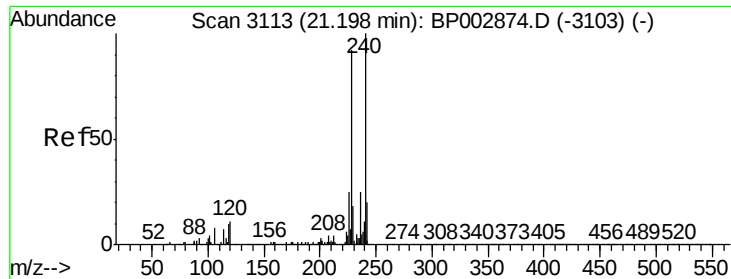
15.46

15.44

15.48

Time-->

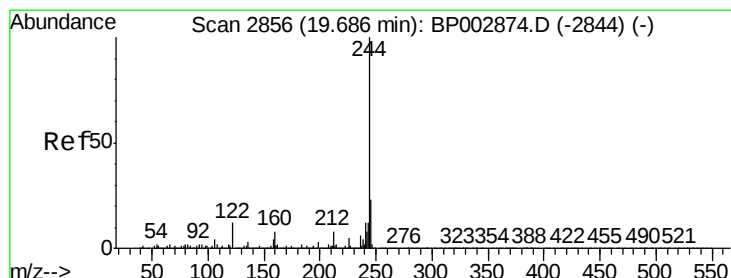
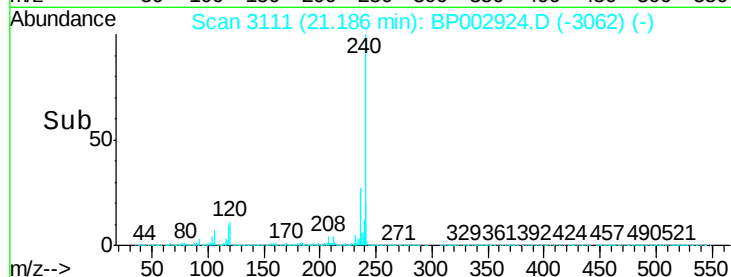
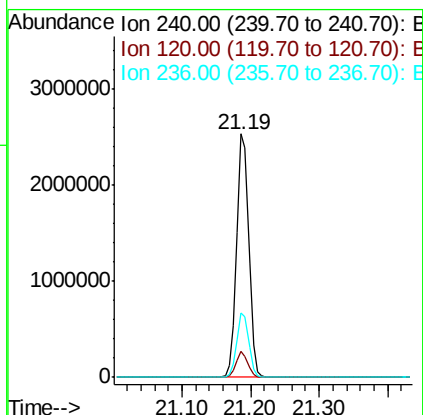
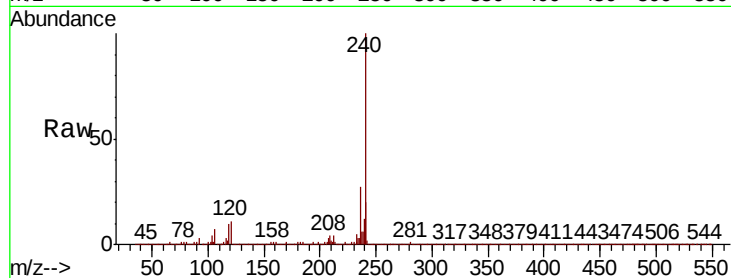




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3111  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

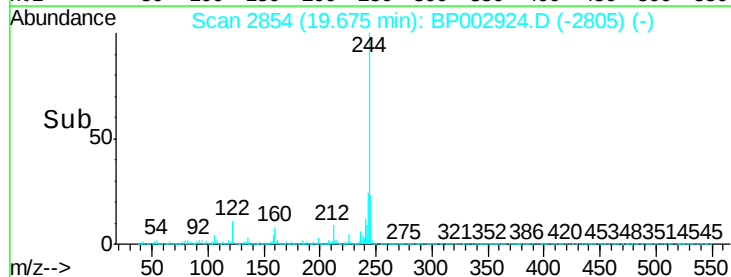
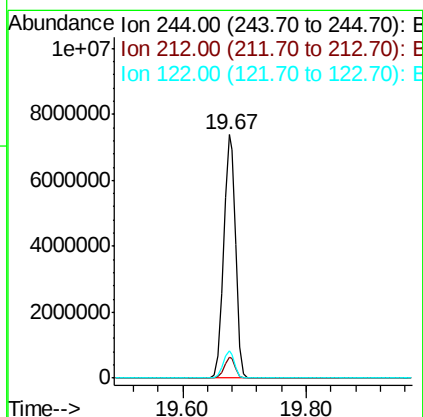
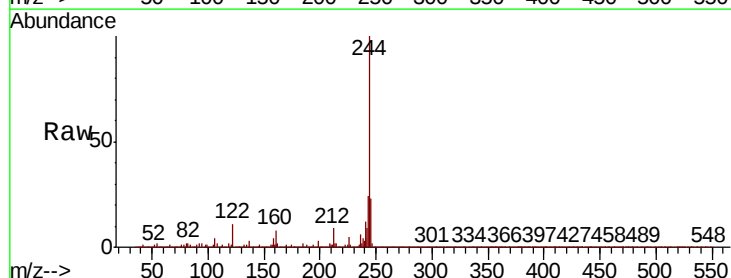
Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

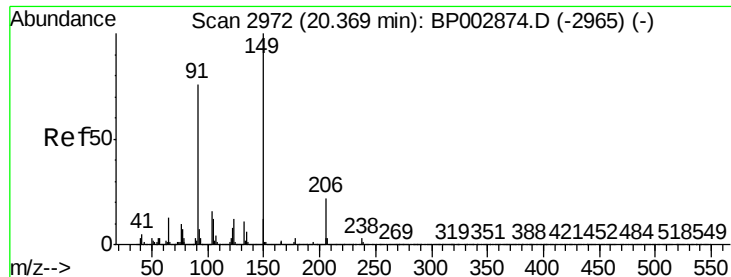
Tot Ion:240 Resp: 3081140  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.9 13.3  
236 26.7 20.3 30.5



#79  
Terphenyl-d14  
Concen: 65.225 ng  
RT: 19.67 min Scan# 2854  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Tgt Ion:244 Resp:10038598  
Ion Ratio Lower Upper  
244 100  
212 8.7 6.4 9.6  
122 11.2 9.4 14.2

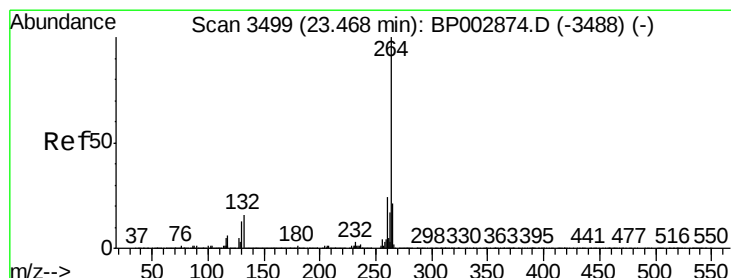
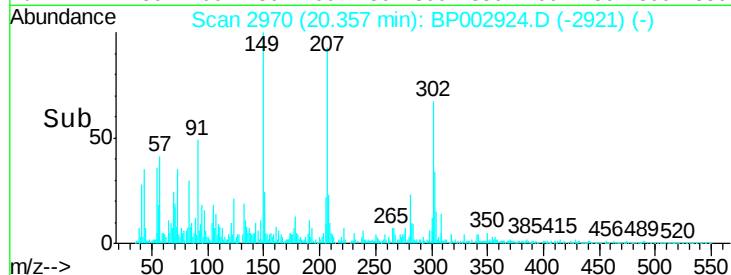
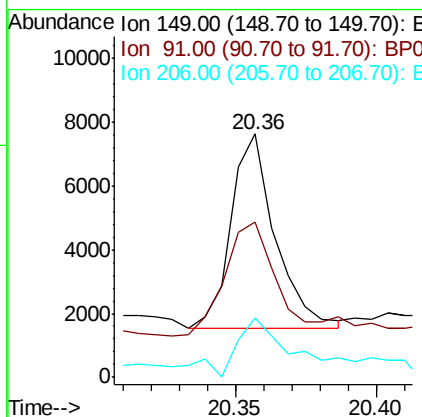
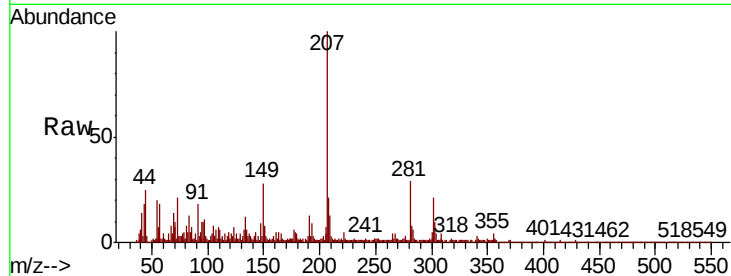




#80  
Butylbenzylphthalate  
Concen: 3.128 ng  
RT: 20.36 min Scan# 2970  
Delta R.T. -0.01 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Instrument :  
BNA\_P  
ClientSampleId :  
JTY1-WC-S-0203

Tot Ion:149 Resp: 6592  
Ion Ratio Lower Upper  
149 100  
91 63.5 60.5 90.7  
206 24.2 17.5 26.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.45 min Scan# 3496  
Delta R.T. -0.02 min  
Lab File: BP002924.D  
Acq: 06 Aug 2020 17:32

Tgt Ion:264 Resp: 2927959  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.0 28.6  
265 22.1 17.0 25.4

