

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070720\  
 Data File : BP002655.D  
 Acq On : 07 Jul 2020 13:33  
 Operator : CG/JU  
 Sample : L3217-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 E3-41-NHS

Quant Time: Jul 07 14:39:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 29 16:51:57 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 162732   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.34 | 136  | 680138   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.22 | 164  | 408050   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.97 | 188  | 873263   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.09 | 240  | 877169   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.28 | 264  | 930741   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.20  | 112 | 265040  | 27.58 | ng | 0.00  |
| 7) Phenol-d6             | 6.83  | 99  | 467342  | 34.84 | ng | 0.06  |
| 23) Nitrobenzene-d5      | 8.71  | 82  | 605978  | 45.91 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.72 | 330 | 207963  | 41.90 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 12.83 | 172 | 1338238 | 48.27 | ng | 0.00  |
| 79) Terphenyl-d14        | 19.56 | 244 | 2019168 | 49.69 | ng | -0.01 |

## Target Compounds

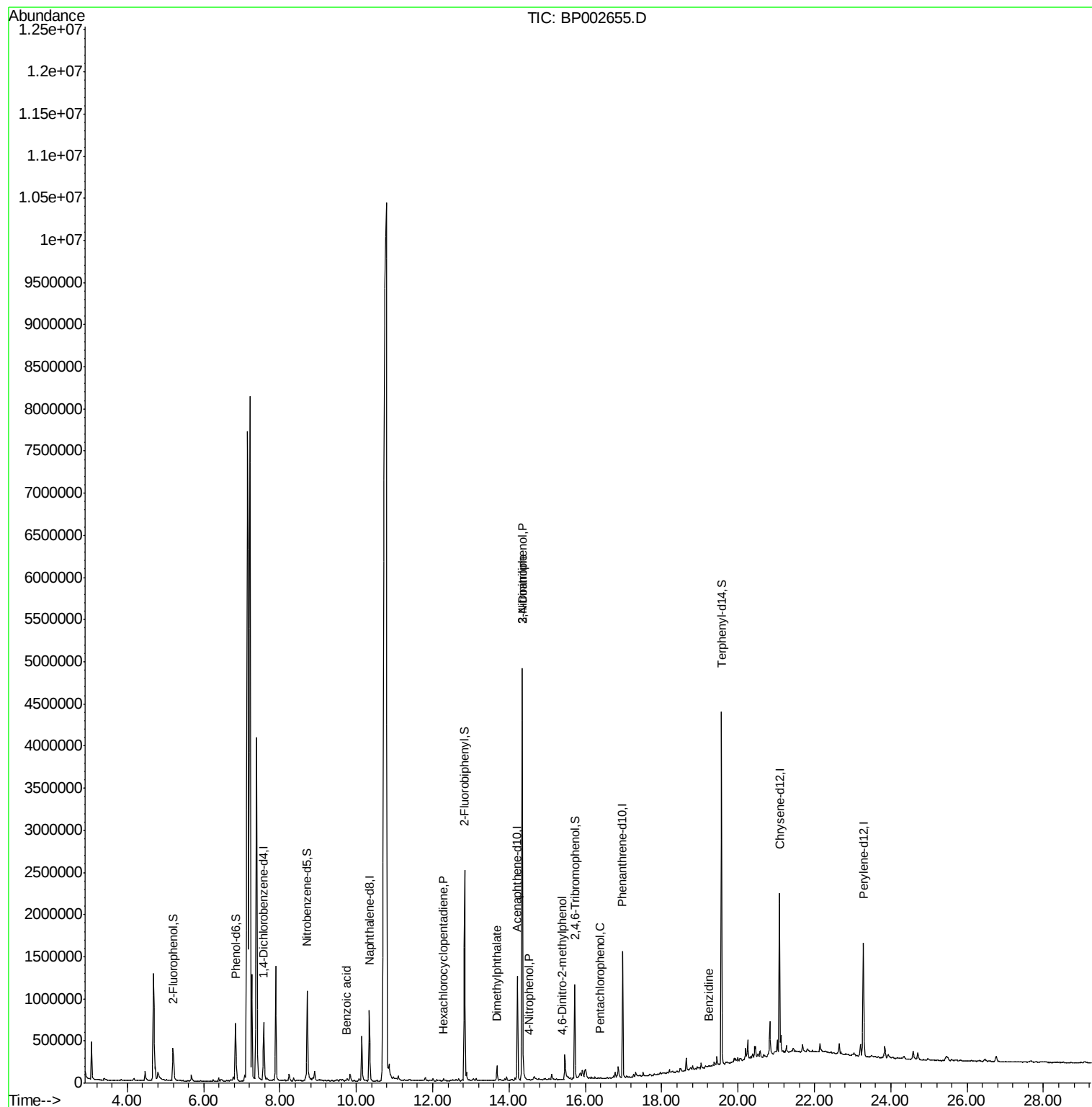
|                                |       |     |        |           |   | Qvalue |
|--------------------------------|-------|-----|--------|-----------|---|--------|
| 9) Benzaldehyde                | 6.73  | 77  | 561    | Below Cal | # | 26     |
| 32) Benzoic acid               | 9.74  | 122 | 123    | 8.713 ng  | # | 1      |
| 41) Hexachlorocyclopentadiene  | 12.29 | 237 | 25     | 4.385 ng  |   | 92     |
| 50) Dimethylphthalate          | 13.68 | 163 | 111489 | 3.479 ng  |   | 99     |
| 53) 3-Nitroaniline             | 14.35 | 138 | 18446  | 2.447 ng  | # | 43     |
| 54) 2,4-Dinitrophenol          | 14.34 | 184 | 3994   | 6.865 ng  | # | 1      |
| 56) 4-Nitrophenol              | 14.53 | 139 | 240    | 2.475 ng  | # | 1      |
| 65) 4,6-Dinitro-2-methylphenol | 15.39 | 198 | 25     | 2.714 ng  | # | 1      |
| 70) Pentachlorophenol          | 16.39 | 266 | 38     | 2.668 ng  |   | 98     |
| 77) Benzidine                  | 19.22 | 184 | 781    | 3.775 ng  | # | 1      |

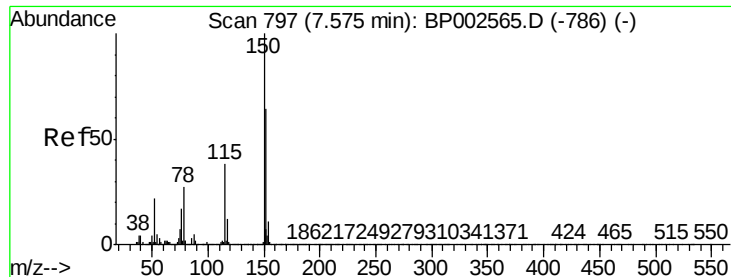
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070720\  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

Quant Time: Jul 07 14:39:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 29 16:51:57 2020  
Response via : Initial Calibration



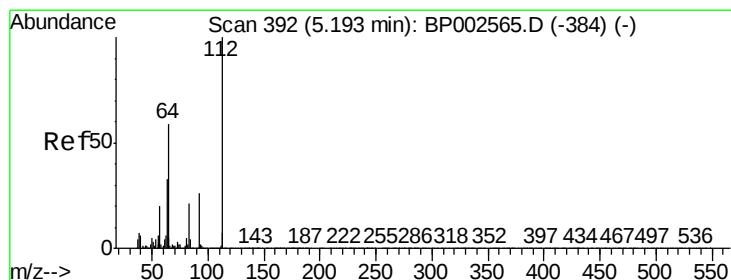
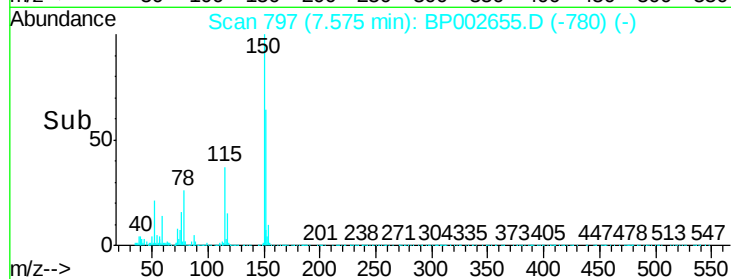
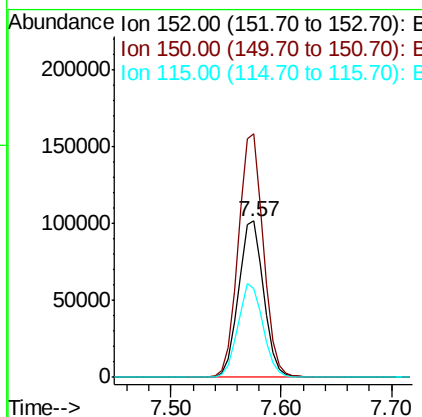
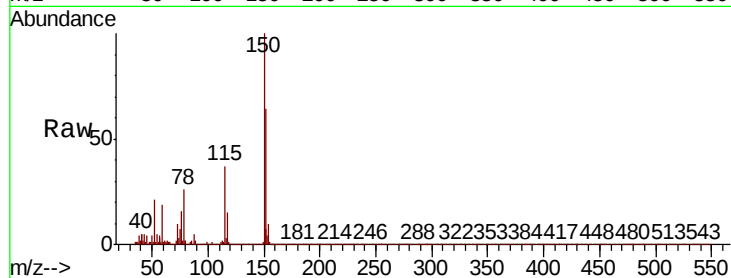


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.57 min Scan# 797  
Delta R.T. -0.00 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

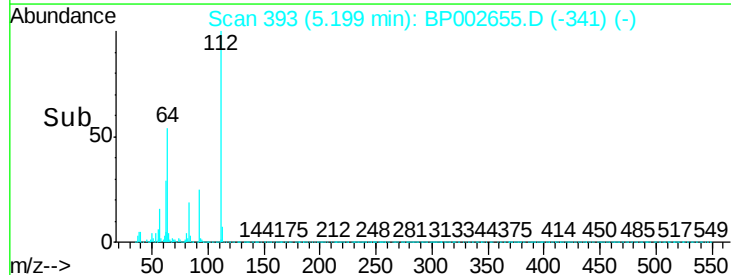
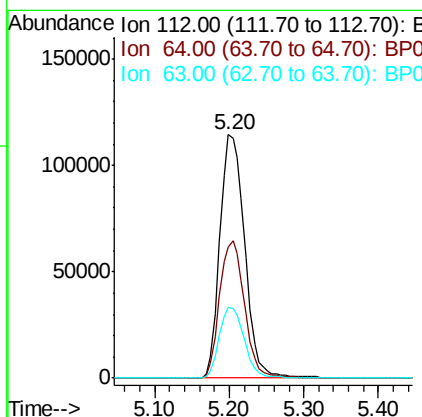
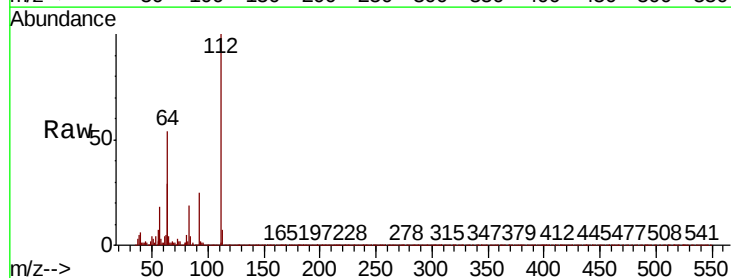
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.5 | 124.2 | 186.2 |
| 115     | 57.0  | 47.1  | 70.7  |

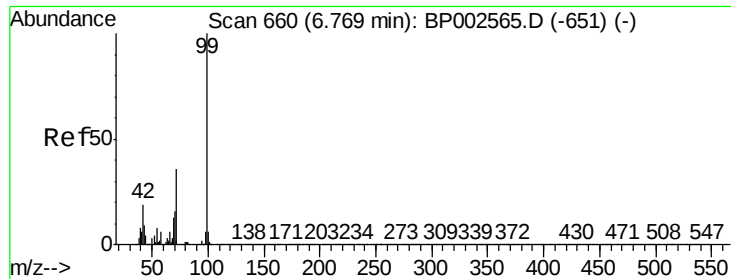


#5

2-Fluorophenol  
Concen: 27.576 ng  
RT: 5.20 min Scan# 393  
Delta R.T. 0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.9  | 47.0  | 70.6  |
| 63      | 29.1  | 26.1  | 39.1  |





#7

Phenol-d6

Concen: 34.837 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.06 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

Instrument :

BNA\_P

ClientSampleId :

E3-41-NHS

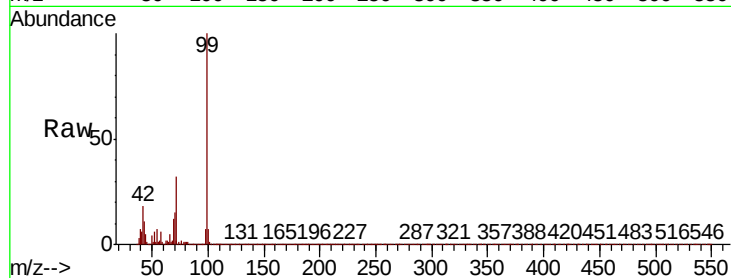
Tot Ion: 99 Resp: 467342

Ion Ratio Lower Upper

99 100

42 17.7 15.5 23.3

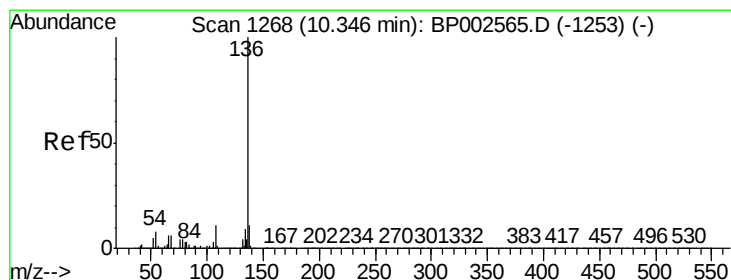
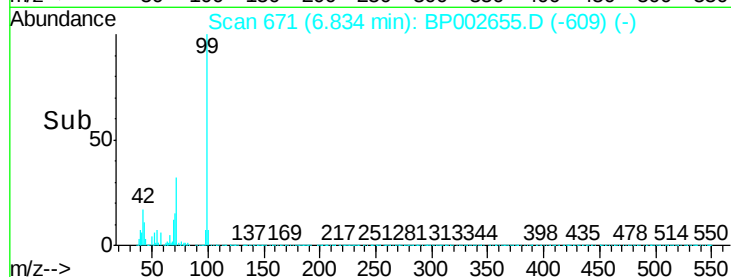
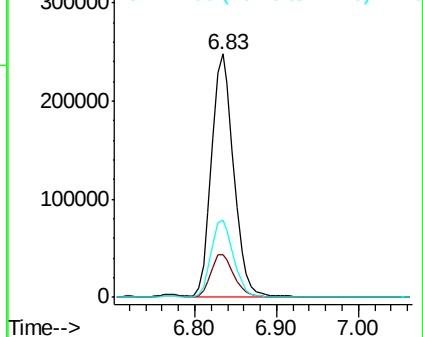
71 31.9 28.9 43.3



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: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

Tgt Ion: 136 Resp: 680138

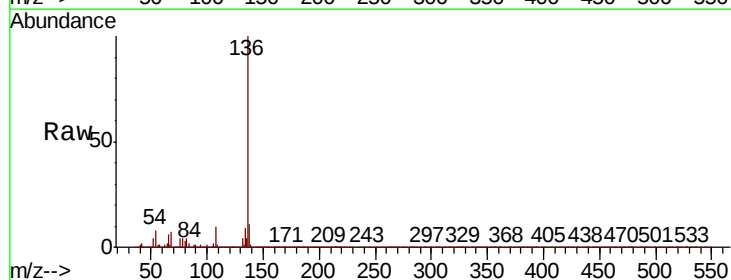
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.4 6.4 9.6

68 7.2 5.1 7.7

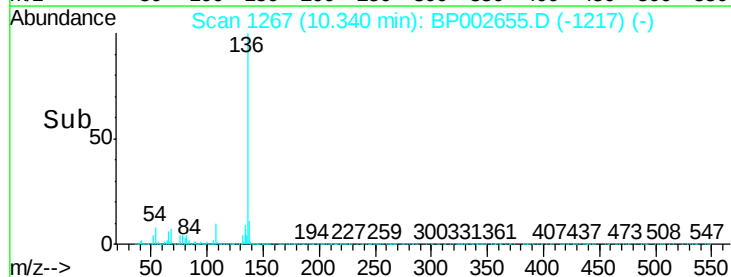
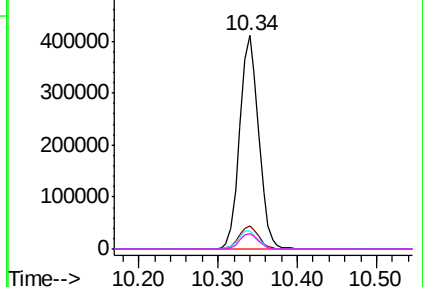


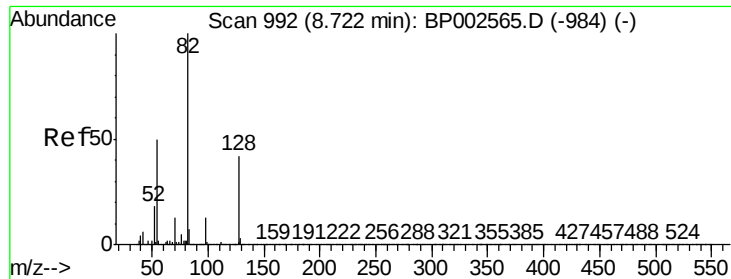
Abundance Ion 136.00 (135.70 to 136.70): E

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

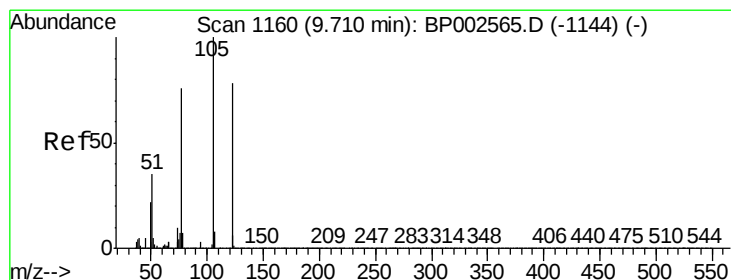
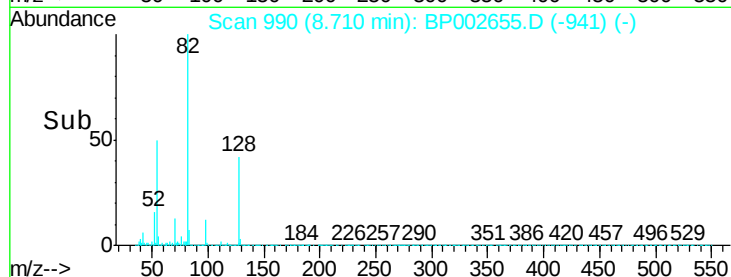
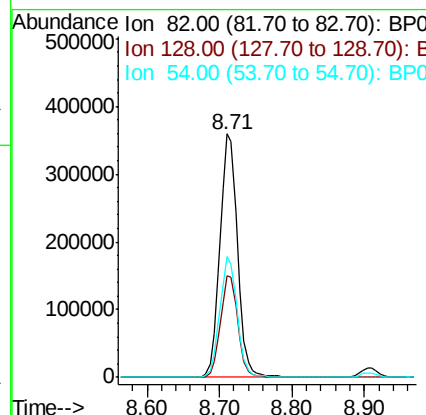
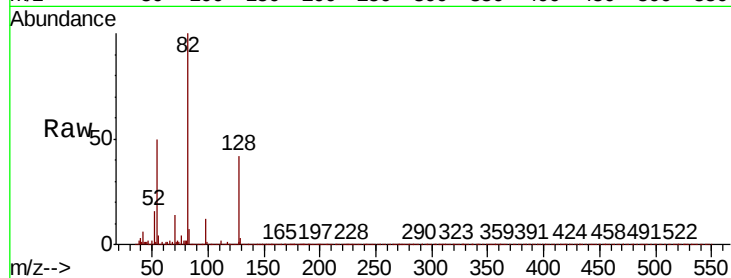




#23  
 Nitrobenzene-d5  
 Concen: 45.907 ng  
 RT: 8.71 min Scan# 990  
 Delta R.T. -0.01 min  
 Lab File: BP002655.D  
 Acq: 07 Jul 2020 13:33

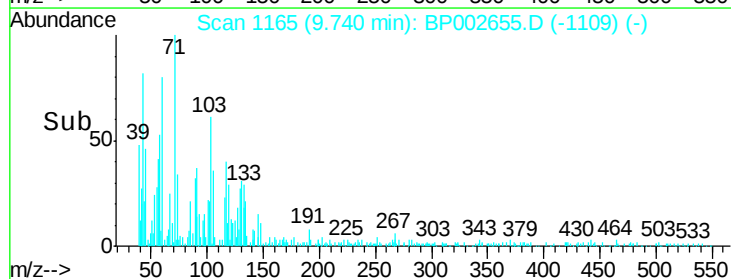
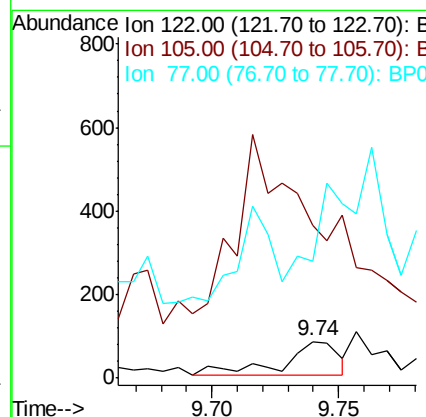
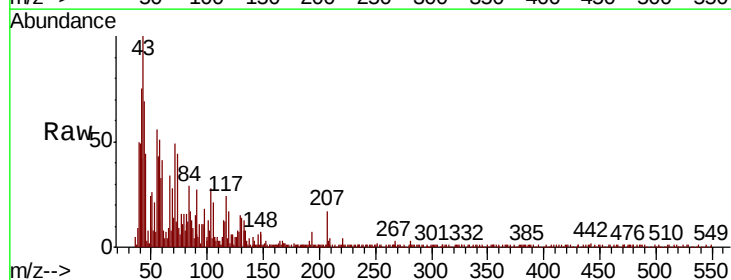
Instrument :  
 BNA\_P  
 ClientSampleId :  
 E3-41-NHS

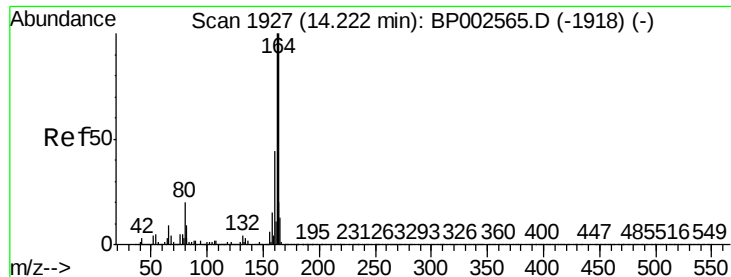
| Tot Ion   | 82    | Resp  | 605978 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.9  | 33.4  | 50.2   |
| 54        | 49.7  | 40.1  | 60.1   |



#32  
 Benzoic acid  
 Concen: 8.713 ng  
 RT: 9.74 min Scan# 1165  
 Delta R.T. 0.03 min  
 Lab File: BP002655.D  
 Acq: 07 Jul 2020 13:33

| Tgt Ion   | 122   | Resp  | 123    |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 415.9 | 106.6 | 146.6# |
| 77        | 317.0 | 76.5  | 116.5# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

Instrument :

BNA\_P

ClientSampleId :

E3-41-NHS

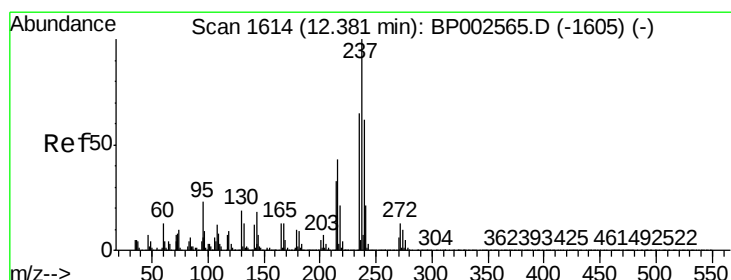
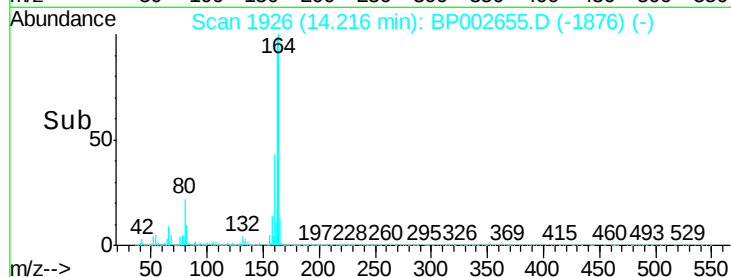
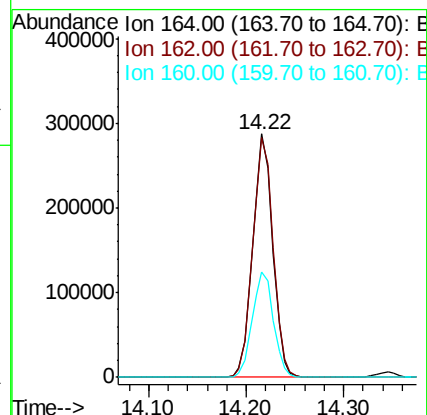
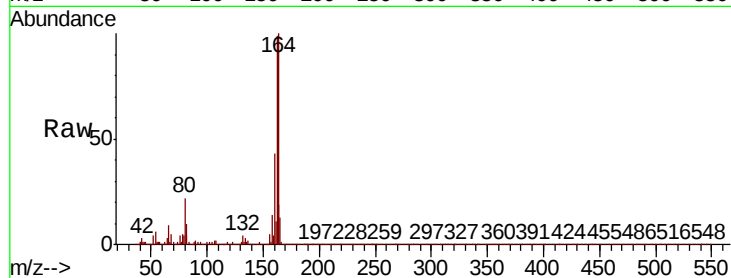
Tot Ion:164 Resp: 408050

Ion Ratio Lower Upper

164 100

162 98.7 80.3 120.5

160 43.4 35.0 52.6



#41

Hexachlorocyclopentadiene

Concen: 4.385 ng

RT: 12.29 min Scan# 1598

Delta R.T. -0.09 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

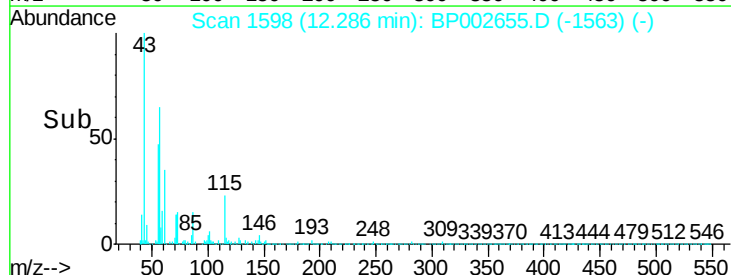
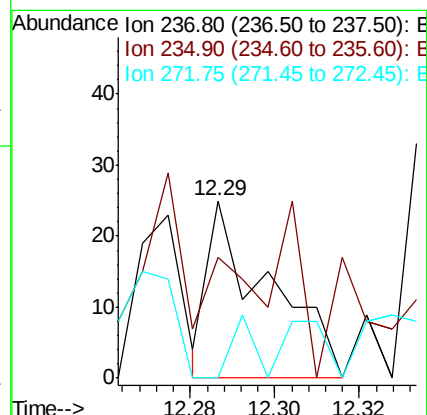
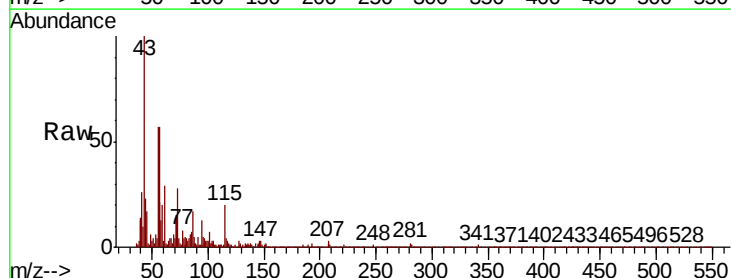
Tgt Ion:237 Resp: 25

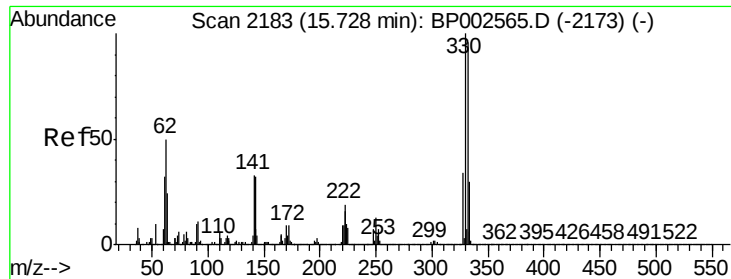
Ion Ratio Lower Upper

237 100

235 68.0 45.4 85.4

272 0.0 0.0 32.6

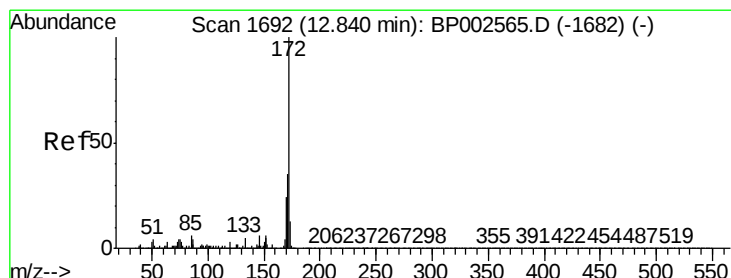
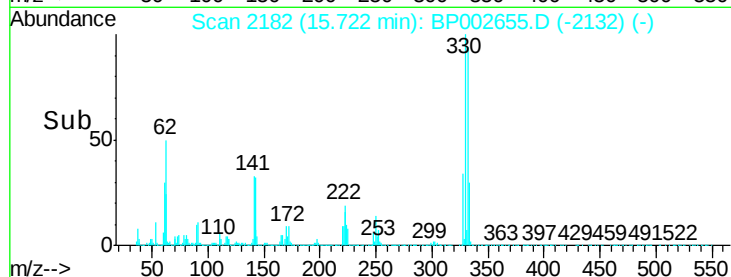
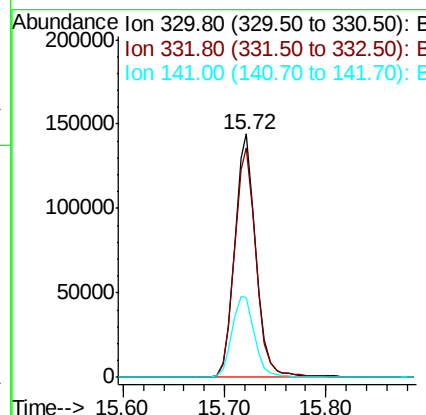
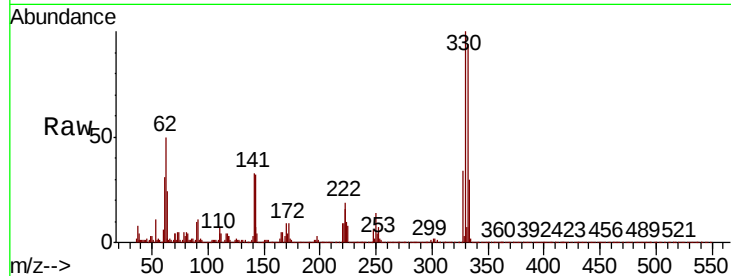




#42  
 2,4,6-Tribromophenol  
 Concen: 41.902 ng  
 RT: 15.72 min Scan# 2182  
 Delta R.T. -0.01 min  
 Lab File: BP002655.D  
 Acq: 07 Jul 2020 13:33

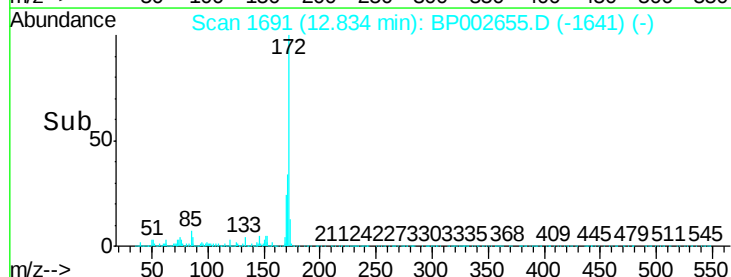
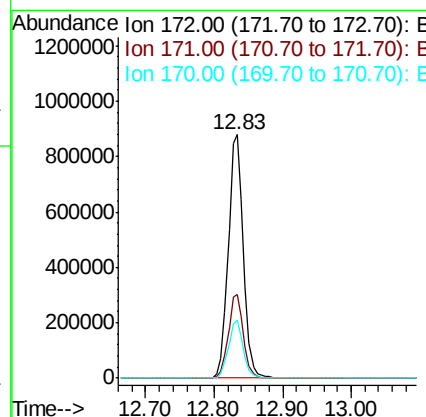
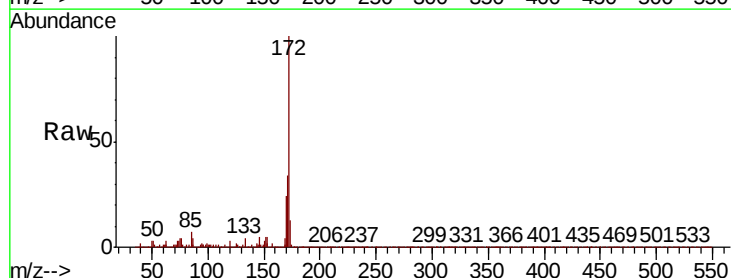
Instrument :  
 BNA\_P  
 ClientSampleId :  
 E3-41-NHS

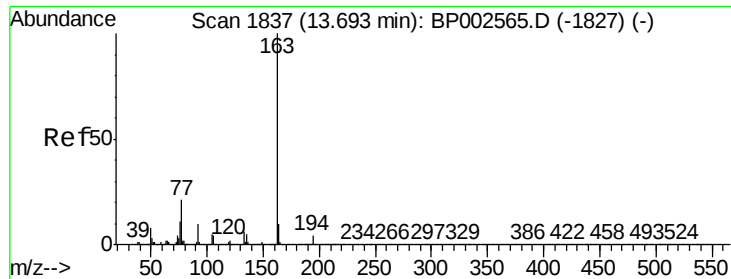
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.7  | 116.5 |
| 141     | 35.6  | 29.0  | 43.6  |



#45  
 2-Fluorobiphenyl  
 Concen: 48.270 ng  
 RT: 12.83 min Scan# 1691  
 Delta R.T. -0.01 min  
 Lab File: BP002655.D  
 Acq: 07 Jul 2020 13:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 28.0  | 42.0  |
| 170     | 23.6  | 19.0  | 28.4  |

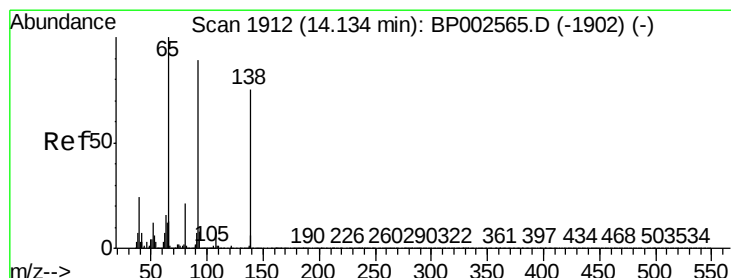
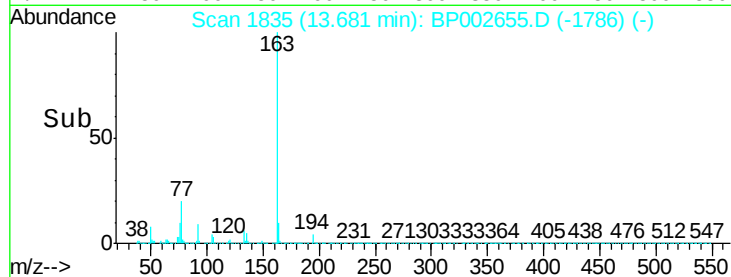
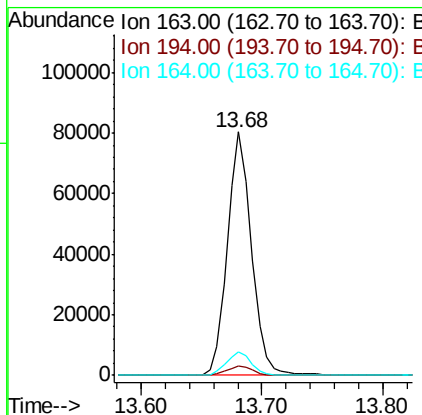
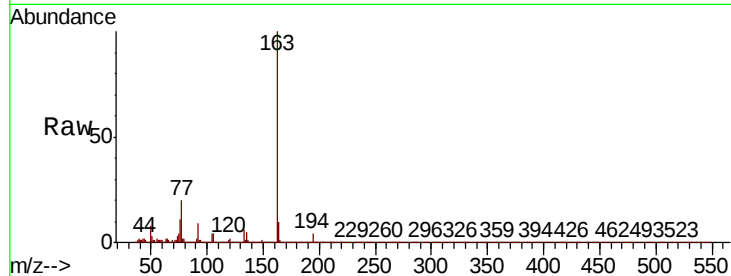




#50  
Dimethylphthalate  
Concen: 3.479 ng  
RT: 13.68 min Scan# 1835  
Delta R.T. -0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

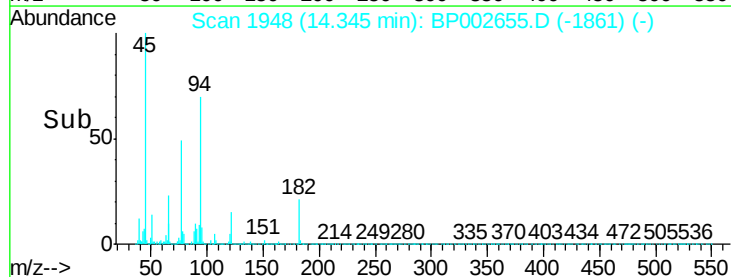
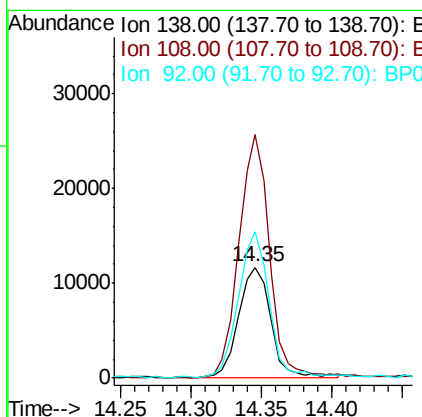
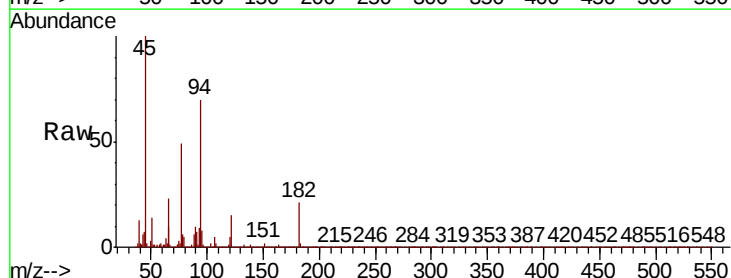
Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

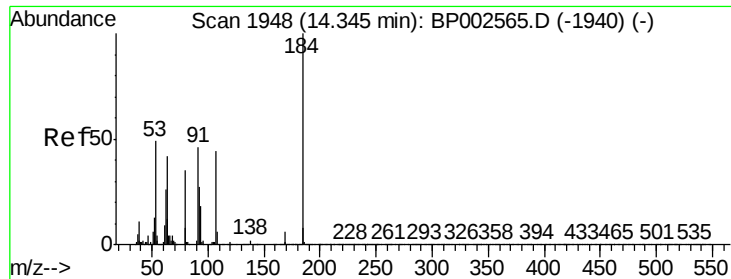
Tot Ion:163 Resp: 111489  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 9.9 8.2 12.4



#53  
3-Nitroaniline  
Concen: 2.447 ng  
RT: 14.35 min Scan# 1948  
Delta R.T. 0.21 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

Tgt Ion:138 Resp: 18446  
Ion Ratio Lower Upper  
138 100  
108 220.0 8.6 12.8#  
92 132.4 94.9 142.3

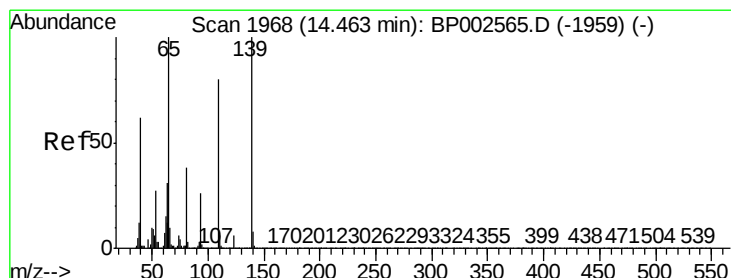
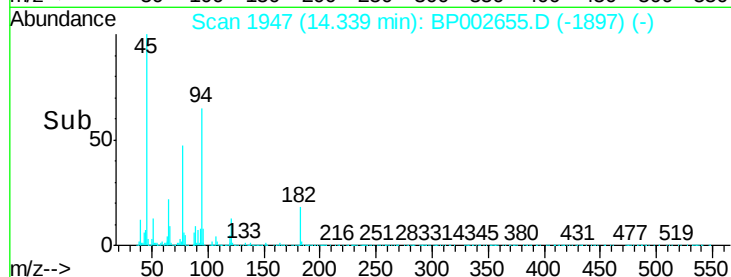
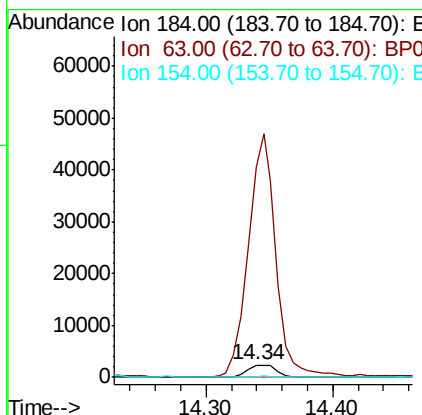
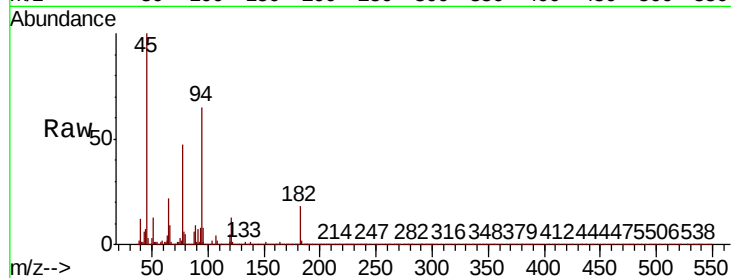




#54  
2,4-Dinitrophenol  
Concen: 6.865 ng  
RT: 14.34 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

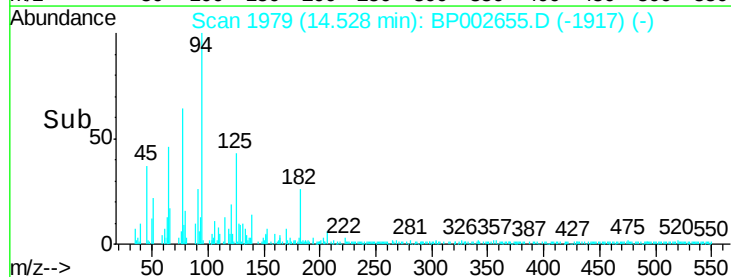
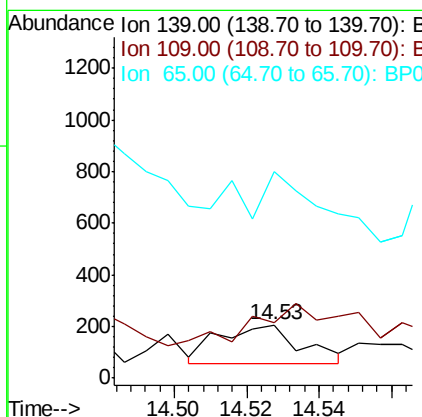
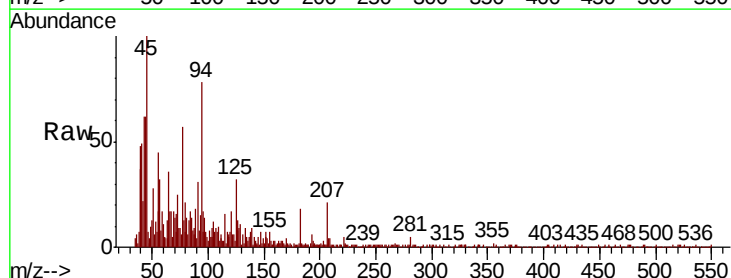
Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

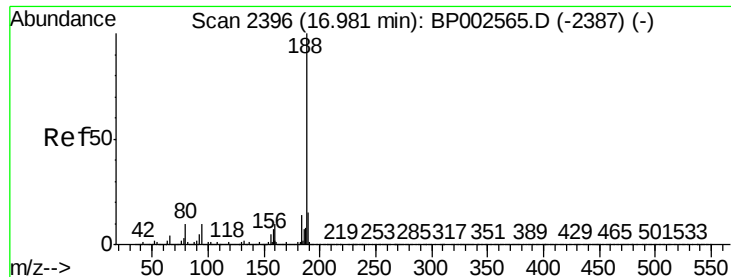
Tot Ion:184 Resp: 3994  
Ion Ratio Lower Upper  
184 100  
63 1692.1 56.2 84.2#  
154 4.4 50.9 76.3#



#56  
4-Nitrophenol  
Concen: 2.475 ng  
RT: 14.53 min Scan# 1979  
Delta R.T. 0.06 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

Tgt Ion:139 Resp: 240  
Ion Ratio Lower Upper  
139 100  
109 104.4 60.1 100.1#  
65 389.3 80.3 120.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

Instrument :

BNA\_P

ClientSampleId :

E3-41-NHS

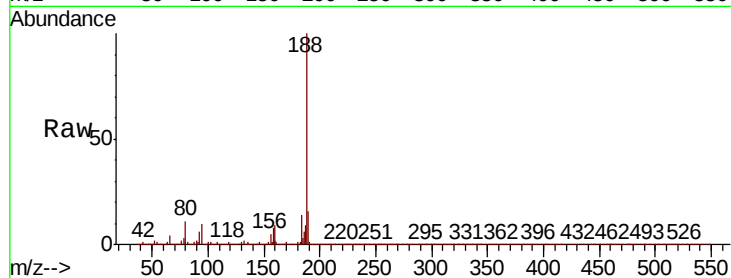
Tot Ion:188 Resp: 873263

Ion Ratio Lower Upper

188 100

94 10.4 7.8 11.6

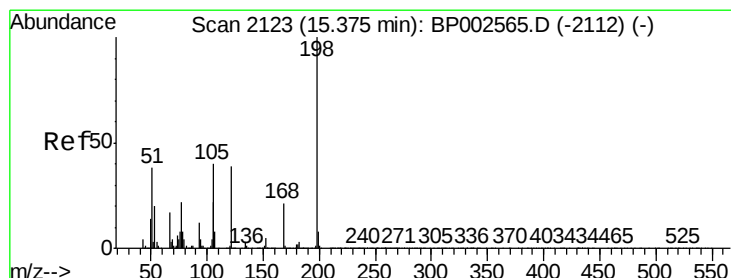
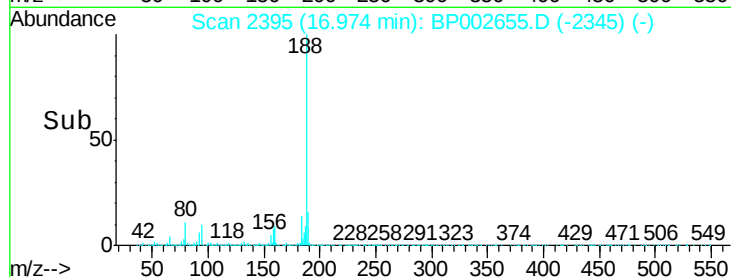
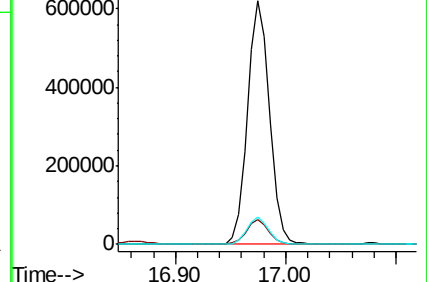
80 11.1 8.2 12.4



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: 2.714 ng

RT: 15.39 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BP002655.D

Acq: 07 Jul 2020 13:33

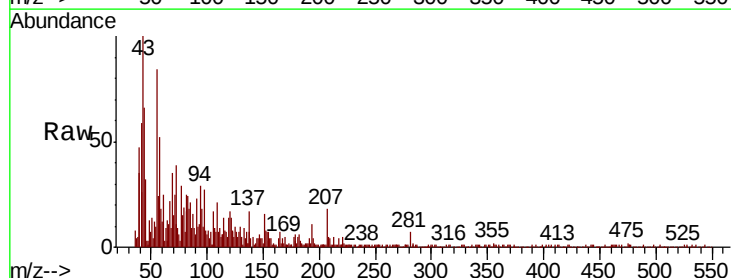
Tgt Ion:198 Resp: 25

Ion Ratio Lower Upper

198 100

51 1428.6 24.2 64.2#

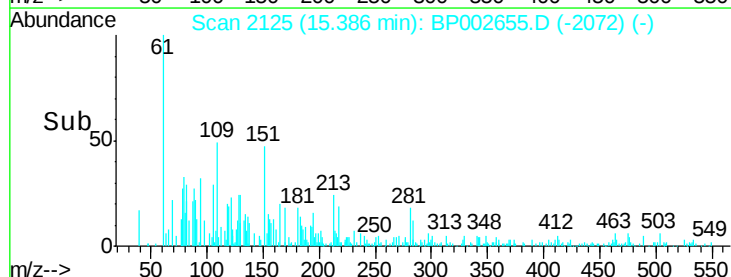
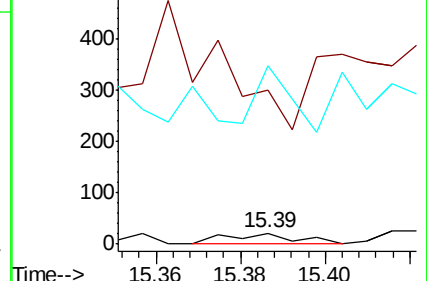
105 1657.1 20.7 60.7#

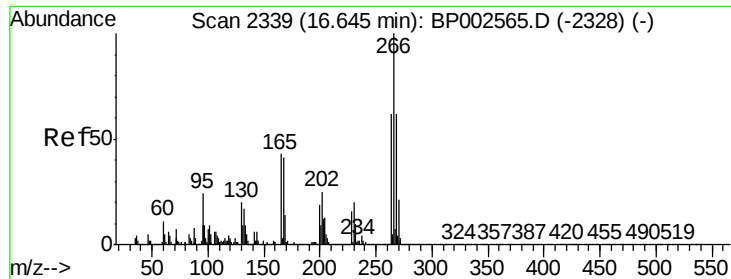


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

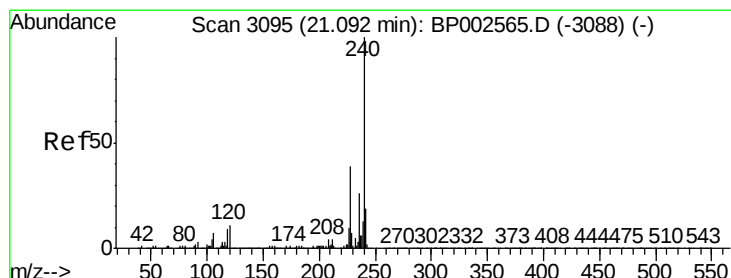
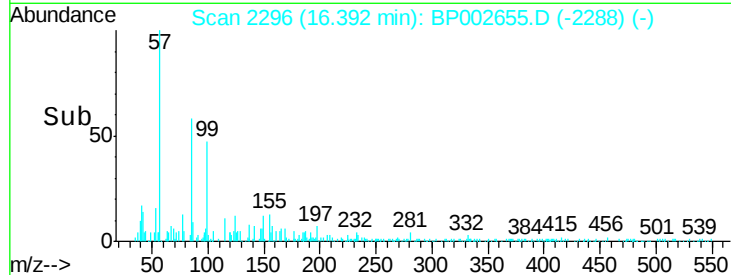
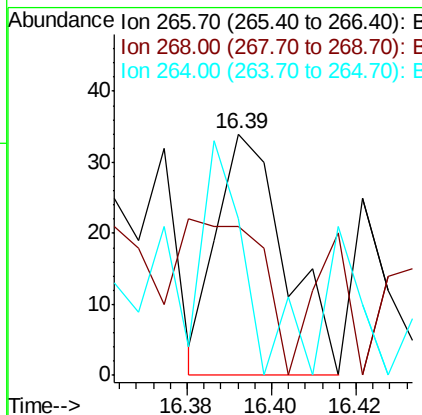
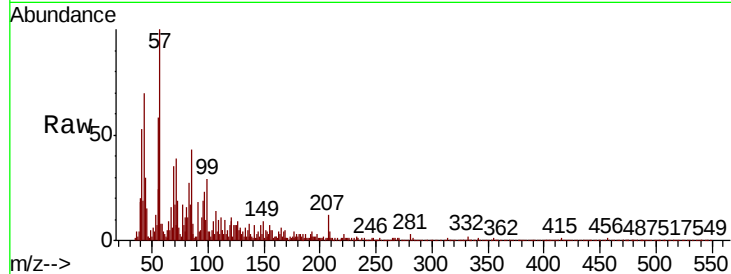




#70  
Pentachlorophenol  
Concen: 2.668 ng  
RT: 16.39 min Scan# 2296  
Delta R.T. -0.25 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

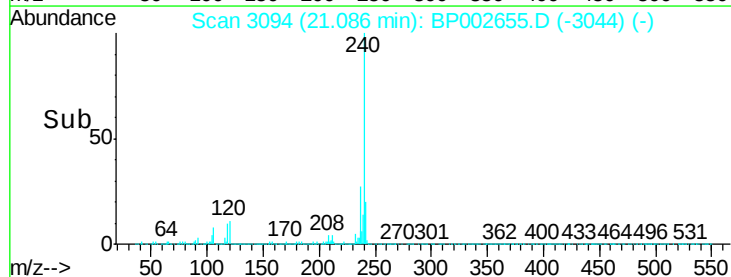
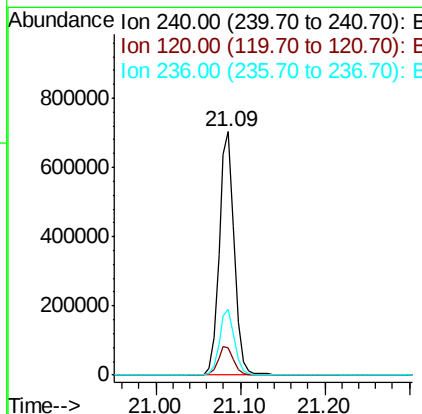
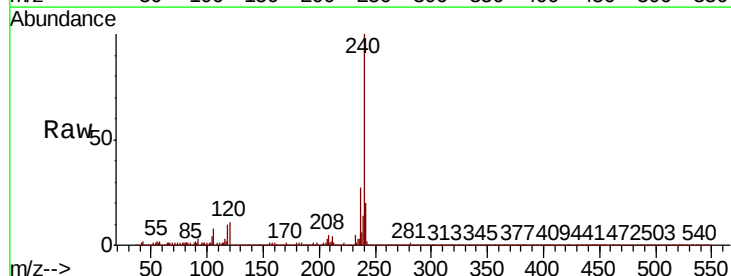
Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

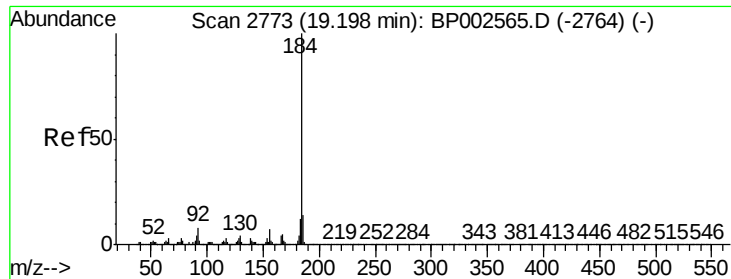
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 61.8  | 49.7  | 74.5  |
| 264     | 64.7  | 49.3  | 73.9  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3094  
Delta R.T. -0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 8.6   | 13.0  |
| 236     | 27.2  | 20.8  | 31.2  |

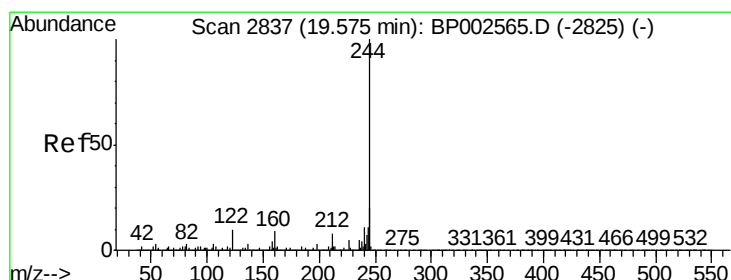
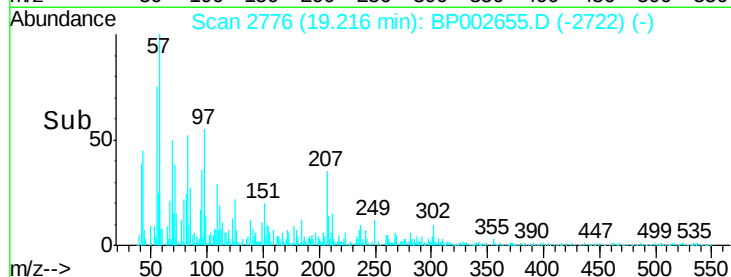
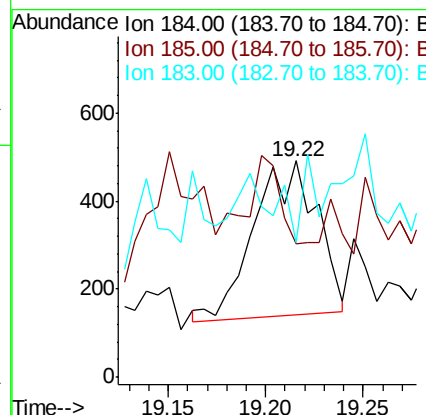
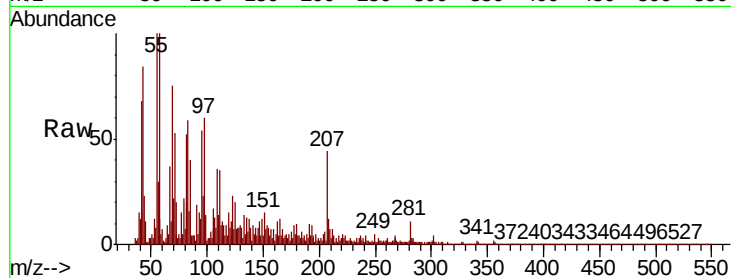




#77  
Benzidine  
Concen: 3.775 ng  
RT: 19.22 min Scan# 2776  
Delta R.T. 0.02 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

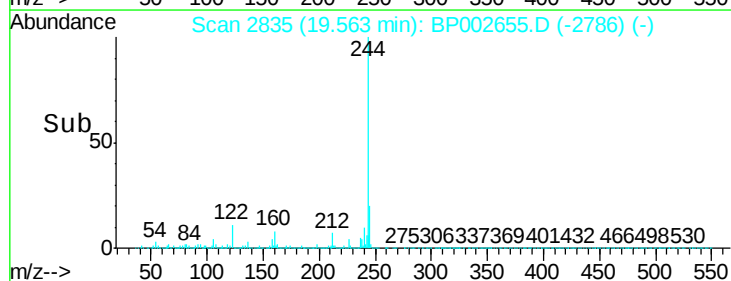
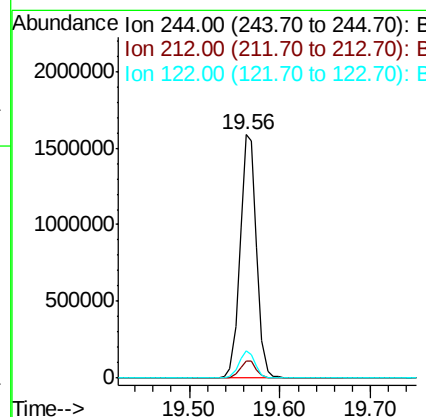
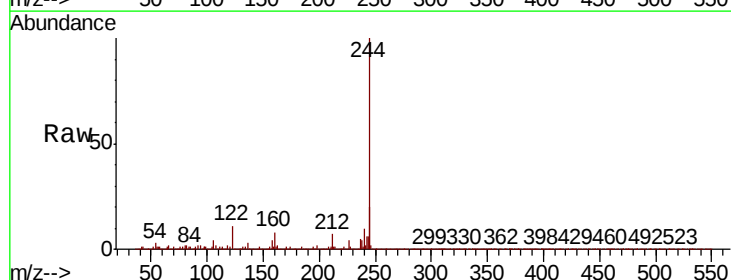
Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

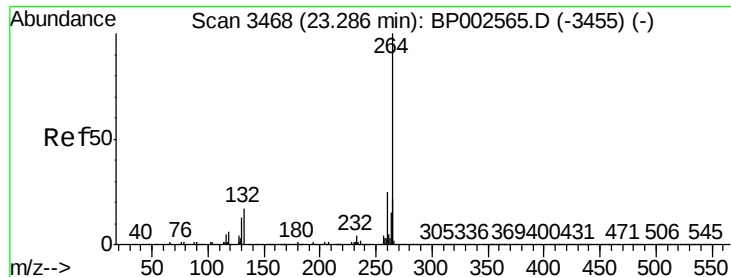
Tot Ion:184 Resp: 781  
Ion Ratio Lower Upper  
184 100  
185 61.7 11.4 17.2#  
183 62.3 9.2 13.8#



#79  
Terphenyl-d14  
Concen: 49.686 ng  
RT: 19.56 min Scan# 2835  
Delta R.T. -0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

Tgt Ion:244 Resp: 2019168  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.5 9.7  
122 11.3 7.9 11.9





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.28 min Scan# 3467  
Delta R.T. -0.01 min  
Lab File: BP002655.D  
Acq: 07 Jul 2020 13:33

Instrument :  
BNA\_P  
ClientSampleId :  
E3-41-NHS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.7  | 29.5  |
| 265     | 21.6  | 17.6  | 26.4  |

