

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072020\  
 Data File : BP002805.D  
 Acq On : 20 Jul 2020 17:45  
 Operator : CG/JU  
 Sample : L3323-03 10X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 223-224

Quant Time: Jul 20 18:40:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 2020  
 Response via : Initial Calibration

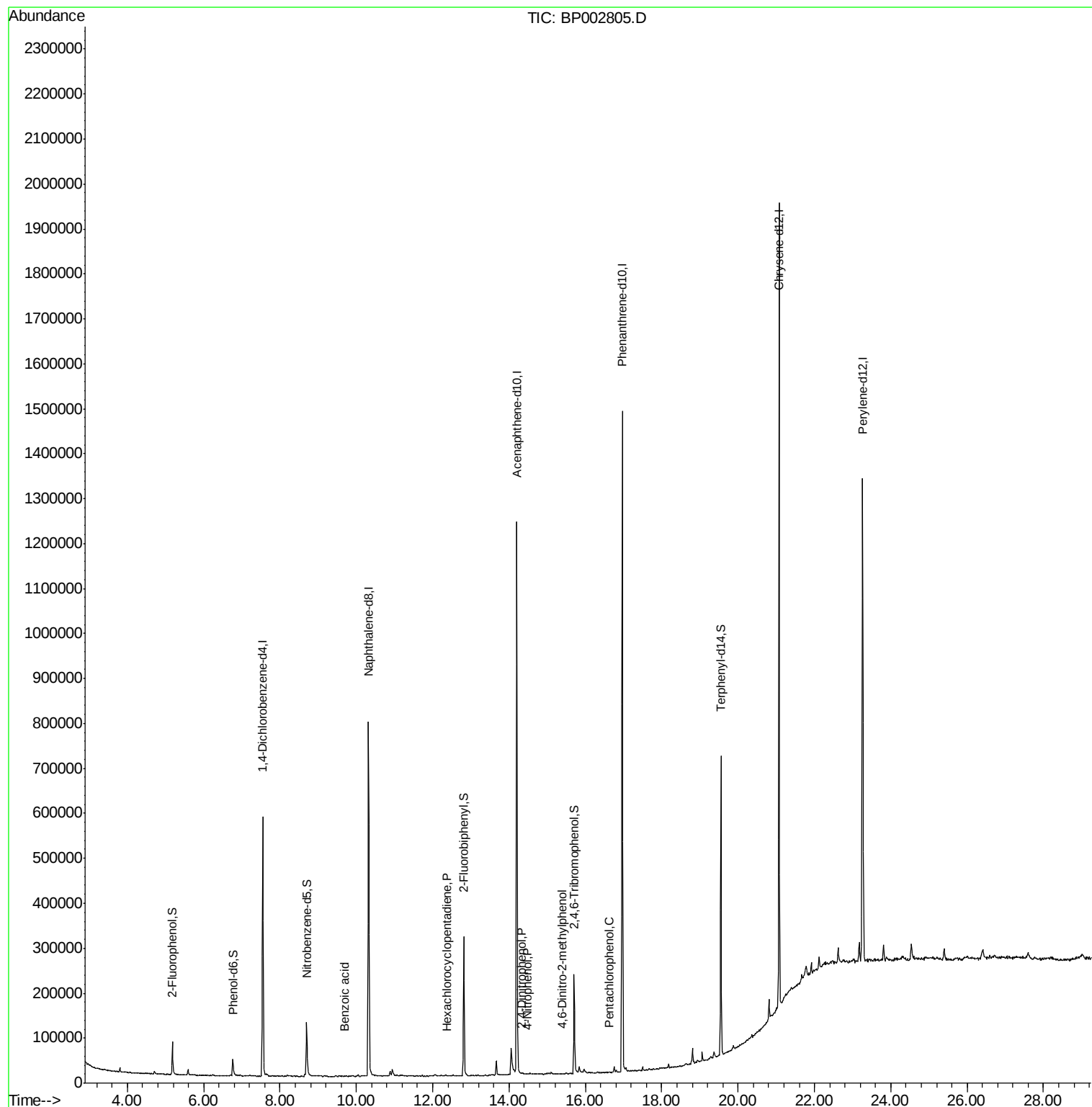
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 156554   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.32 | 136  | 664385   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.20 | 164  | 411448   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 16.96 | 188  | 864472   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.07 | 240  | 815625   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 23.26 | 264  | 724828   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.18  | 112  | 37146    | 4.00   | ng    | 0.00     |
| 7) Phenol-d6                   | 6.76  | 99   | 30171    | 2.28   | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.70  | 82   | 82529    | 6.64   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.71 | 330  | 41683    | 9.71   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.82 | 172  | 173587   | 6.53   | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.55 | 244  | 271684   | 7.64   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 32) Benzoic acid               | 9.71  | 122  | 74       | 7.071  | ng    | # 24     |
| 41) Hexachlorocyclopentadiene  | 12.37 | 237  | 27       | 7.439  | ng    | # 81     |
| 54) 2,4-Dinitrophenol          | 14.32 | 184  | 10       | 11.376 | ng    | # 1      |
| 56) 4-Nitrophenol              | 14.47 | 139  | 38       | 4.978  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 27       | 5.271  | ng    | # 1      |
| 70) Pentachlorophenol          | 16.63 | 266  | 35       | 7.448  | ng    | # 55     |

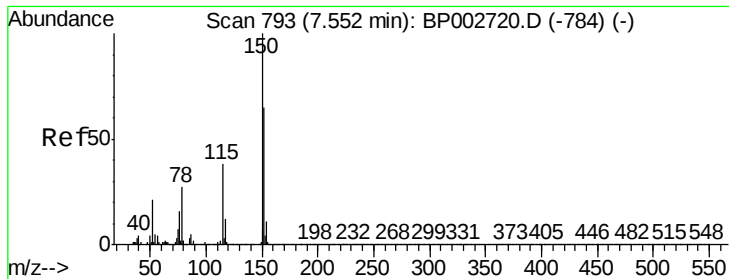
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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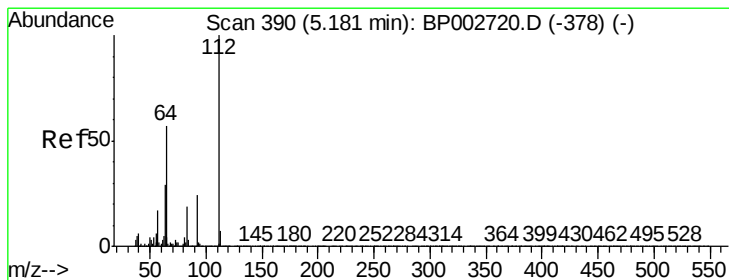
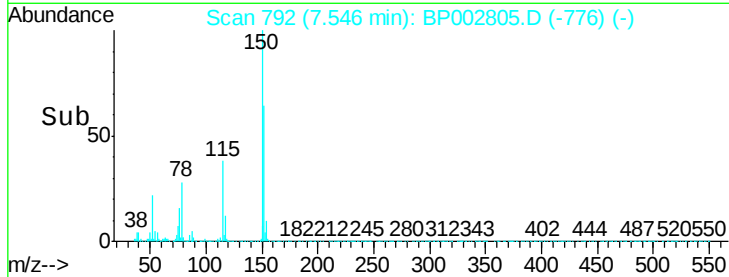
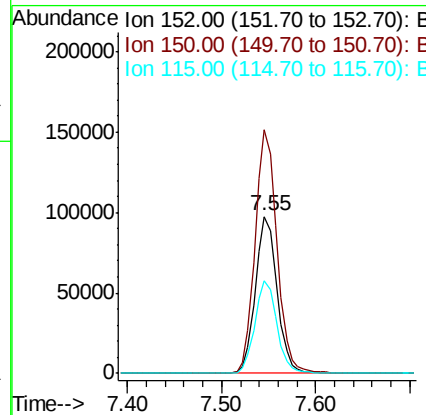
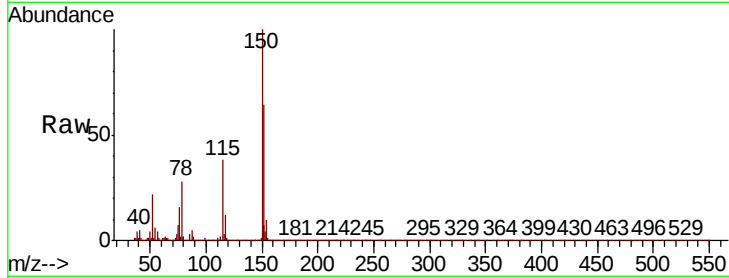


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.55 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

Instrument :  
BNA\_P  
ClientSampleId :  
223-224

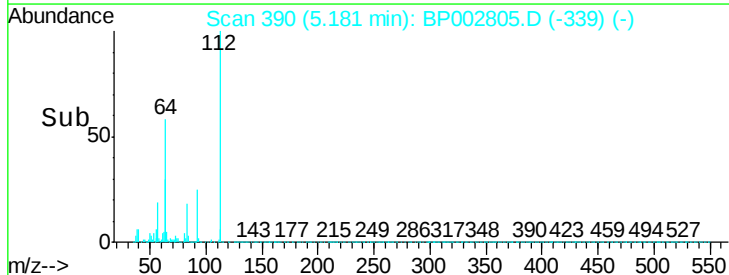
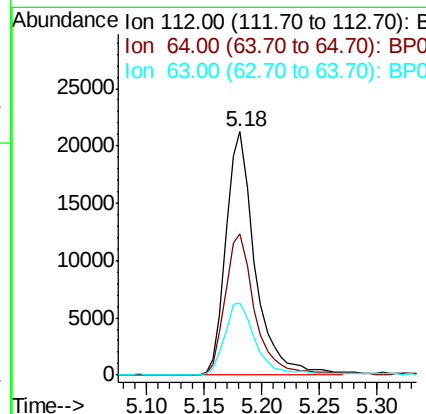
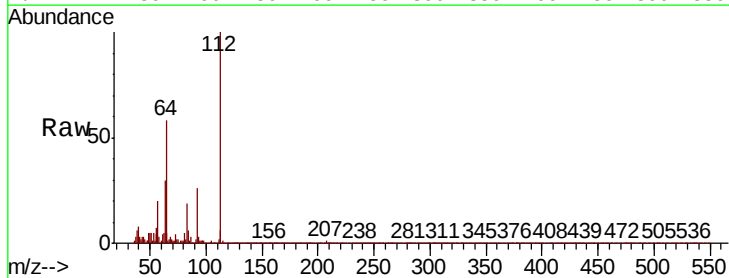
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.3 | 123.7 | 185.5 |
| 115     | 59.0  | 47.2  | 70.8  |

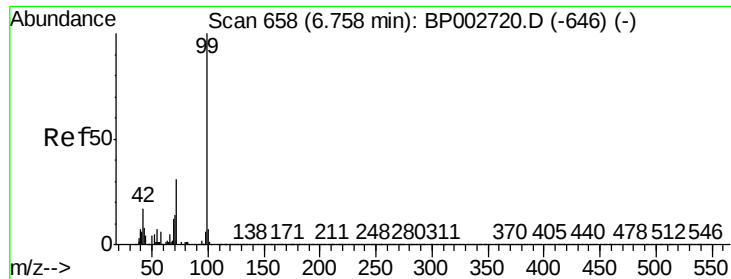


#5

2-Fluorophenol  
Concen: 4.003 ng  
RT: 5.18 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.0  | 45.6  | 68.4  |
| 63      | 29.8  | 23.5  | 35.3  |





#7

Phenol-d6

Concen: 2.278 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

Instrument :

BNA\_P

ClientSampleId :

223-224

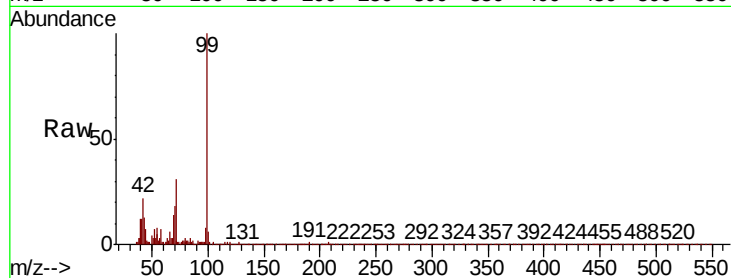
Tot Ion: 99 Resp: 30171

Ion Ratio Lower Upper

99 100

42 21.5 13.4 20.2#

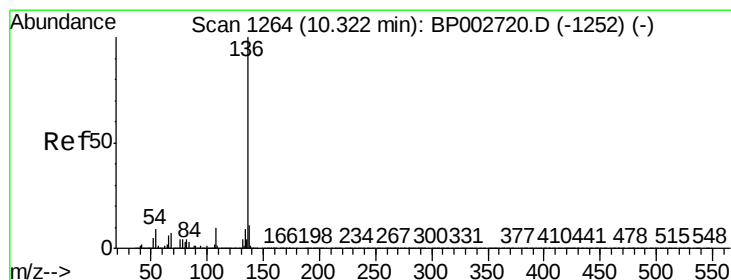
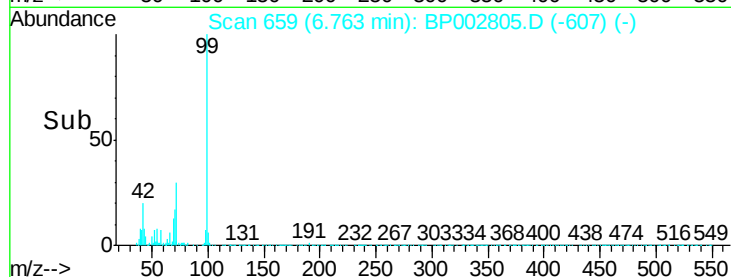
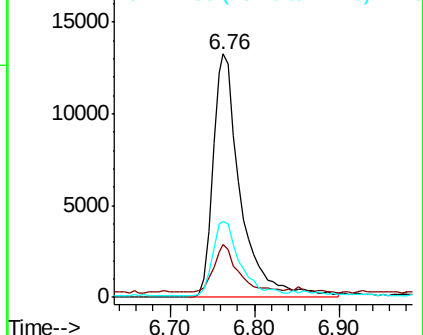
71 31.0 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

Tgt Ion: 136 Resp: 664385

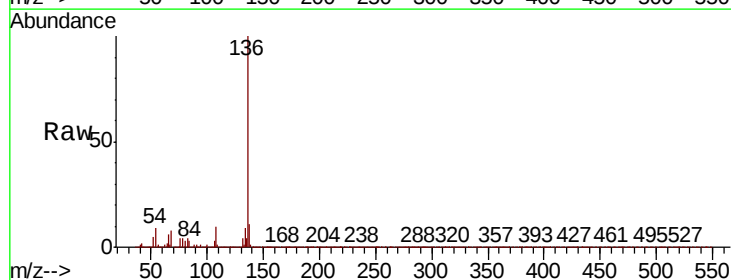
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.0 6.9 10.3

68 7.7 5.7 8.5

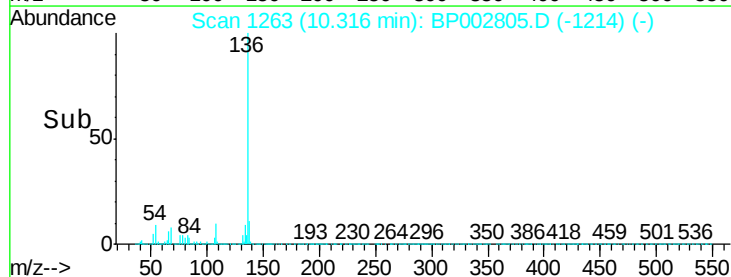
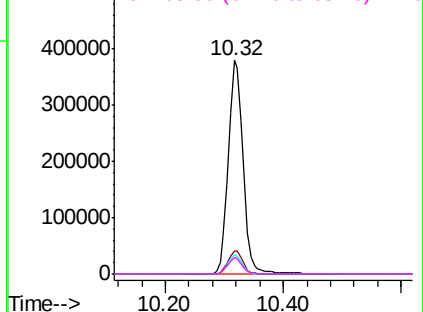


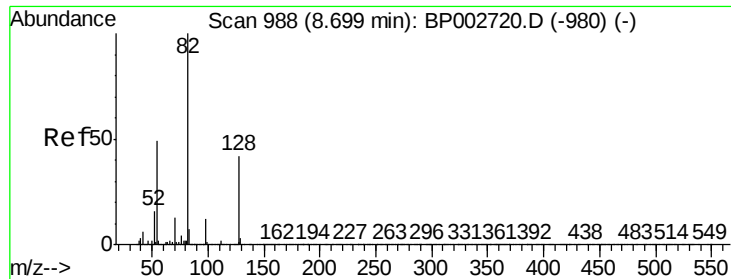
Abundance Ion 136.00 (135.70 to 136.70): E

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

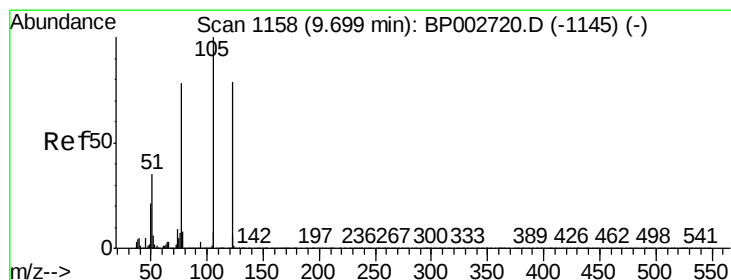
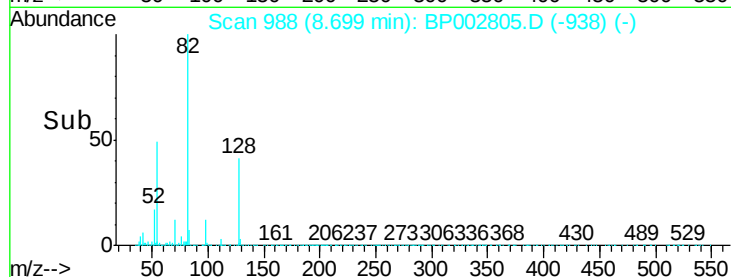
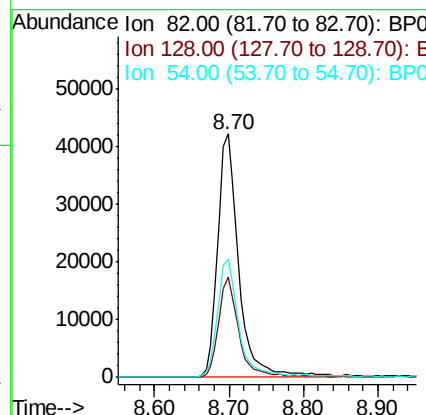
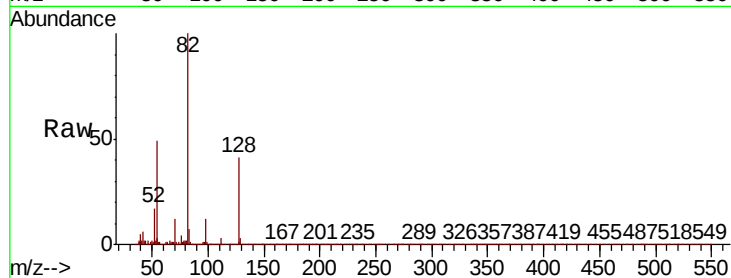




#23  
Nitrobenzene-d5  
Concen: 6.644 ng  
RT: 8.70 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

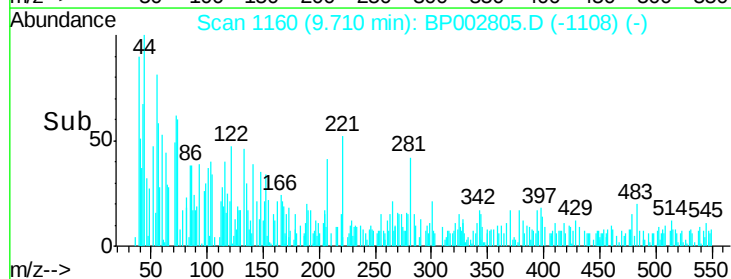
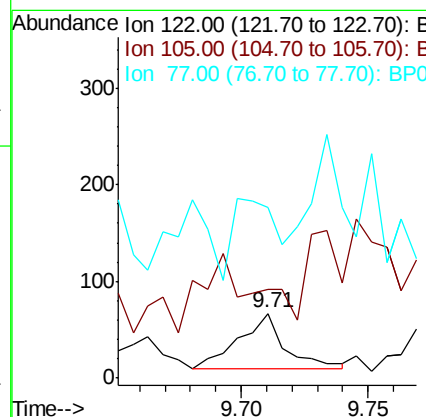
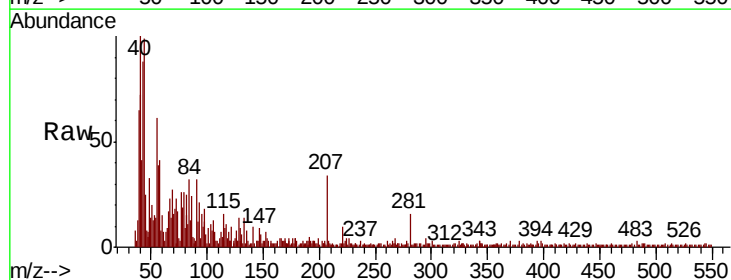
Instrument :  
BNA\_P  
ClientSampleId :  
223-224

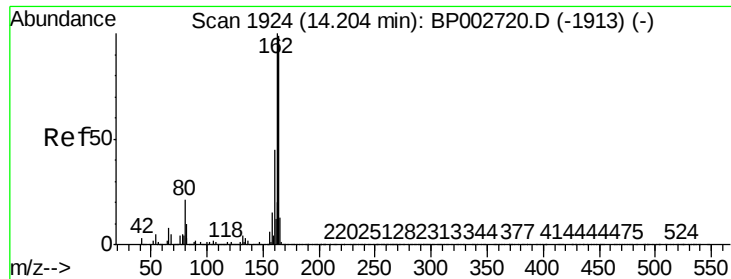
| Tot Ion   | 82    | Resp  | 82529 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 41.3  | 33.8  | 50.8  |
| 54        | 48.6  | 38.8  | 58.2  |



#32  
Benzoic acid  
Concen: 7.071 ng  
RT: 9.71 min Scan# 1160  
Delta R.T. 0.01 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

| Tgt Ion   | 122   | Resp  | 74     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 133.8 | 105.4 | 145.4  |
| 77        | 260.3 | 78.5  | 118.5# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

Instrument :

BNA\_P

ClientSampleId :

223-224

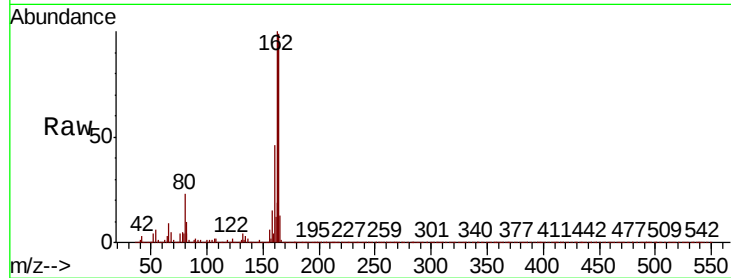
Tot Ion:164 Resp: 411448

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

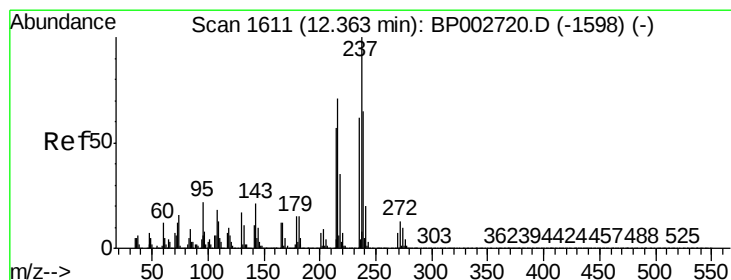
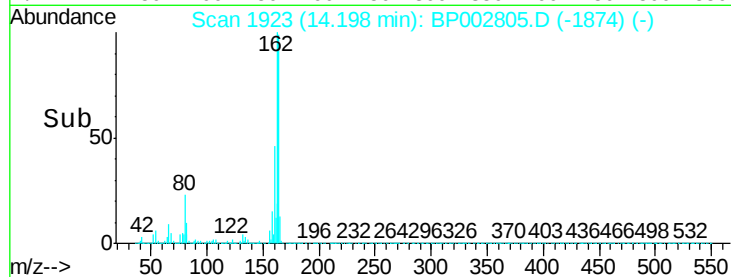
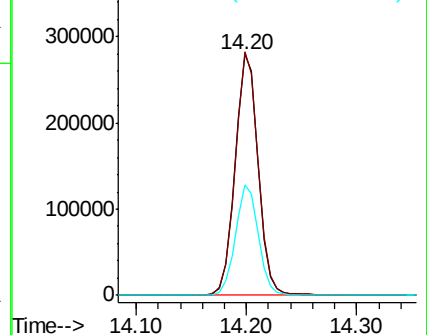
160 46.1 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.439 ng

RT: 12.37 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

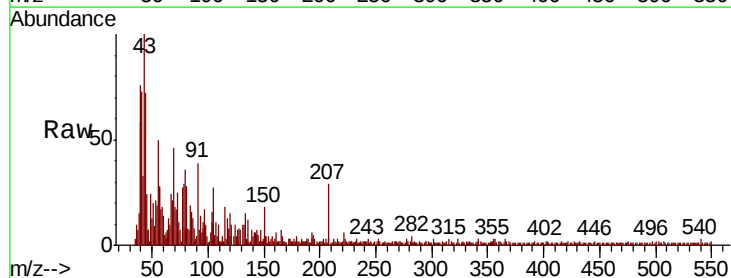
Tgt Ion:237 Resp: 27

Ion Ratio Lower Upper

237 100

235 75.0 42.3 82.3

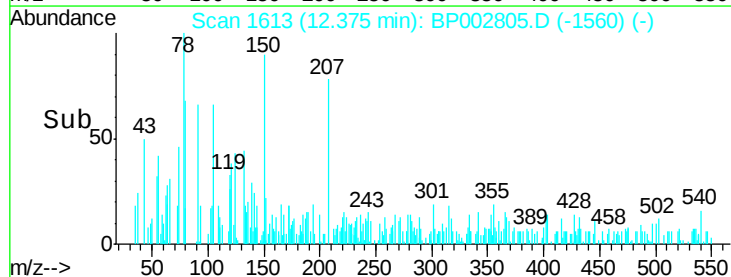
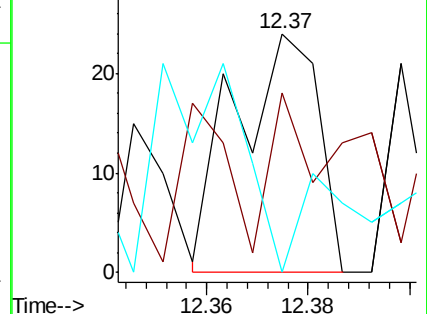
272 0.0 0.0 32.5

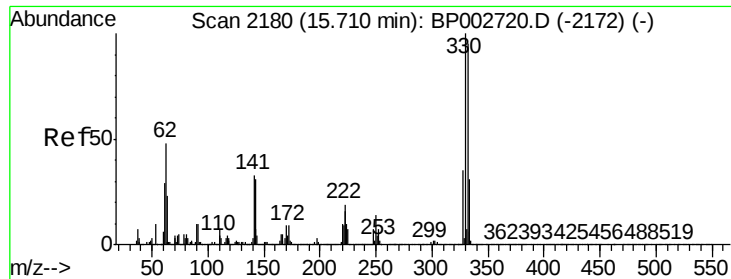


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

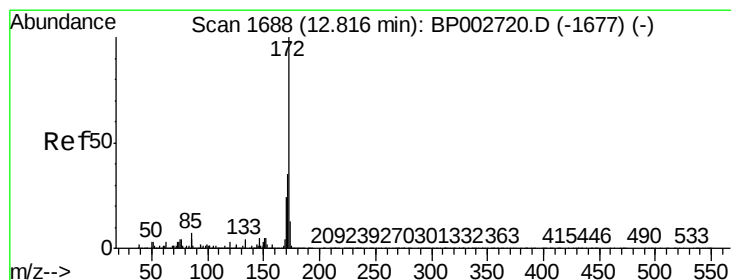
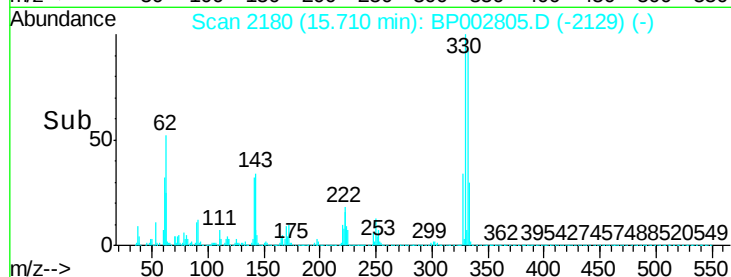
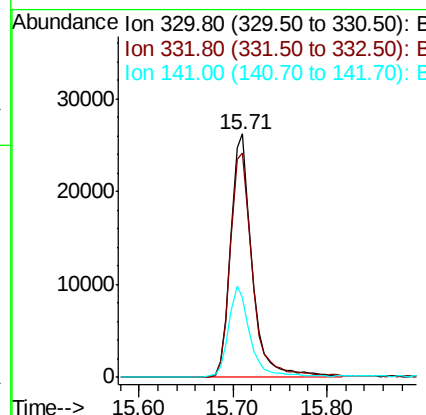
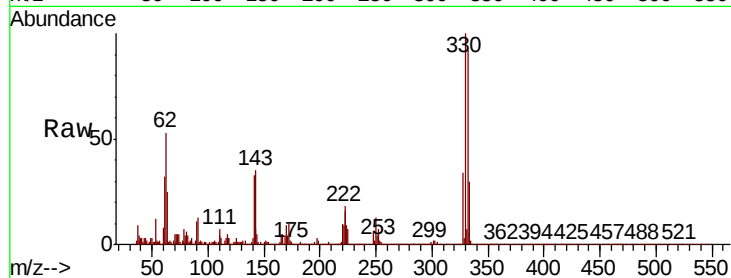




#42  
 2,4,6-Tribromophenol  
 Concen: 9.705 ng  
 RT: 15.71 min Scan# 2180  
 Delta R.T. 0.00 min  
 Lab File: BP002805.D  
 Acq: 20 Jul 2020 17:45

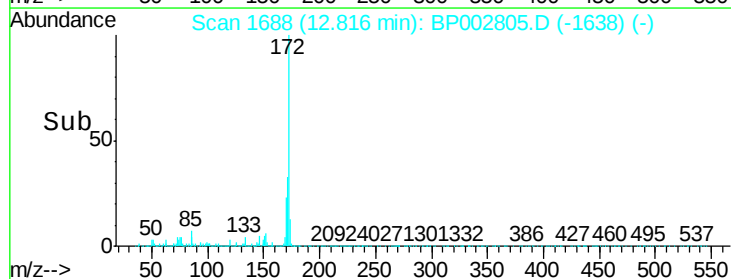
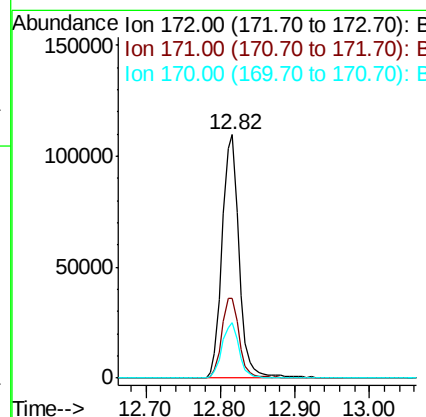
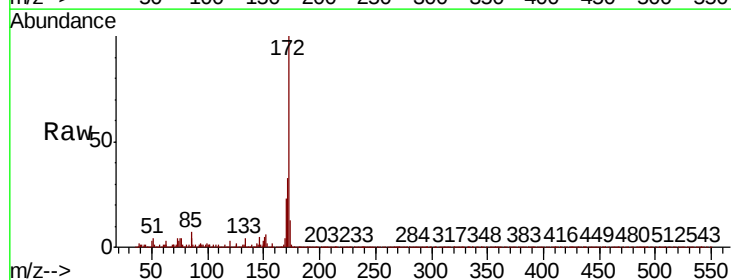
Instrument :  
 BNA\_P  
 ClientSampleId :  
 223-224

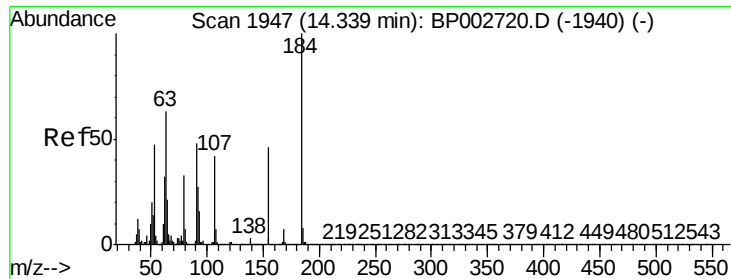
Tot Ion:330 Resp: 41683  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.5 114.7  
 141 37.4 28.8 43.2



#45  
 2-Fluorobiphenyl  
 Concen: 6.527 ng  
 RT: 12.82 min Scan# 1688  
 Delta R.T. -0.01 min  
 Lab File: BP002805.D  
 Acq: 20 Jul 2020 17:45

Tgt Ion:172 Resp: 173587  
 Ion Ratio Lower Upper  
 172 100  
 171 33.0 28.1 42.1  
 170 22.6 19.3 28.9

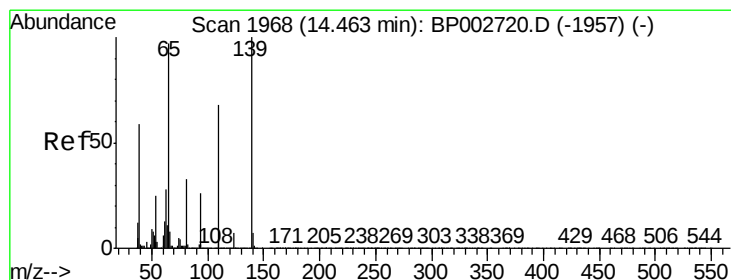
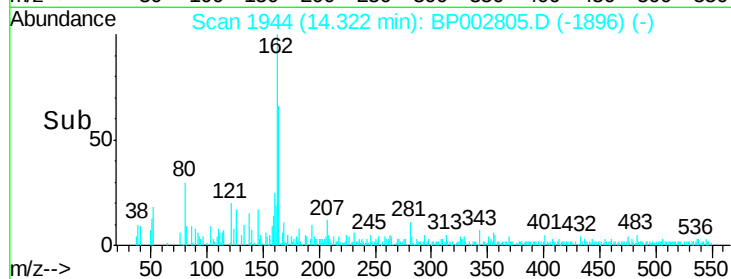
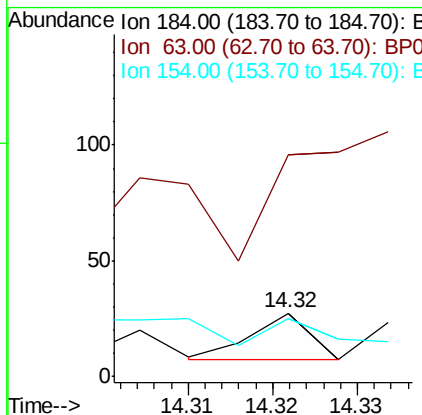
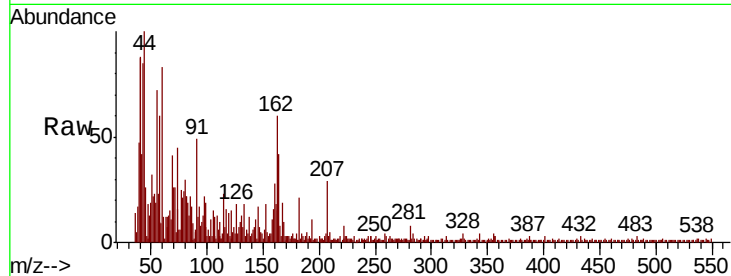




#54  
2,4-Dinitrophenol  
Concen: 11.376 ng  
RT: 14.32 min Scan# 1944  
Delta R.T. -0.02 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

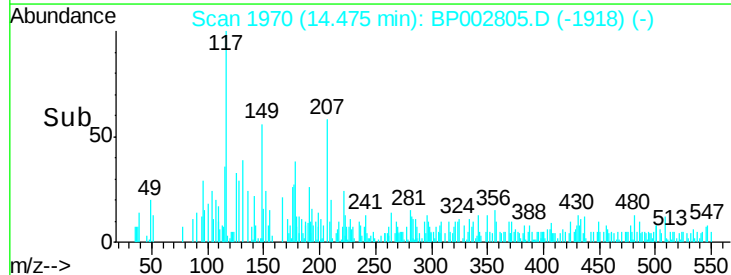
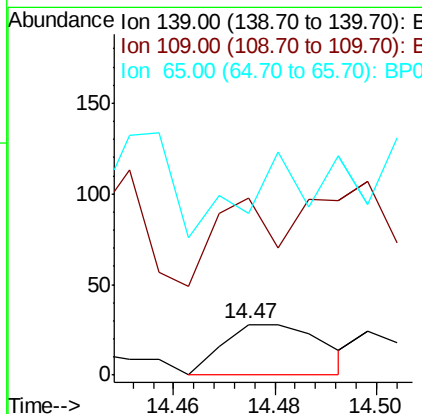
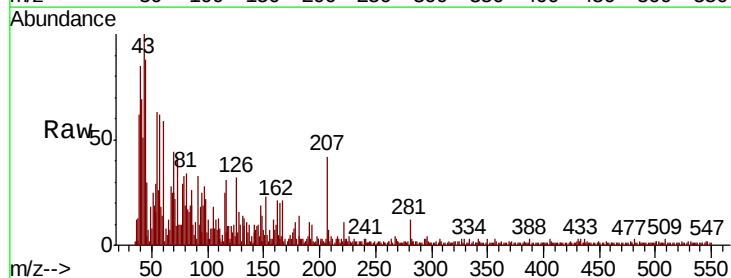
Instrument :  
BNA\_P  
ClientSampleId :  
223-224

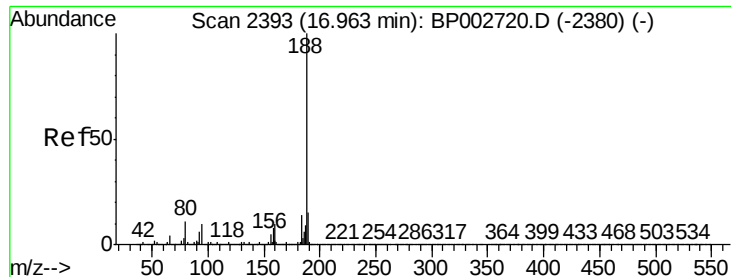
Tot Ion:184 Resp: 10  
Ion Ratio Lower Upper  
184 100  
63 355.6 51.6 77.4#  
154 92.6 45.0 67.6#



#56  
4-Nitrophenol  
Concen: 4.978 ng  
RT: 14.47 min Scan# 1970  
Delta R.T. 0.01 min  
Lab File: BP002805.D  
Acq: 20 Jul 2020 17:45

Tgt Ion:139 Resp: 38  
Ion Ratio Lower Upper  
139 100  
109 350.0 48.1 88.1#  
65 317.9 77.9 117.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

Instrument :

BNA\_P

ClientSampleId :

223-224

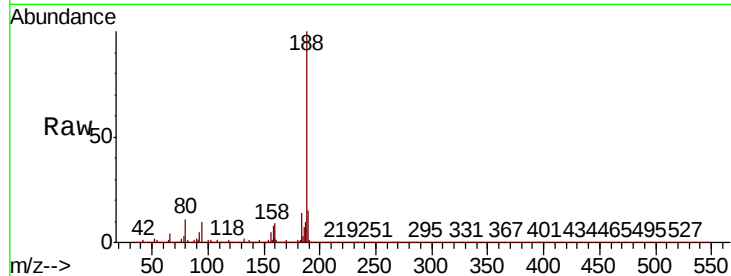
Tot Ion:188 Resp: 864472

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

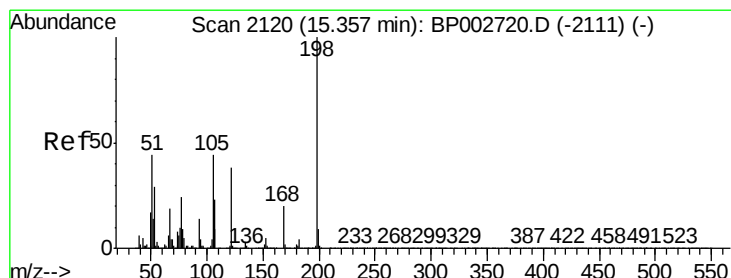
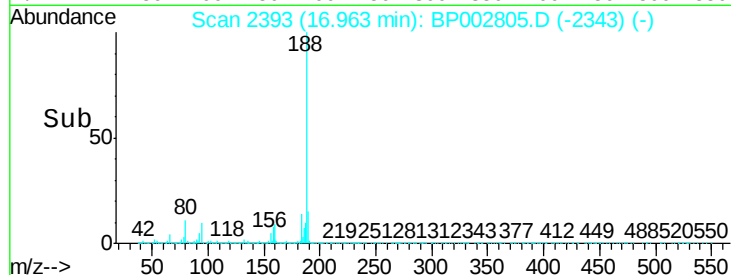
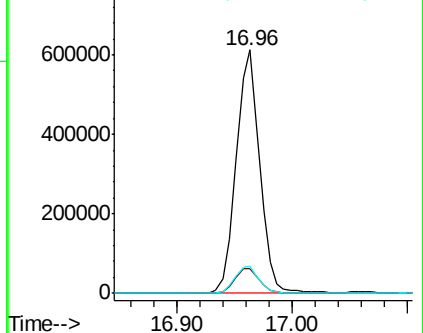
80 11.0 8.9 13.3



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: 5.271 ng

RT: 15.40 min Scan# 2128

Delta R.T. 0.04 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

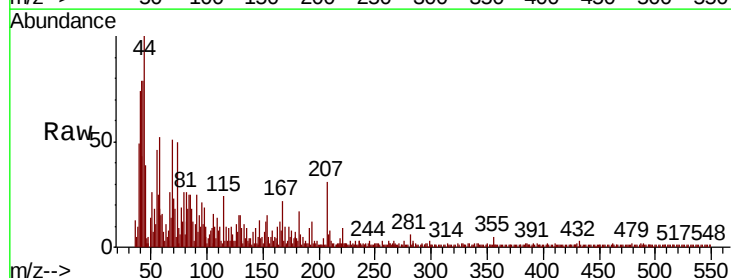
Tgt Ion:198 Resp: 27

Ion Ratio Lower Upper

198 100

51 822.2 27.1 67.1#

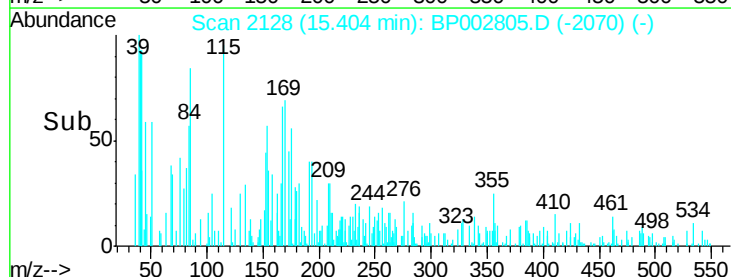
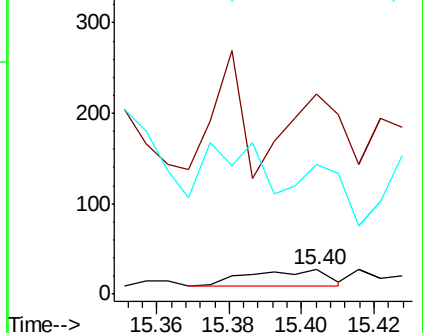
105 529.6 24.9 64.9#

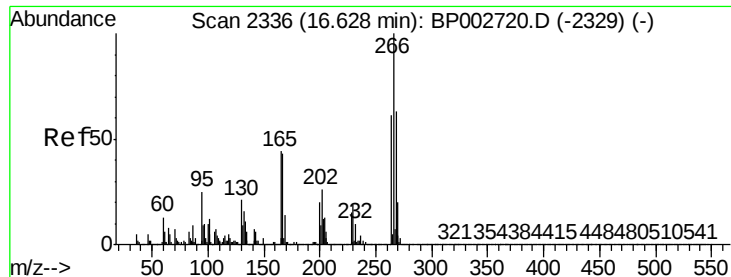


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 7.448 ng

RT: 16.63 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

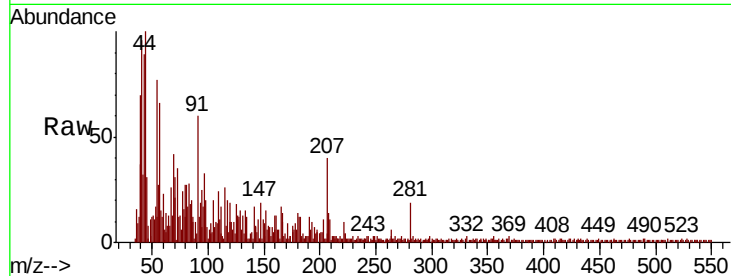
Instrument :

BNA\_P

ClientSampleId :

223-224

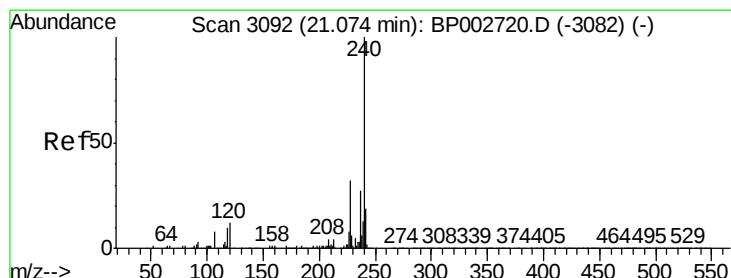
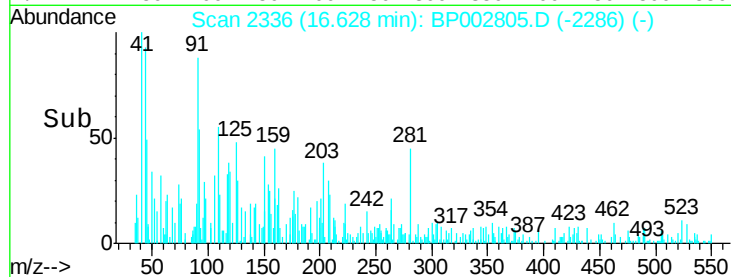
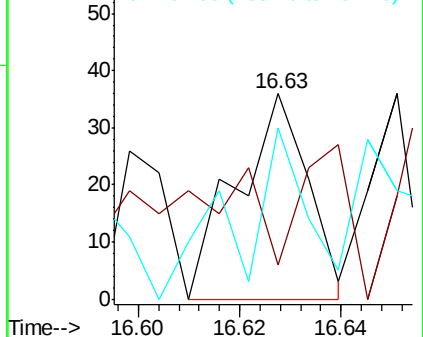
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 266   | Resp: | 35    |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 268      | 16.7  | 50.6  | 75.8# |
| 264      | 83.3  | 48.6  | 72.8# |



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

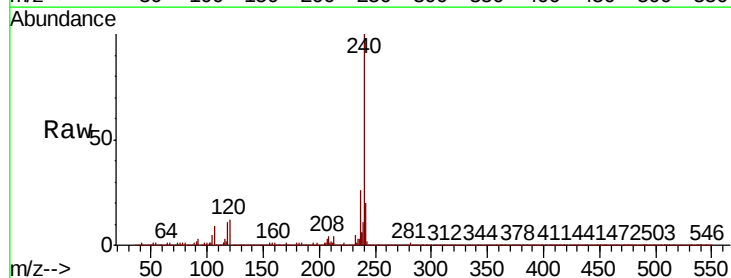
RT: 21.07 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

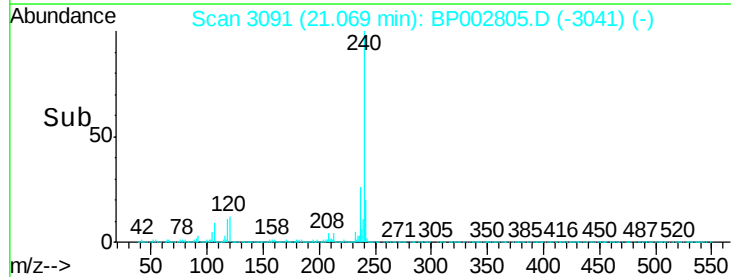
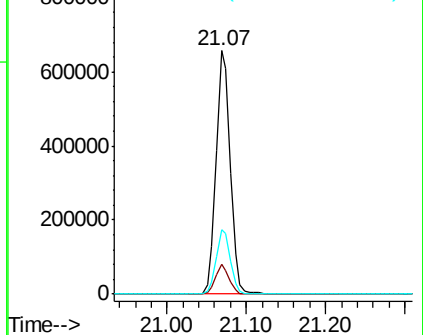
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 815625 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 12.1  | 9.4   | 14.2   |
| 236      | 26.3  | 21.3  | 31.9   |

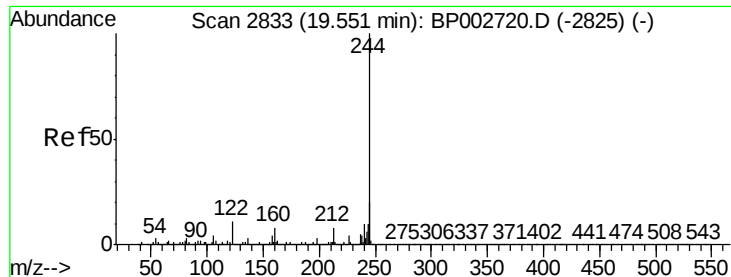


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 7.637 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

Instrument :

BNA\_P

ClientSampleId :

223-224

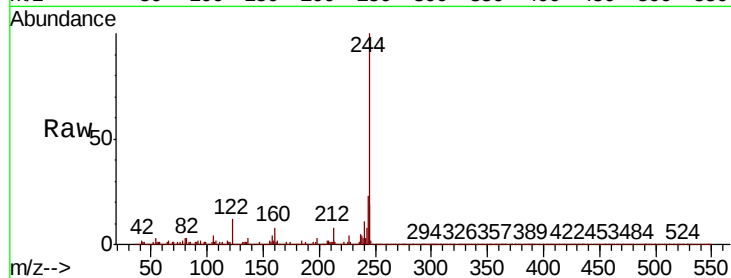
Tot Ion:244 Resp: 271684

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

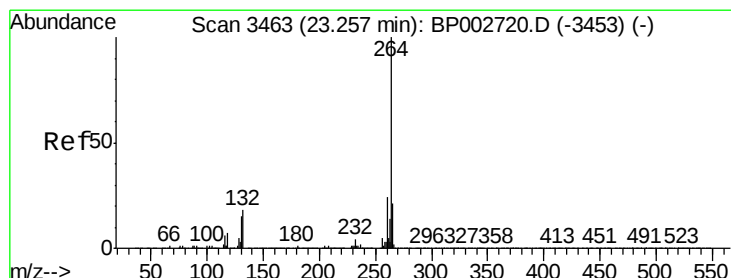
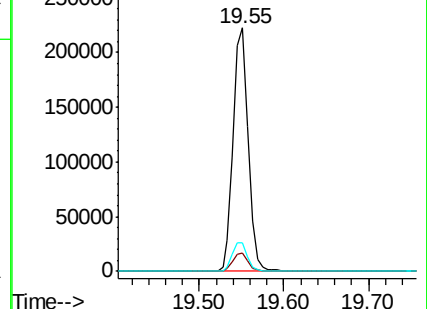
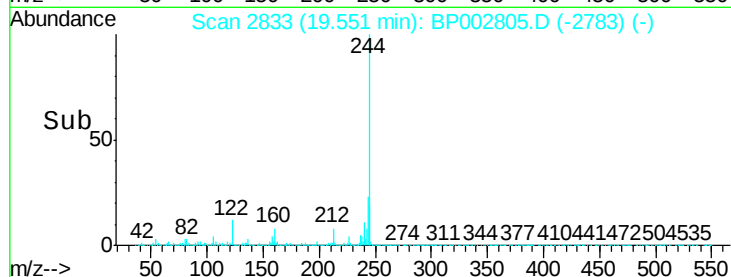
122 11.6 8.9 13.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002805.D

Acq: 20 Jul 2020 17:45

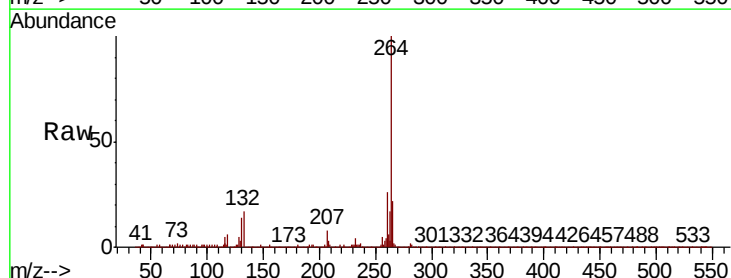
Tgt Ion:264 Resp: 724828

Ion Ratio Lower Upper

264 100

260 25.7 19.3 28.9

265 21.7 16.8 25.2



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

