

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
 Data File : BP002590.D  
 Acq On : 01 Jul 2020 05:51  
 Operator : CG/JU  
 Sample : PB129875BL  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129875BL

Quant Time: Jul 01 07:32:20 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

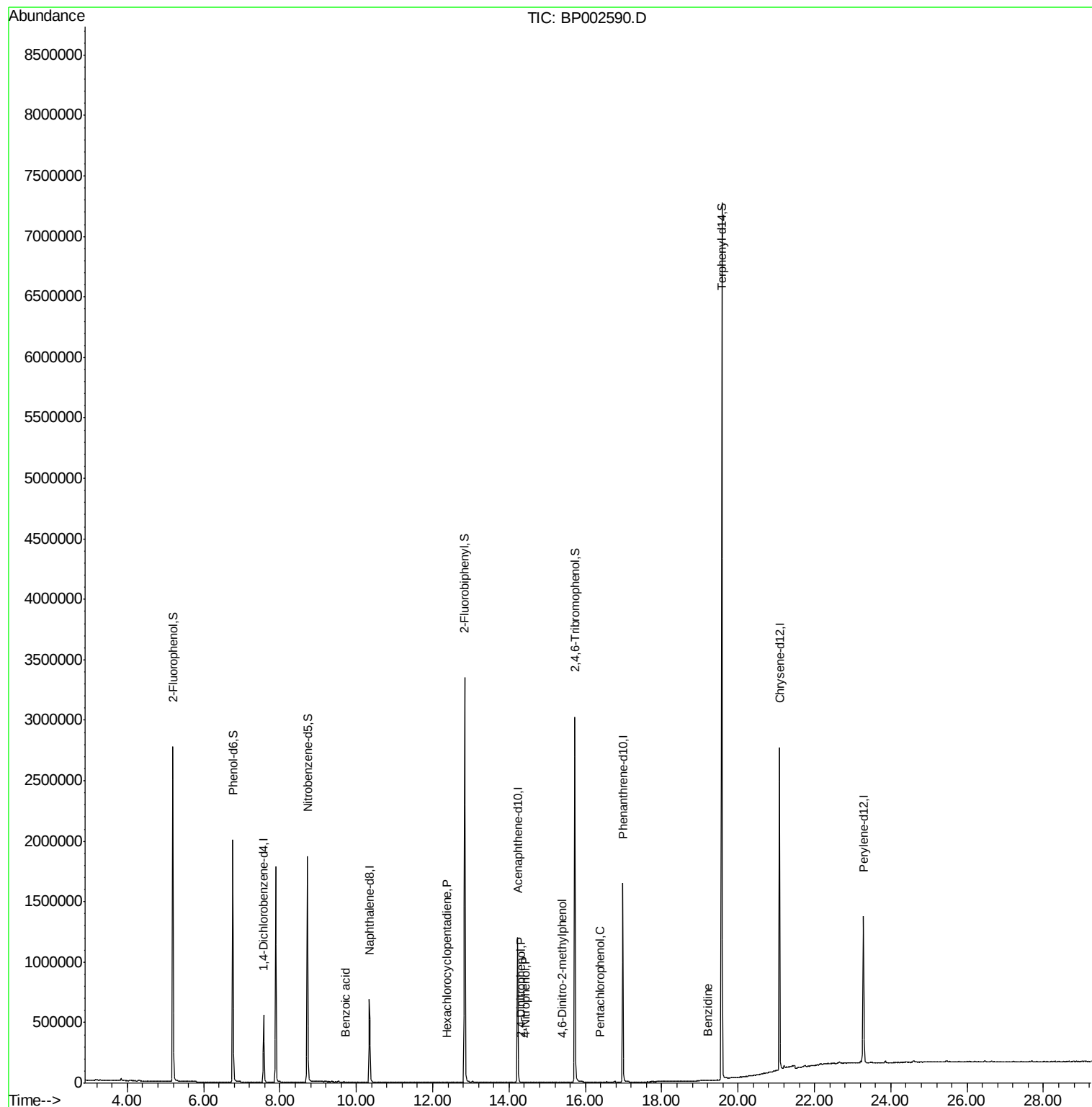
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.57  | 152  | 144928   | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8             | 10.34 | 136  | 595275   | 20.00  | ng    | 0.00       |
| 39) Acenaphthene-d10           | 14.22 | 164  | 410851   | 20.00  | ng    | 0.00       |
| 64) Phenanthrene-d10           | 16.98 | 188  | 996540   | 20.00  | ng    | 0.00       |
| 76) Chrysene-d12               | 21.09 | 240  | 1269436  | 20.00  | ng    | 0.00       |
| 86) Perylene-d12               | 23.28 | 264  | 827994   | 20.00  | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |        |       |            |
| 5) 2-Fluorophenol              | 5.19  | 112  | 1245253  | 145.48 | ng    | 0.00       |
| 7) Phenol-d6                   | 6.76  | 99   | 1161930  | 97.25  | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 8.72  | 82   | 1097225  | 94.97  | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol       | 15.72 | 330  | 551962   | 110.46 | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 12.83 | 172  | 1859692  | 66.62  | ng    | 0.00       |
| 79) Terphenyl-d14              | 19.57 | 244  | 3627788  | 61.69  | ng    | 0.00       |
| Target Compounds               |       |      |          |        |       |            |
| 32) Benzoic acid               | 9.72  | 122  | 37       | 8.704  | ng    | Qvalue # 1 |
| 41) Hexachlorocyclopentadiene  | 12.37 | 237  | 30       | 4.386  | ng    | 90         |
| 54) 2,4-Dinitrophenol          | 14.32 | 184  | 26       | 6.014  | ng    | # 77       |
| 56) 4-Nitrophenol              | 14.41 | 139  | 34       | 2.441  | ng    | 88         |
| 65) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 37       | 2.715  | ng    | # 1        |
| 70) Pentachlorophenol          | 16.37 | 266  | 8        | 2.663  | ng    | 97         |
| 77) Benzidine                  | 19.22 | 184  | 1788     | 3.786  | ng    | # 93       |

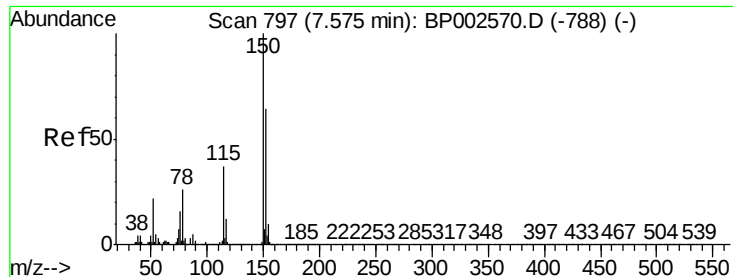
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002590.D  
Acq On : 01 Jul 2020 05:51  
Operator : CG/JU  
Sample : PB129875BL  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB129875BL

Quant Time: Jul 01 07:32:20 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



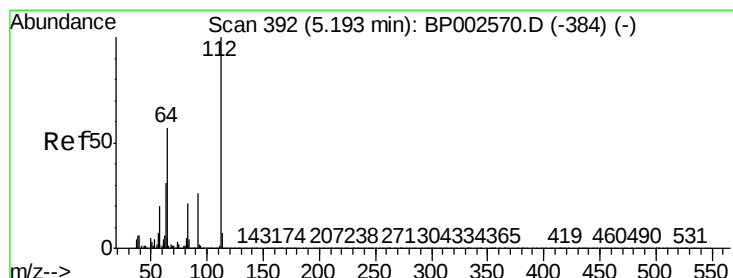
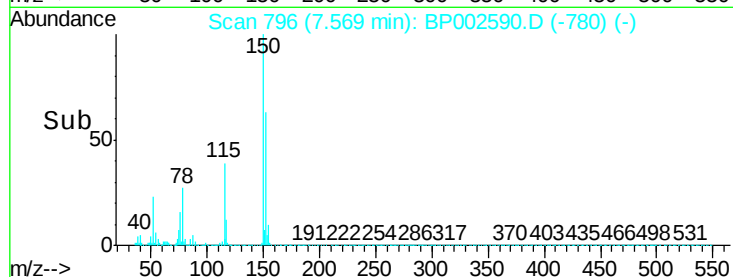
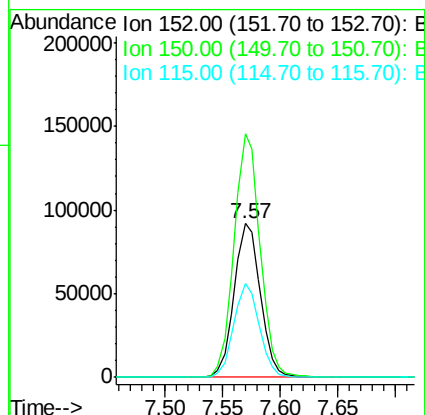
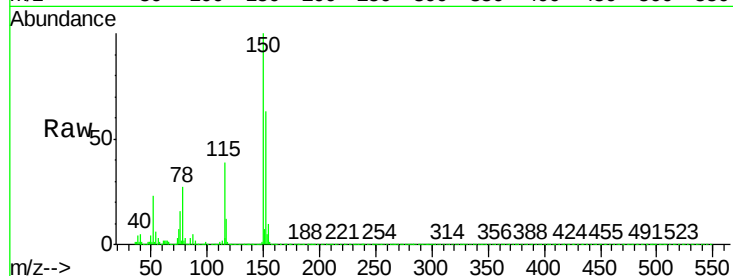


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.57 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

Instrument :  
BNA\_P  
ClientSampleId :  
PB129875BL

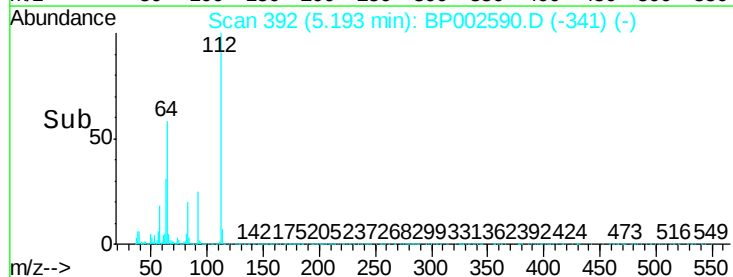
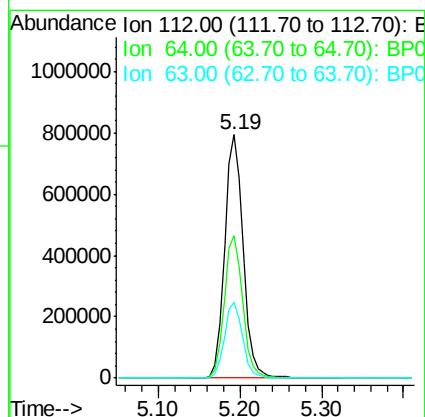
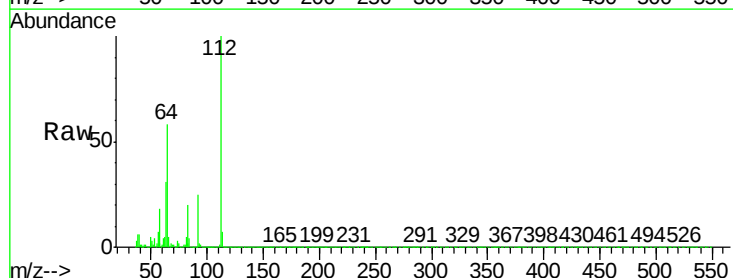
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.5 | 124.2 | 186.2 |
| 115     | 61.5  | 47.1  | 70.7  |

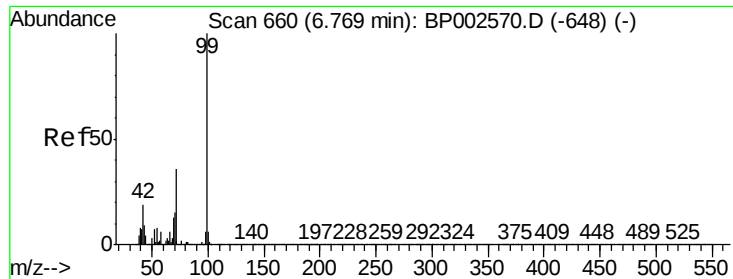


#5

2-Fluorophenol  
Concen: 145.476 ng  
RT: 5.19 min Scan# 392  
Delta R.T. -0.00 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 47.0  | 70.6  |
| 63      | 31.0  | 26.1  | 39.1  |





#7

Phenol-d6

Concen: 97.254 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

Instrument :

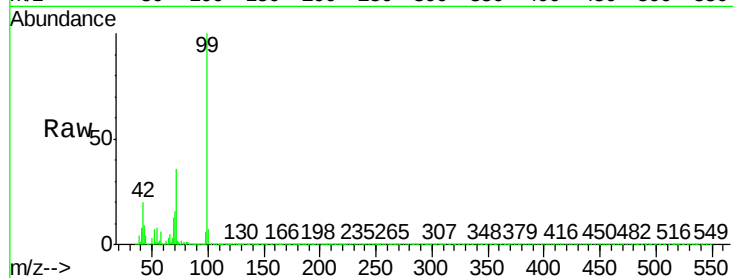
BNA\_P

ClientSampleId :

PB129875BL

Tot Ion: 99 Resp: 1161930

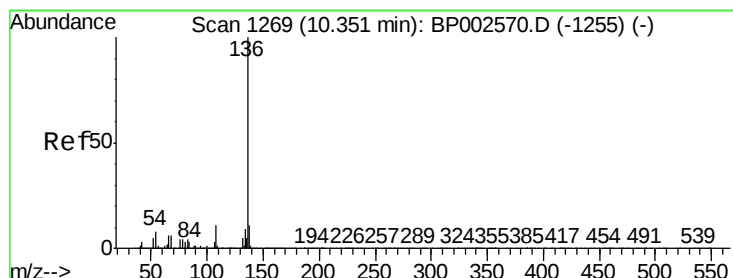
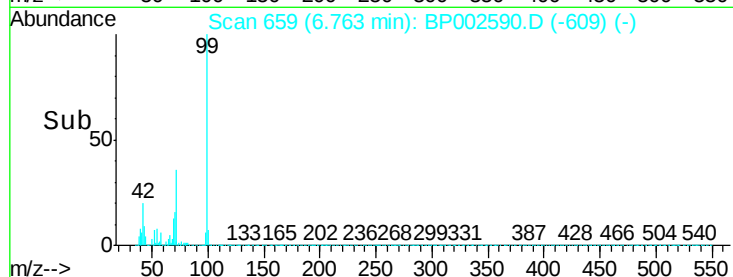
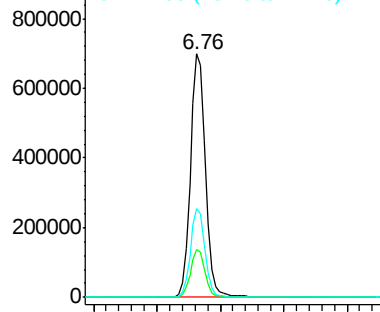
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.7  | 15.5  | 23.3  |
| 71  | 36.3  | 28.9  | 43.3  |



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

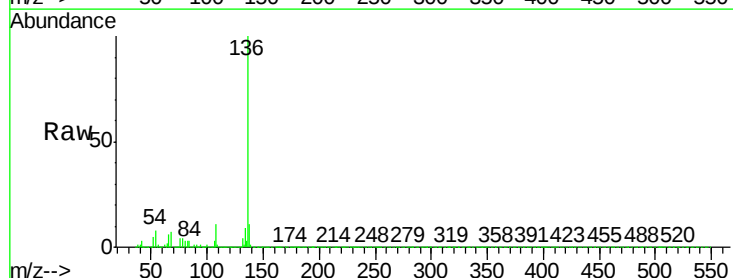
Delta R.T. -0.01 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

Tgt Ion: 136 Resp: 595275

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 8.2   | 6.4   | 9.6   |
| 68  | 6.6   | 5.1   | 7.7   |

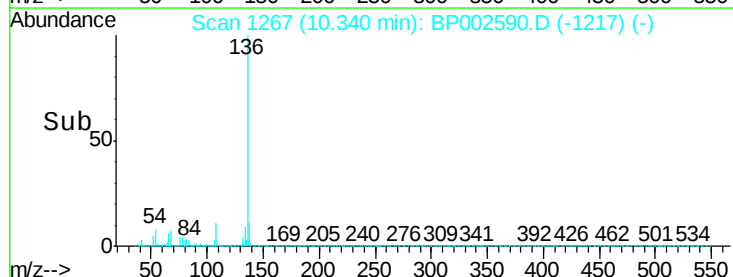
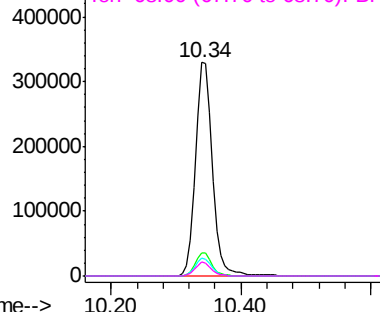


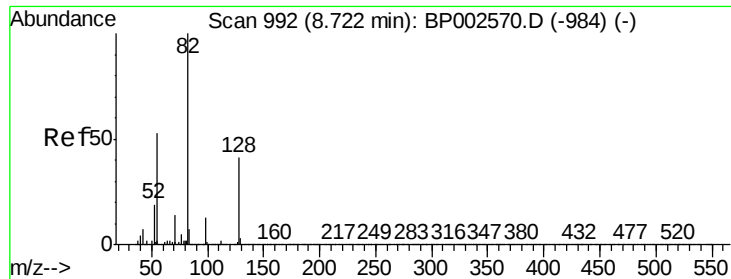
Abundance Ion 136.00 (135.70 to 136.70): E

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

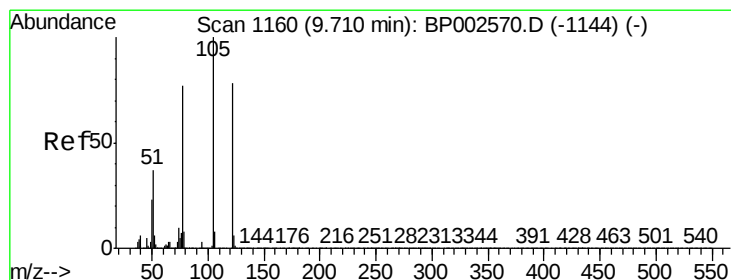
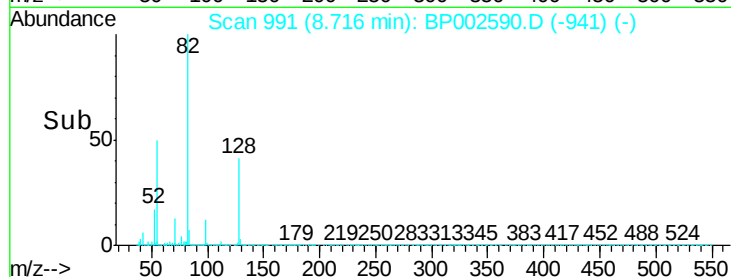
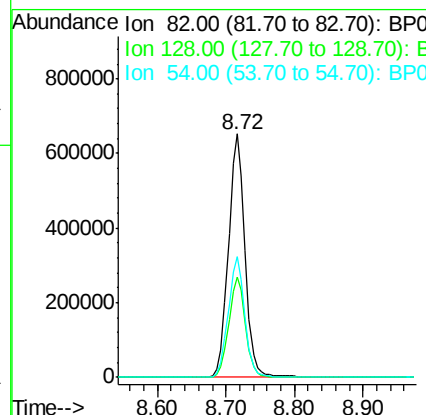
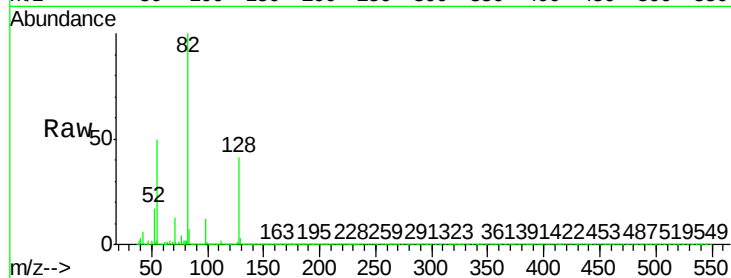




#23  
Nitrobenzene-d5  
Concen: 94.973 ng  
RT: 8.72 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

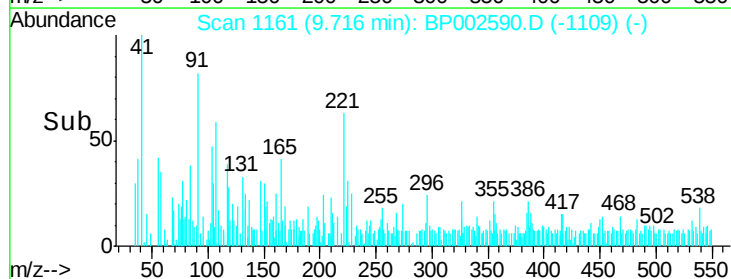
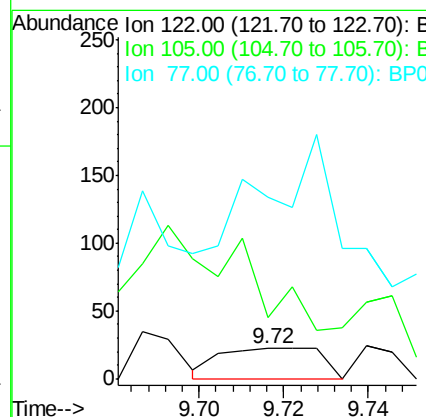
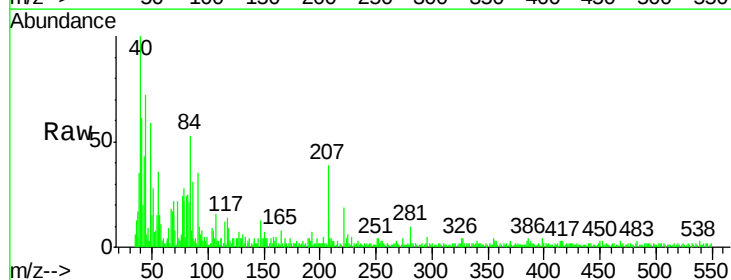
Instrument :  
BNA\_P  
ClientSampleId :  
PB129875BL

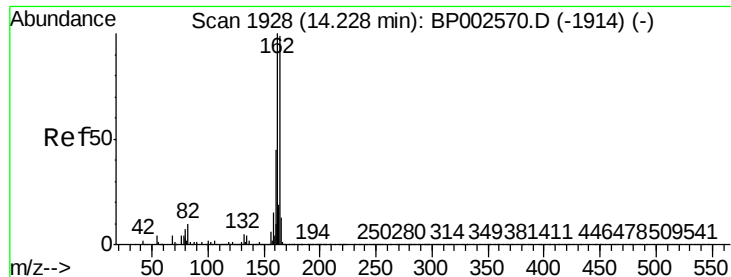
Tot Ion: 82 Resp: 1097225  
Ion Ratio Lower Upper  
82 100  
128 41.2 33.4 50.2  
54 49.5 40.1 60.1



#32  
Benzoic acid  
Concen: 8.704 ng  
RT: 9.72 min Scan# 1161  
Delta R.T. 0.01 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

Tgt Ion: 122 Resp: 37  
Ion Ratio Lower Upper  
122 100  
105 204.5 106.6 146.6#  
77 609.1 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

Instrument :

BNA\_P

ClientSampleId :

PB129875BL

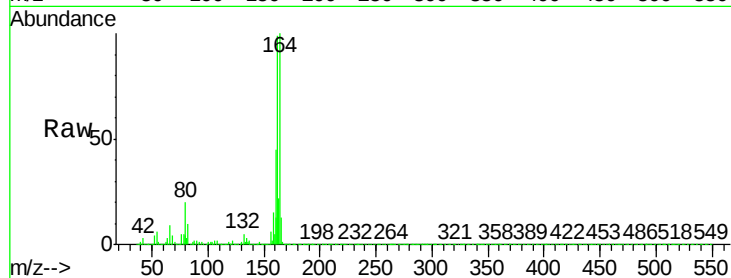
Tot Ion:164 Resp: 410851

Ion Ratio Lower Upper

164 100

162 99.1 80.3 120.5

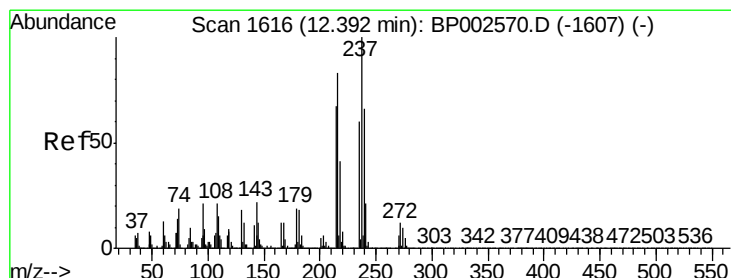
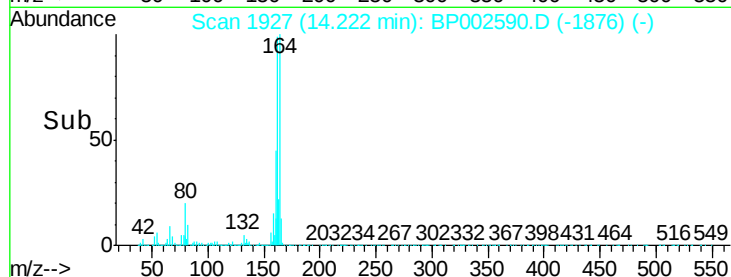
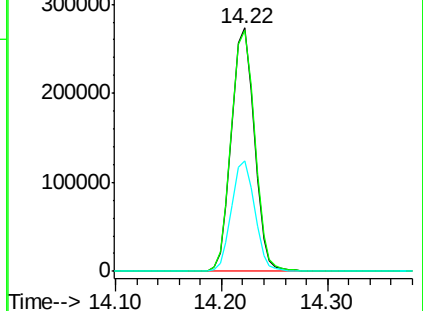
160 45.2 35.0 52.6



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: 4.386 ng

RT: 12.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

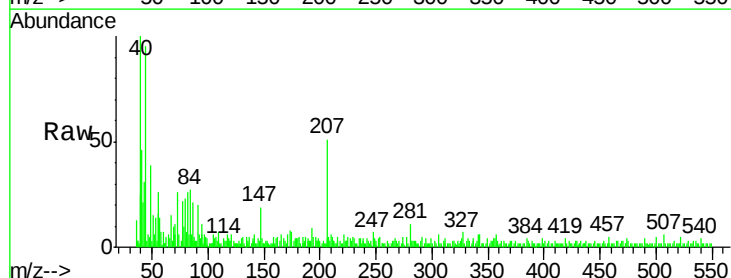
Tgt Ion:237 Resp: 30

Ion Ratio Lower Upper

237 100

235 63.6 45.4 85.4

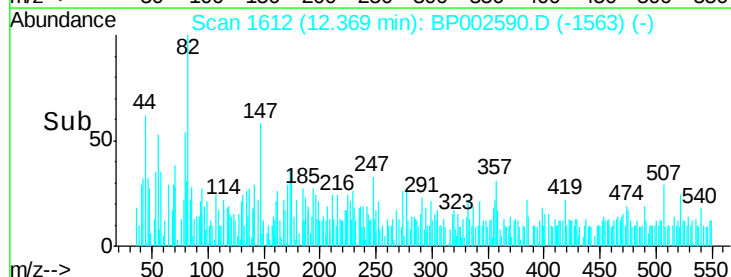
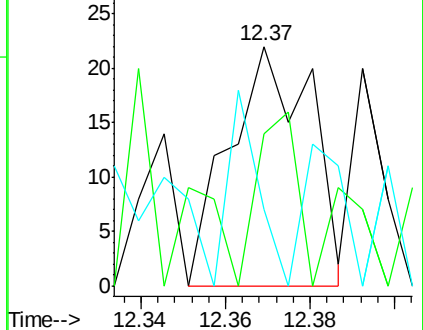
272 31.8 0.0 32.6

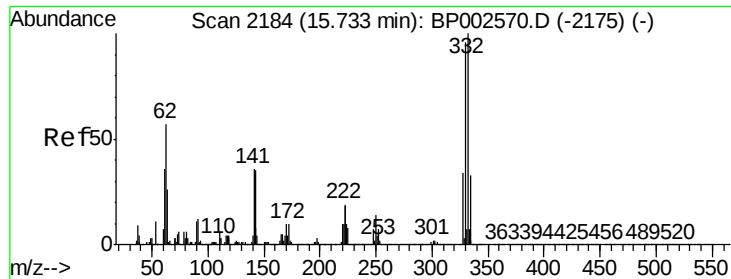


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

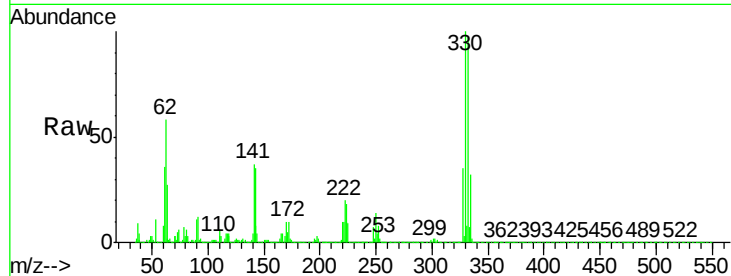




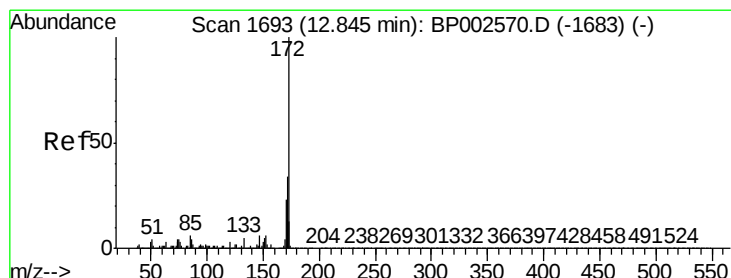
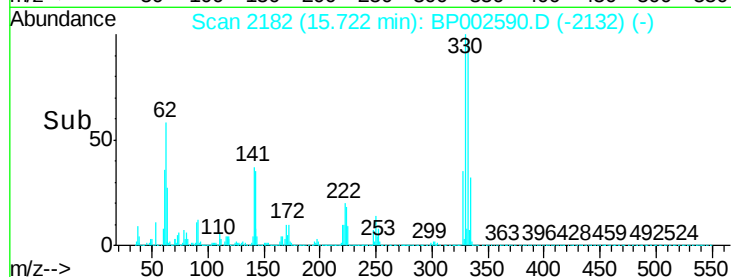
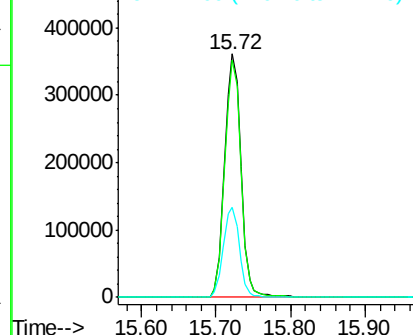
#42  
 2,4,6-Tribromophenol  
 Concen: 110.456 ng  
 RT: 15.72 min Scan# 2182  
 Delta R.T. -0.01 min  
 Lab File: BP002590.D  
 Acq: 01 Jul 2020 05:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129875BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 77.7  | 116.5 |
| 141     | 36.9  | 29.0  | 43.6  |

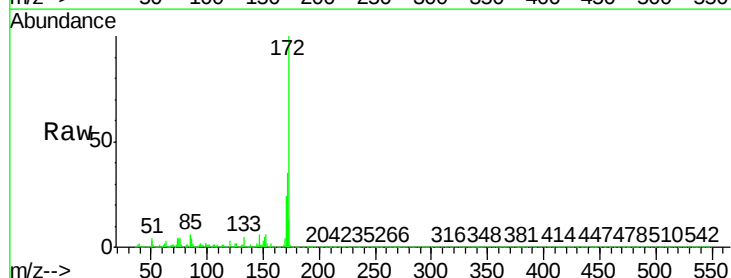


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

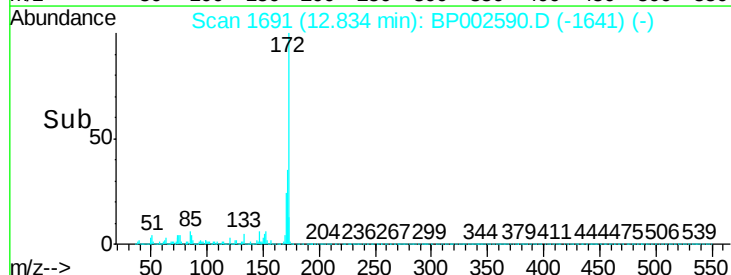
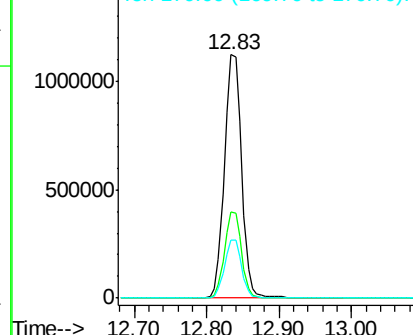


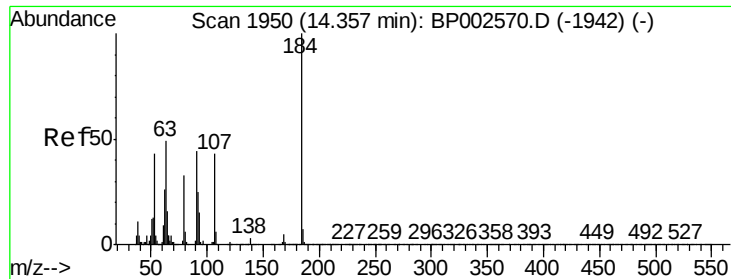
#45  
 2-Fluorobiphenyl  
 Concen: 66.622 ng  
 RT: 12.83 min Scan# 1691  
 Delta R.T. -0.01 min  
 Lab File: BP002590.D  
 Acq: 01 Jul 2020 05:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.0  | 42.0  |
| 170     | 23.6  | 19.0  | 28.4  |



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





#54

2,4-Dinitrophenol

Concen: 6.014 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

Instrument :

BNA\_P

ClientSampleId :

PB129875BL

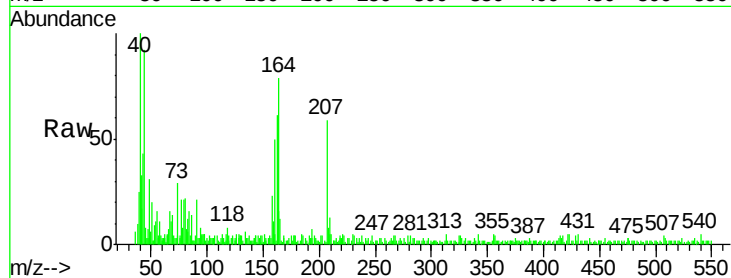
Tot Ion:184 Resp: 26

Ion Ratio Lower Upper

184 100

63 95.7 56.2 84.2#

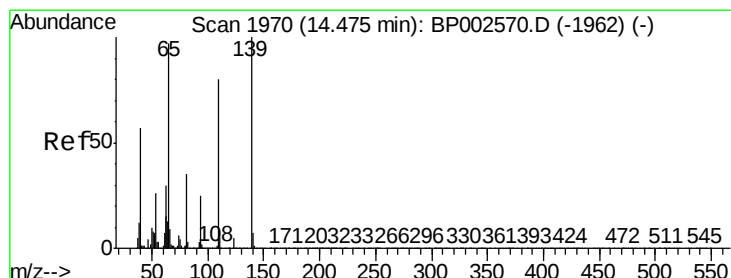
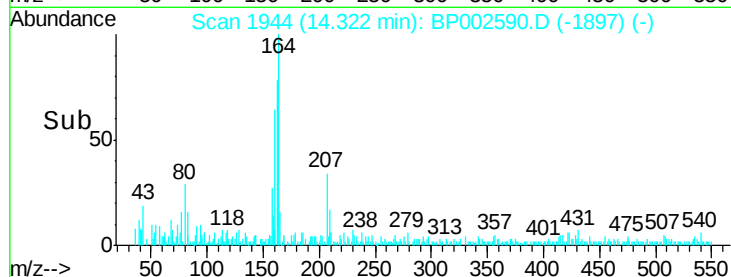
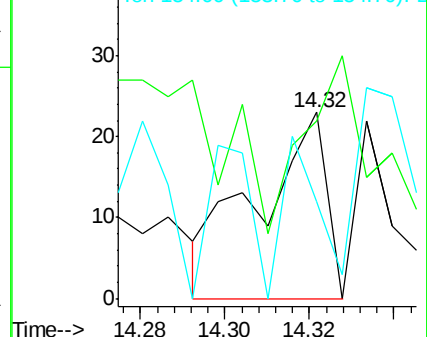
154 52.2 50.9 76.3



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



#56

4-Nitrophenol

Concen: 2.441 ng

RT: 14.41 min Scan# 1959

Delta R.T. -0.05 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

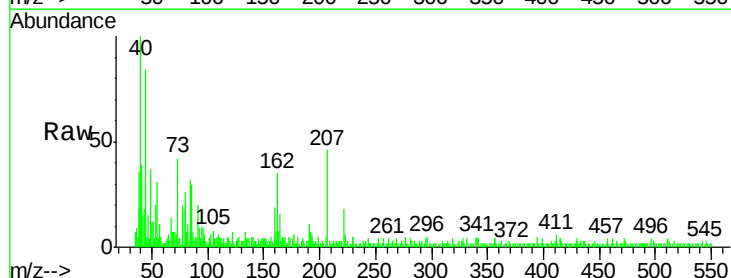
Tgt Ion:139 Resp: 34

Ion Ratio Lower Upper

139 100

109 77.4 60.1 100.1

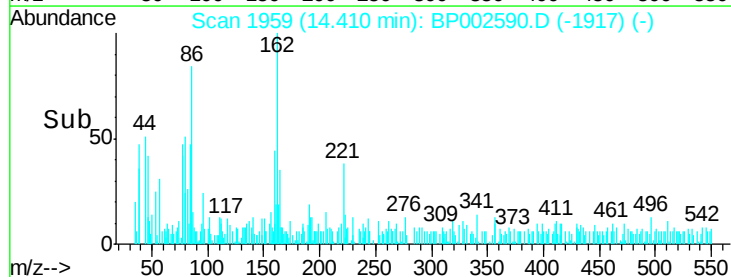
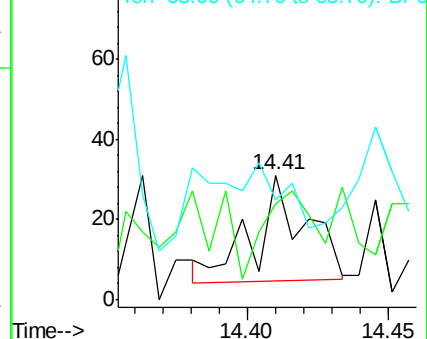
65 80.6 80.3 120.3

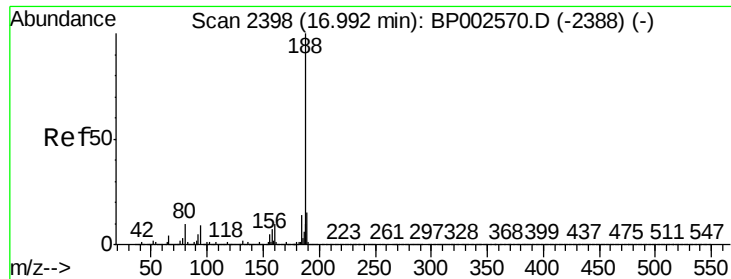


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0

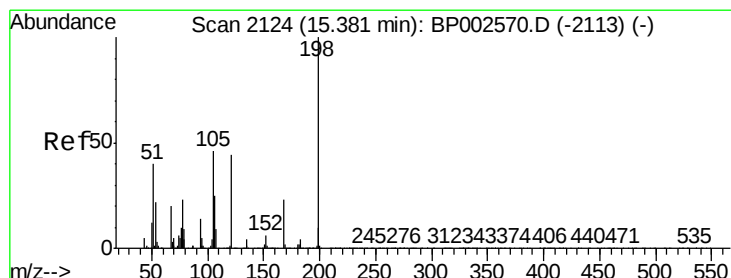
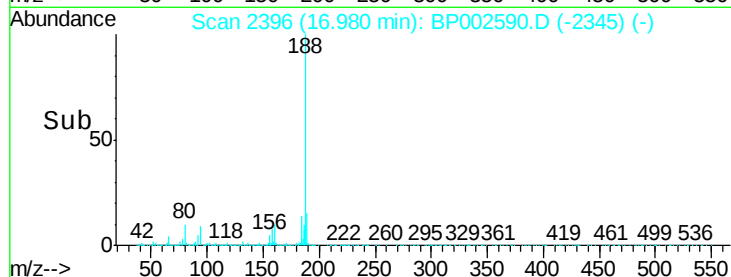
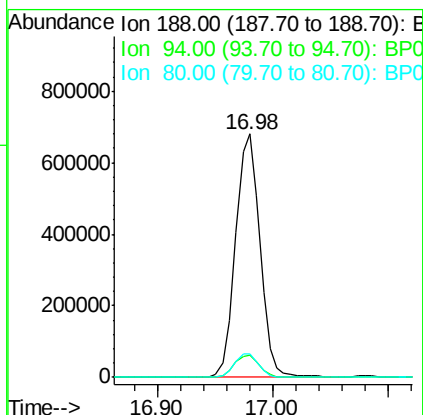
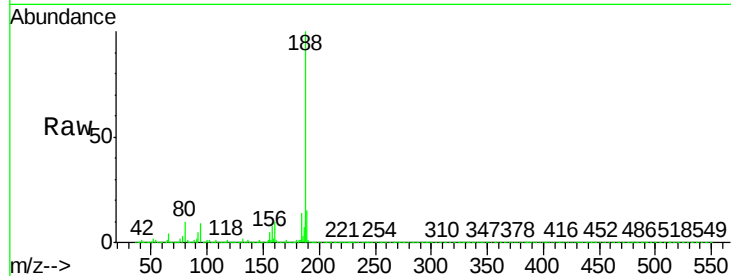




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.98 min Scan# 2396  
Delta R.T. -0.00 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

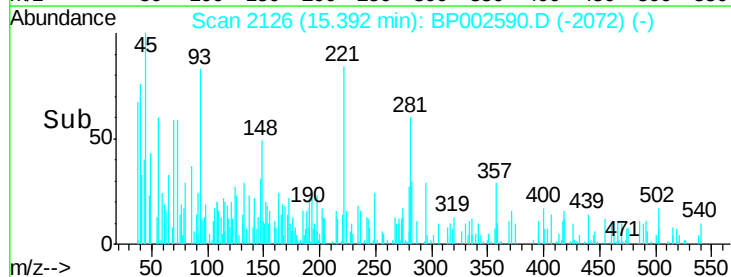
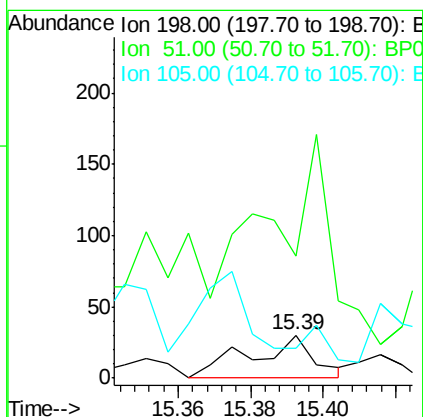
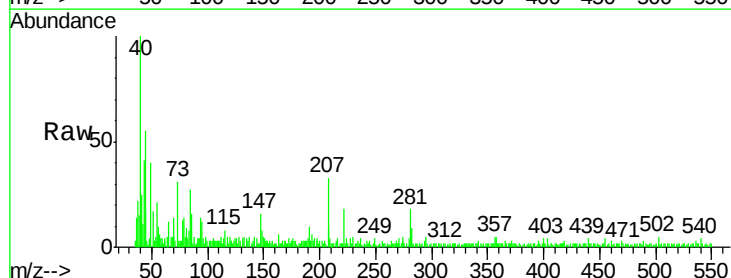
Instrument :  
BNA\_P  
ClientSampleId :  
PB129875BL

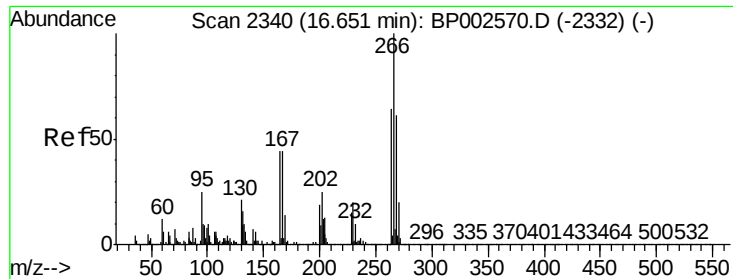
Tot Ion:188 Resp: 996540  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.8 11.6  
80 9.8 8.2 12.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.715 ng  
RT: 15.39 min Scan# 2126  
Delta R.T. 0.02 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

Tgt Ion:198 Resp: 37  
Ion Ratio Lower Upper  
198 100  
51 286.7 24.2 64.2#  
105 113.3 20.7 60.7#

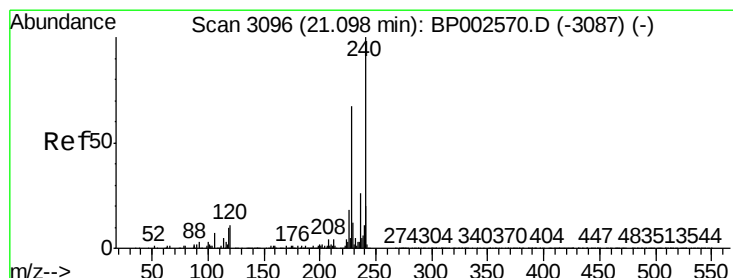
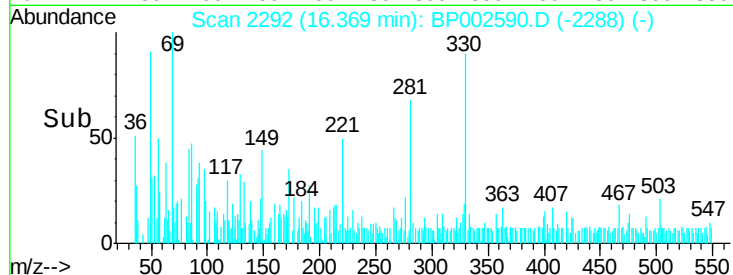
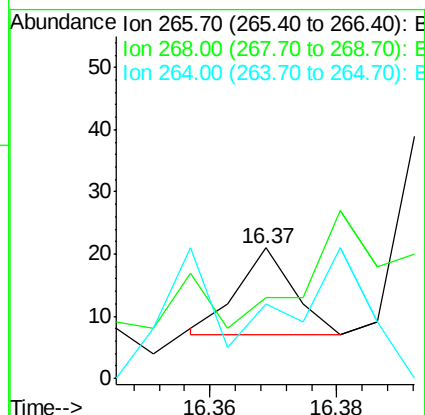
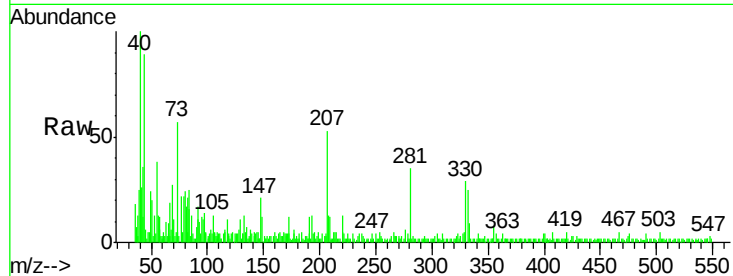




#70  
 Pentachlorophenol  
 Concen: 2.663 ng  
 RT: 16.37 min Scan# 2292  
 Delta R.T. -0.28 min  
 Lab File: BP002590.D  
 Acq: 01 Jul 2020 05:51

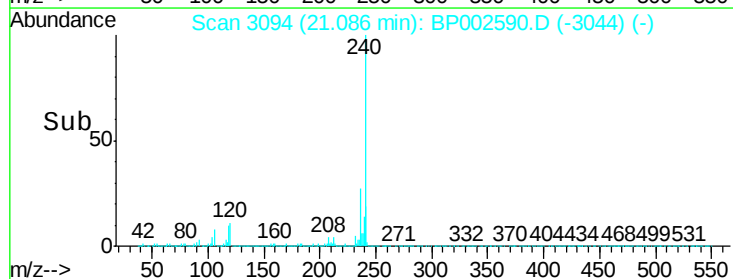
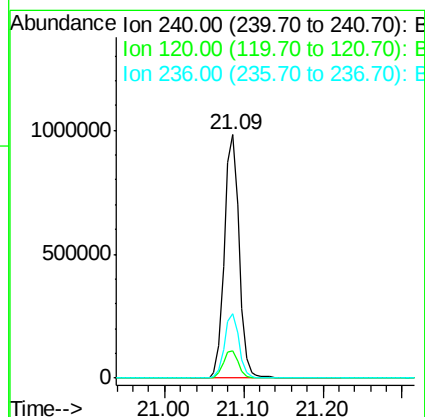
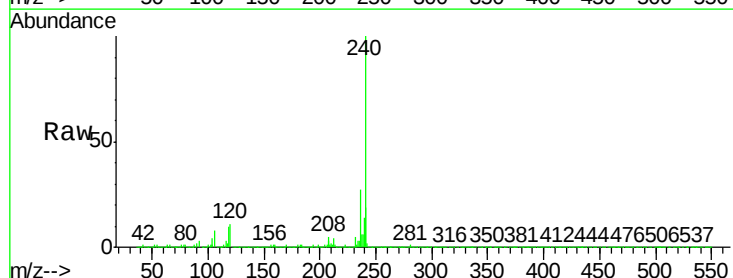
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129875BL

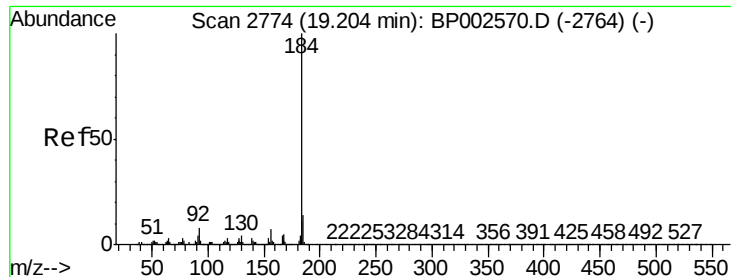
Tot Ion:266 Resp: 8  
 Ion Ratio Lower Upper  
 266 100  
 268 61.9 49.7 74.5  
 264 57.1 49.3 73.9



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.09 min Scan# 3094  
 Delta R.T. -0.01 min  
 Lab File: BP002590.D  
 Acq: 01 Jul 2020 05:51

Tgt Ion:240 Resp: 1269436  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 8.6 13.0  
 236 26.7 20.8 31.2





#77

Benzidine

Concen: 3.786 ng

RT: 19.22 min Scan# 2776

Delta R.T. 0.02 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

Instrument :

BNA\_P

ClientSampleId :

PB129875BL

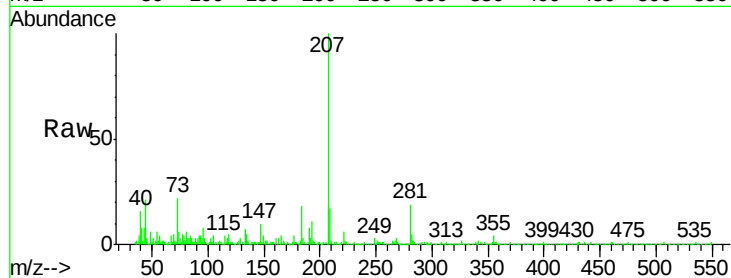
Tot Ion:184 Resp: 1788

Ion Ratio Lower Upper

184 100

185 18.8 11.4 17.2#

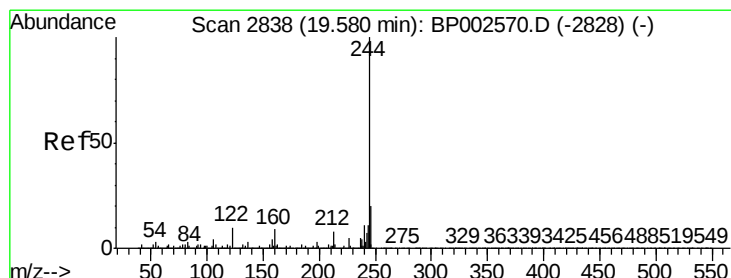
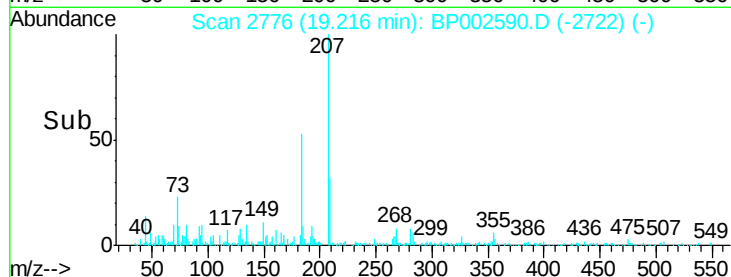
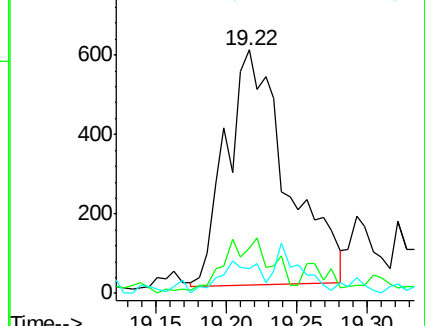
183 10.4 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 61.685 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BP002590.D

Acq: 01 Jul 2020 05:51

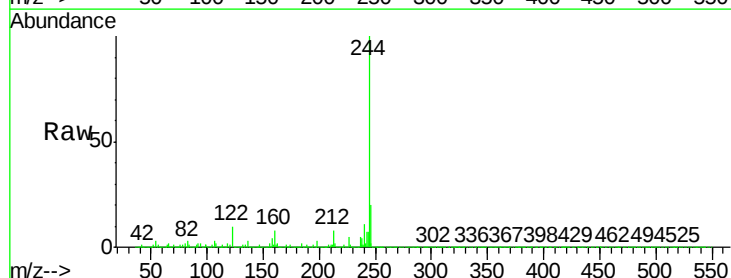
Tgt Ion:244 Resp: 3627788

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

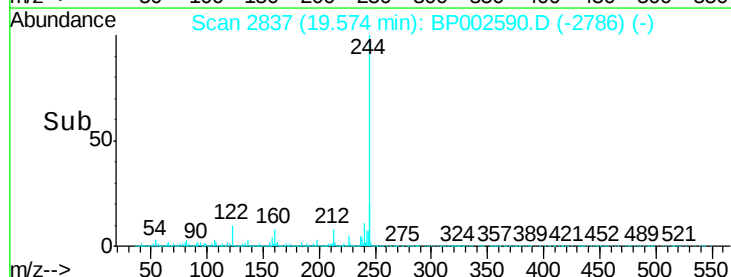
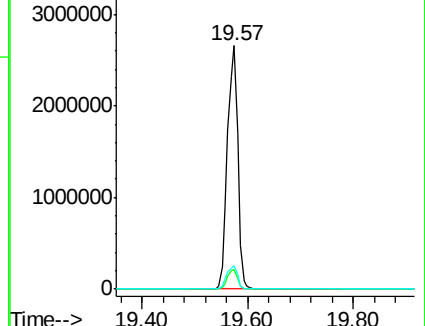
122 9.9 7.9 11.9

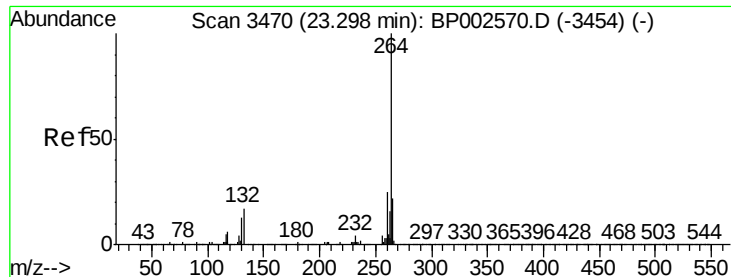


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.28 min Scan# 3467  
Delta R.T. -0.01 min  
Lab File: BP002590.D  
Acq: 01 Jul 2020 05:51

Instrument :  
BNA\_P  
ClientSampleId :  
PB129875BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.7  | 29.5  |
| 265     | 21.6  | 17.6  | 26.4  |

