

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\  
 Data File : BP000465.D  
 Acq On : 27 Sep 2019 18:20  
 Operator : JU  
 Sample : K5019-02DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 QNWP8-MW30D-GWDL

Quant Time: Sep 28 00:01:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 2019  
 Response via : Initial Calibration

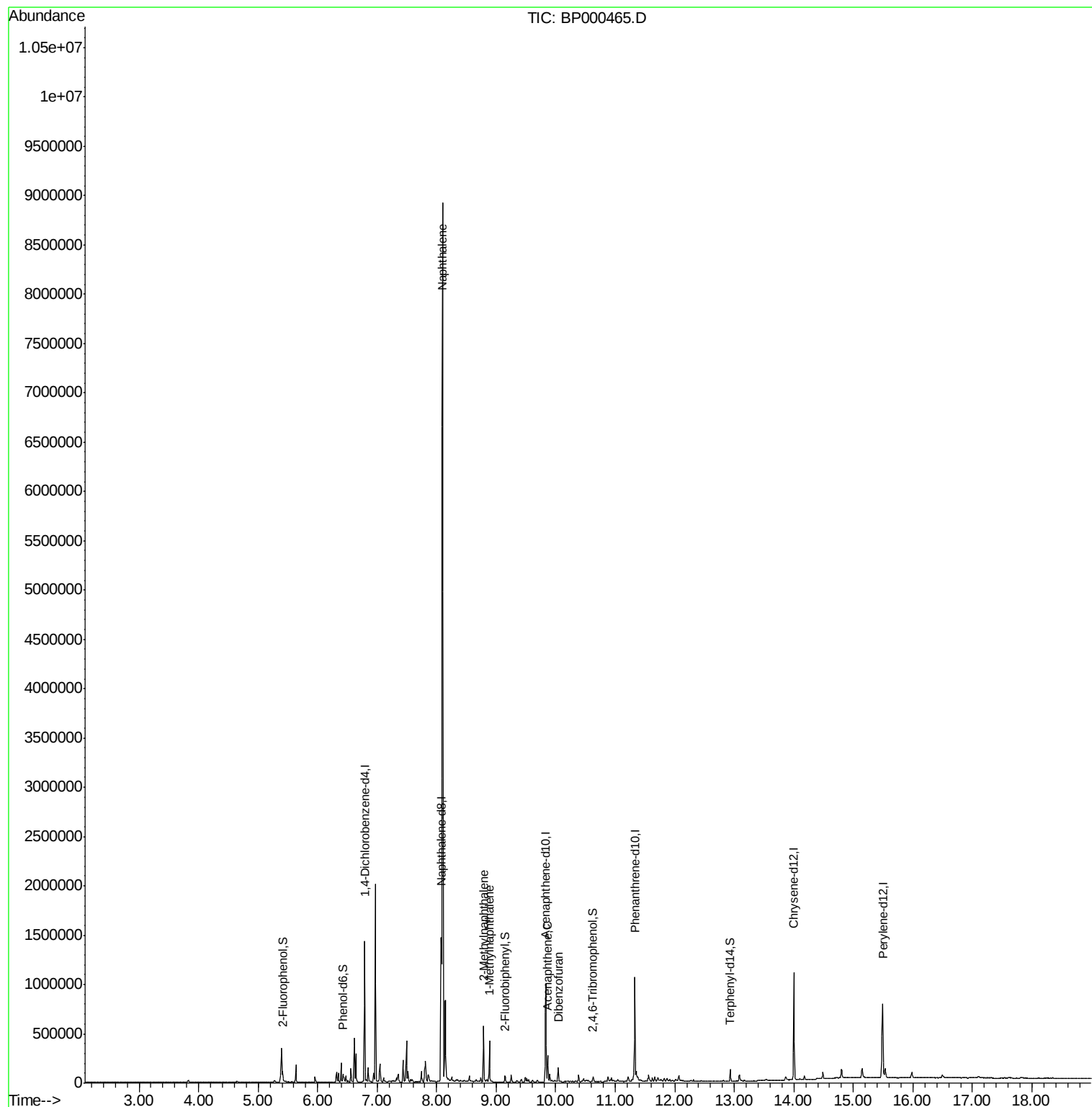
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 204528   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 760049   | 20.00   | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 195441   | 20.00   | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 369959   | 20.00   | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 346406   | 20.00   | ng    | 0.00     |
| 87) Perylene-d12            | 15.49 | 264  | 387029   | 20.00   | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 38661    | 3.26    | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 37719    | 2.60    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 19556    | 1.66    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 5472     | 2.82    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 23198    | 2.14    | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.93 | 244  | 40241    | 2.44    | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 31) Naphthalene             | 8.10  | 128  | 4409749  | 125.275 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.79  | 142  | 141728   | 5.890   | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.89  | 142  | 112906   | 5.009   | ng    | 99       |
| 52) Acenaphthene            | 9.86  | 154  | 50347    | 4.680   | ng    | 98       |
| 55) Dibenzofuran            | 10.04 | 168  | 58830    | 3.868   | ng    | 99       |

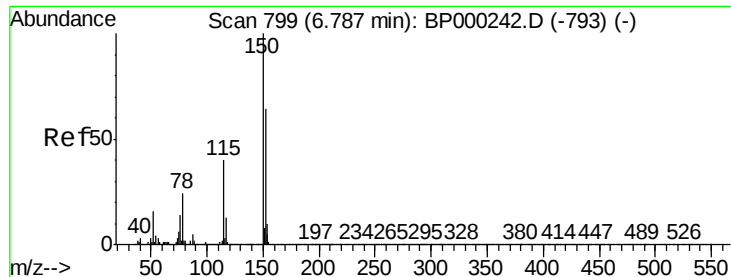
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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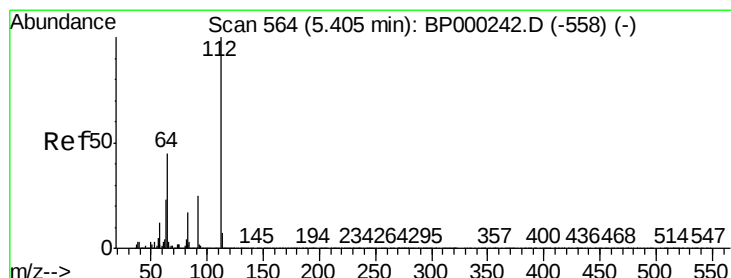
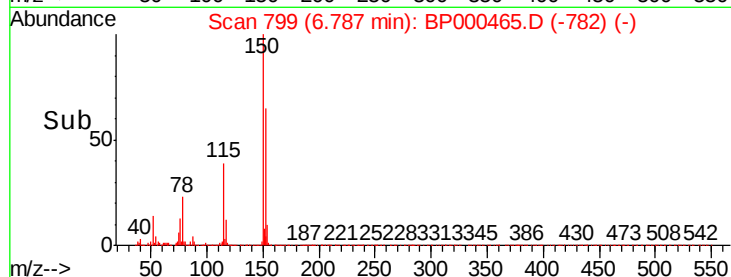
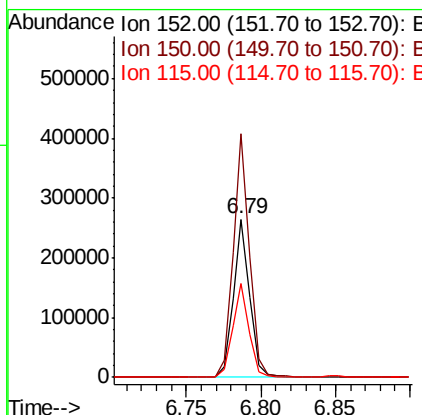
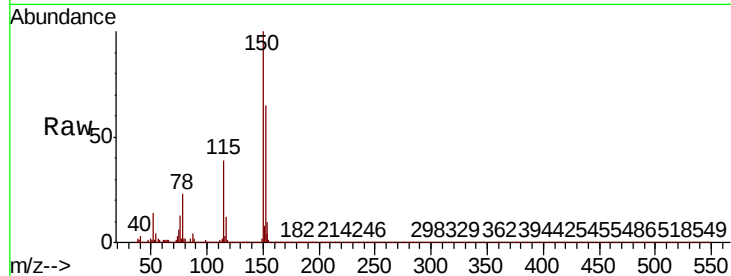


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

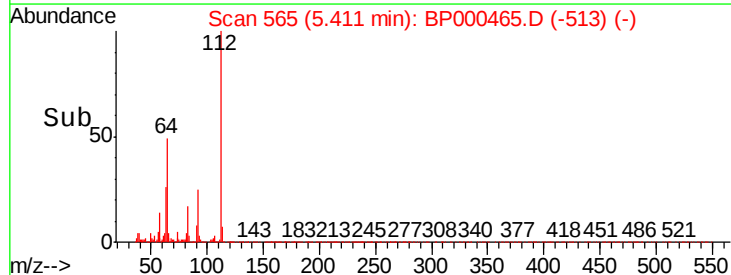
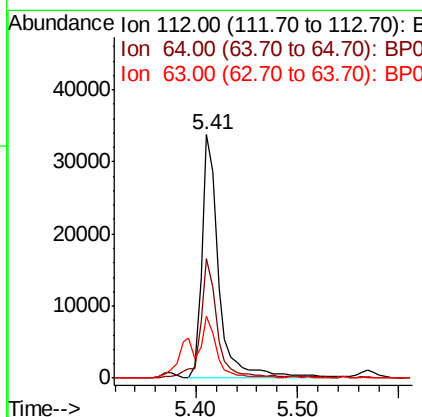
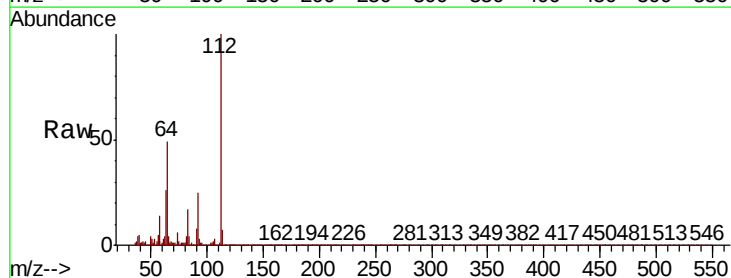
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 125.2 | 187.8 |
| 115     | 59.7  | 49.7  | 74.5  |

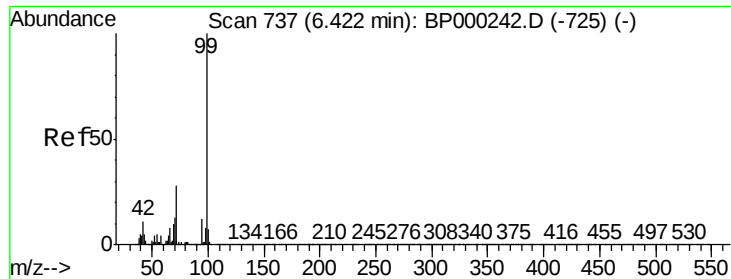


#5

2-Fluorophenol  
Concen: 3.263 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.1  | 36.2  | 54.4  |
| 63      | 25.6  | 18.3  | 27.5  |





#7

Phenol-d6

Concen: 2.597 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

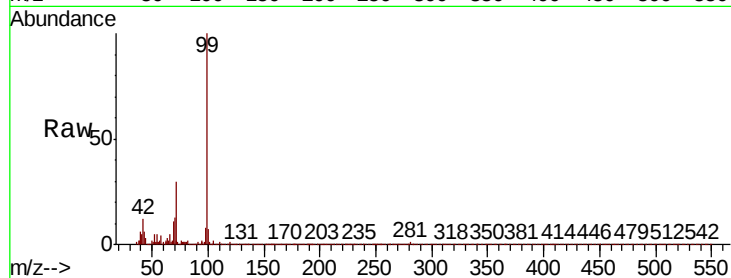
BNA\_P

ClientSampleId :

QNWP8-MW30D-GWDL

Tot Ion: 99 Resp: 37719

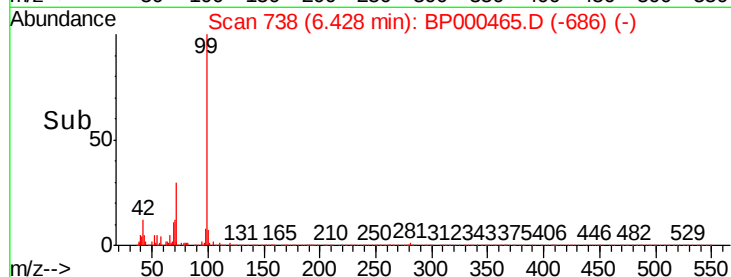
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.3  | 8.5   | 12.7  |
| 71  | 30.1  | 22.6  | 34.0  |



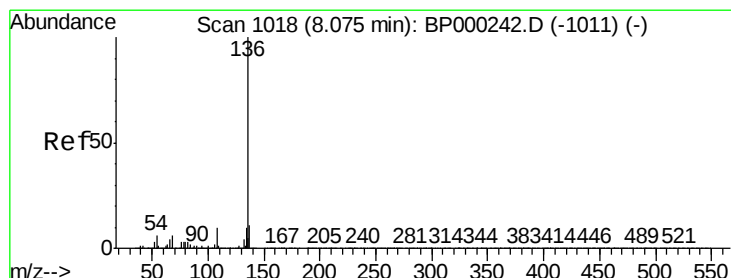
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1018

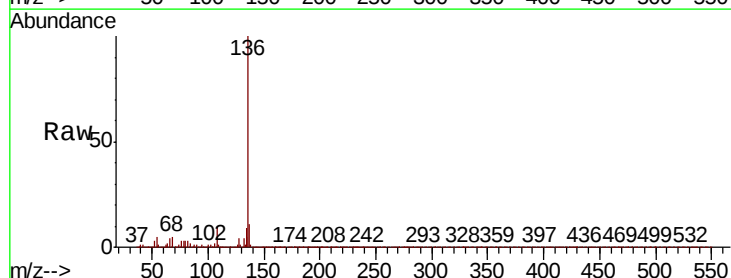
Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Tgt Ion: 136 Resp: 760049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 13.0  |
| 54  | 5.3   | 4.5   | 6.7   |
| 68  | 5.4   | 4.5   | 6.7   |

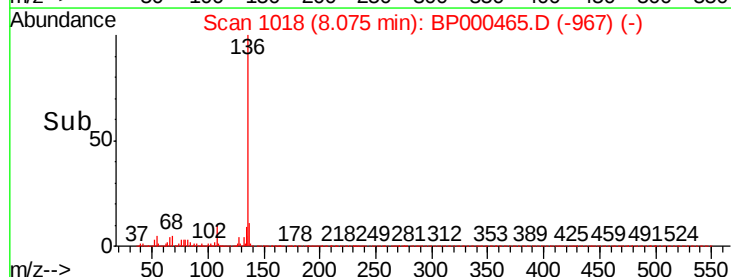


Abundance Ion 136.00 (135.70 to 136.70): E

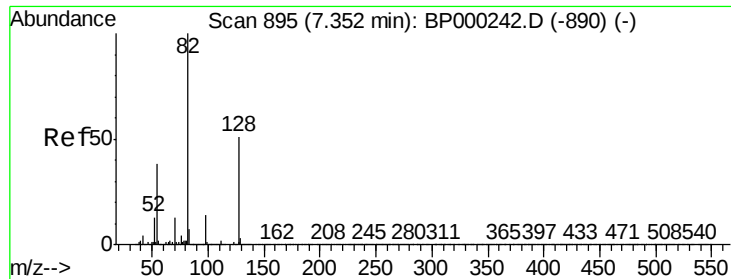
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



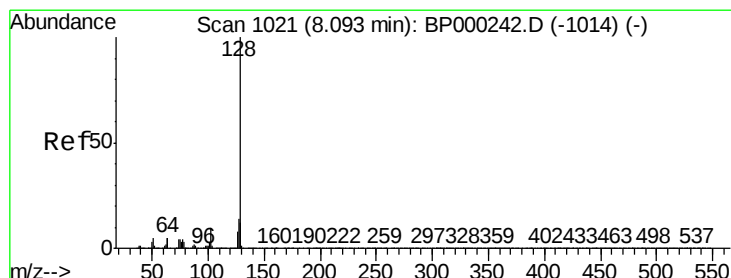
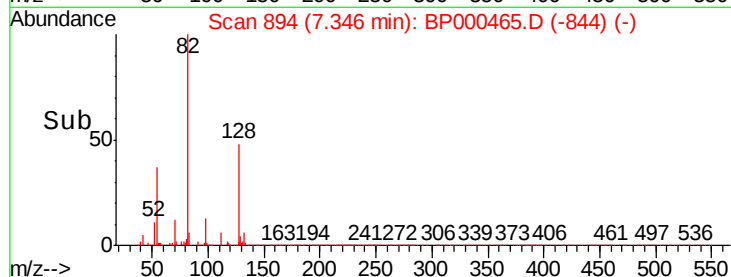
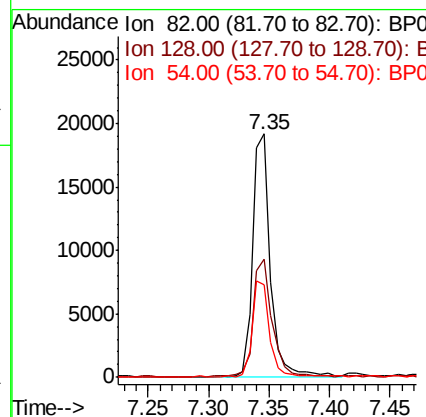
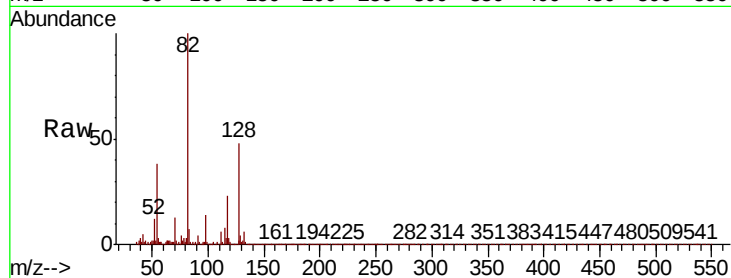
Time-->



#23  
Nitrobenzene-d5  
Concen: 1.660 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

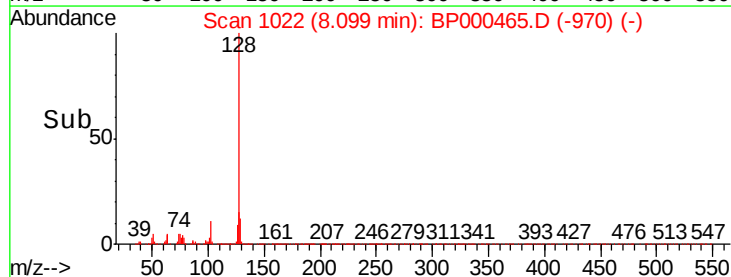
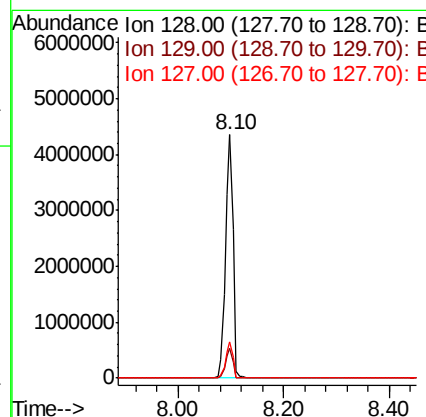
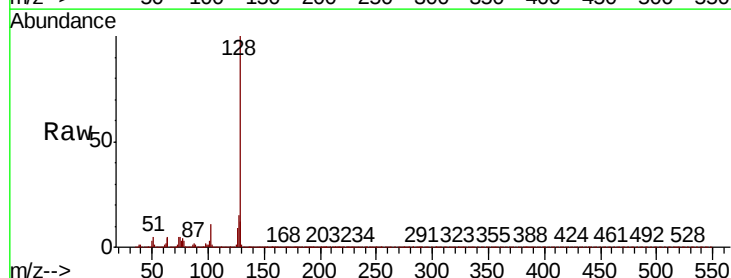
Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

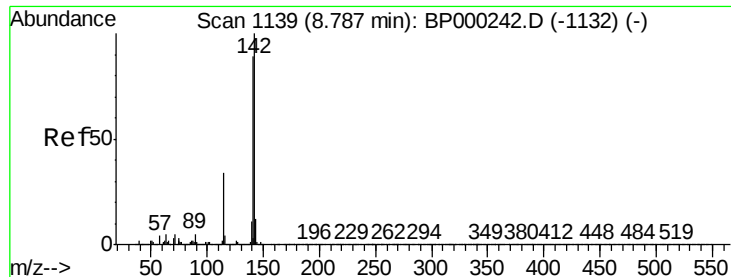
| Tot Ion   | 82    | Resp  | 19556 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 48.4  | 40.7  | 61.1  |
| 54        | 37.9  | 30.1  | 45.1  |



#31  
Naphthalene  
Concen: 125.275 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. 0.01 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

| Tgt Ion   | 128   | Resp  | 4409749 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 128       | 100   |       |         |
| 129       | 12.1  | 9.2   | 13.8    |
| 127       | 15.0  | 11.0  | 16.6    |

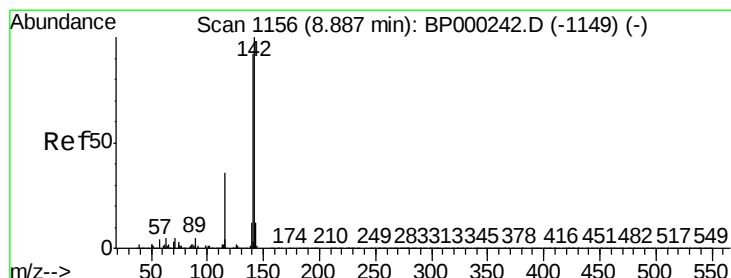
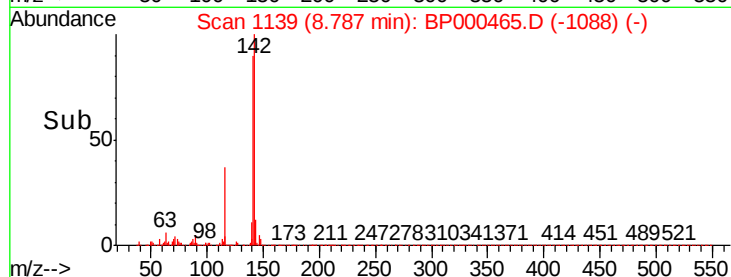
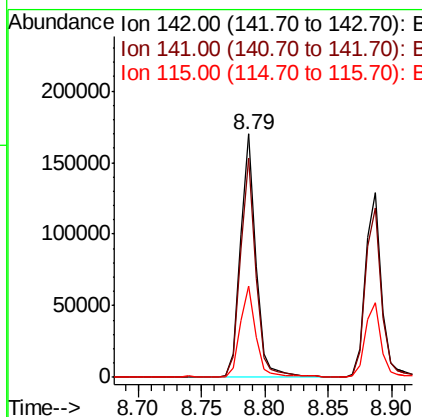
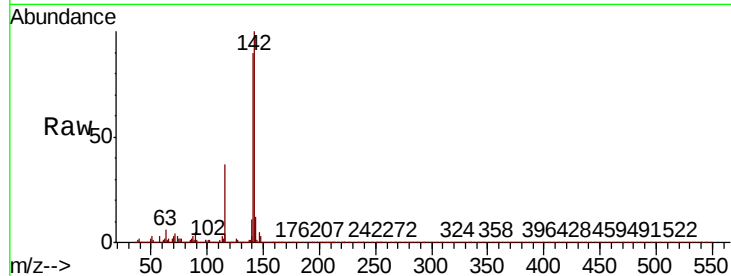




#37  
2-Methylnaphthalene  
Concen: 5.890 ng  
RT: 8.79 min Scan# 1139  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

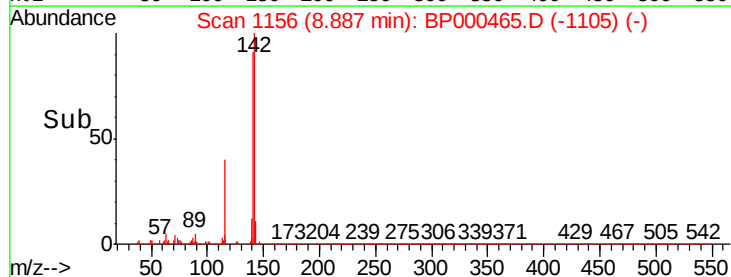
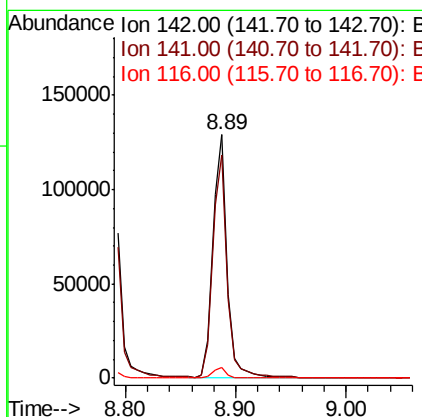
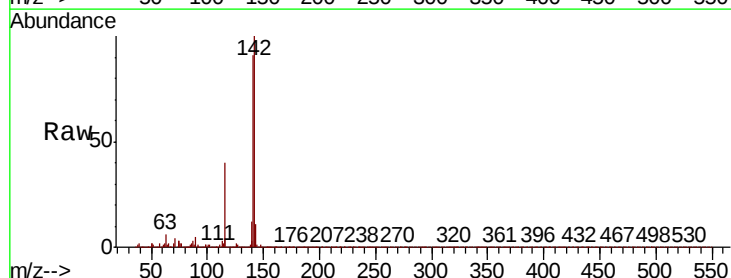
Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

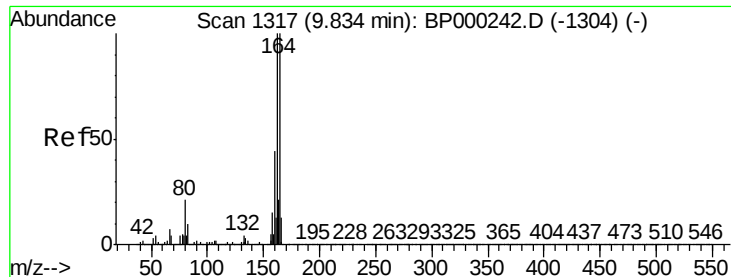
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.1  | 71.3  | 106.9 |
| 115     | 37.3  | 27.2  | 40.8  |



#38  
1-Methylnaphthalene  
Concen: 5.009 ng  
RT: 8.89 min Scan# 1156  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.5  | 73.9  | 110.9 |
| 116     | 4.4   | 3.0   | 4.6   |

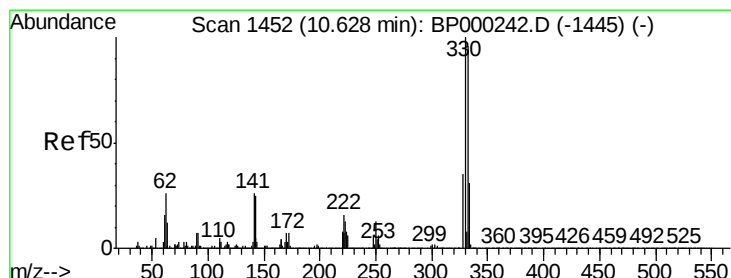
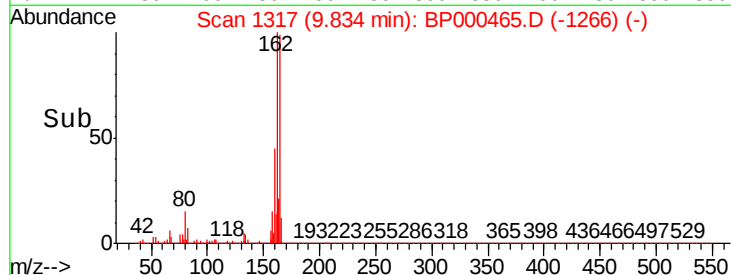
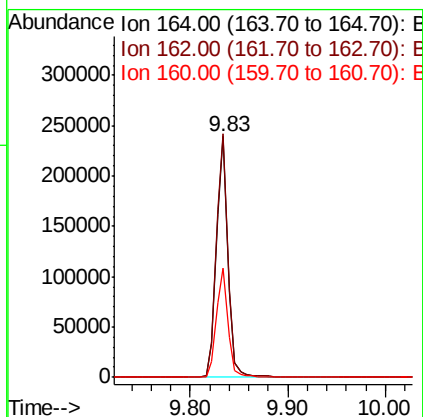
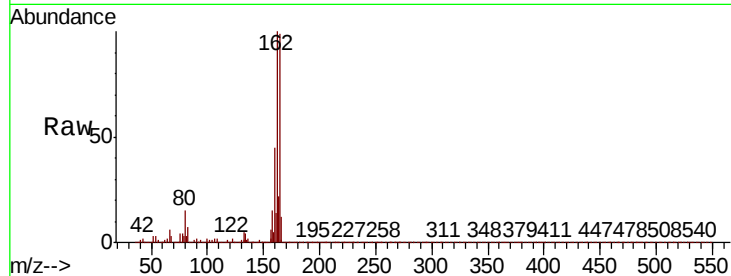




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

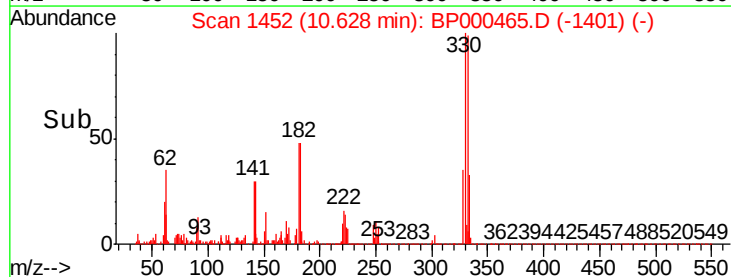
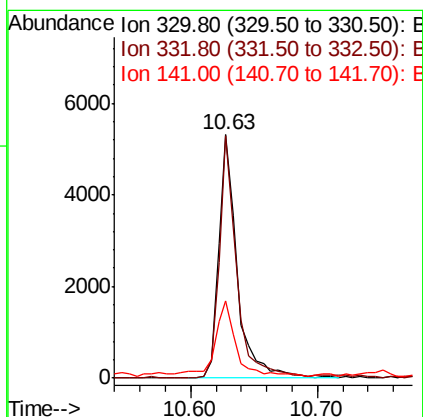
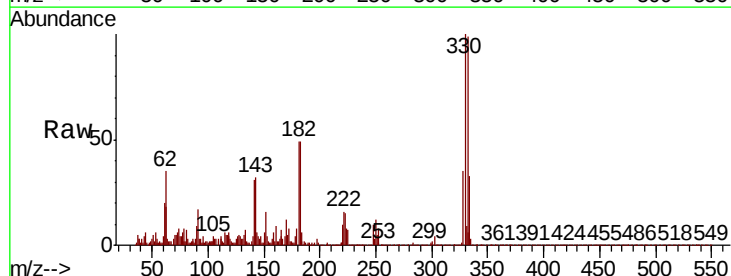
Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

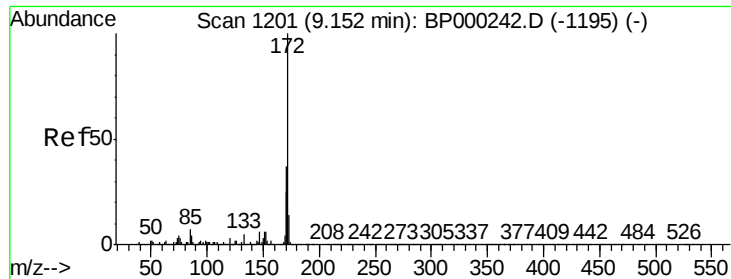
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Ion Ratio Lower Upper  
164 100  
162 101.1 79.9 119.9  
160 45.6 35.6 53.4



#42  
2,4,6-Tribromophenol  
Concen: 2.823 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

Tgt Ion:330 Resp: 5472  
Ion Ratio Lower Upper  
330 100  
332 93.6 76.6 115.0  
141 34.9 26.5 39.7

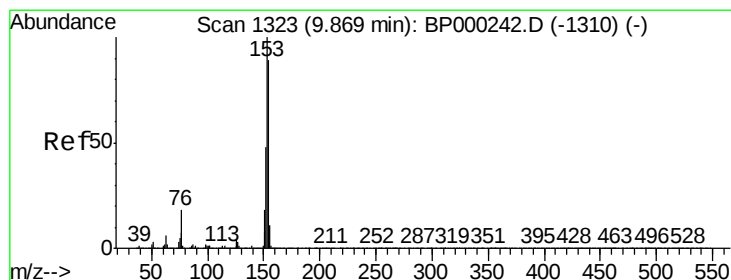
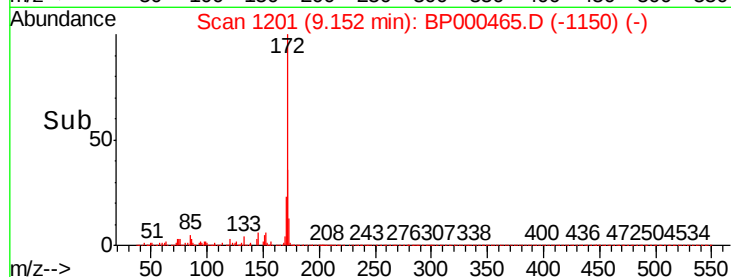
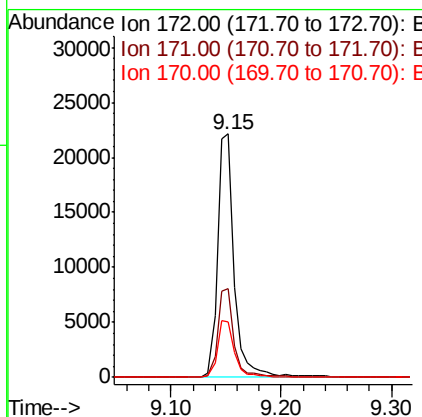
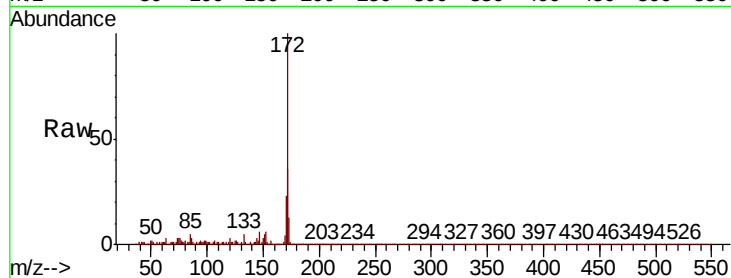




#45  
2-Fluorobiphenyl  
Concen: 2.136 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

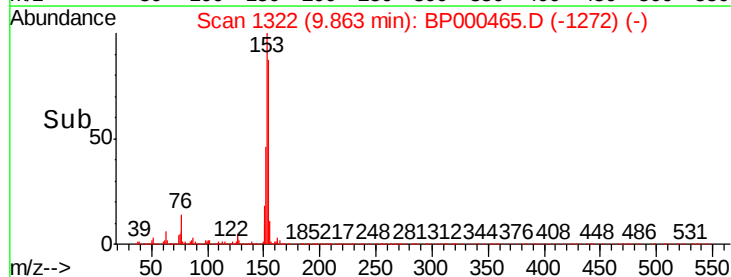
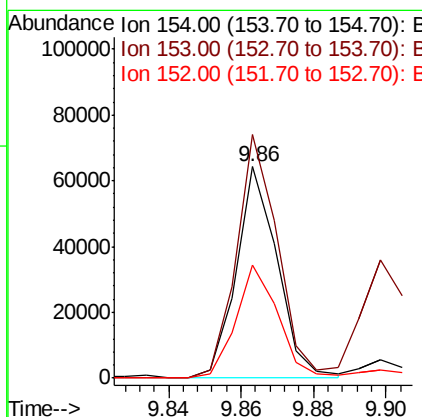
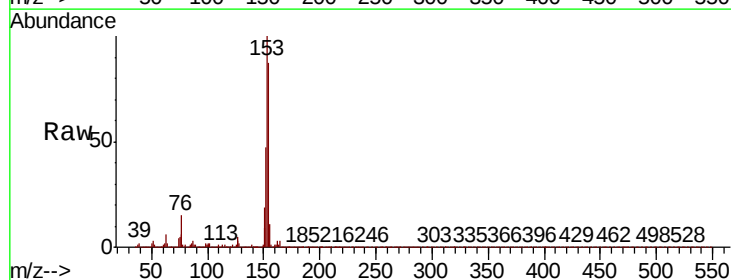
Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

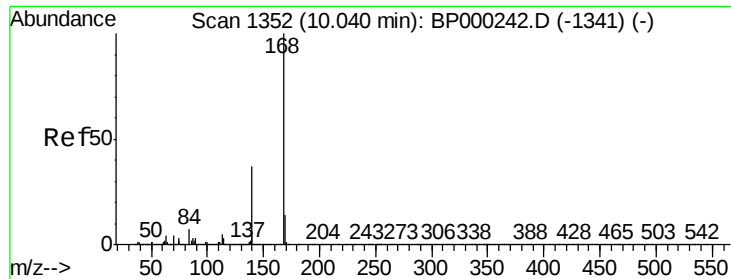
Tot Ion:172 Resp: 23198  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.8 44.6  
170 23.0 19.8 29.6



#52  
Acenaphthene  
Concen: 4.680 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

Tgt Ion:154 Resp: 50347  
Ion Ratio Lower Upper  
154 100  
153 115.1 89.8 134.6  
152 53.5 43.4 65.0





#55

Dibenzenofuran

Concen: 3.868 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA\_P

ClientSampleId :

QNWP8-MW30D-GWDL

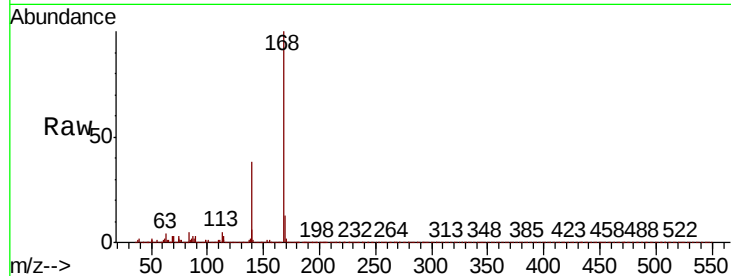
Tot Ion:168 Resp: 58830

Ion Ratio Lower Upper

168 100

139 38.1 30.0 45.0

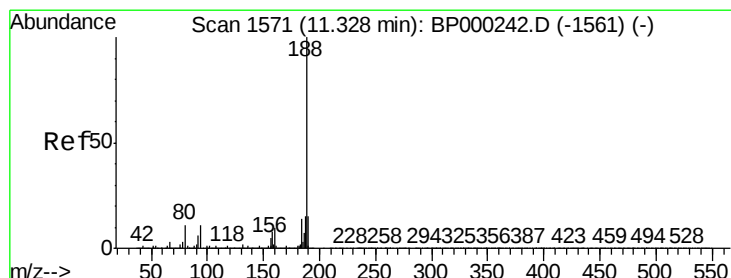
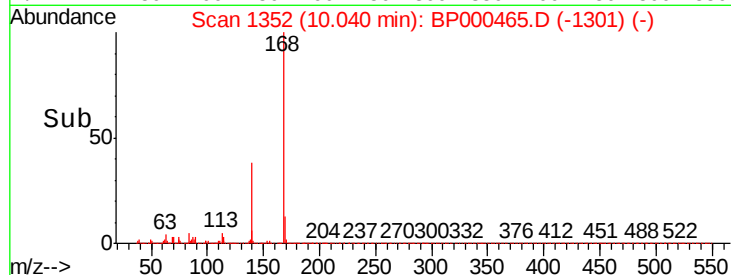
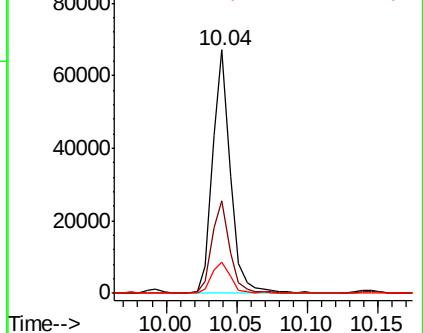
169 12.8 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

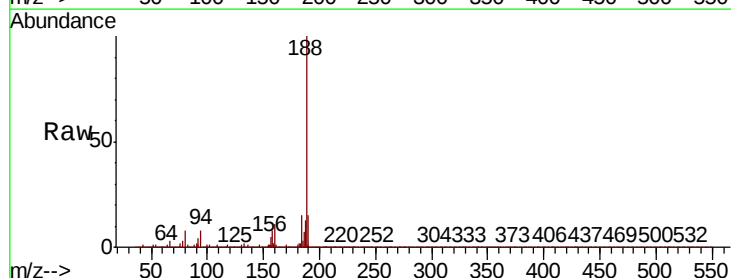
Tgt Ion:188 Resp: 369959

Ion Ratio Lower Upper

188 100

94 8.0 8.5 12.7#

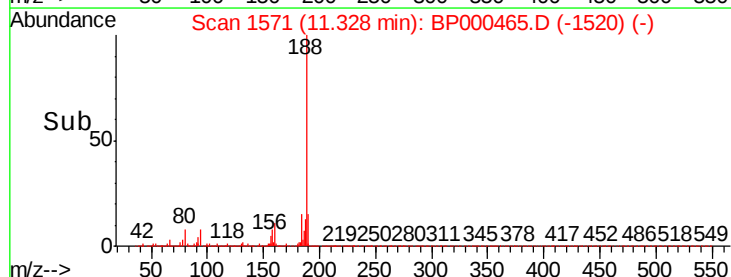
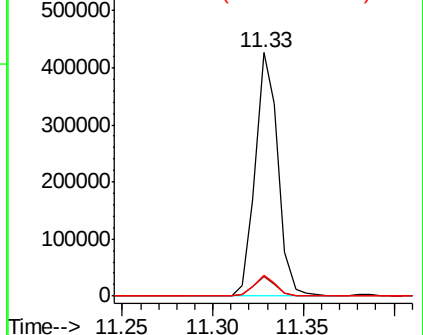
80 8.5 8.6 13.0#

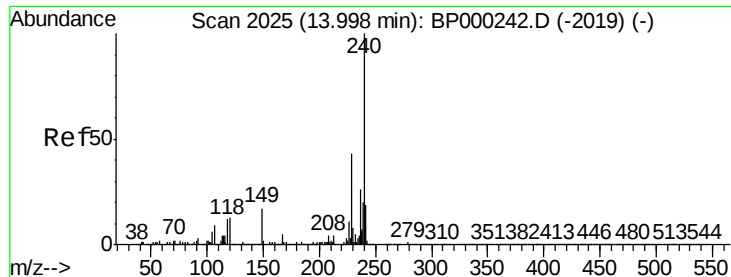


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA\_P

ClientSampleId :

QNWP8-MW30D-GWDL

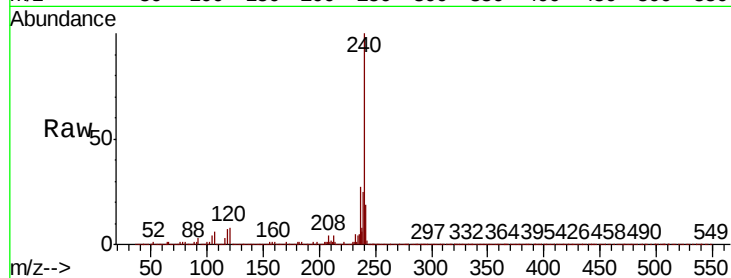
Tot Ion:240 Resp: 346406

Ion Ratio Lower Upper

240 100

120 8.1 10.4 15.6#

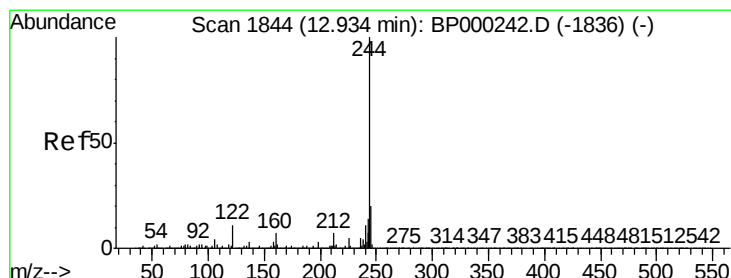
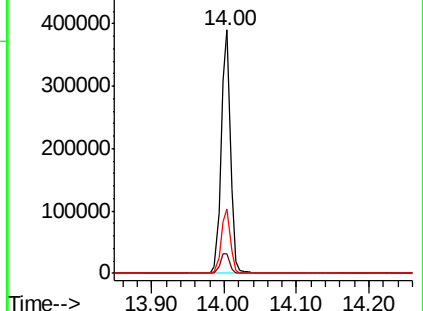
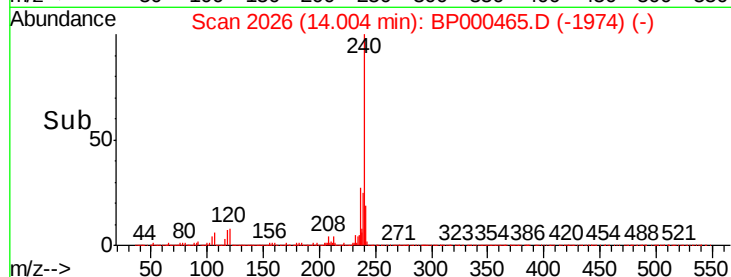
236 26.6 21.0 31.6



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: 2.437 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

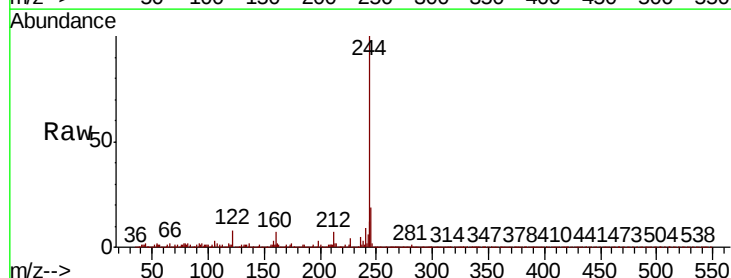
Tgt Ion:244 Resp: 40241

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

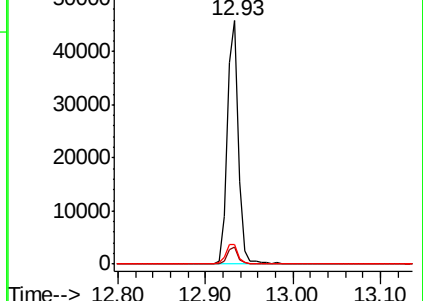
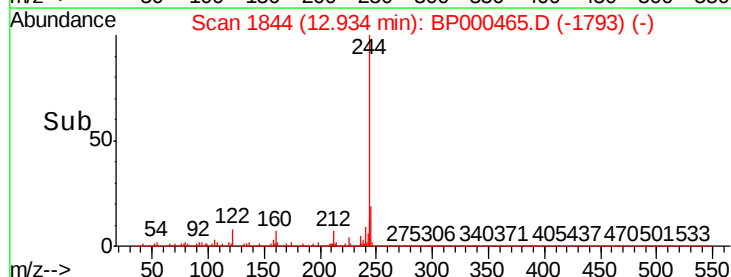
122 8.3 9.0 13.4#

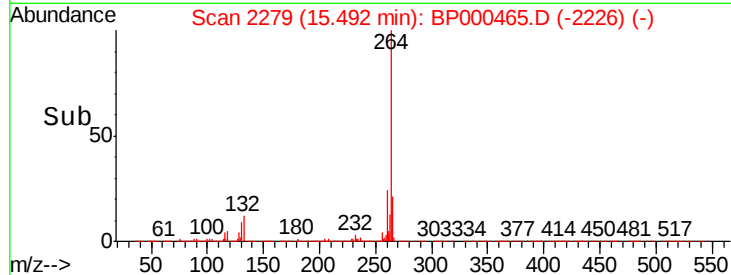
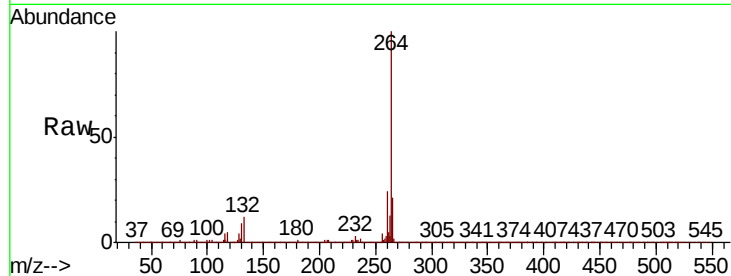
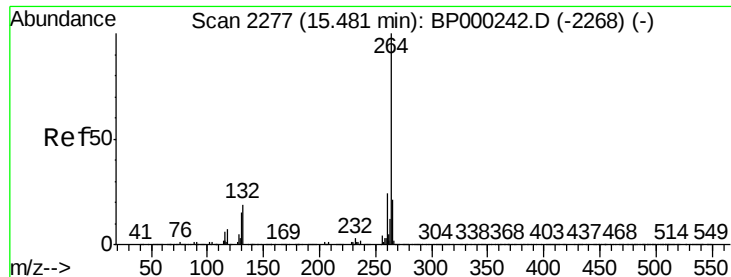


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.01 min  
Lab File: BP000465.D  
Acq: 27 Sep 2019 18:20

Instrument :  
BNA\_P  
ClientSampleId :  
QNWP8-MW30D-GWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.9  | 28.3  |
| 265     | 21.2  | 17.2  | 25.8  |

