

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\  
 Data File : BP000314.D  
 Acq On : 18 Sep 2019 22:03  
 Operator : HP/JU  
 Sample : K4863-13 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 19 04:23:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 16 18:59:05 2019  
 Response via : Initial Calibration

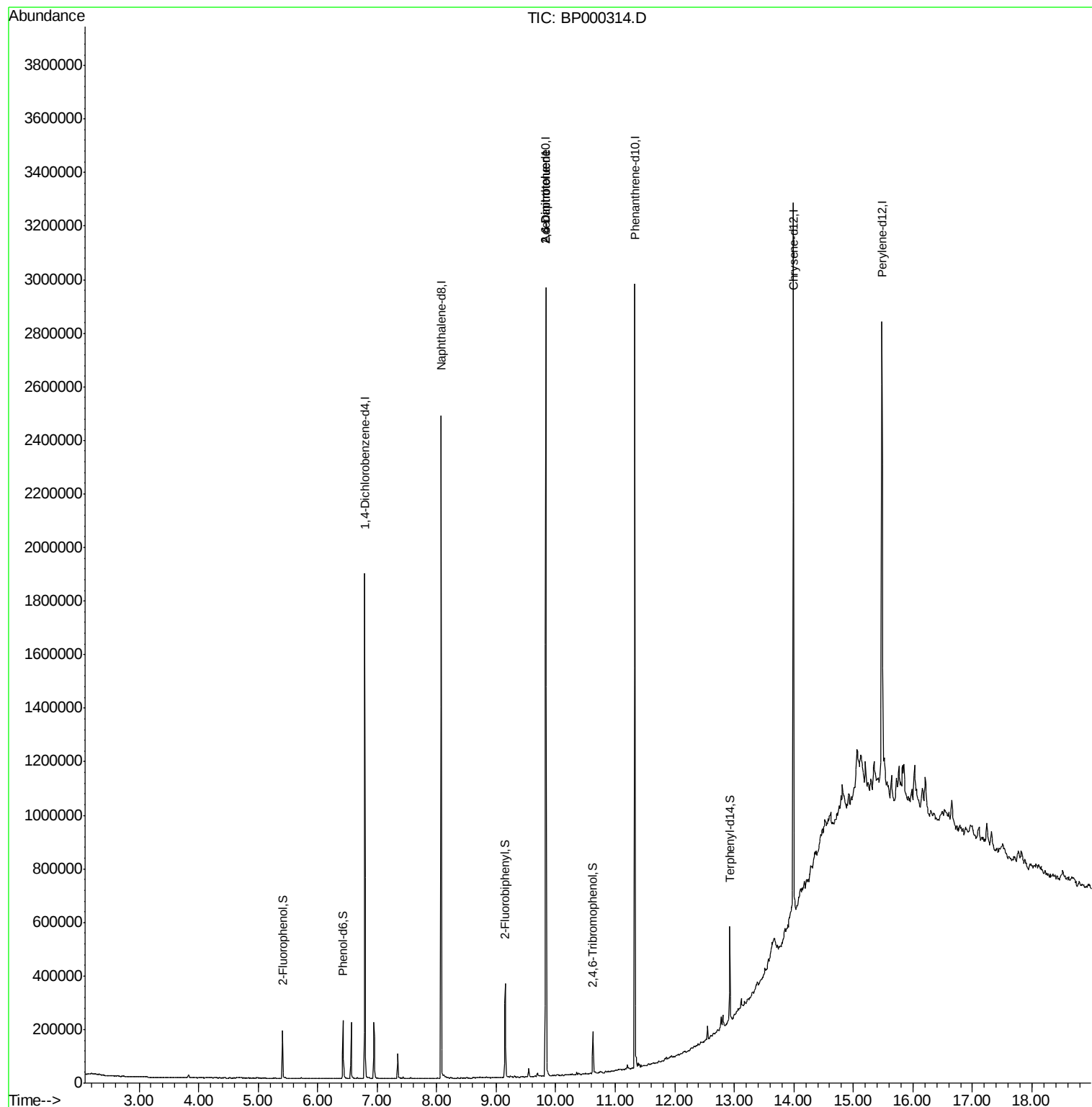
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 264069   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 983511   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 549210   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 961619   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12            | 13.99 | 240  | 792789   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12            | 15.48 | 264  | 813817   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 56564    | 3.70      | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 75313    | 4.02      | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 27660    | 1.81      | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 19028    | 3.49      | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 108102   | 3.54      | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 120792   | 3.20      | ng    | -0.01    |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 6.34  | 77   | 113      | Below Cal | #     | 62       |
| 51) 2,6-Dinitrotoluene      | 9.83  | 165  | 70862    | 8.613 ng  | #     | 30       |
| 57) 2,4-Dinitrotoluene      | 9.83  | 165  | 71171    | 6.617 ng  | #     | 35       |
| 69) Atrazine                | 11.03 | 200  | 163      | Below Cal | #     | 1        |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\  
Data File : BP000314.D  
Acq On : 18 Sep 2019 22:03  
Operator : HP/JU  
Sample : K4863-13 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Sep 19 04:23:23 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 16 18:59:05 2019  
Response via : Initial Calibration



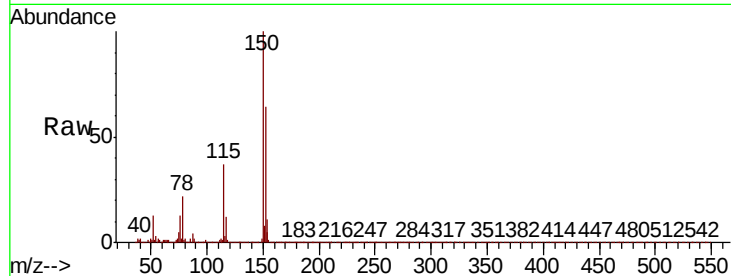


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.01 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 125.2 | 187.8 |
| 115     | 58.0  | 49.7  | 74.5  |

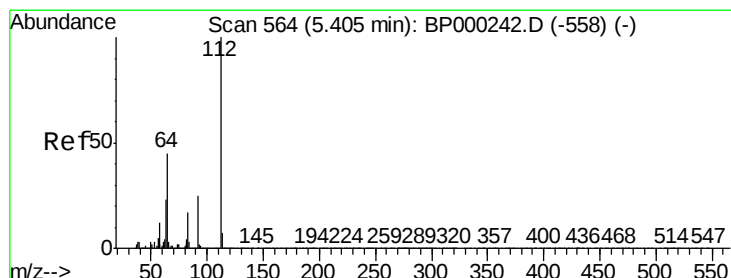
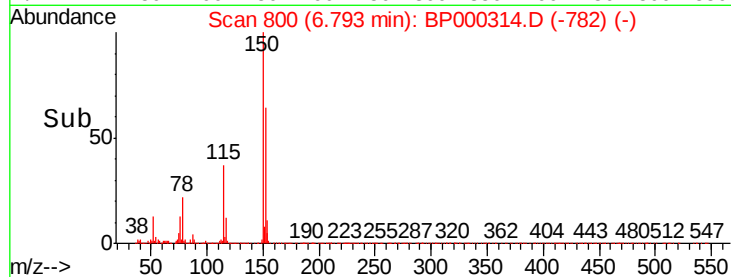
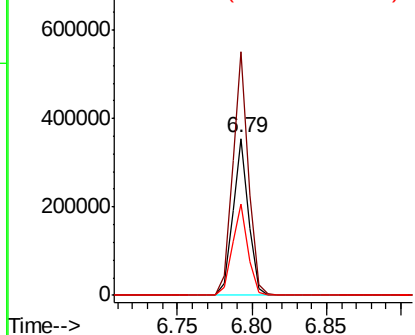


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

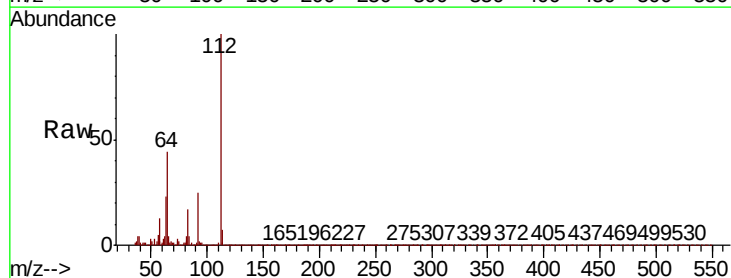
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 3.698 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 43.8  | 36.2  | 54.4  |
| 63      | 23.3  | 18.3  | 27.5  |

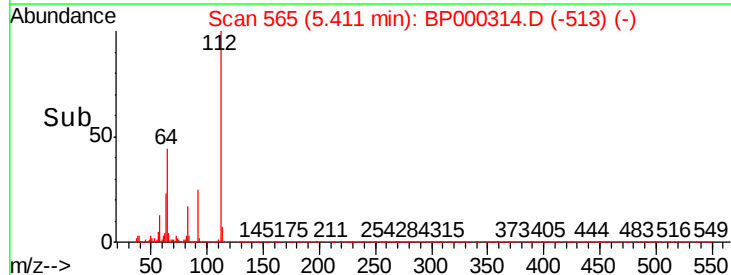
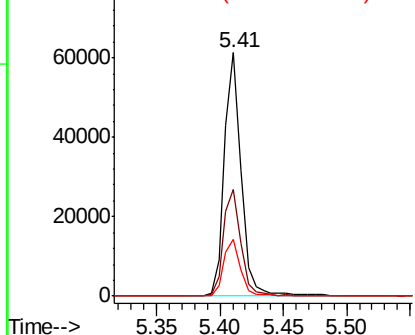


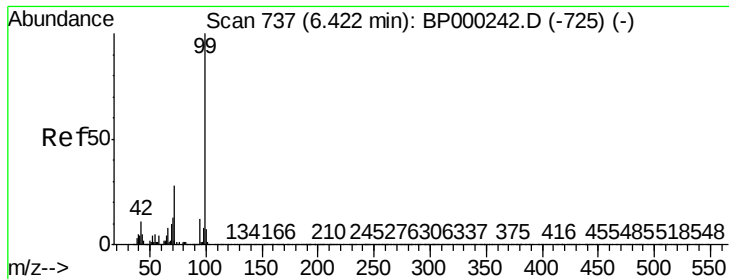
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 4.017 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

Instrument :

BNA\_P

ClientSampleId :

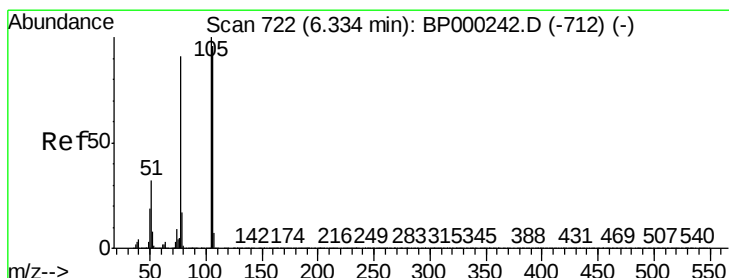
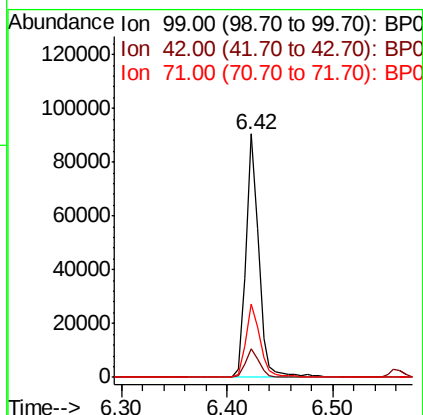
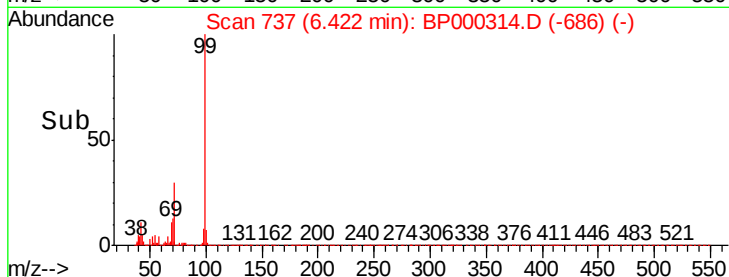
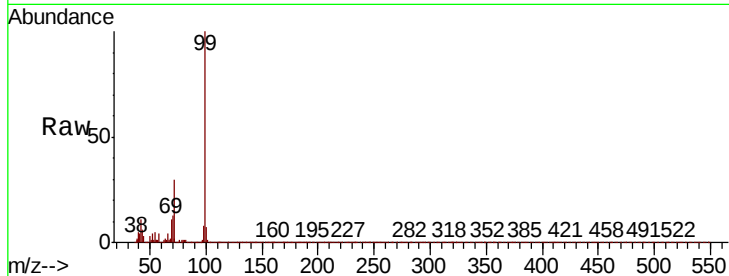
Tot Ion: 99 Resp: 75313

Ion Ratio Lower Upper

99 100

42 11.5 8.5 12.7

71 30.0 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

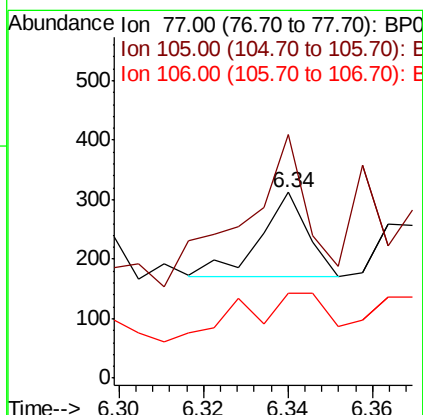
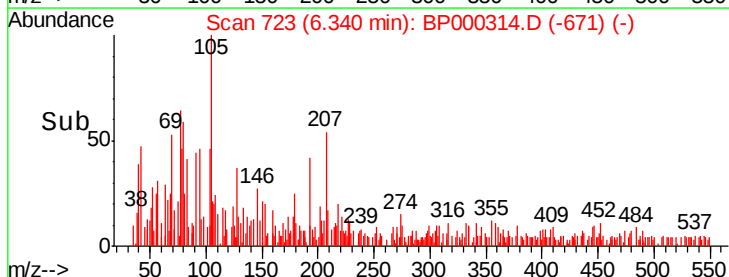
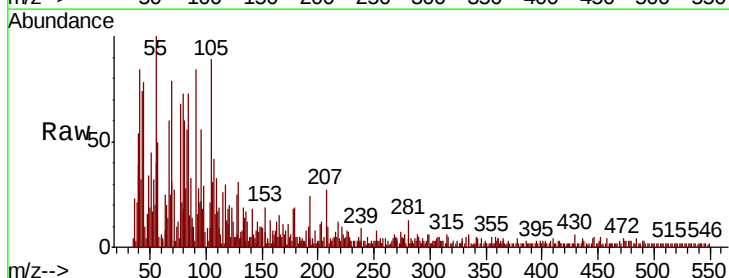
Tgt Ion: 77 Resp: 113

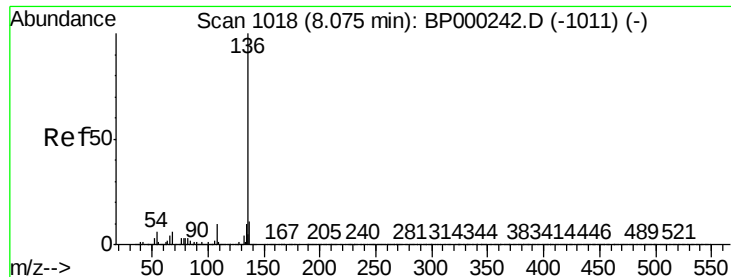
Ion Ratio Lower Upper

77 100

105 131.1 89.6 129.6#

106 45.8 84.6 124.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

Instrument :

BNA\_P

ClientSampleId :

Tot Ion:136 Resp: 983511

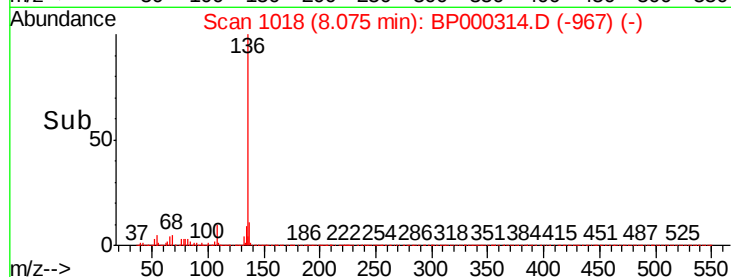
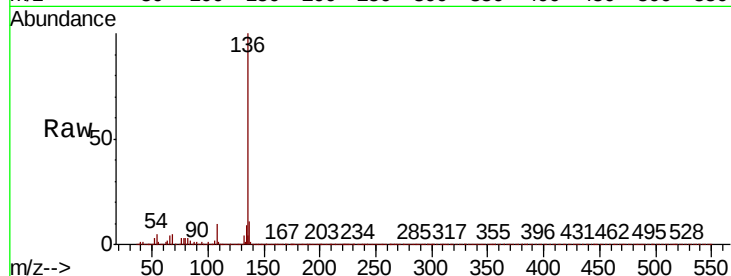
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 5.4 4.5 6.7

68 5.2 4.5 6.7

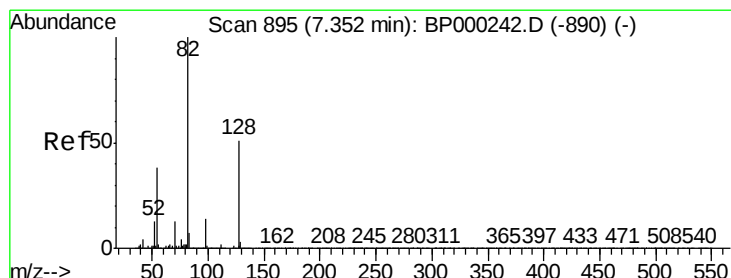
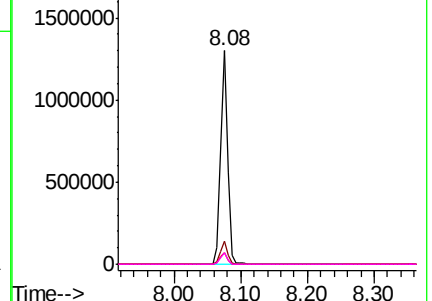


Abundance Ion 136.00 (135.70 to 136.70): E

2000000 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: 1.815 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

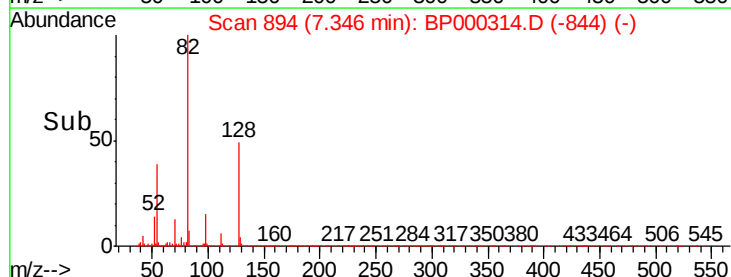
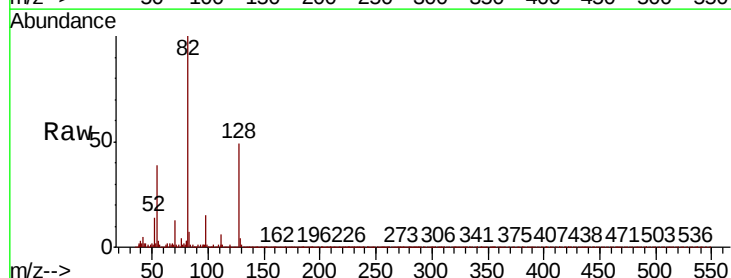
Tgt Ion: 82 Resp: 27660

Ion Ratio Lower Upper

82 100

128 48.6 40.7 61.1

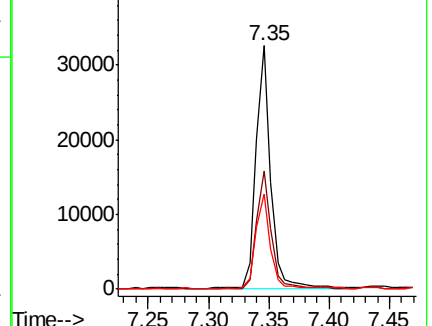
54 38.9 30.1 45.1

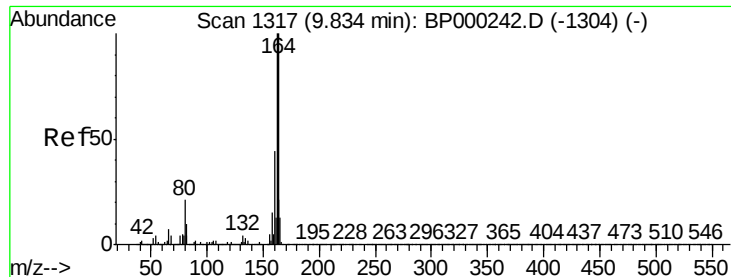


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

Instrument :

BNA\_P

ClientSampleId :

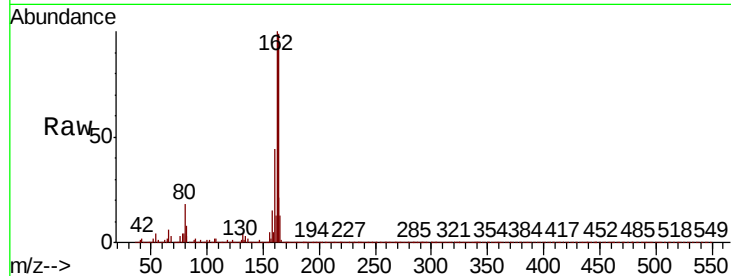
Tot Ion:164 Resp: 549210

Ion Ratio Lower Upper

164 100

162 100.8 79.9 119.9

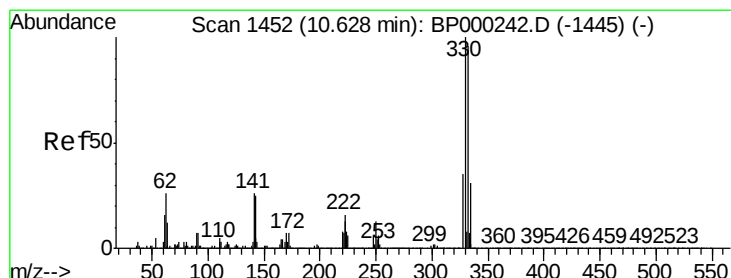
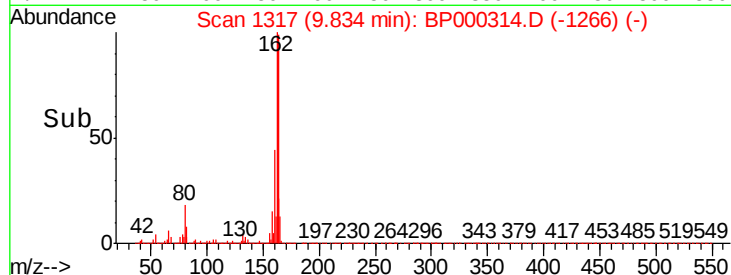
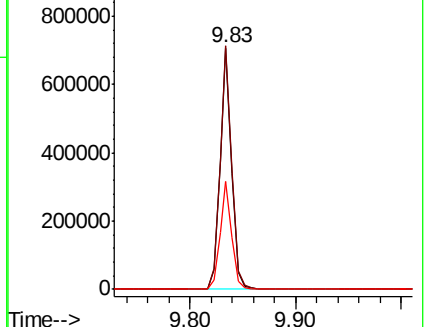
160 44.5 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 3.493 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000314.D

Acq: 18 Sep 2019 22:03

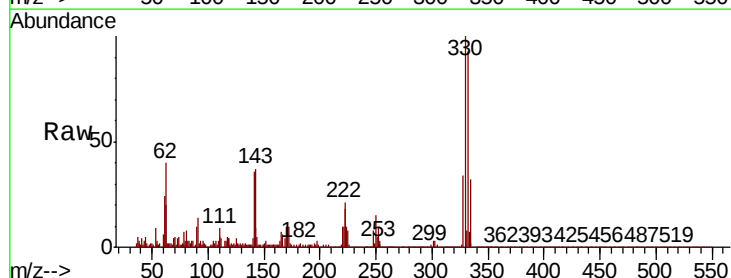
Tgt Ion:330 Resp: 19028

Ion Ratio Lower Upper

330 100

332 98.6 76.6 115.0

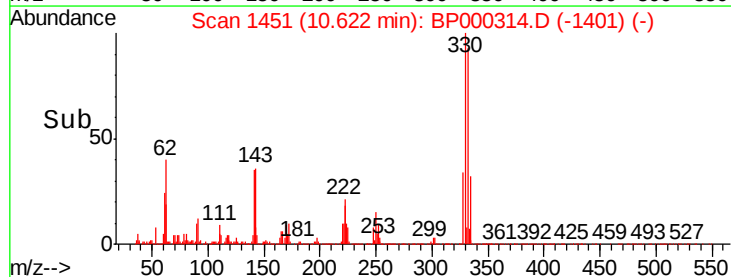
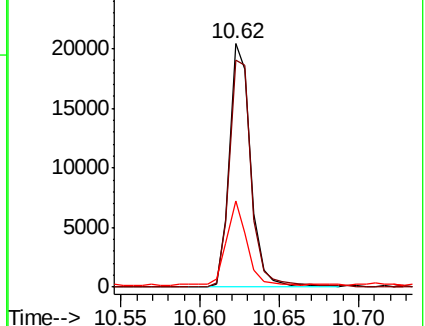
141 32.8 26.5 39.7

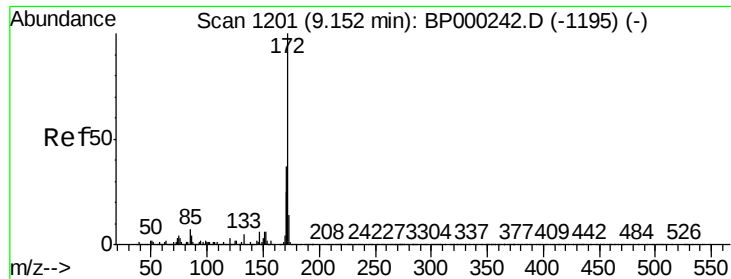


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

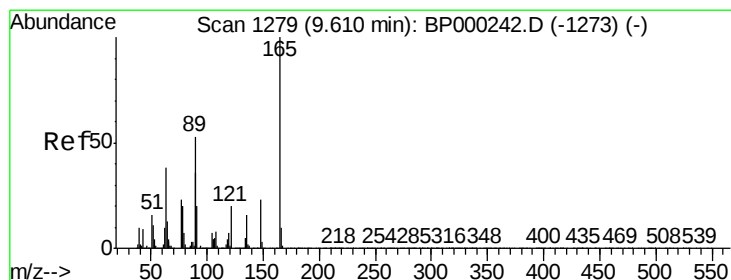
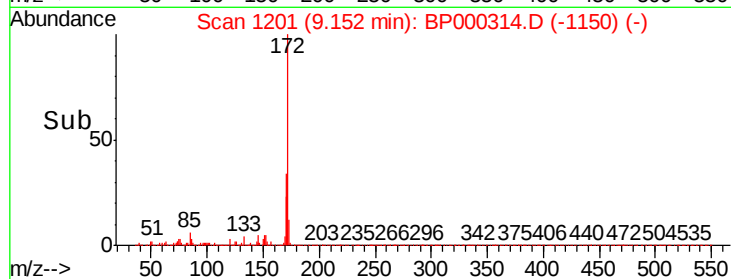
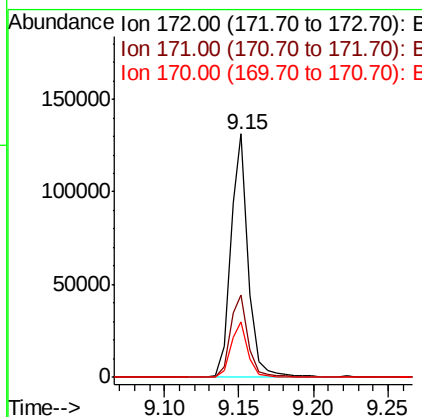
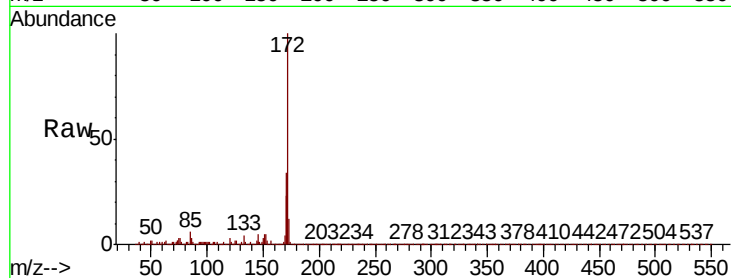




#45  
2-Fluorobiphenyl  
Concen: 3.543 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. 0.00 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

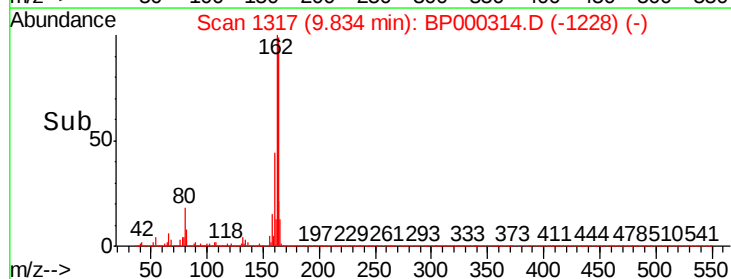
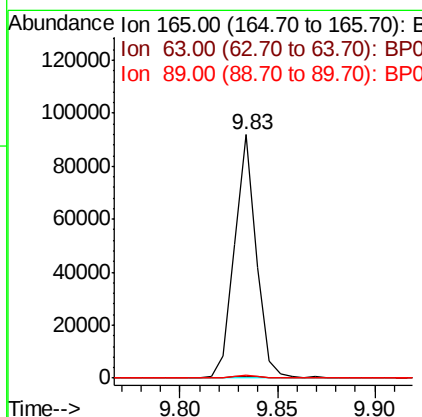
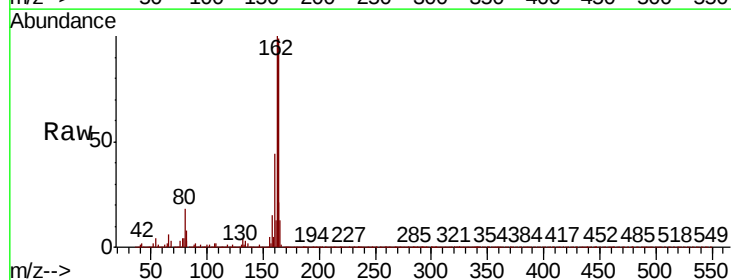
Instrument :  
BNA\_P  
ClientSampleId :

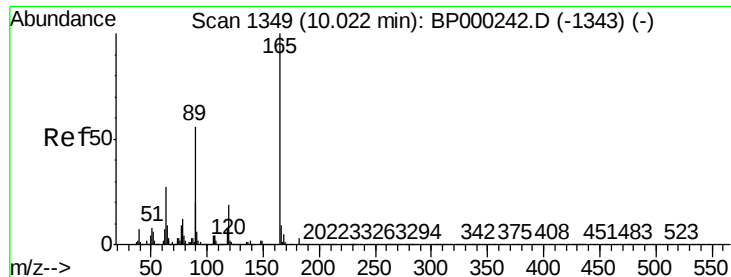
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.6  | 29.8  | 44.6  |
| 170     | 22.8  | 19.8  | 29.6  |



#51  
2,6-Dinitrotoluene  
Concen: 8.613 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.22 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.9   | 35.8  | 53.8# |
| 89      | 1.2   | 42.6  | 63.8# |

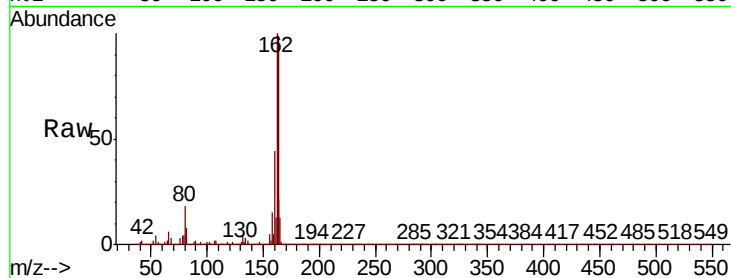




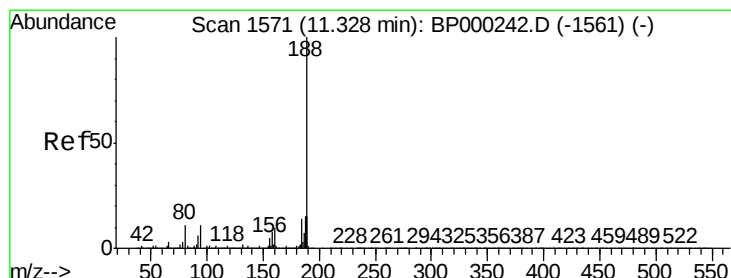
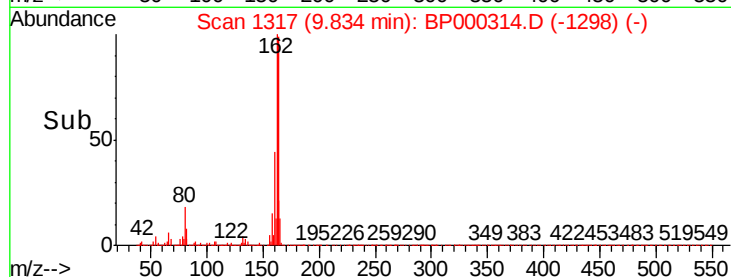
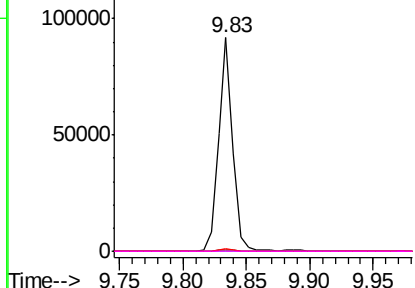
#57  
2,4-Dinitrotoluene  
Concen: 6.617 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.19 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

Instrument :  
BNA\_P  
ClientSampled :

Tot Ion:165 Resp: 71171  
Ion Ratio Lower Upper  
165 100  
63 0.9 21.7 32.5#  
89 1.2 45.0 67.6#  
182 0.0 2.4 3.6#

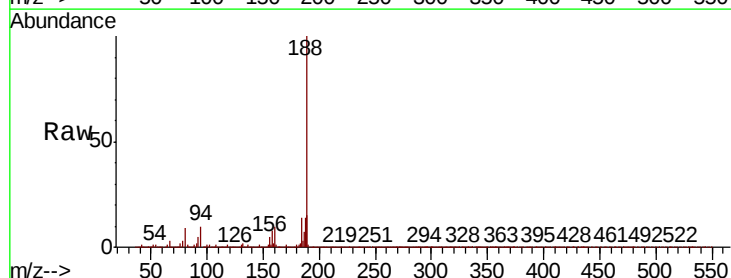


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BP0  
Ion 89.00 (88.70 to 89.70): BP0  
Ion 182.00 (181.70 to 182.70): E

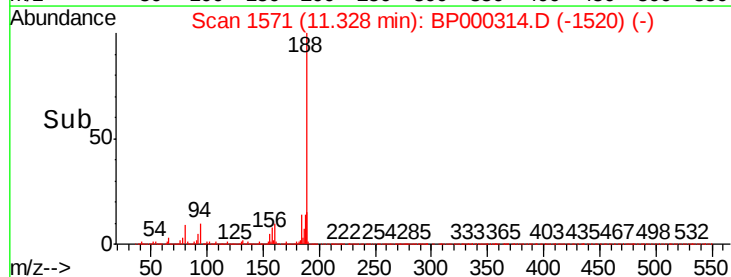
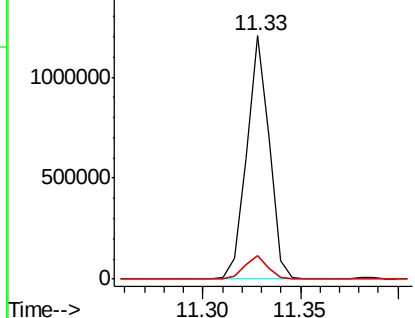


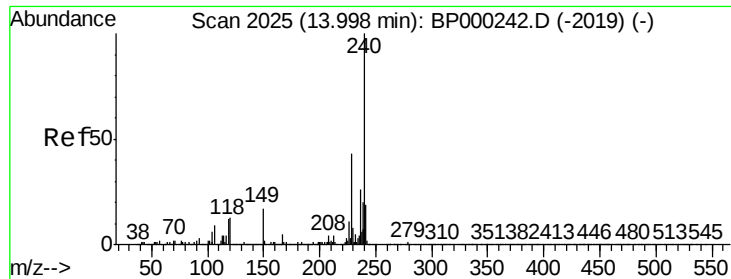
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

Tgt Ion:188 Resp: 961619  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.5 12.7  
80 9.5 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

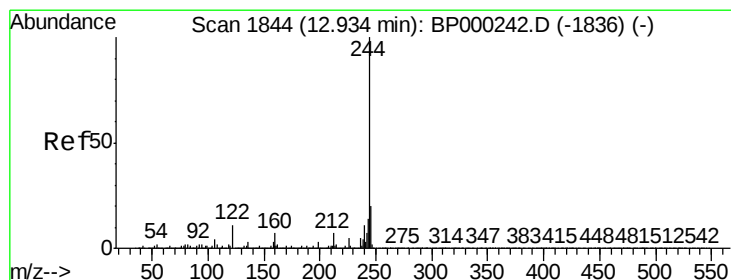
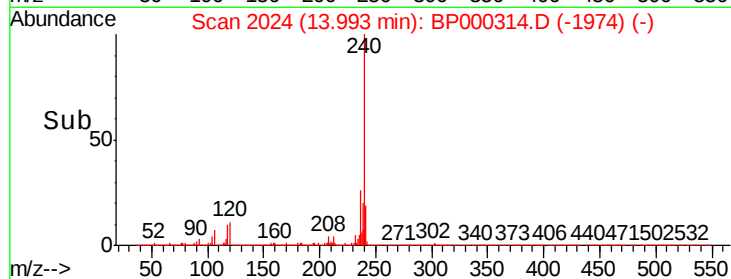
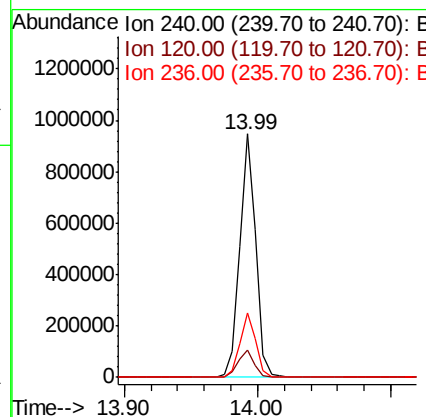
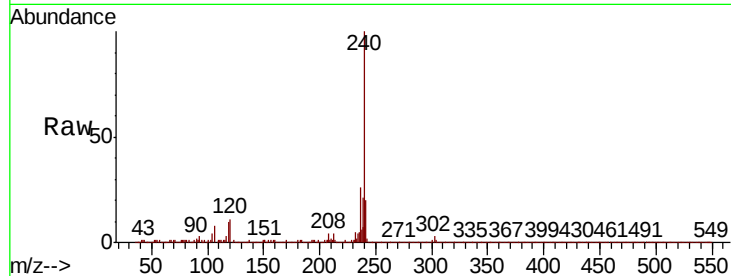




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

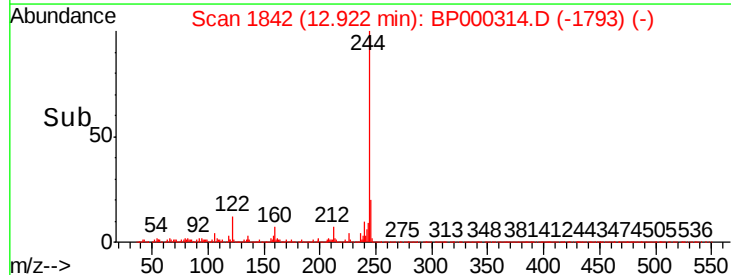
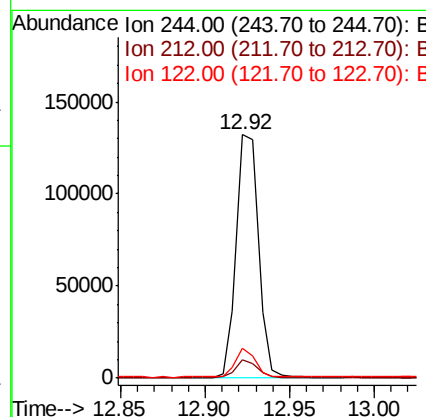
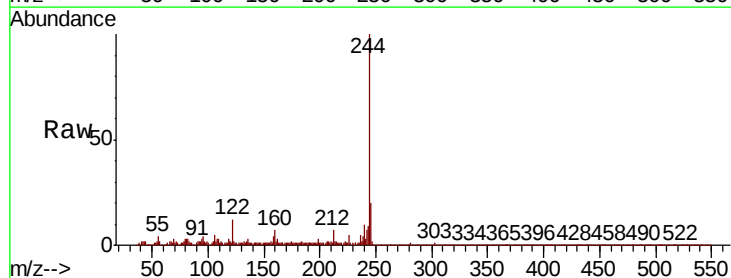
Instrument :  
BNA\_P  
ClientSampleId :

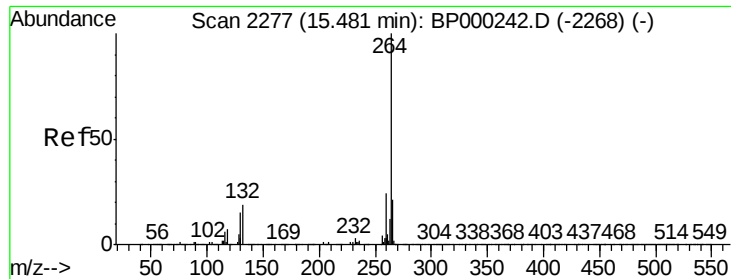
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 10.4  | 15.6  |
| 236     | 26.4  | 21.0  | 31.6  |



#79  
Terphenyl-d14  
Concen: 3.196 ng  
RT: 12.92 min Scan# 1842  
Delta R.T. -0.01 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.9   | 8.9   |
| 122     | 12.3  | 9.0   | 13.4  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.48 min Scan# 2277  
Delta R.T. 0.00 min  
Lab File: BP000314.D  
Acq: 18 Sep 2019 22:03

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.9  | 28.3  |
| 265     | 21.7  | 17.2  | 25.8  |

