

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\  
 Data File : BF121614.D  
 Acq On : 18 Sep 2020 13:55  
 Operator : JU/CG  
 Sample : L4057-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JA-DRUM-COMP

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Quant Time: Sep 18 14:29:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 16:47:54 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 129099   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.11  | 136  | 405291   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.86  | 164  | 253253   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 11.34 | 188  | 496719   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 13.98 | 240  | 362505   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.44 | 264  | 356971   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.45  | 112  | 723325   | 83.27  | ng    | 0.00        |
| 7) Phenol-d6                | 6.46  | 99   | 934413   | 81.99  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 657200   | 87.06  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 274879   | 87.33  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 1096327  | 65.56  | ng    | -0.01       |
| 79) Terphenyl-d14           | 12.93 | 244  | 1099740  | 61.46  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 31) Naphthalene             | 8.13  | 128  | 368850   | 17.240 | ng    | Qvalue # 95 |
| 37) 2-Methylnaphthalene     | 8.82  | 142  | 536154   | 38.240 | ng    | 99          |
| 38) 1-Methylnaphthalene     | 8.92  | 142  | 353646m  | 27.102 | ng    |             |
| 46) 1,1'-Biphenyl           | 9.28  | 154  | 68883    | 3.398  | ng    | 96          |
| 50) Dimethylphthalate       | 9.57  | 163  | 202654   | 11.041 | ng    | # 96        |
| 58) Fluorene                | 10.40 | 166  | 35464    | 2.124  | ng    | # 91        |

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

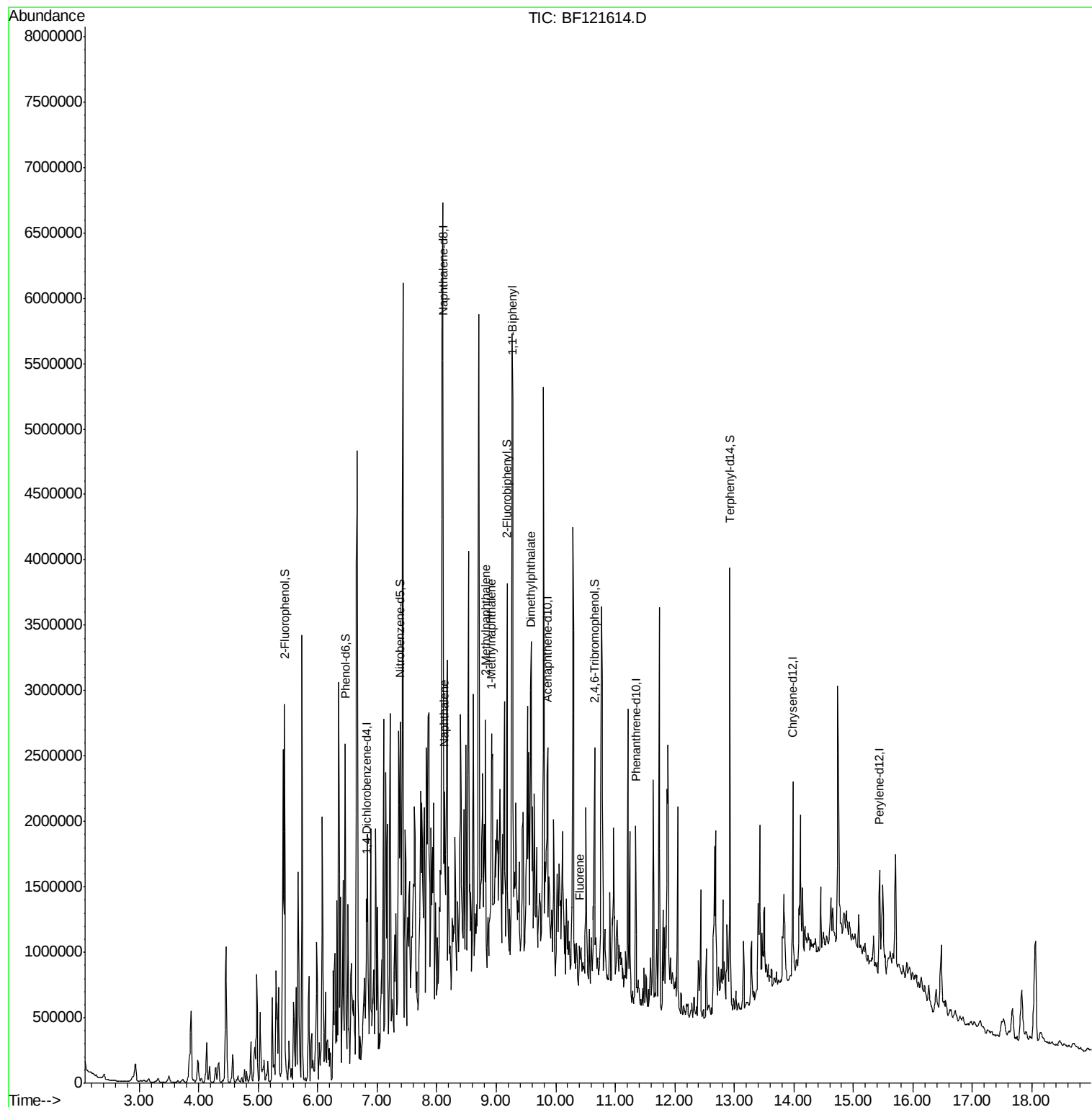
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\  
Data File : BF121614.D  
Acq On : 18 Sep 2020 13:55  
Operator : JU/CG  
Sample : L4057-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

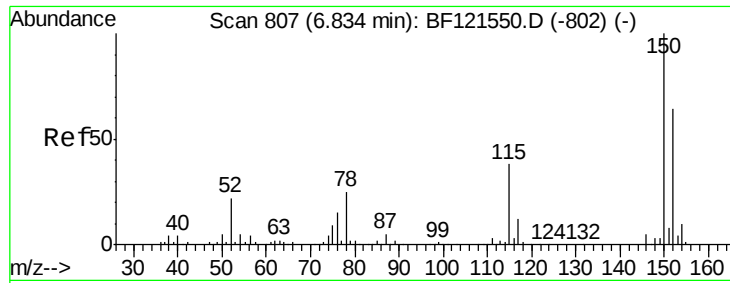
Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

Quant Time: Sep 18 14:29:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 10 16:47:54 2020  
Response via : Initial Calibration

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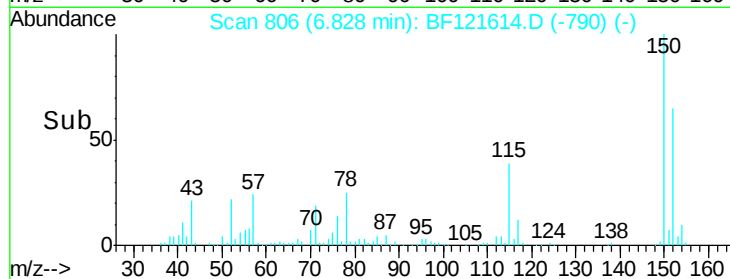
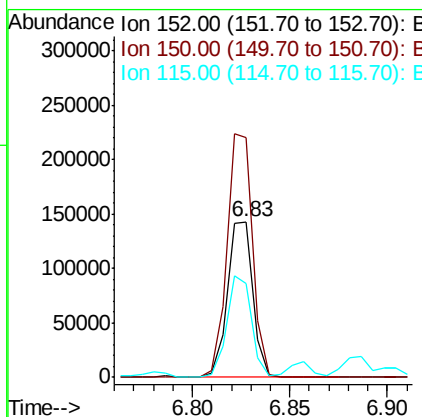
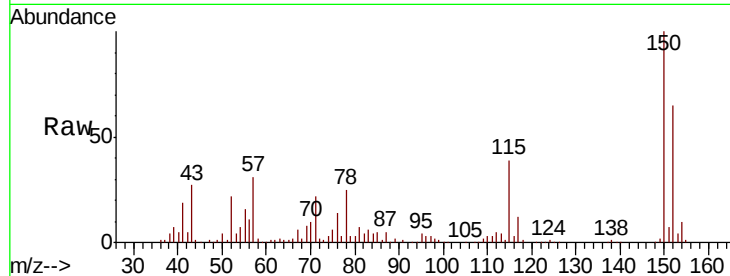
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF121614.D  
 Acq: 18 Sep 2020 13:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JA-DRUM-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 125.8 | 188.6 |
| 115     | 60.2  | 47.8  | 71.8  |

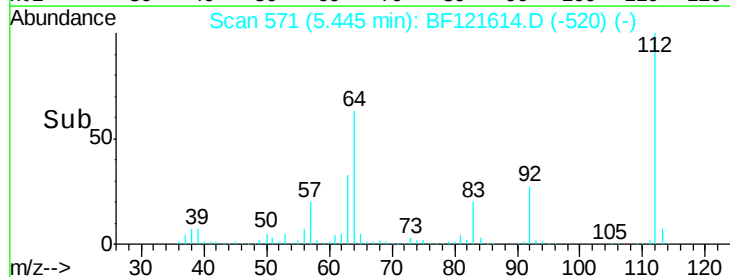
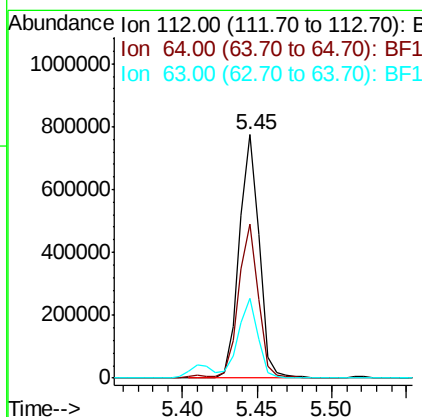
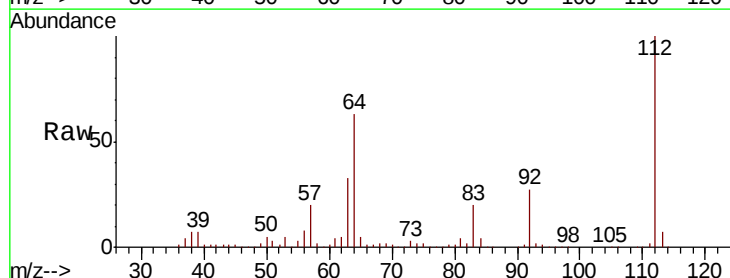
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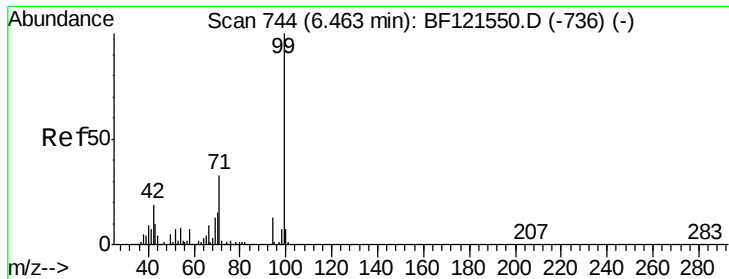
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#5  
 2-Fluorophenol  
 Concen: 83.266 ng  
 RT: 5.45 min Scan# 571  
 Delta R.T. -0.00 min  
 Lab File: BF121614.D  
 Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.5  | 50.3  | 75.5  |
| 63      | 32.6  | 25.6  | 38.4  |





#7

Phenol-d6

Concen: 81.989 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF121614.D

Acq: 18 Sep 2020 13:55

Instrument :

BNA\_F

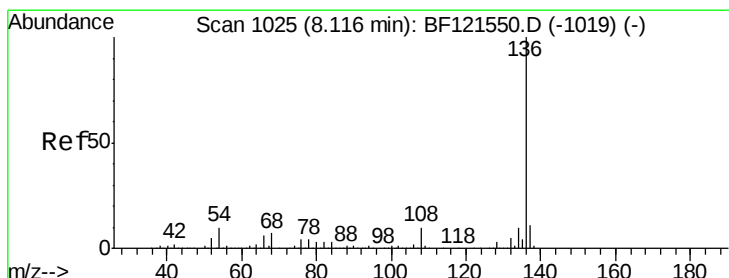
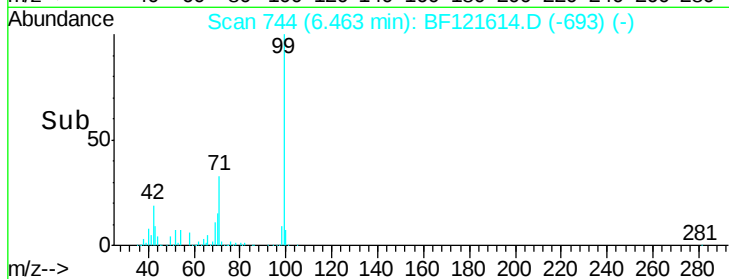
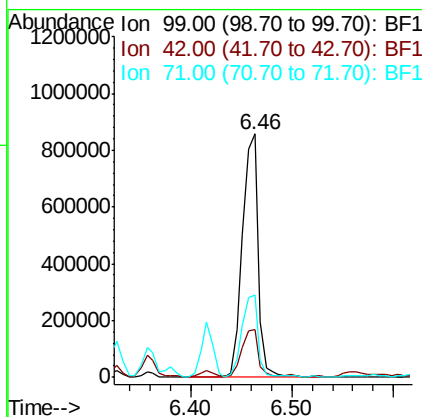
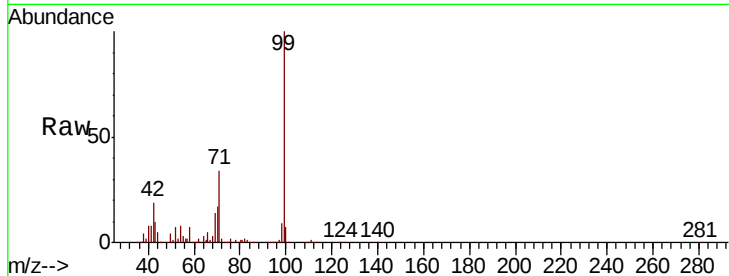
ClientSampleId :

JA-DRUM-COMP

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 934413 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.4  | 15.5  | 23.3   |
| 71        | 33.8  | 26.1  | 39.1   |

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#21

Naphthalene-d8

Concen: 20.000 ng

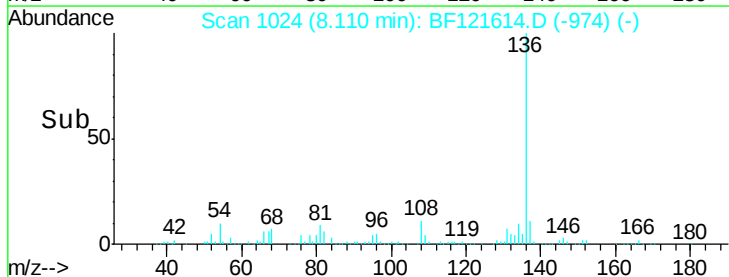
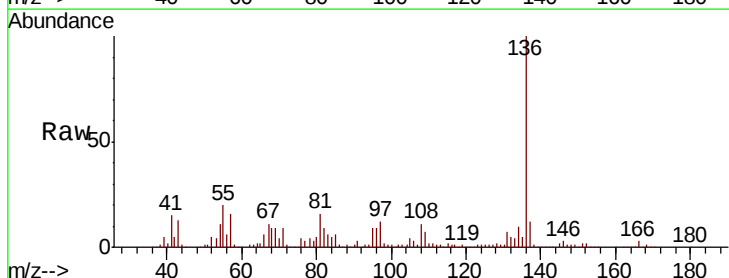
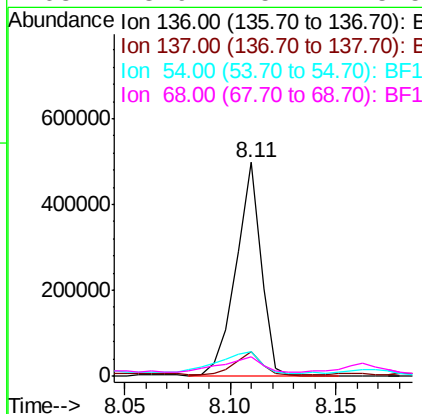
RT: 8.11 min Scan# 1024

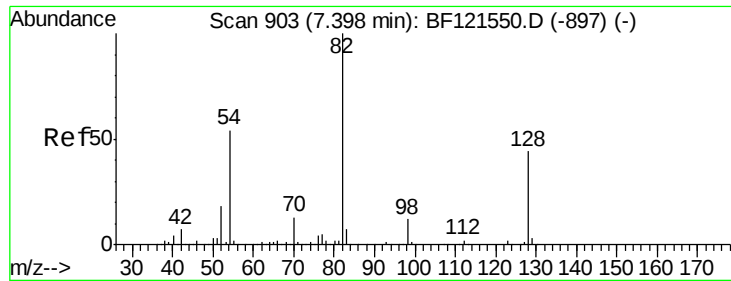
Delta R.T. -0.01 min

Lab File: BF121614.D

Acq: 18 Sep 2020 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 405291 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 9.0   | 13.6   |
| 54        | 11.2  | 7.6   | 11.4   |
| 68        | 8.9   | 5.7   | 8.5#   |





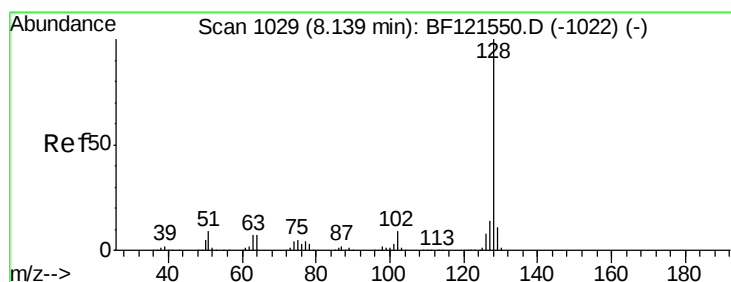
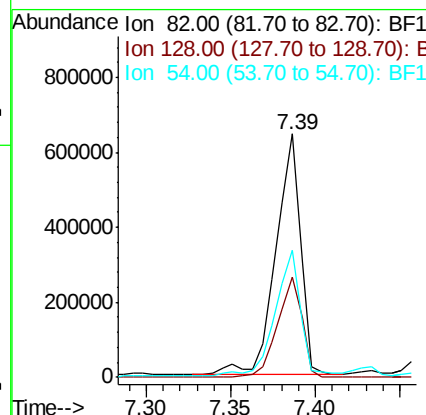
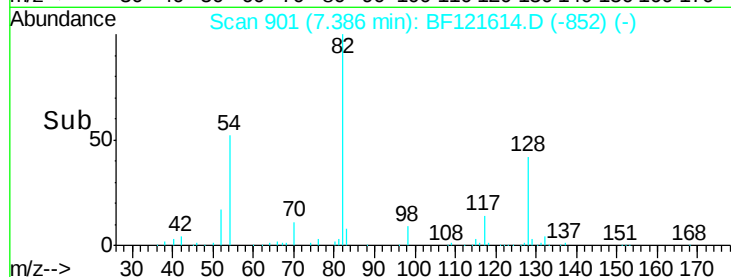
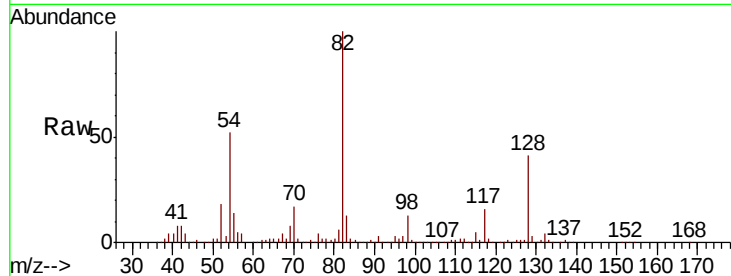
#23  
Nitrobenzene-d5  
Concen: 87.064 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.4  | 35.1  | 52.7  |
| 54      | 52.0  | 43.0  | 64.6  |

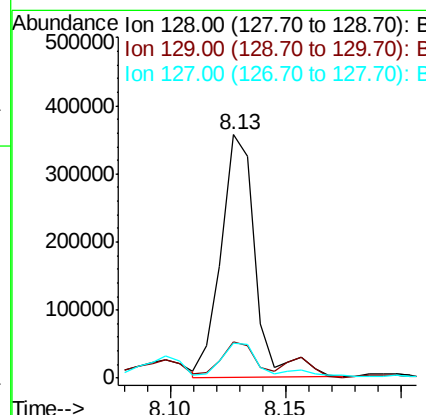
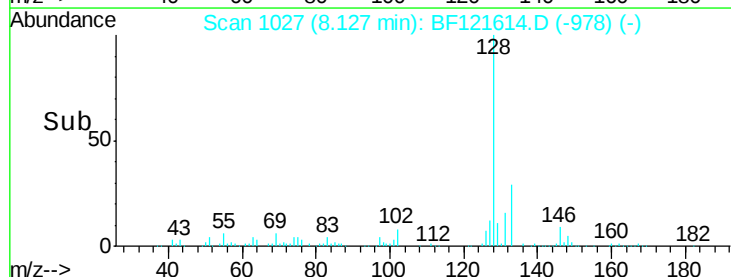
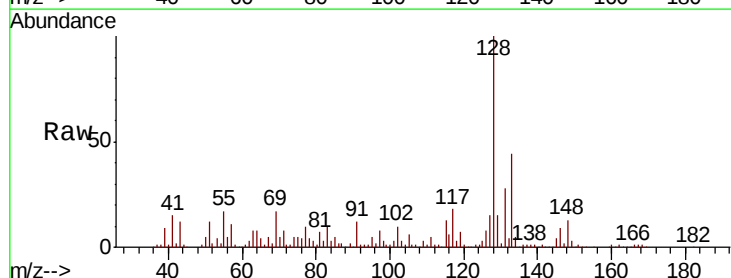
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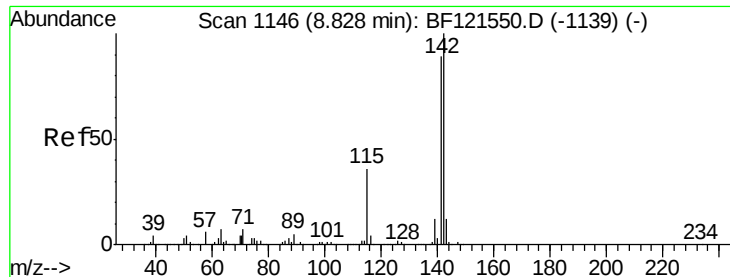
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#31  
Naphthalene  
Concen: 17.240 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 15.1  | 9.1   | 13.7# |
| 127     | 14.5  | 11.0  | 16.6  |





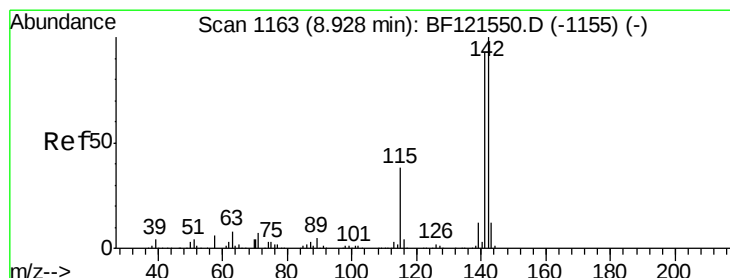
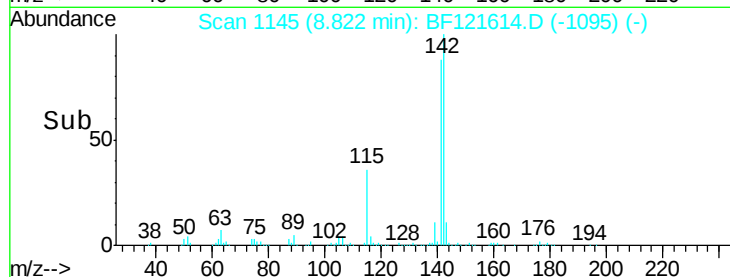
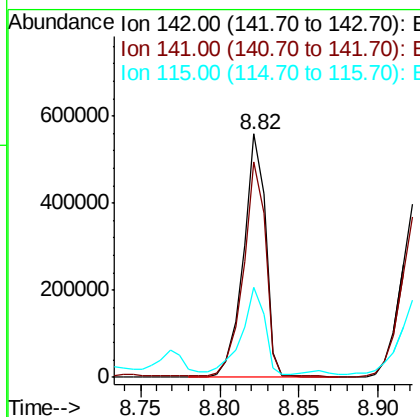
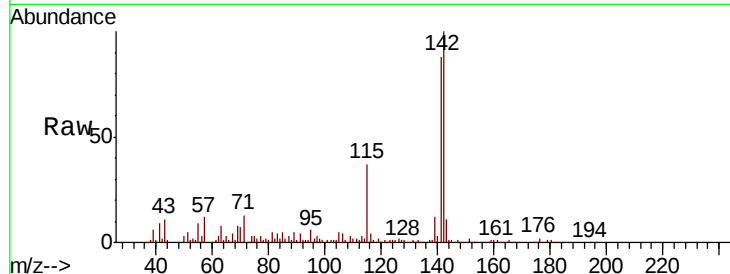
#37  
2-Methylnaphthalene  
Concen: 38.240 ng  
RT: 8.82 min Scan# 1145  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 71.5  | 107.3 |
| 115     | 37.0  | 28.7  | 43.1  |

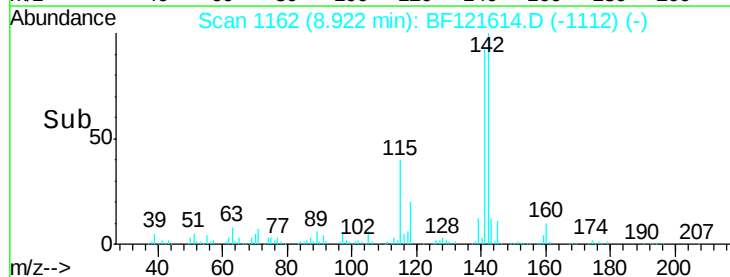
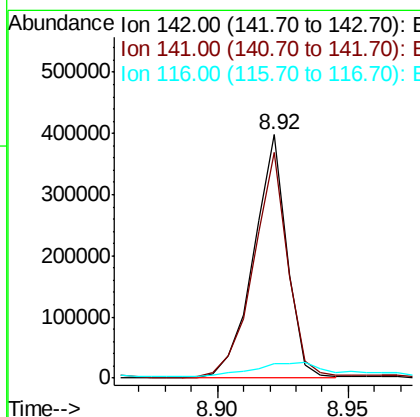
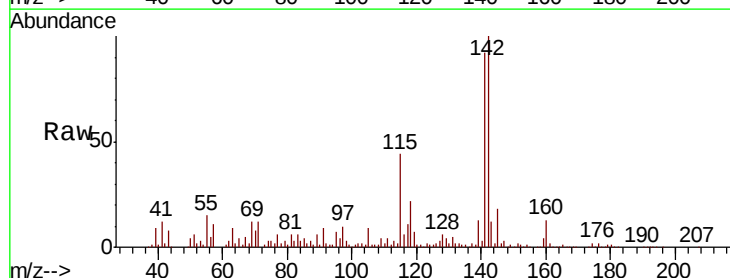
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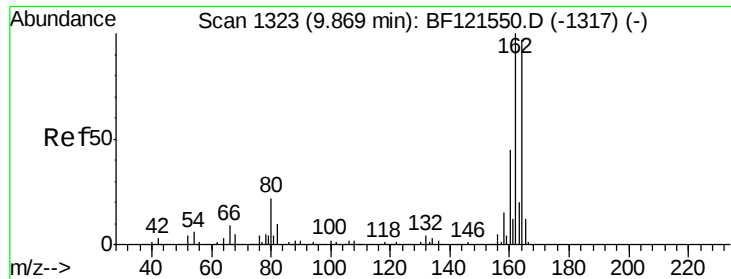
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#38  
1-Methylnaphthalene  
Concen: 27.102 ng m  
RT: 8.92 min Scan# 1162  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.5  | 74.8  | 112.2 |
| 116     | 6.0   | 3.0   | 4.6#  |





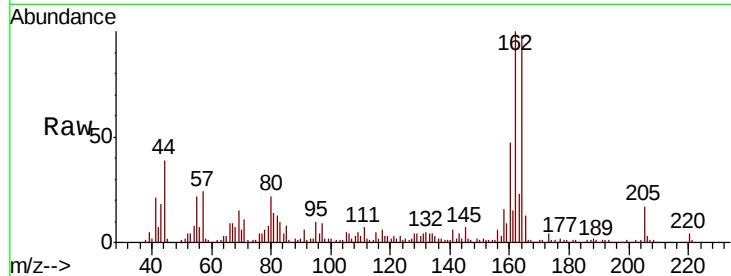
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

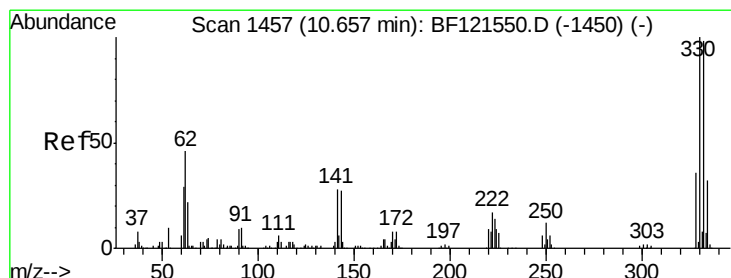
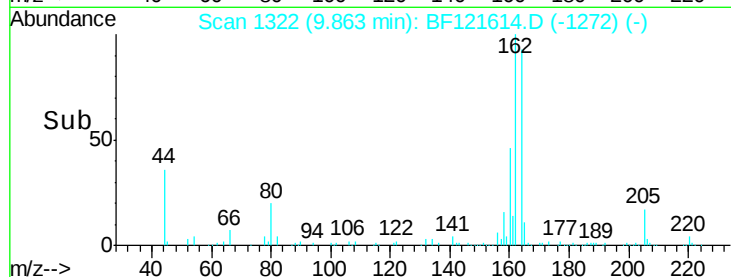
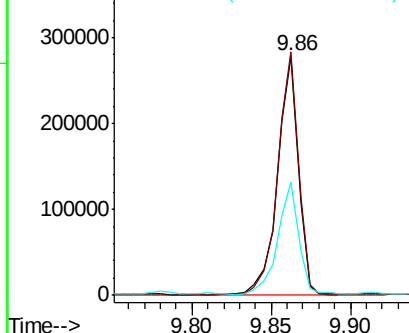
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.0 | 82.3 | 123.5 |       |
| 160     | 47.5  | 37.0 | 55.4  |       |

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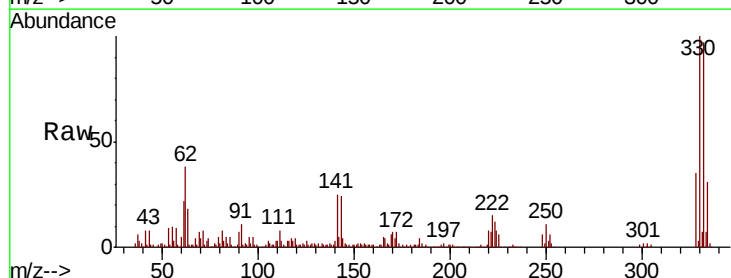


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

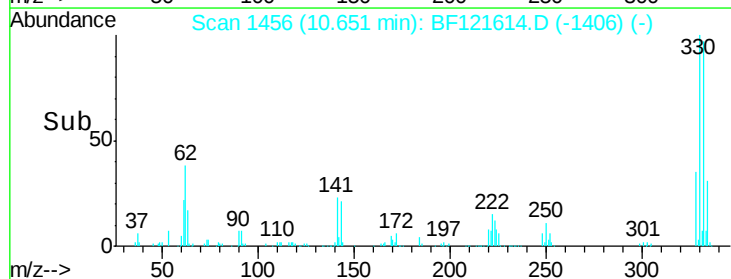
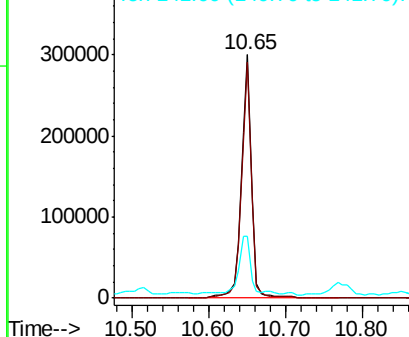


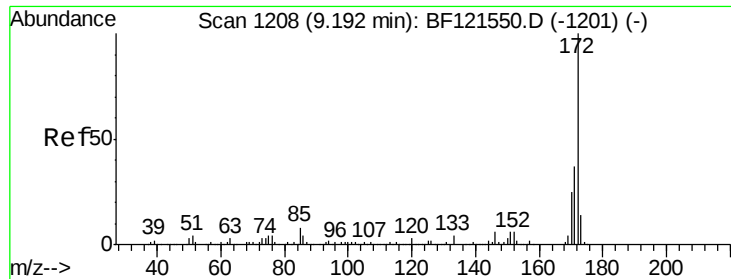
#42  
2,4,6-Tribromophenol  
Concen: 87.330 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.9  | 77.1 | 115.7 |       |
| 141     | 25.5  | 23.6 | 35.4  |       |



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





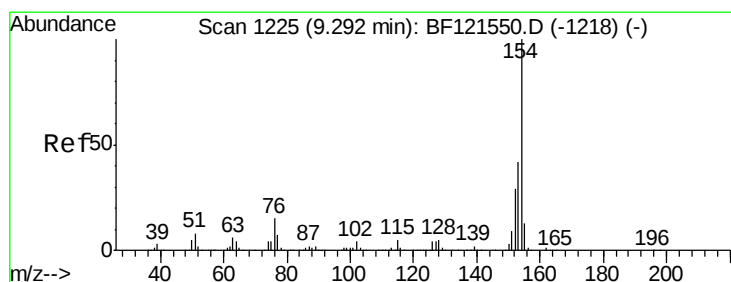
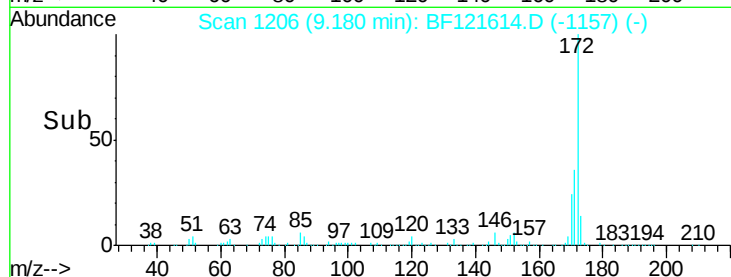
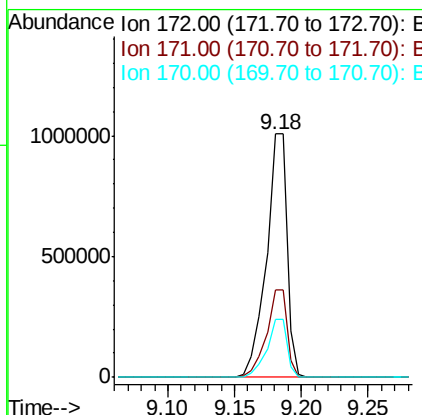
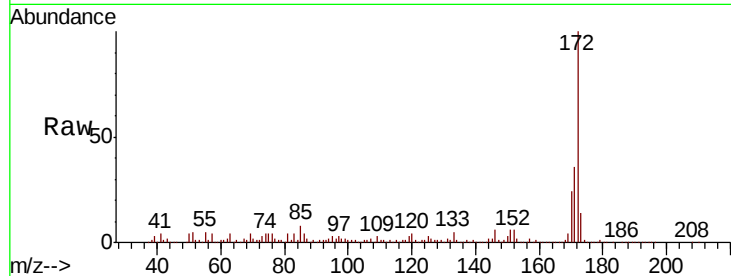
#45  
2-Fluorobiphenyl  
Concen: 65.564 ng  
RT: 9.18 min Scan# 1206  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.8  | 44.6  |
| 170     | 23.7  | 19.8  | 29.8  |

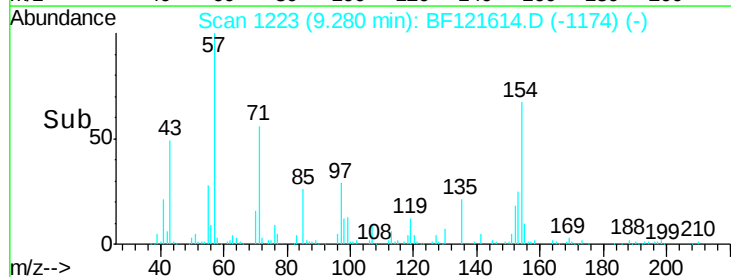
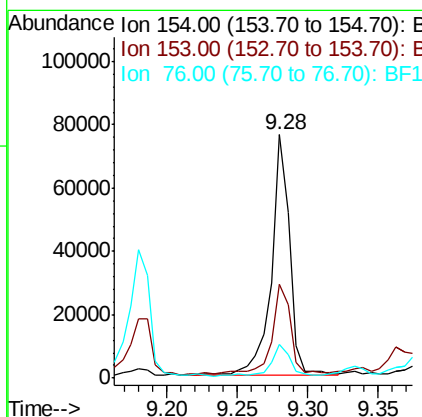
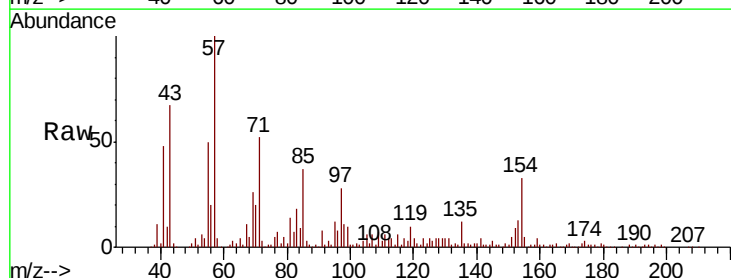
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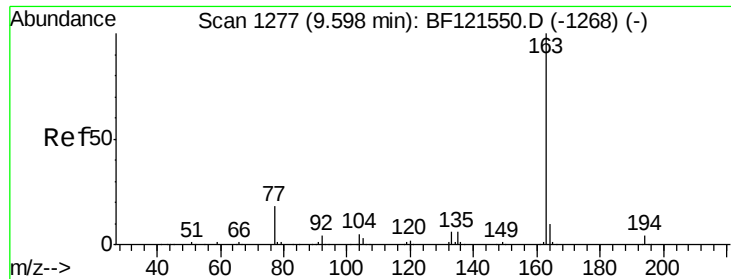
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#46  
1,1'-Biphenyl  
Concen: 3.398 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 38.7  | 21.7  | 61.7  |
| 76      | 14.0  | 0.0   | 35.5  |





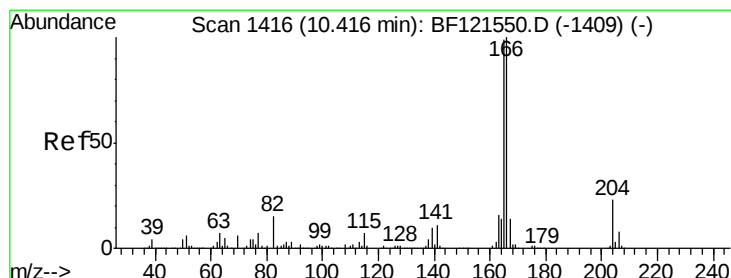
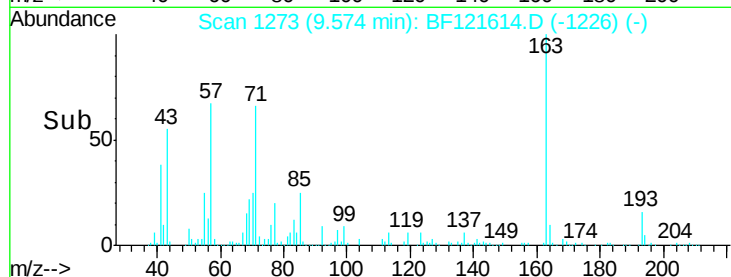
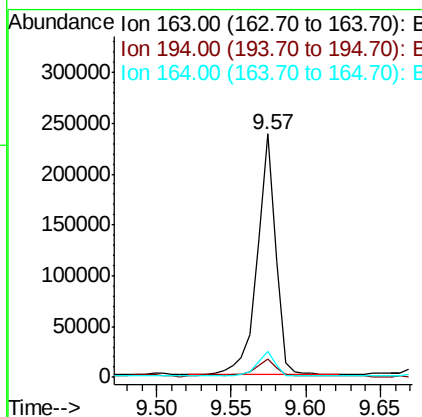
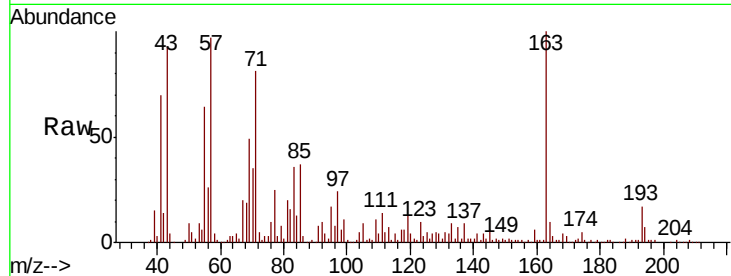
#50  
Dimethylphthalate  
Concen: 11.041 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. -0.02 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 202654 |       |       |
| 194     | 7.3   | 3.4    | 5.0#  |       |
| 164     | 10.5  | 7.9    | 11.9  |       |

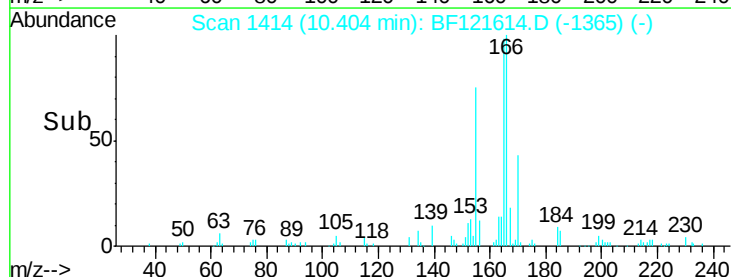
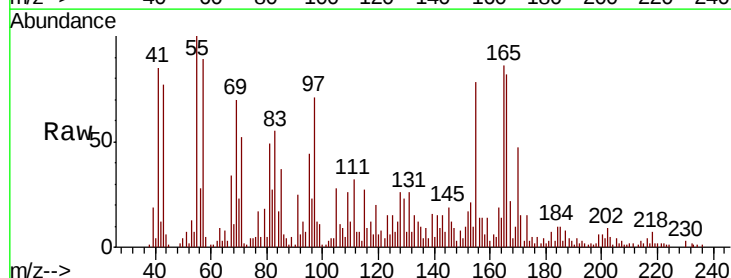
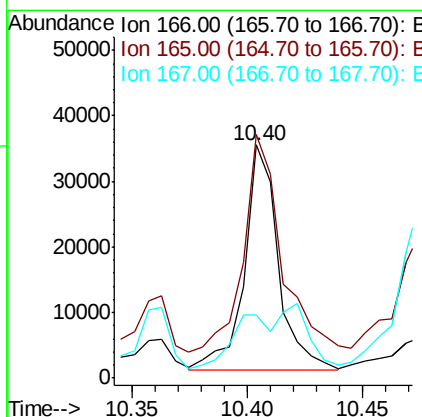
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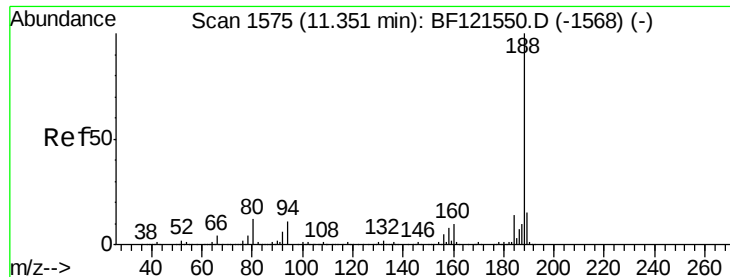
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#58  
Fluorene  
Concen: 2.124 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 166     | 100   | 35464 |       |       |
| 165     | 104.5 | 79.0  | 118.4 |       |
| 167     | 27.3  | 11.0  | 16.6# |       |





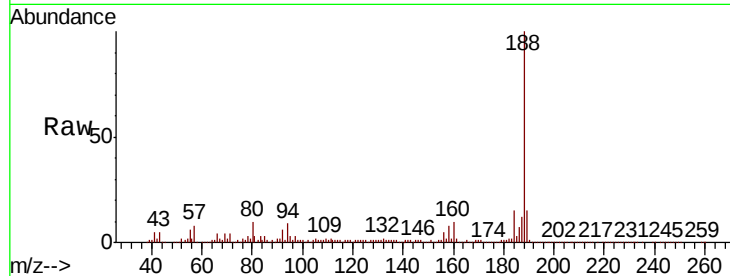
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
JA-DRUM-COMP

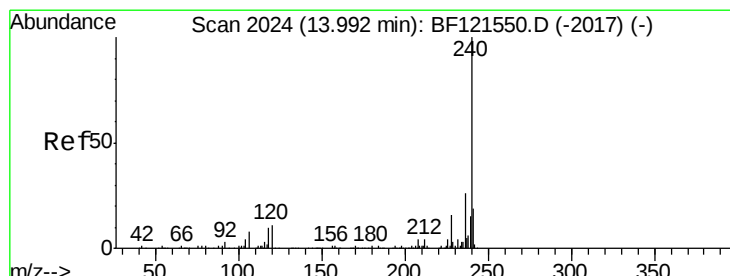
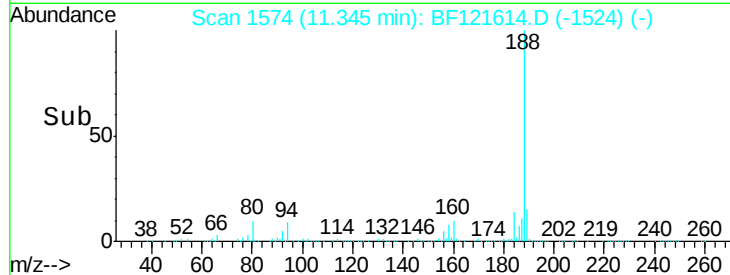
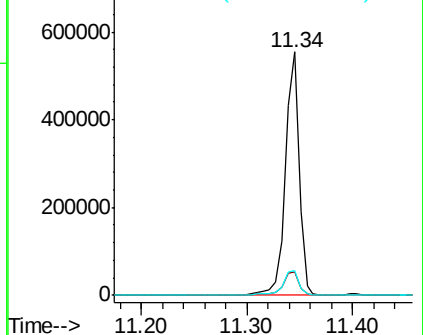
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 496719 |       |       |
| 94      | 9.5   | 8.7    | 13.1  |       |
| 80      | 10.2  | 9.3    | 13.9  |       |

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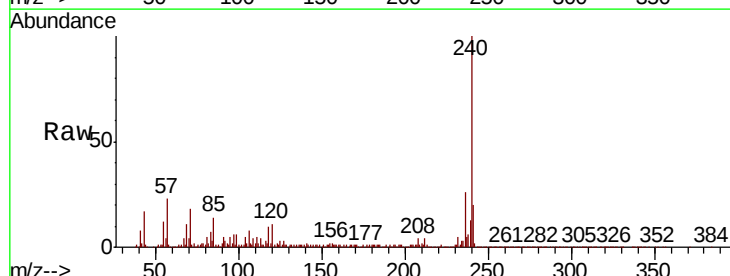


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

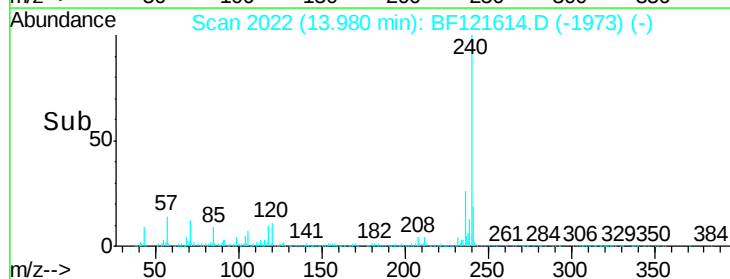
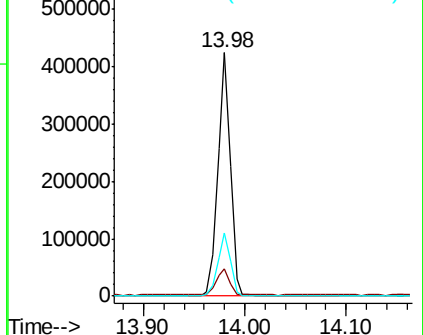


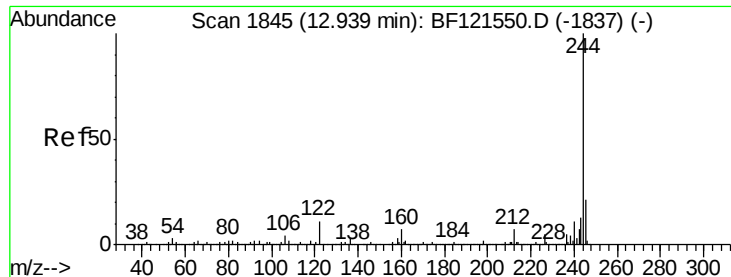
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF121614.D  
Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 362505 |       |       |
| 120     | 11.3  | 9.2    | 13.8  |       |
| 236     | 25.7  | 20.5   | 30.7  |       |



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





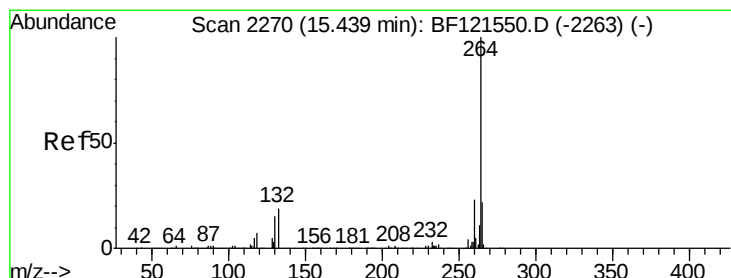
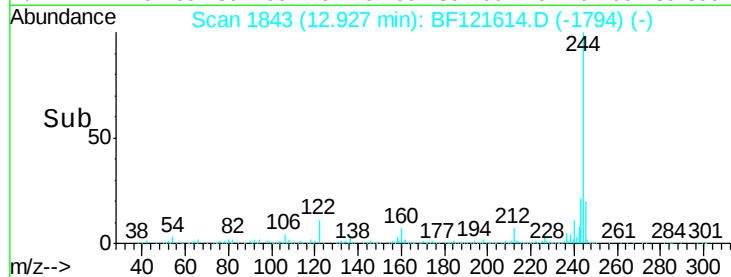
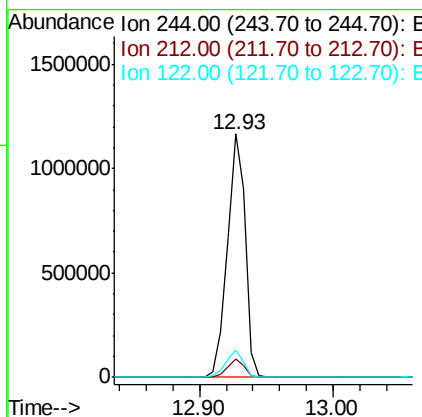
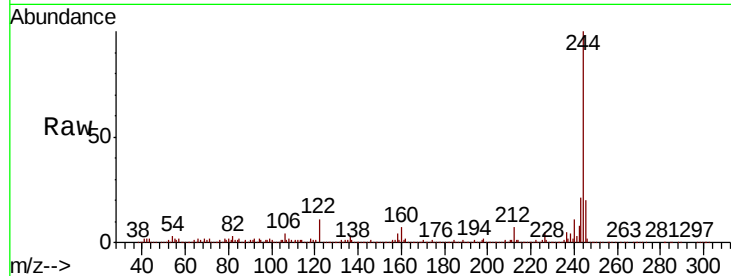
#79  
 Terphenyl-d14  
 Concen: 61.460 ng  
 RT: 12.93 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: BF121614.D  
 Acq: 18 Sep 2020 13:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JA-DRUM-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 5.7   | 8.5   |
| 122     | 11.3  | 8.7   | 13.1  |

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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: BF121614.D  
 Acq: 18 Sep 2020 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.8  | 28.2  |
| 265     | 21.3  | 17.8  | 26.6  |

