

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
 Data File : BF100523.D  
 Acq On : 14 Nov 2017 4:33  
 Operator : SJ/JU  
 Sample : I6301-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-A

Manual Integrations  
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SOHIL  
 11/14/2017 5:20:44 PM

Quant Time: Nov 14 08:49:05 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 14 02:37:14 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 133074   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.17  | 136  | 501033   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.93  | 164  | 198720   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.41 | 188  | 300181   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.05 | 240  | 277867   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.53 | 264  | 209664   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 777026   | 93.60  | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 937959   | 91.62  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 583950   | 77.05  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 168743   | 83.33  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 910915   | 69.80  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.00 | 244  | 608495   | 50.32  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.53  | 94   | 40778    | 3.794  | ng    | 97       |
| 49) Dimethylphthalate       | 9.63  | 163  | 175238   | 11.550 | ng    | 99       |
| 74) Fluoranthene            | 12.62 | 202  | 77047    | 4.600  | ng    | 97       |
| 77) Pyrene                  | 12.85 | 202  | 72459    | 3.658  | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.04 | 228  | 48927m   | 2.924  | ng    |          |
| 82) Chrysene                | 14.07 | 228  | 43769    | 2.701  | ng    | 97       |
| 87) Benzo(b)fluoranthene    | 15.09 | 252  | 49398m   | 3.977  | ng    |          |
| 89) Benzo(a)pyrene          | 15.46 | 252  | 33117    | 3.007  | ng    | # 91     |
| 91) Benzo(g,h,i)perylene    | 17.46 | 276  | 18585    | 2.108  | ng    | # 89     |

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

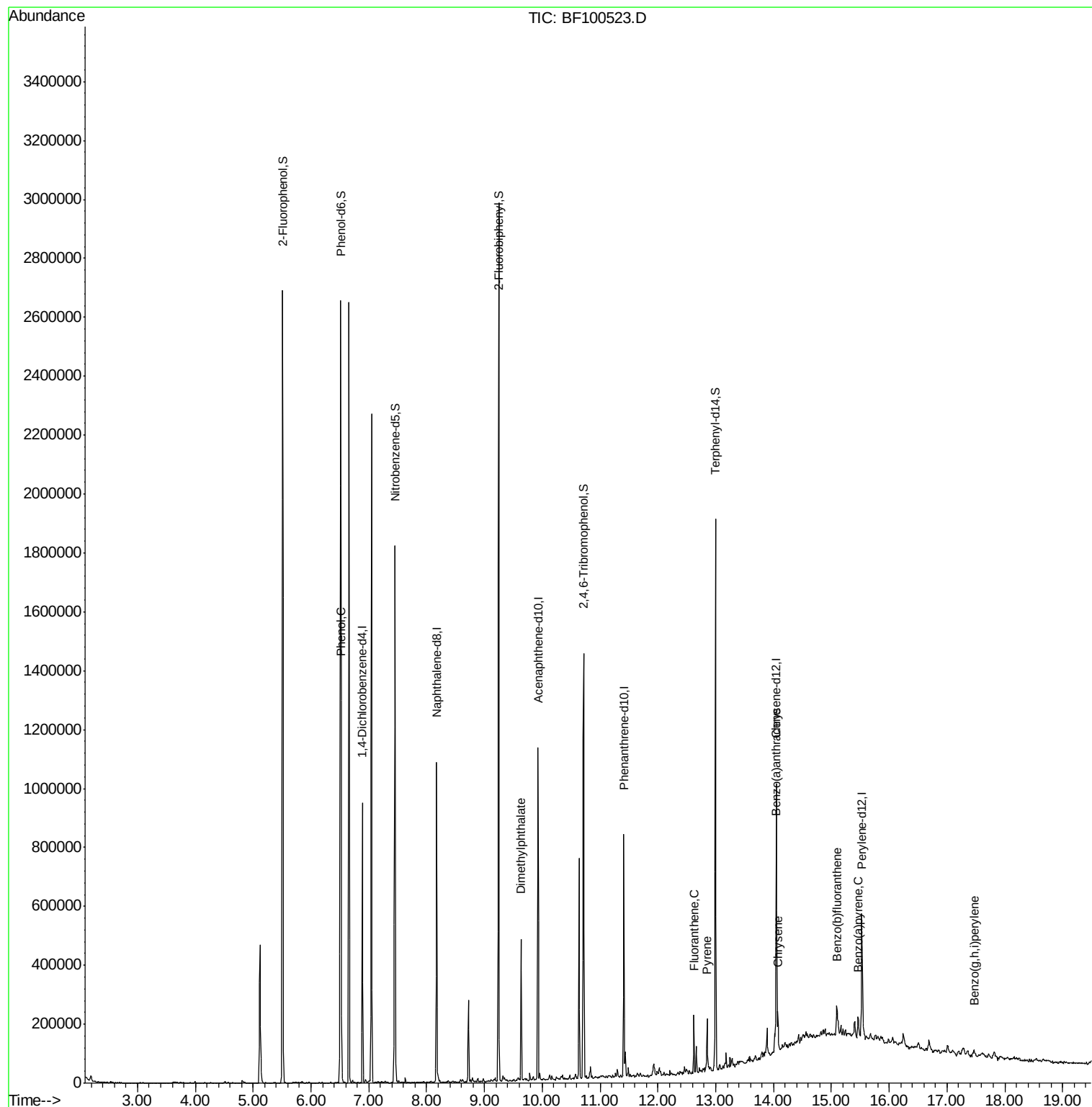
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100523.D  
Acq On : 14 Nov 2017 4:33  
Operator : SJ/JU  
Sample : I6301-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

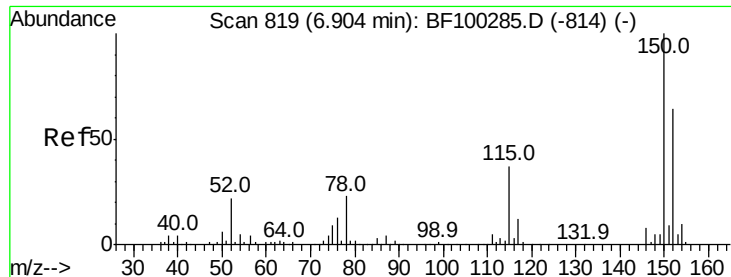
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

Manual Integrations  
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Quant Time: Nov 14 08:49:05 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 14 02:37:14 2017  
Response via : Initial Calibration





#1

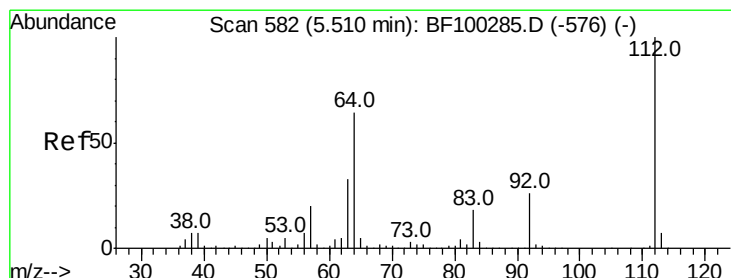
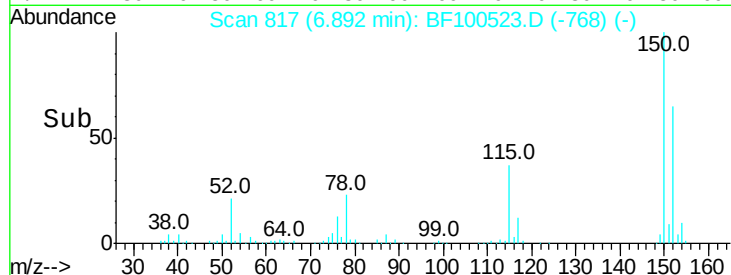
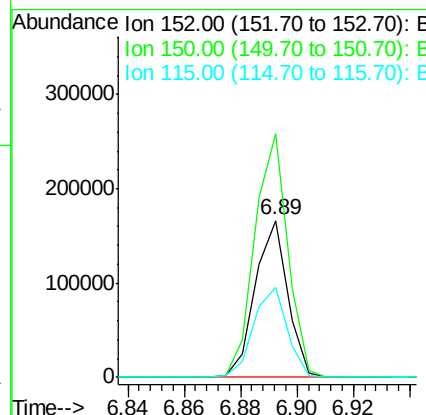
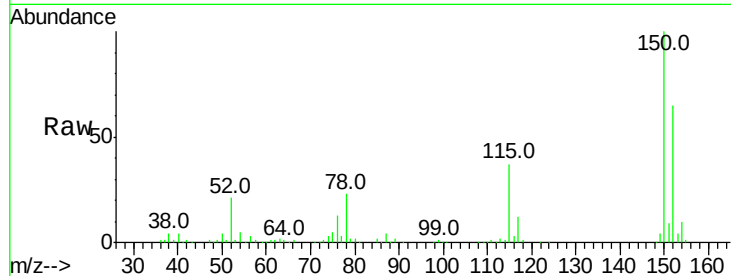
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 124.6 | 186.8 |
| 115     | 57.6  | 50.1  | 75.1  |

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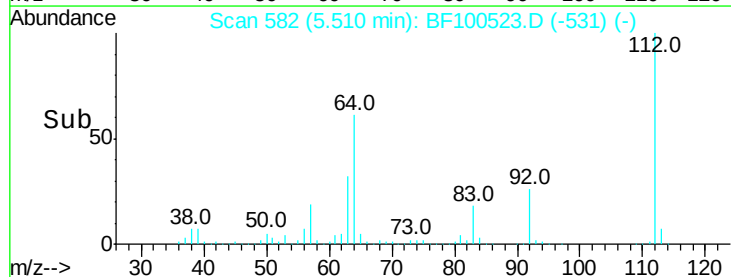
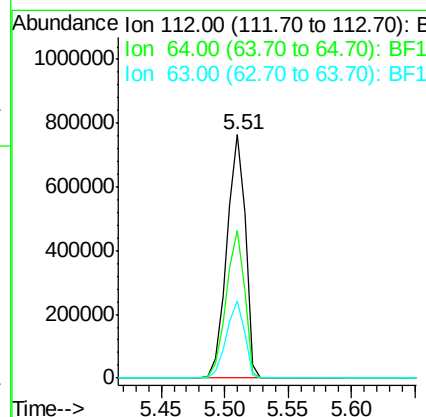
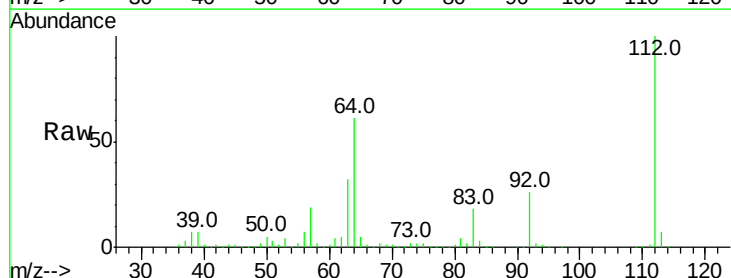
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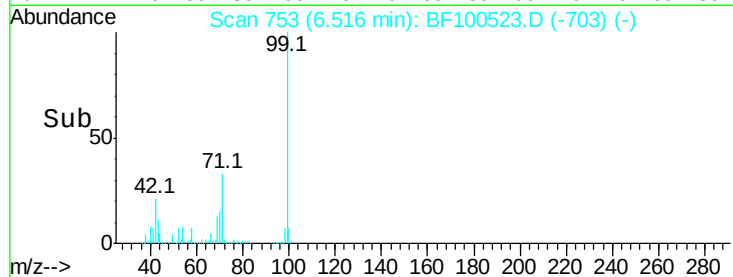
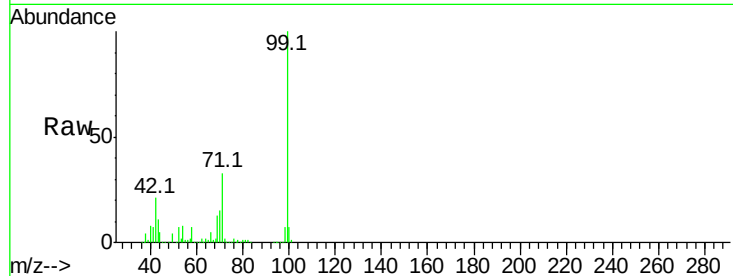
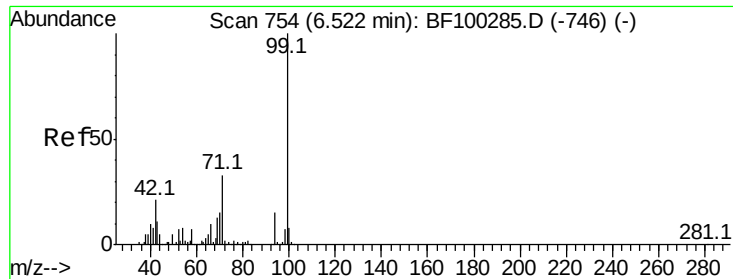


#5

2-Fluorophenol  
Concen: 93.599 ng  
RT: 5.51 min Scan# 582  
Delta R.T. -0.00 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.8  | 47.9  | 71.9  |
| 63      | 31.8  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 91.624 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

| Tot Ion   | 99    | Resp  | 937959 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.8  | 14.5  | 21.7   |
| 71        | 33.3  | 25.4  | 38.0   |

Instrument :

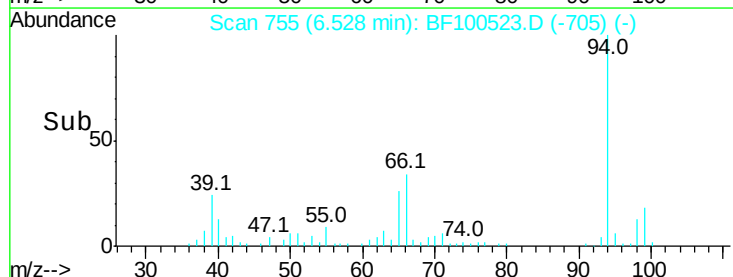
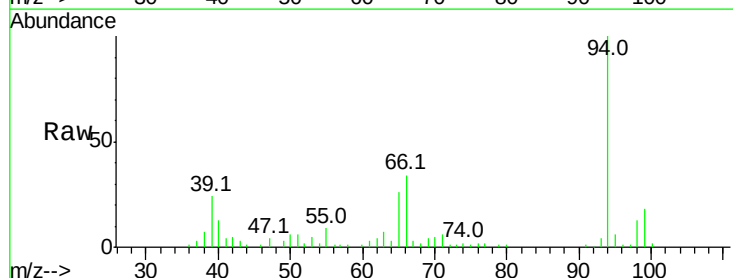
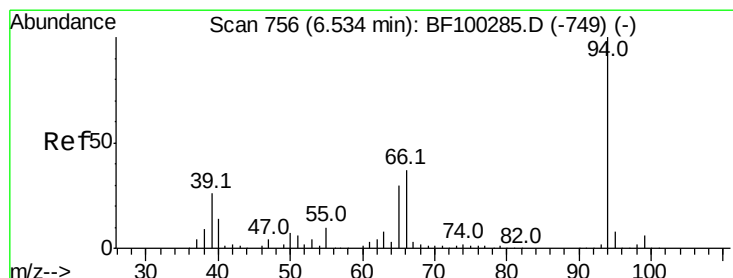
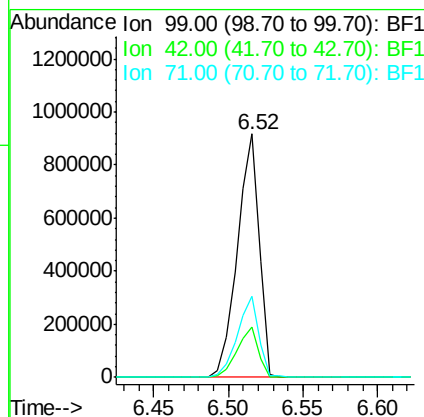
BNA\_F

ClientSampleId :

JC-02-110917-A

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#10

Phenol

Concen: 3.794 ng

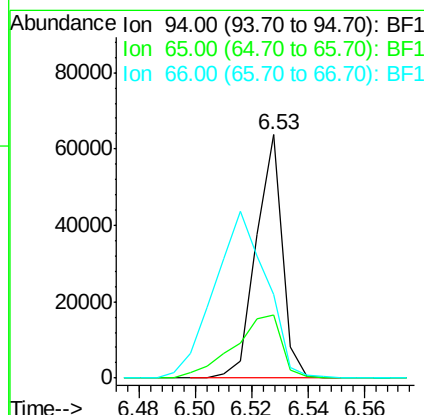
RT: 6.53 min Scan# 755

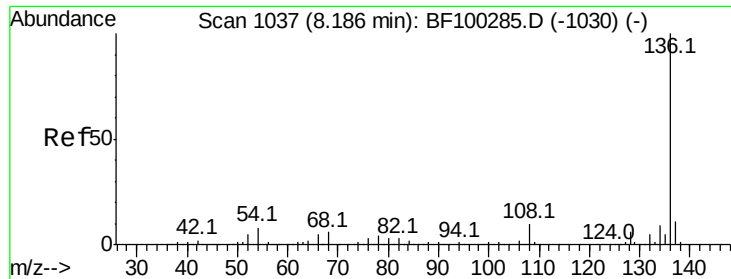
Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

| Tgt Ion   | 94    | Resp  | 40778 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 26.0  | 7.9   | 47.9  |
| 66        | 34.3  | 16.2  | 56.2  |





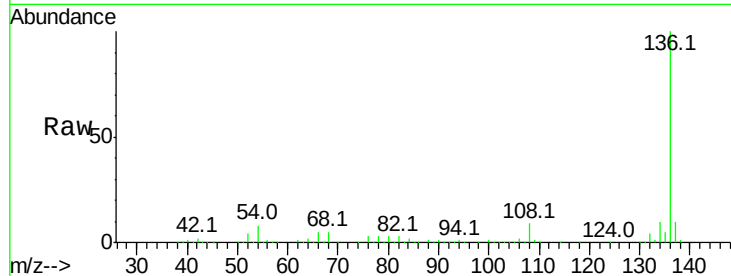
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

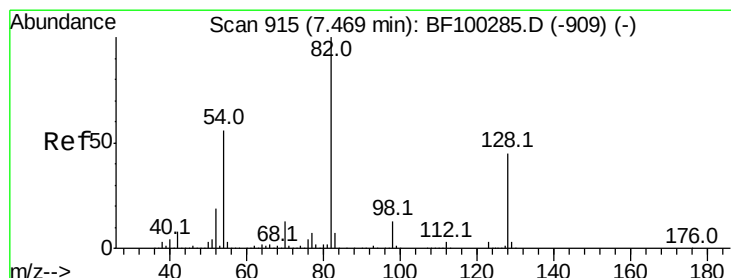
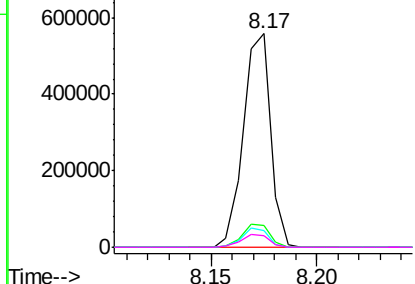
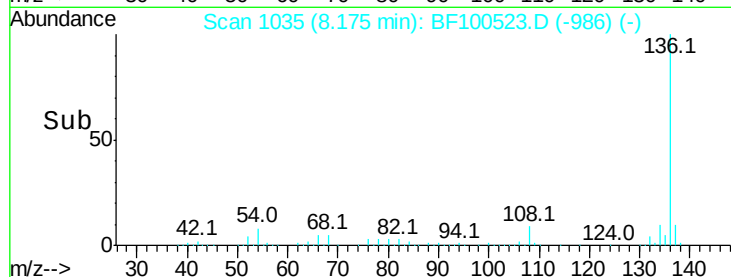
| Tot Ion   | 136   | Resp  | 501033 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.4  | 8.9   | 13.3   |
| 54        | 8.0   | 6.6   | 9.8    |
| 68        | 5.4   | 5.0   | 7.4    |

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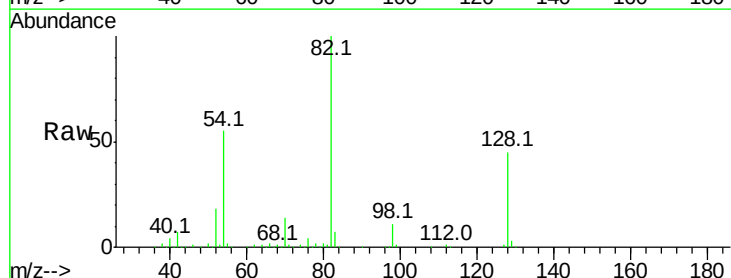


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

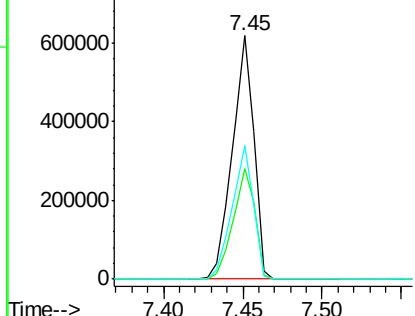
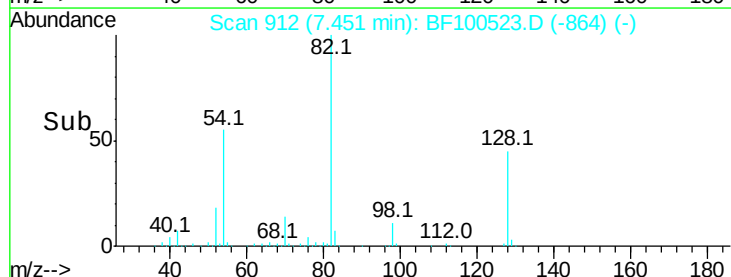


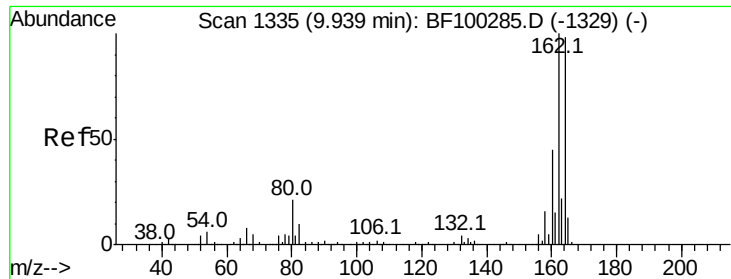
#23  
Nitrobenzene-d5  
Concen: 77.055 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion   | 82    | Resp  | 583950 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.2  | 36.1  | 54.1   |
| 54        | 54.6  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF100523.D

Acq: 14 Nov 2017 4:33

Instrument :

BNA\_F

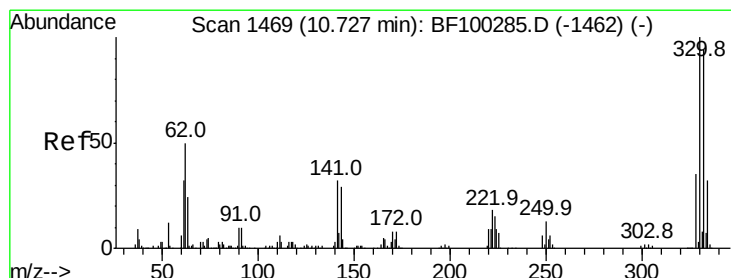
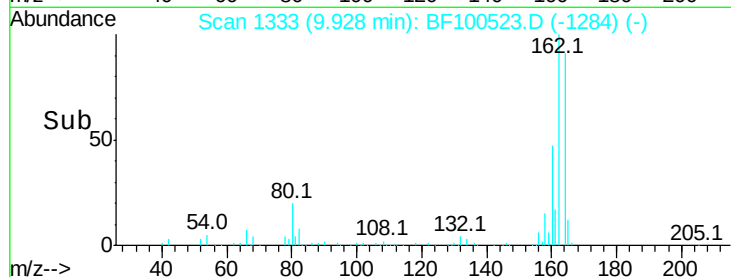
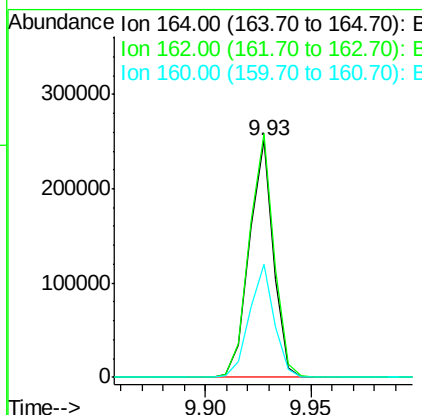
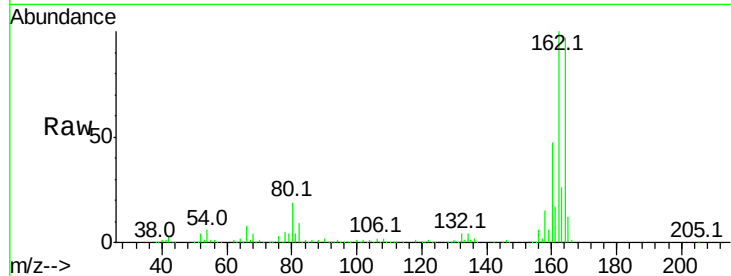
ClientSampleId :

JC-02-110917-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 198720 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.8 | 86.1  | 129.1  |
| 160       | 48.0  | 38.3  | 57.5   |

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#41

2,4,6-Tribromophenol

Concen: 83.332 ng

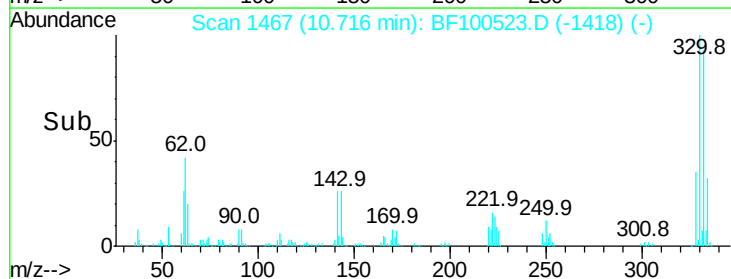
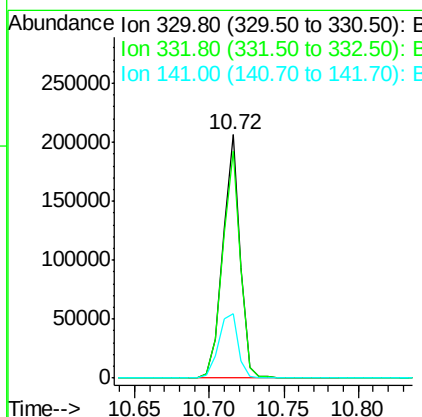
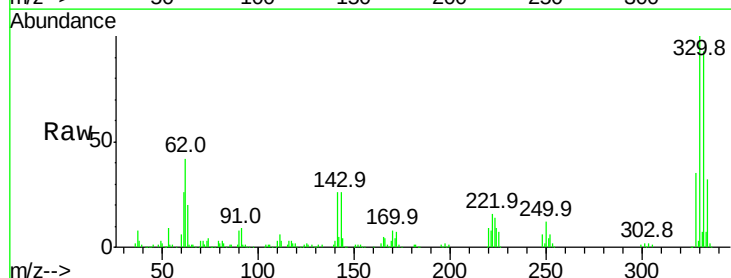
RT: 10.72 min Scan# 1467

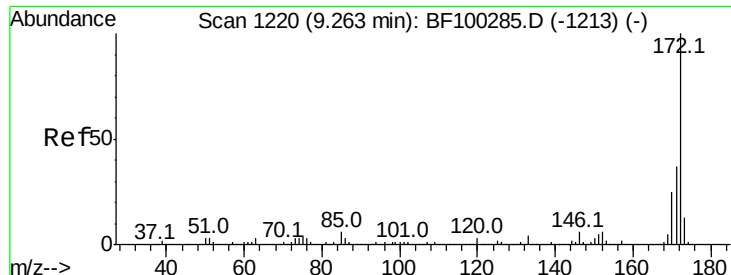
Delta R.T. -0.01 min

Lab File: BF100523.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 168743 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.0  | 77.0  | 115.6  |
| 141       | 30.6  | 29.9  | 44.9   |





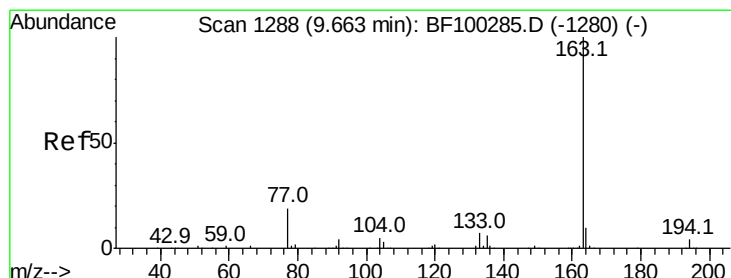
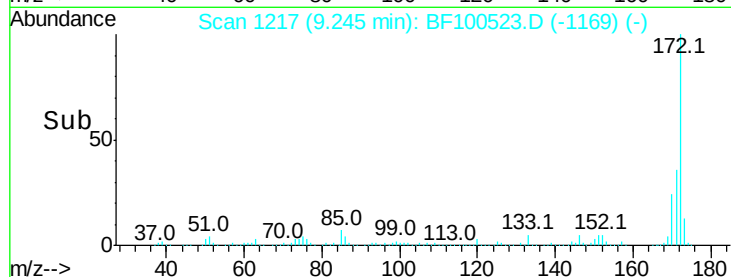
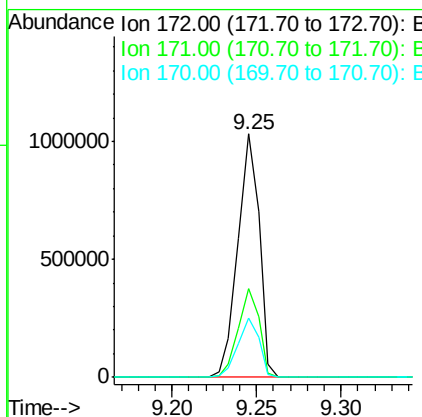
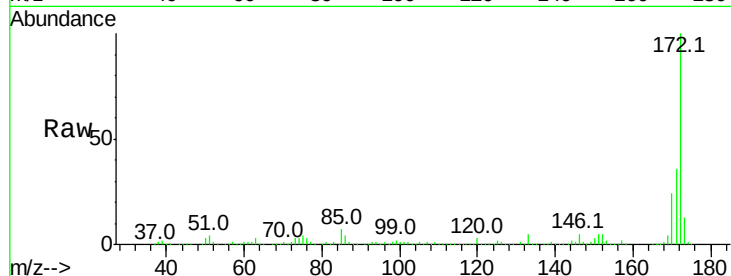
#44  
2-Fluorobiphenyl  
Concen: 69.800 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.4  | 29.7 | 44.5  |       |
| 170     | 24.4  | 19.6 | 29.4  |       |

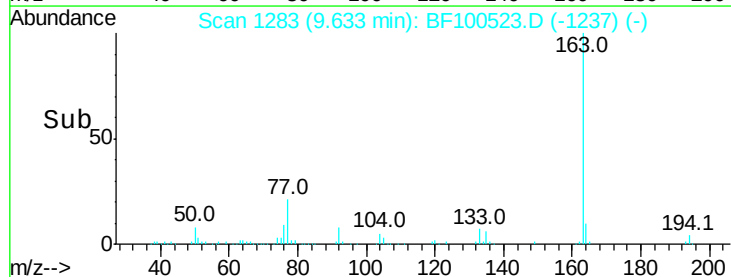
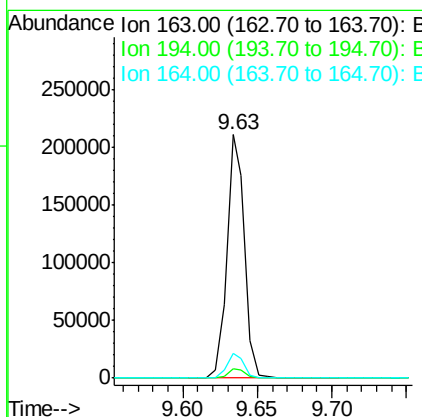
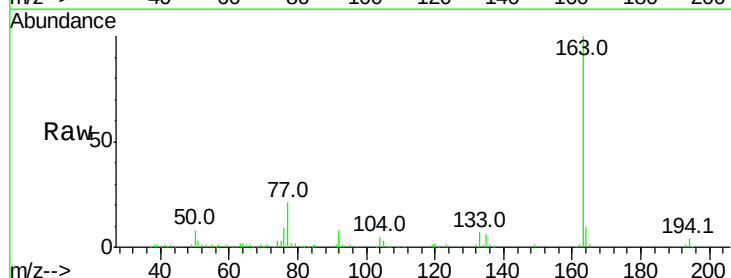
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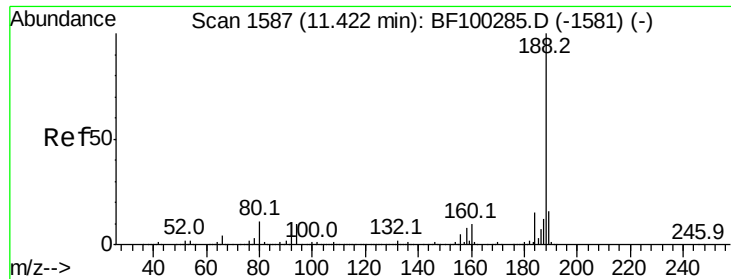
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#49  
Dimethylphthalate  
Concen: 11.550 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.03 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.7   | 2.7  | 4.1   |       |
| 164     | 10.0  | 8.2  | 12.2  |       |





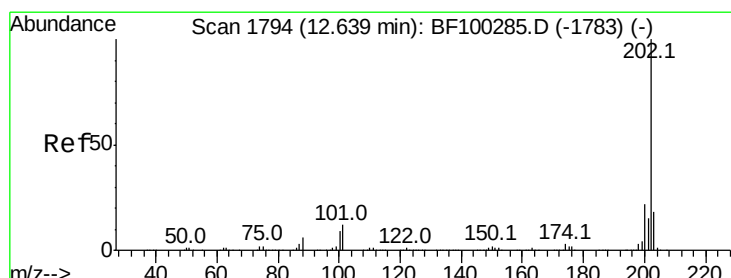
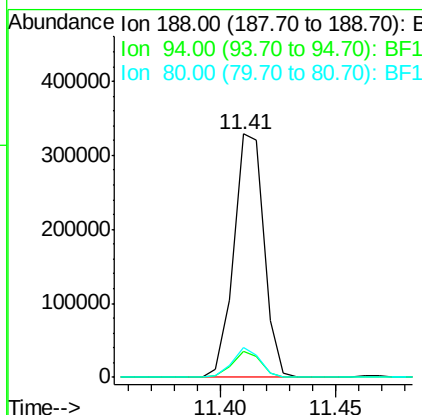
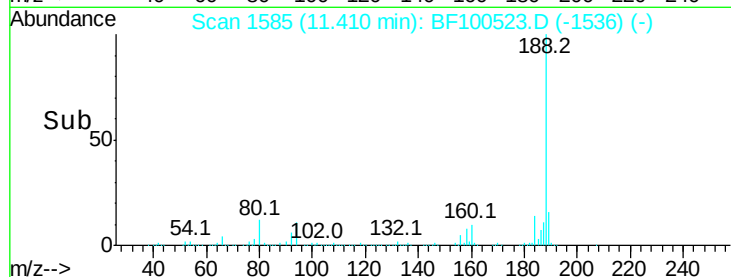
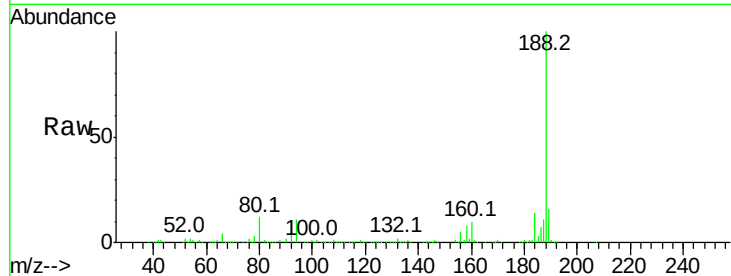
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 300181 |       |       |
| 94      | 10.9  | 8.5    | 12.7  |       |
| 80      | 12.1  | 9.2    | 13.8  |       |

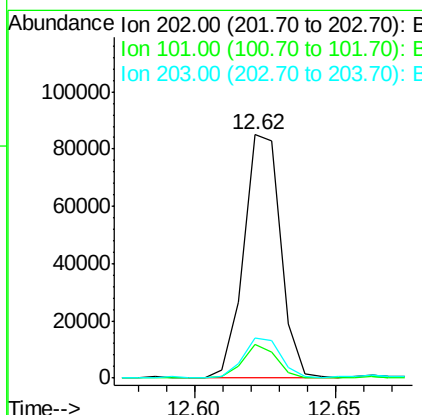
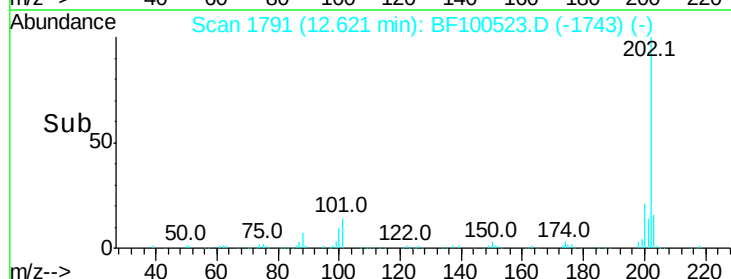
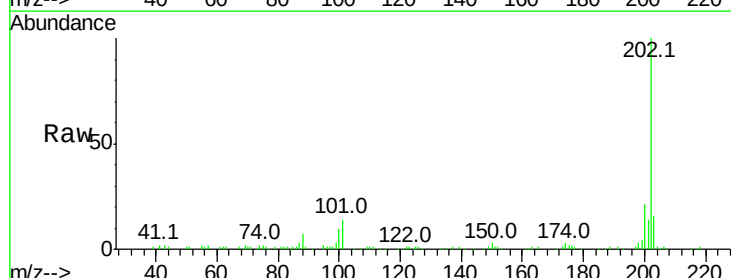
Manual Integrations  
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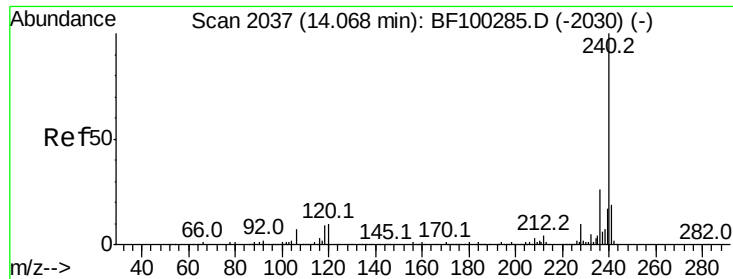


#74  
Fluoranthene  
Concen: 4.600 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 77047 |       |       |
| 101     | 13.6  | 0.0   | 34.1  |       |
| 203     | 16.4  | 0.0   | 38.1  |       |







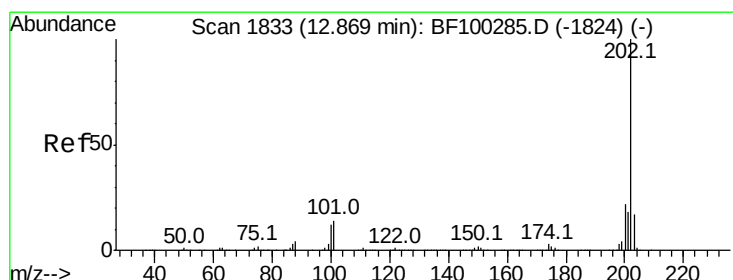
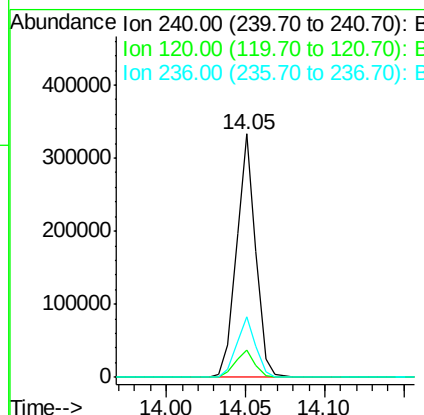
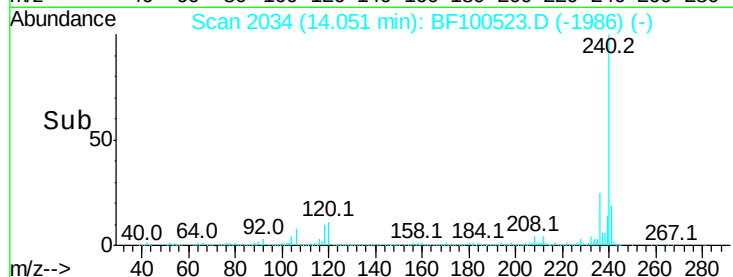
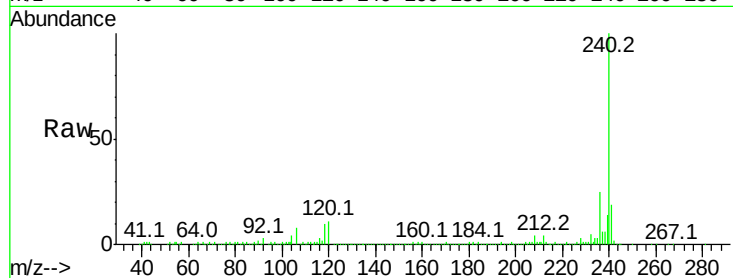
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 11.3  | 9.5        | 14.3  |
| 236     | 25.1  | 20.7       | 31.1  |

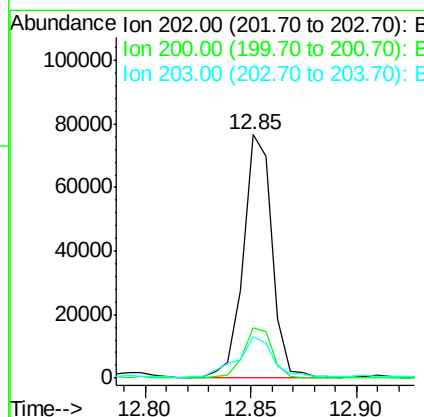
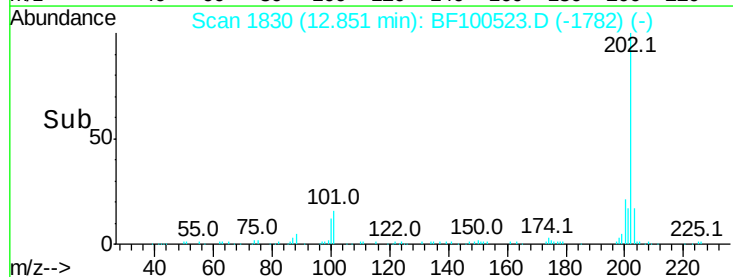
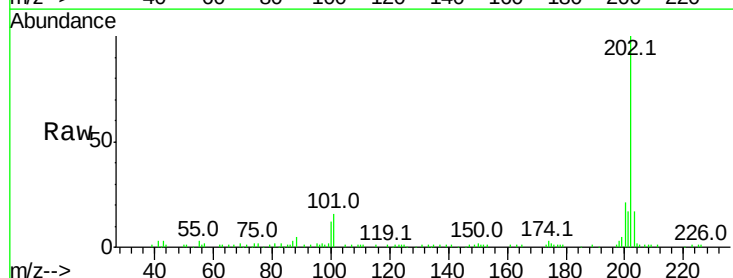
Manual Integrations  
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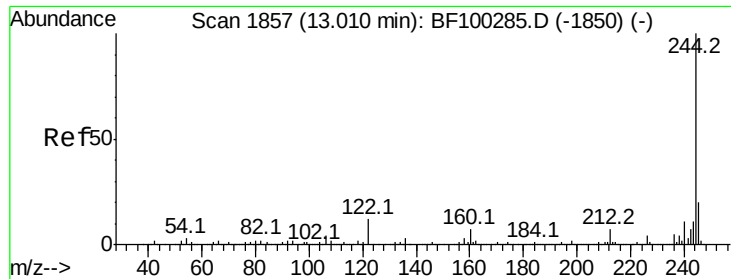
SOHIL  
11/14/2017 5:20:44 PM



#77  
Pyrene  
Concen: 3.658 ng  
RT: 12.85 min Scan# 1830  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 20.7  | 17.4       | 26.2  |
| 203     | 17.1  | 14.3       | 21.5  |





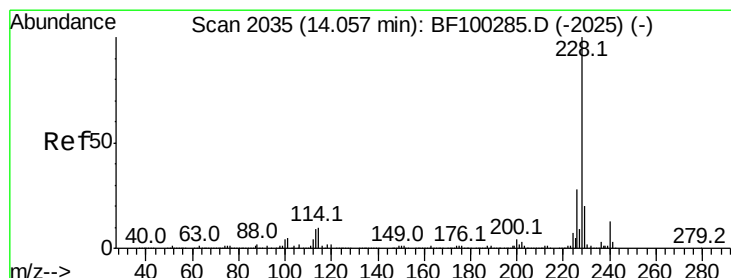
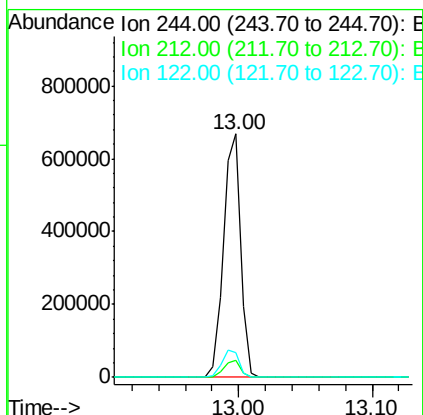
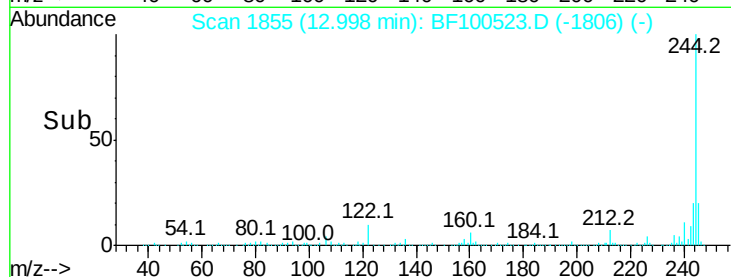
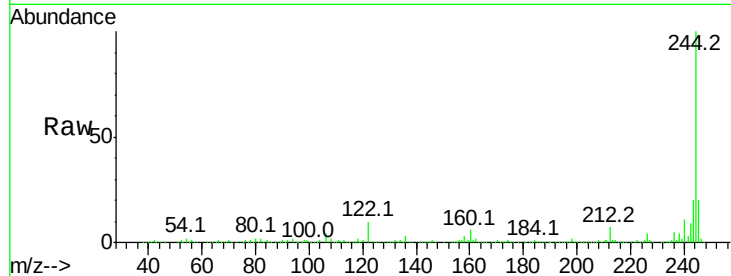
#78  
 Terphenyl-d14  
 Concen: 50.317 ng  
 RT: 13.00 min Scan# 1855  
 Delta R.T. -0.01 min  
 Lab File: BF100523.D  
 Acq: 14 Nov 2017 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.4   | 8.0   |
| 122     | 10.4  | 11.0  | 16.4  |

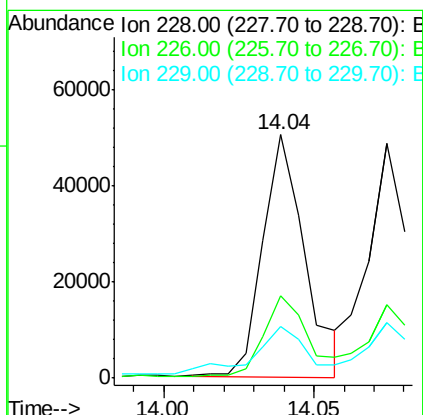
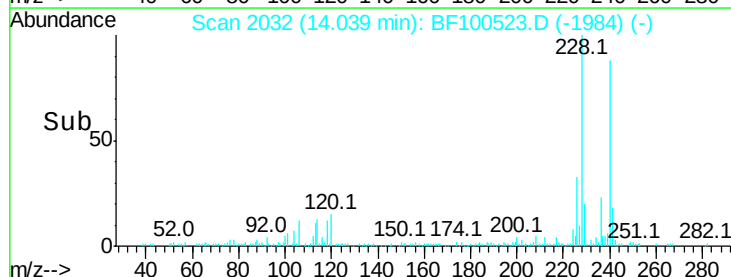
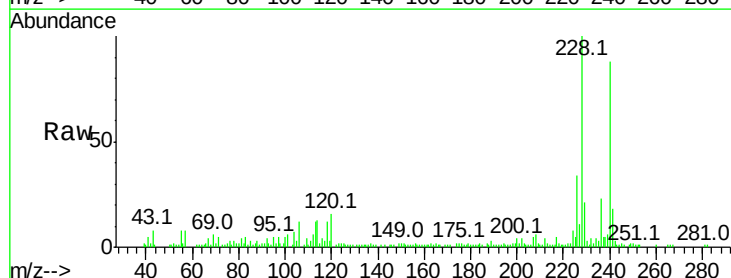
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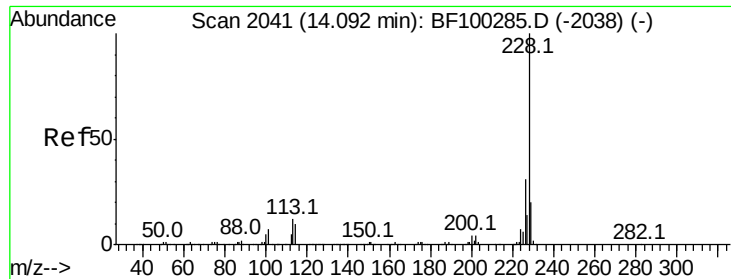
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#80  
 Benzo(a)anthracene  
 Concen: 2.924 ng m  
 RT: 14.04 min Scan# 2032  
 Delta R.T. -0.02 min  
 Lab File: BF100523.D  
 Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.0  | 22.6  | 33.8  |
| 229     | 21.0  | 15.8  | 23.6  |





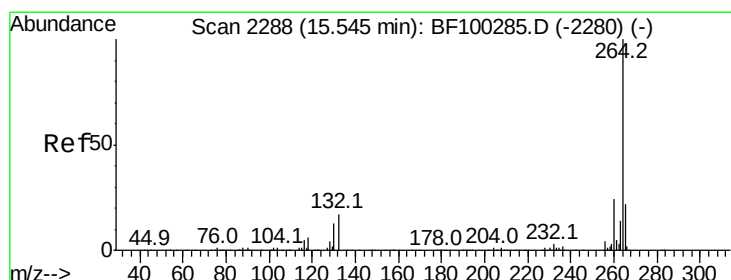
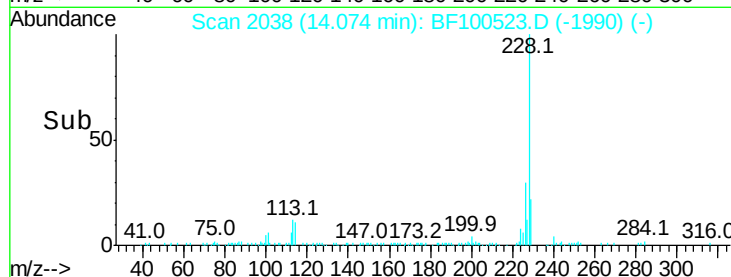
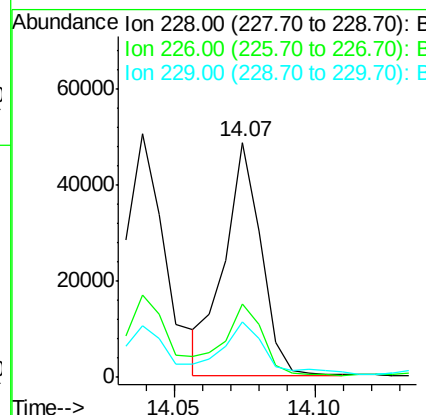
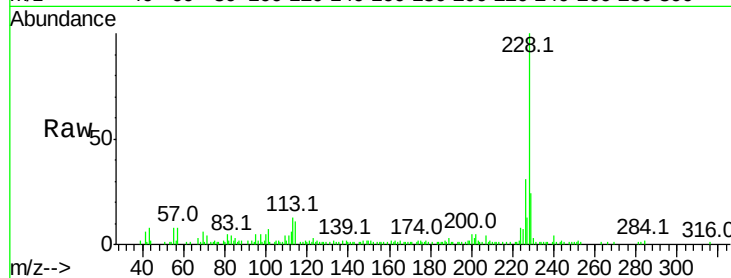
#82  
Chrysene  
Concen: 2.701 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 25.0  | 37.6  |
| 229     | 23.5  | 16.2  | 24.4  |

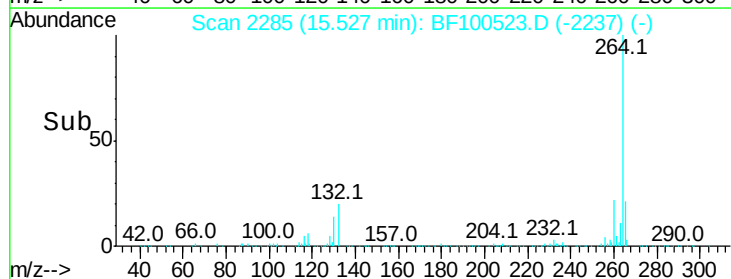
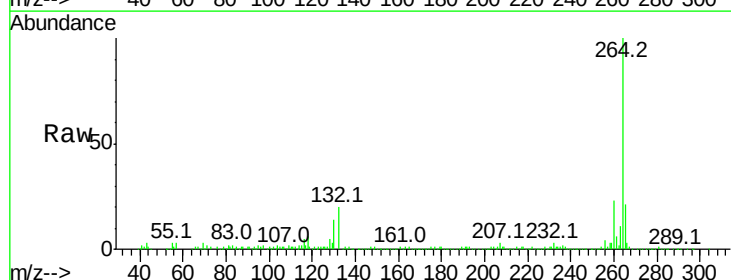
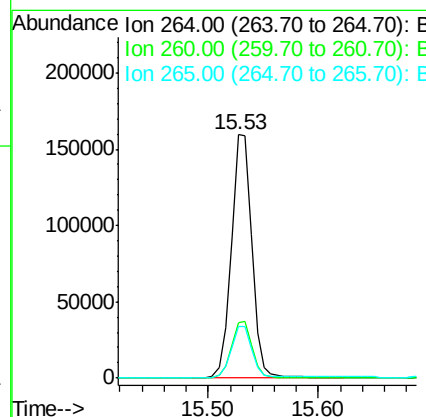
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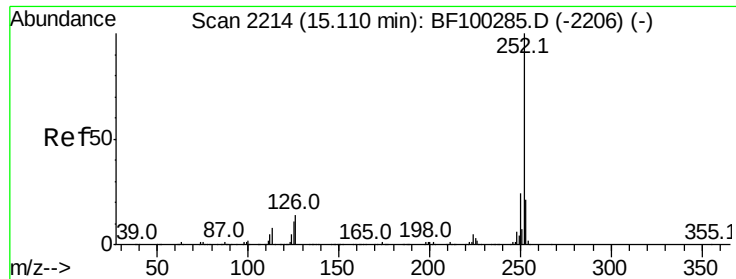
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11/14/2017 5:20:44 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.53 min Scan# 2285  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |





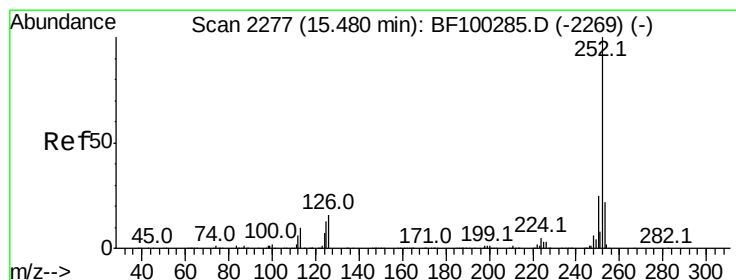
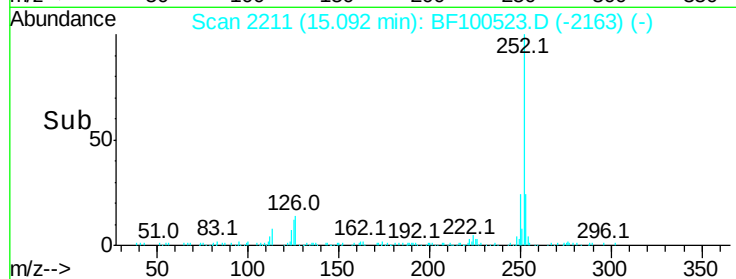
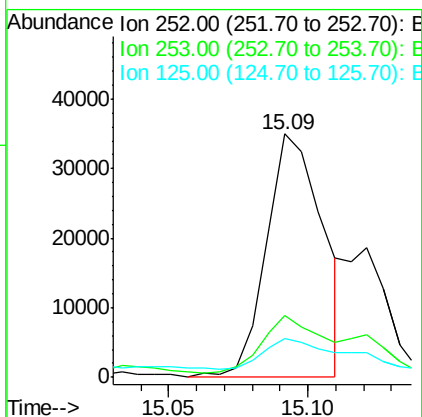
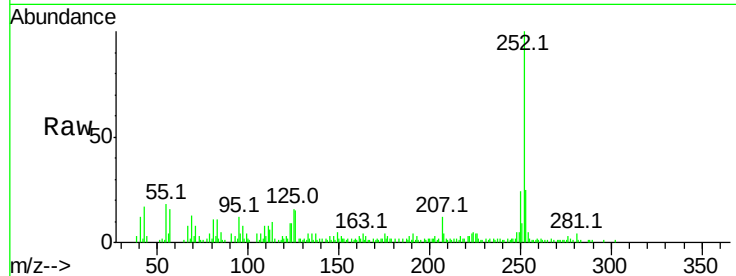
#87  
Benzo(b)fluoranthene  
Concen: 3.977 ng m  
RT: 15.09 min Scan# 2211  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.4  | 17.0  | 25.6  |
| 125     | 15.8  | 9.0   | 13.6  |

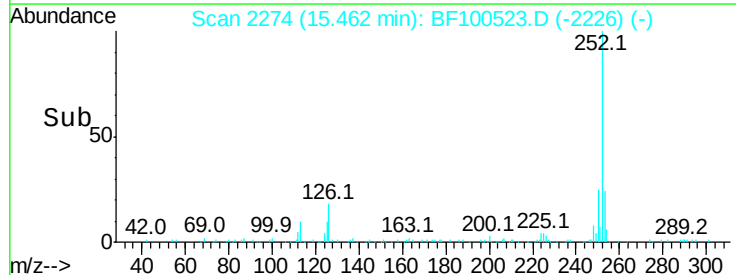
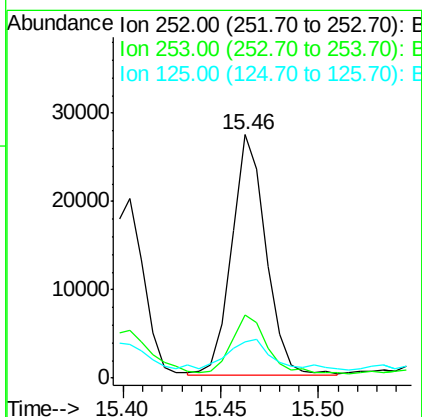
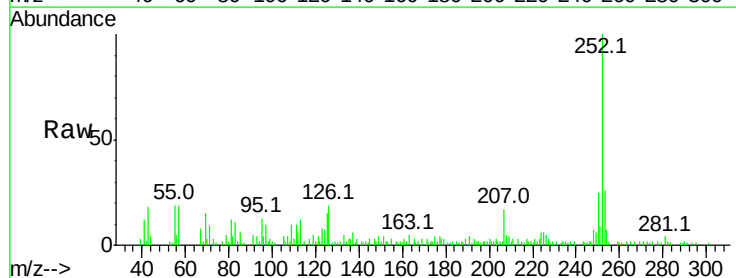
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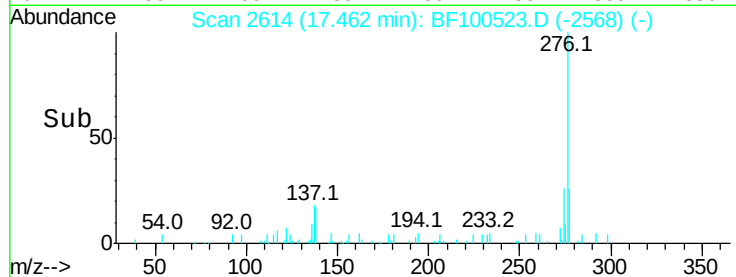
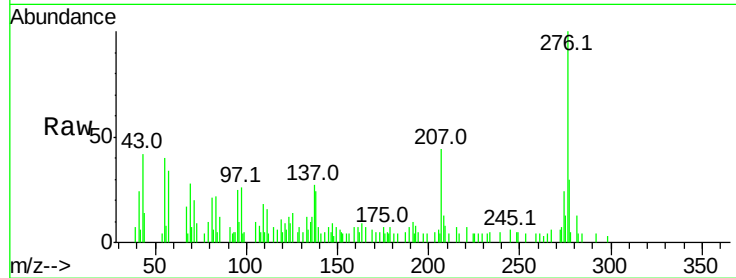
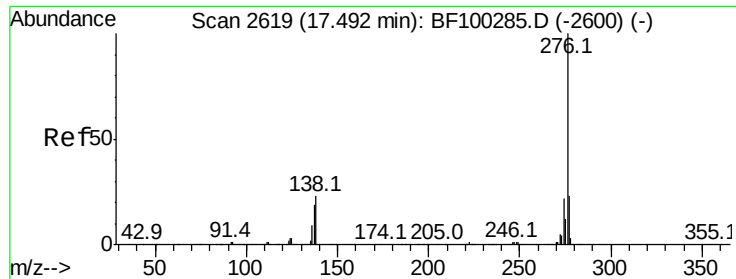
SOHIL  
11/14/2017 5:20:44 PM



#89  
Benzo(a)pyrene  
Concen: 3.007 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.02 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 17.1  | 25.7  |
| 125     | 15.1  | 9.8   | 14.6  |





#91  
Benzo(a,h,i)perylene  
Concen: 2.108 ng  
RT: 17.46 min Scan# 2614  
Delta R.T. -0.03 min  
Lab File: BF100523.D  
Acq: 14 Nov 2017 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 30.5  | 17.9       | 26.9# |
| 138     | 23.8  | 21.8       | 32.8  |

Manual Integrations  
APPROVED

SOHIL  
11/14/2017 5:20:44 PM

