

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\  
 Data File : BF106491.D  
 Acq On : 15 Jun 2018 15:01  
 Operator : JU/SJ  
 Sample : J3471-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 #1

Manual Integrations  
 APPROVED

Sohil  
 6/18/2018 10:38:22 AM

Quant Time: Jun 15 23:57:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 15 11:11:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 113196   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 422463   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.01 | 164  | 181922   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 294738   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 301304   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.69 | 264  | 275949   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 678949   | 101.52 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.61  | 99   | 823665   | 97.48  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 552170   | 76.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 178462   | 101.95 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 840598   | 80.76  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 687586   | 56.68  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 49) Dimethylphthalate          | 9.71  | 163  | 99503    | 7.656  | ng    | 98       |
| 70) Phenanthrene               | 11.52 | 178  | 39961    | 2.768  | ng    | 98       |
| 74) Fluoranthene               | 12.71 | 202  | 95799    | 6.223  | ng    | 96       |
| 77) Pyrene                     | 12.94 | 202  | 92396    | 4.898  | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.14 | 228  | 53807    | 3.001  | ng    | 97       |
| 82) Chrysene                   | 14.18 | 228  | 57162    | 3.492  | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 80429    | 7.944  | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 15.24 | 252  | 81310m   | 4.874  | ng    |          |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 48585    | 3.238  | ng    | # 92     |
| 91) Benzo(g,h,i)perylene       | 17.74 | 276  | 25513    | 2.099  | ng    | 91       |

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

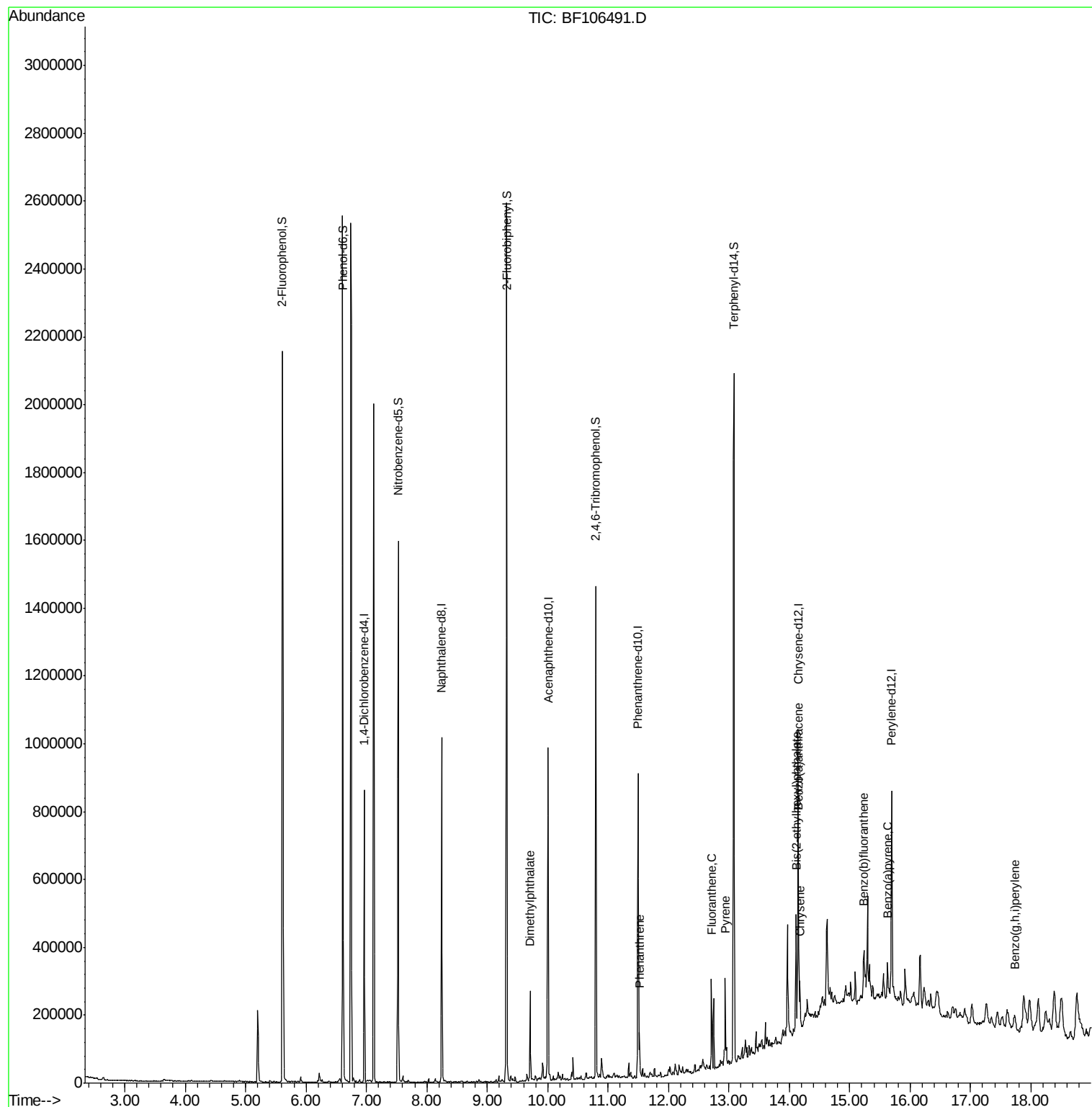
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\  
Data File : BF106491.D  
Acq On : 15 Jun 2018 15:01  
Operator : JU/SJ  
Sample : J3471-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

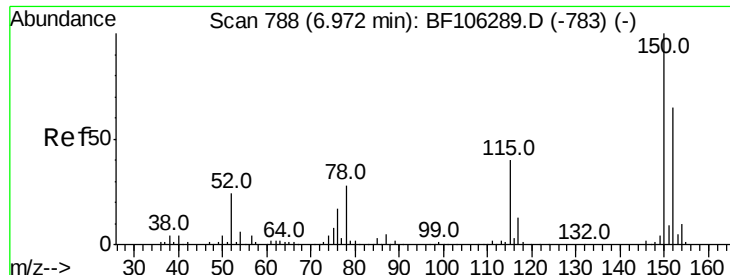
Instrument :  
BNA\_F  
ClientSampleId :  
#1

Manual Integrations  
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6/18/2018 10:38:22 AM

Quant Time: Jun 15 23:57:44 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 15 11:11:47 2018  
Response via : Initial Calibration





#1

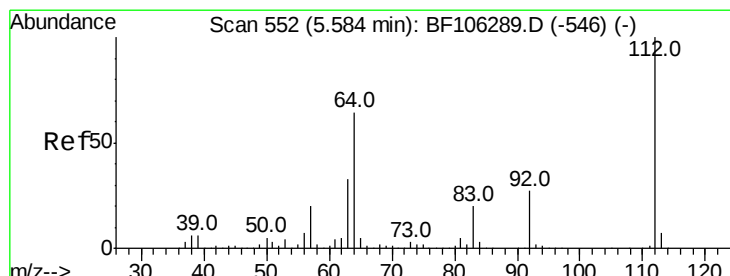
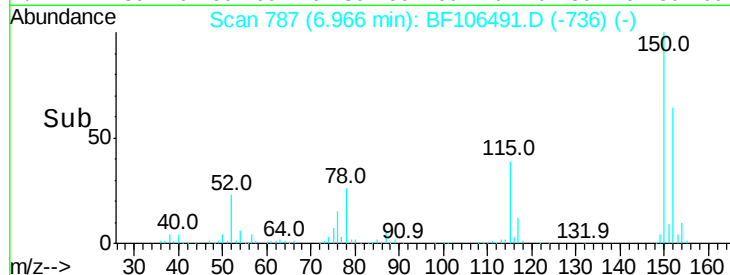
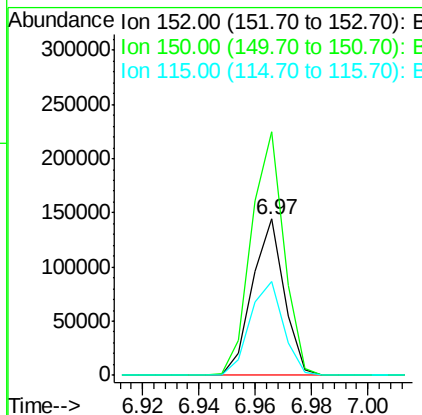
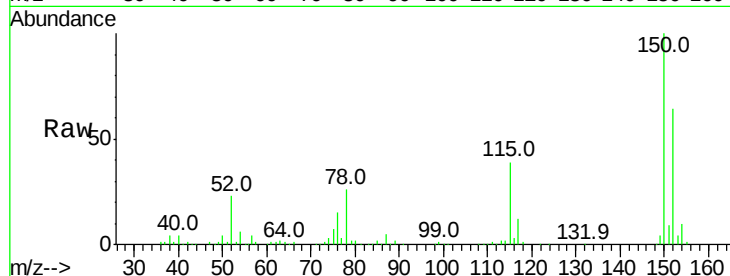
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampled :  
#1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 124.6 | 186.8 |
| 115     | 60.5  | 50.1  | 75.1  |

Manual Integrations  
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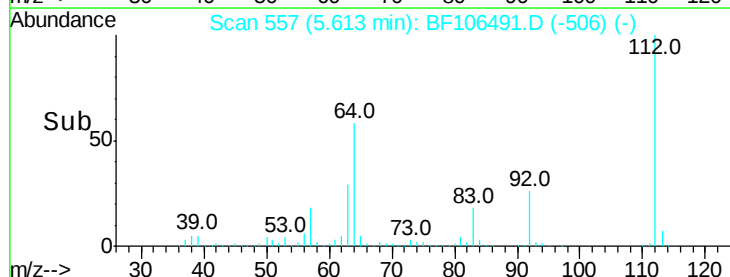
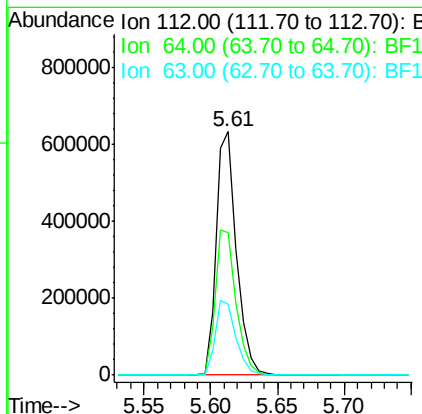
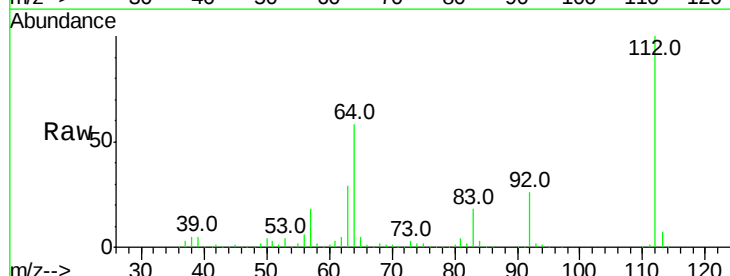
Sohil  
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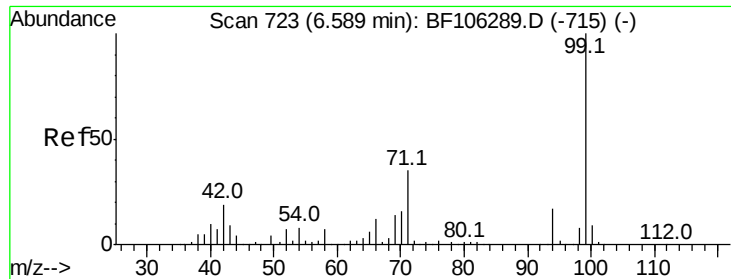


#5

2-Fluorophenol  
Concen: 101.516 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 47.9  | 71.9  |
| 63      | 29.3  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 97.478 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

Instrument :

BNA\_F

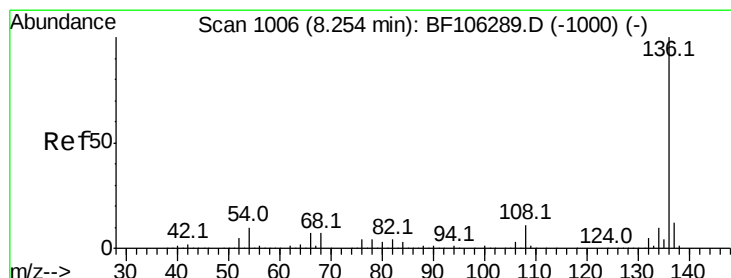
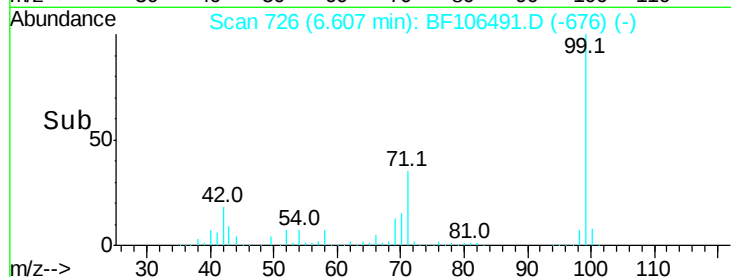
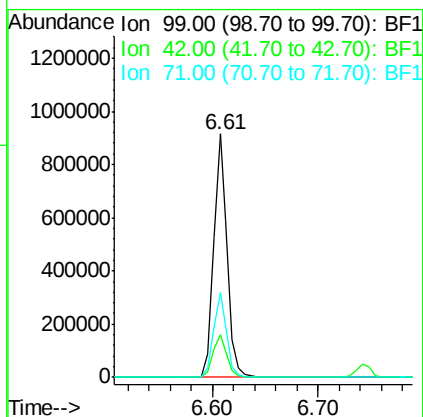
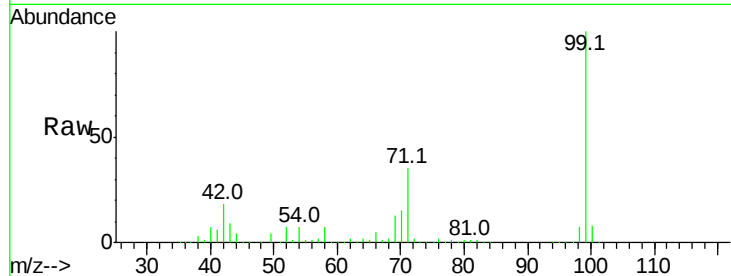
ClientSampleId :

#1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 823665 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.8  | 14.5  | 21.7   |
| 71        | 35.0  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

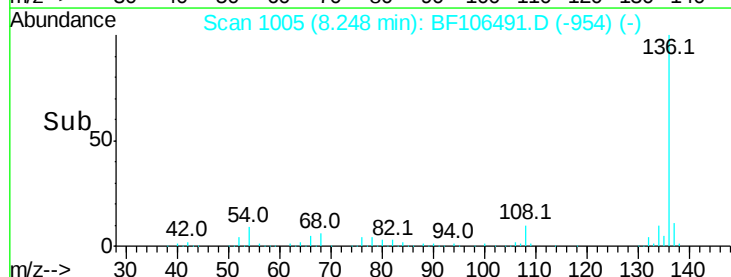
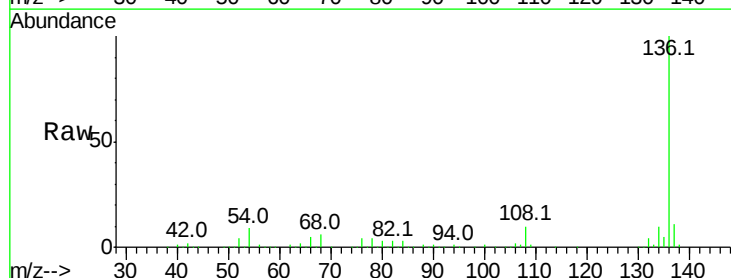
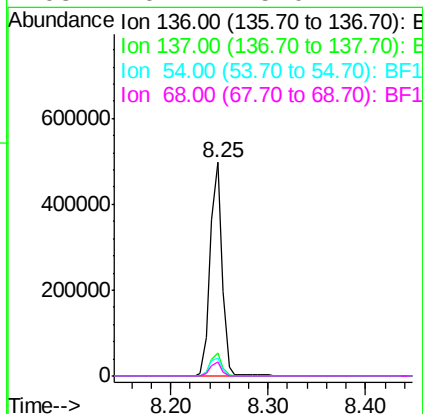
RT: 8.25 min Scan# 1005

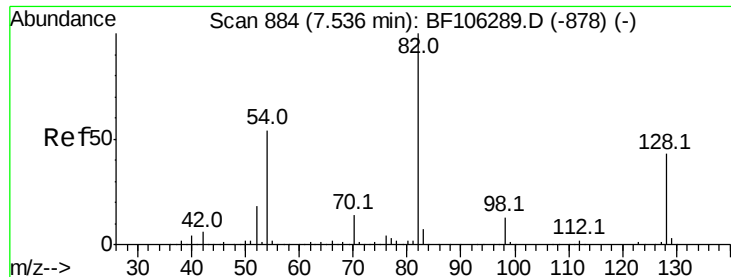
Delta R.T. 0.00 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 422463 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.9   | 13.3   |
| 54        | 8.5   | 6.6   | 9.8    |
| 68        | 6.4   | 5.0   | 7.4    |





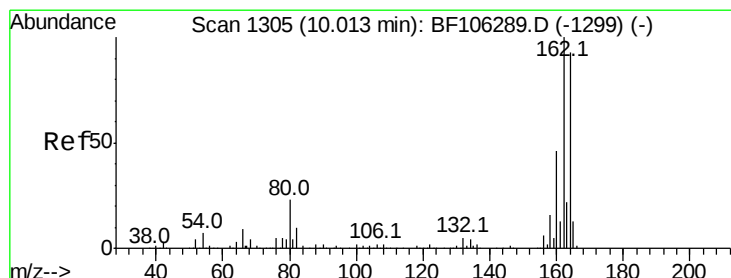
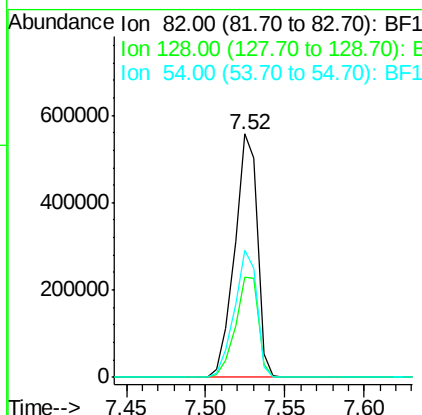
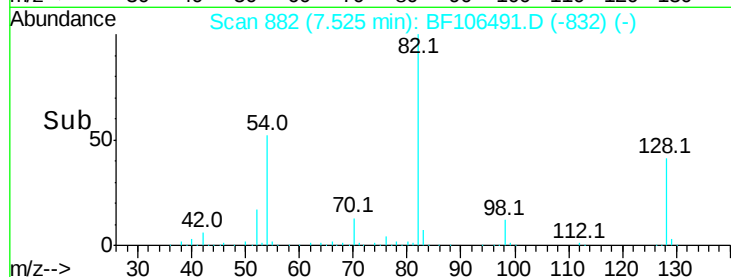
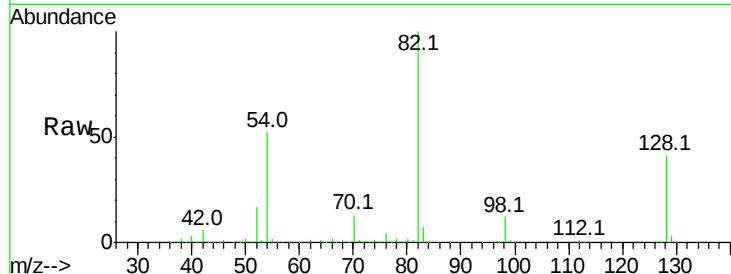
#23  
Nitrobenzene-d5  
Concen: 76.890 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampled :  
#1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 552170 |       |       |
| 128     | 41.3  |        | 36.1  | 54.1  |
| 54      | 52.0  |        | 41.4  | 62.2  |

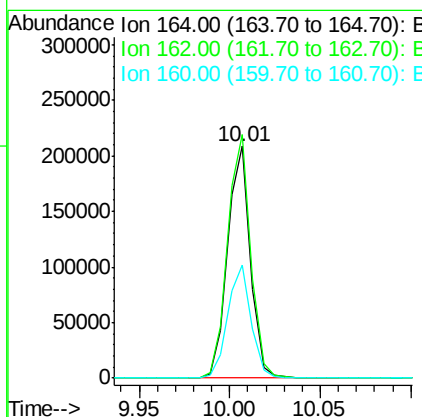
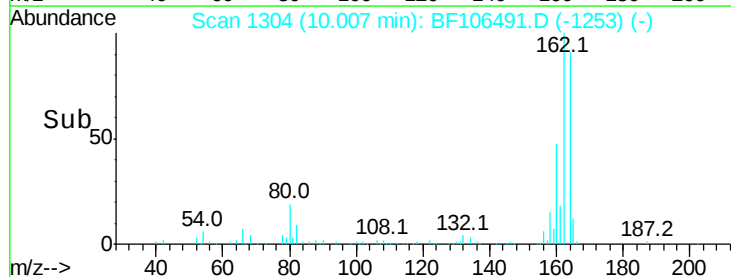
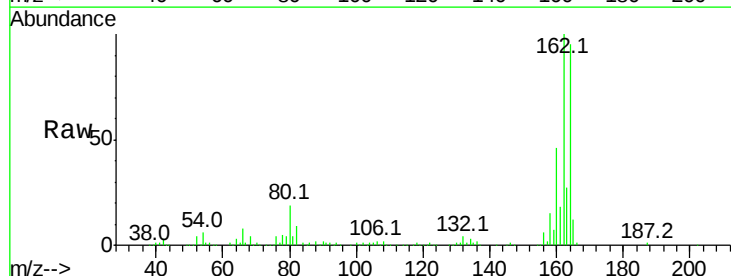
Manual Integrations  
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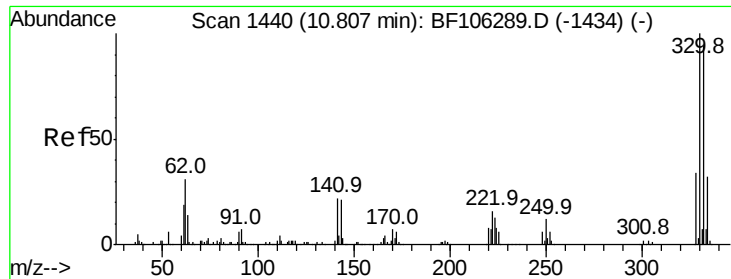
Sohil  
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 181922 |       |       |
| 162     | 105.0 |        | 86.1  | 129.1 |
| 160     | 48.7  |        | 38.3  | 57.5  |





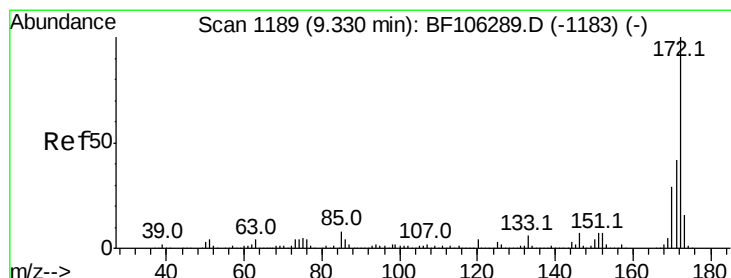
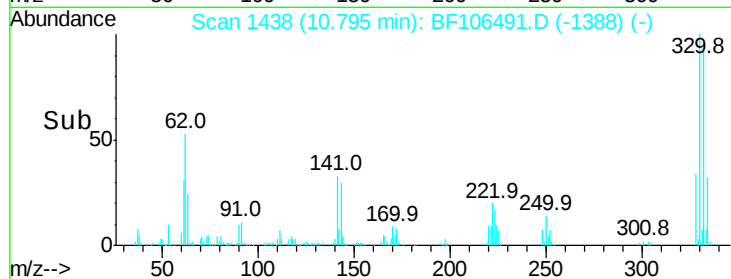
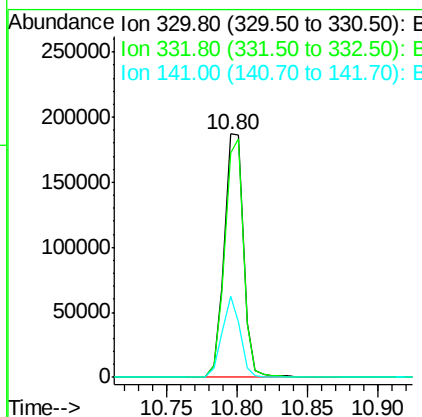
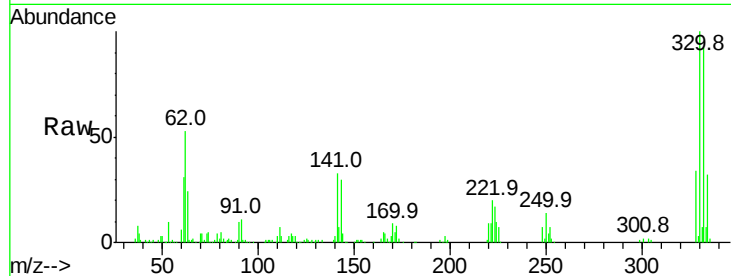
#41  
 2,4,6-Tribromophenol  
 Concen: 101.955 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106491.D  
 Acq: 15 Jun 2018 15:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 #1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 30.7  | 29.9  | 44.9  |

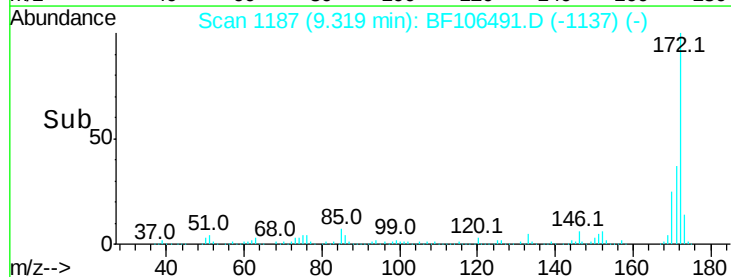
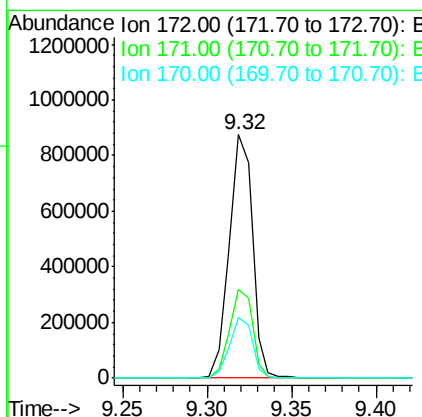
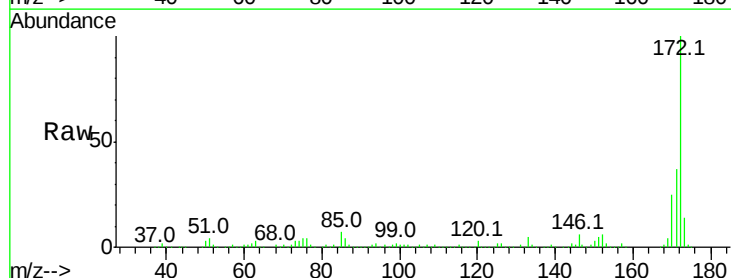
Manual Integrations  
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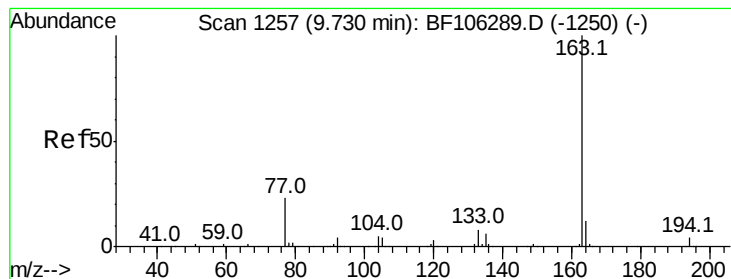
Sohil  
 6/18/2018 10:38:22 AM



#44  
 2-Fluorobiphenyl  
 Concen: 80.762 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106491.D  
 Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 25.1  | 19.6  | 29.4  |





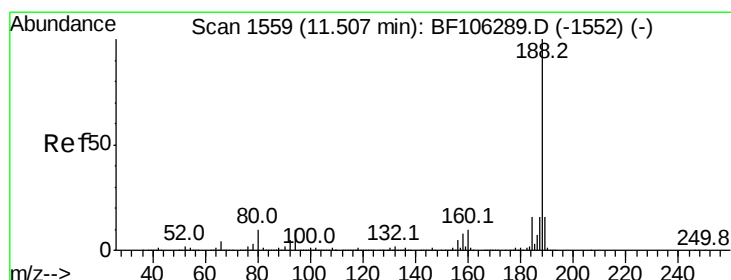
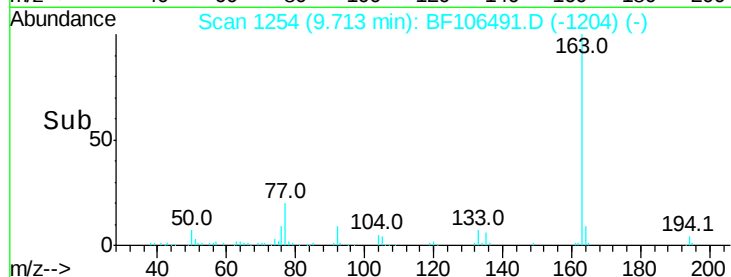
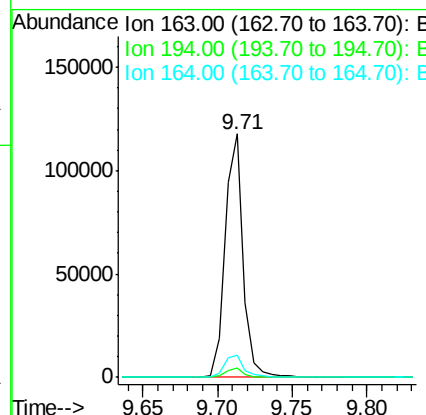
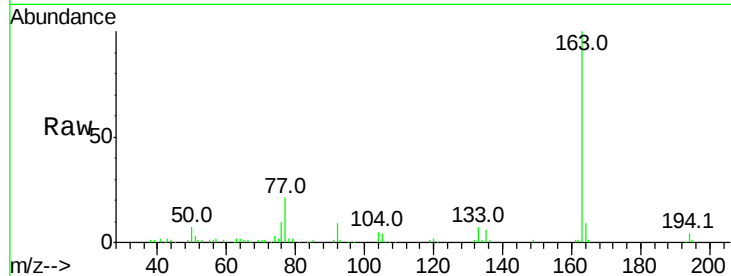
#49  
Dimethylphthalate  
Concen: 7.656 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampleId :  
#1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 99503 |       |       |
| 194     | 3.9   |       | 2.7   | 4.1   |
| 164     | 9.4   |       | 8.2   | 12.2  |

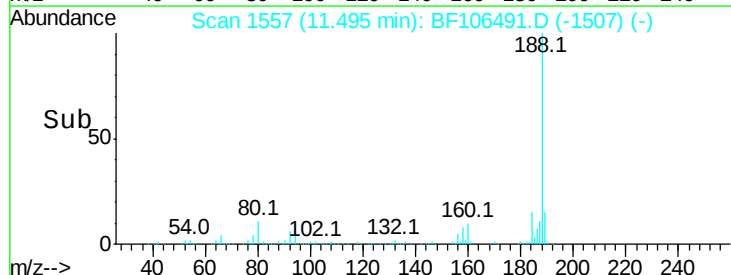
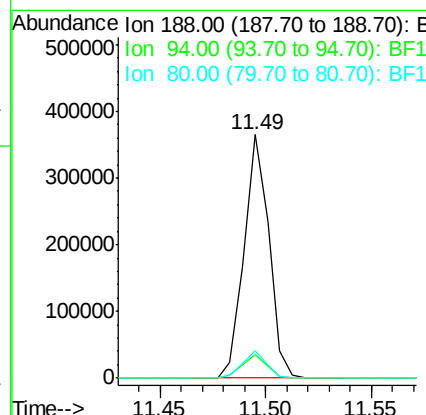
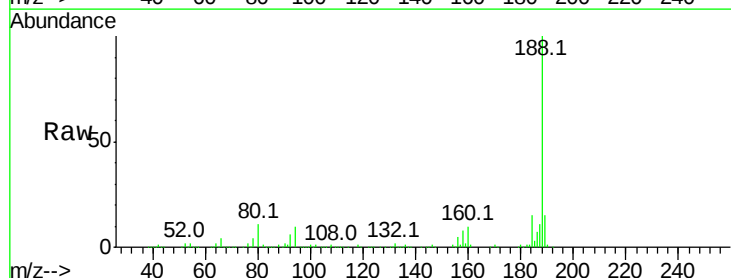
Manual Integrations  
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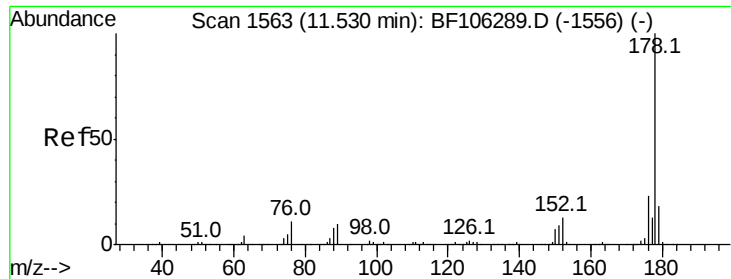
Sohil  
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#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 294738 |       |       |
| 94      | 9.7   |        | 8.5   | 12.7  |
| 80      | 11.3  |        | 9.2   | 13.8  |





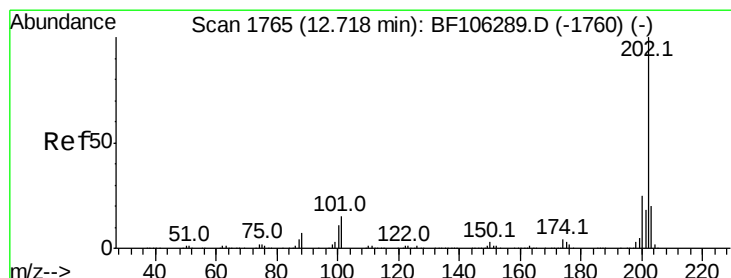
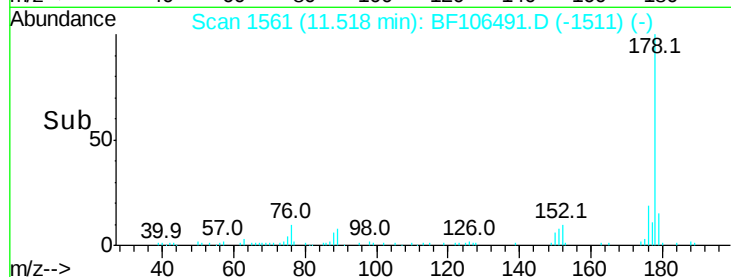
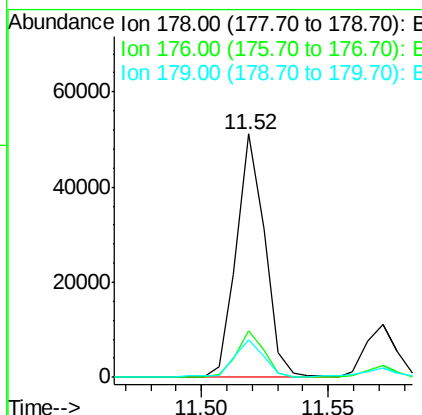
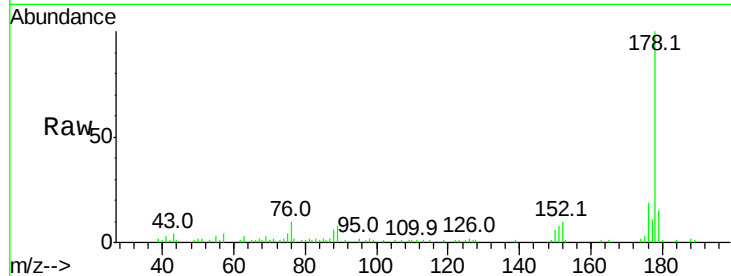
#70  
Phenanthrene  
Concen: 2.768 ng  
RT: 11.52 min Scan# 1561  
Delta R.T. -0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampleId :  
#1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.8  | 23.8  |
| 179     | 15.3  | 13.0  | 19.6  |

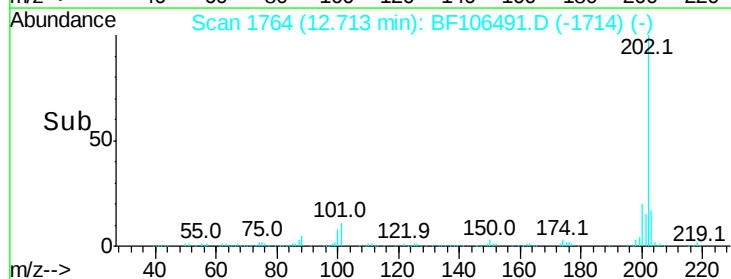
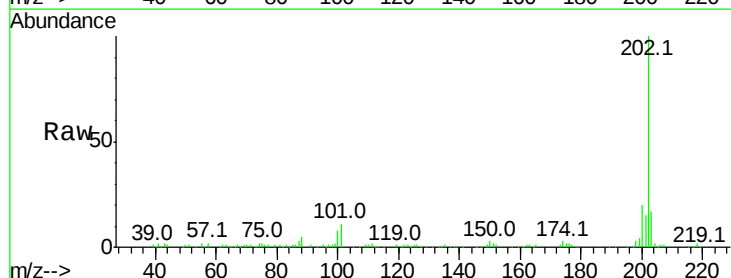
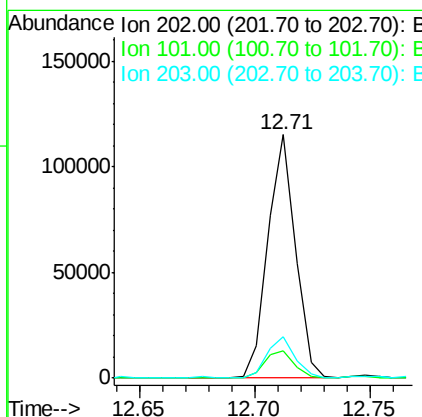
Manual Integrations  
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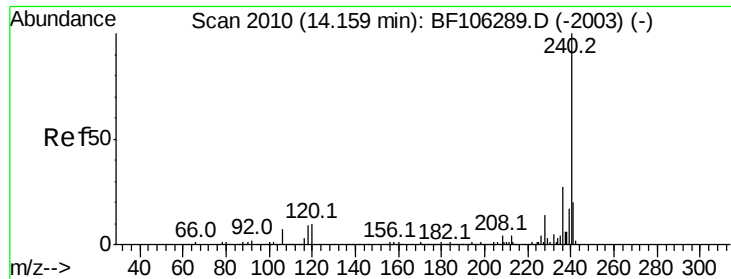
Sohil  
6/18/2018 10:38:22 AM



#74  
Fluoranthene  
Concen: 6.223 ng  
RT: 12.71 min Scan# 1764  
Delta R.T. -0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.3  | 0.0   | 34.1  |
| 203     | 17.0  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

Instrument :

BNA\_F

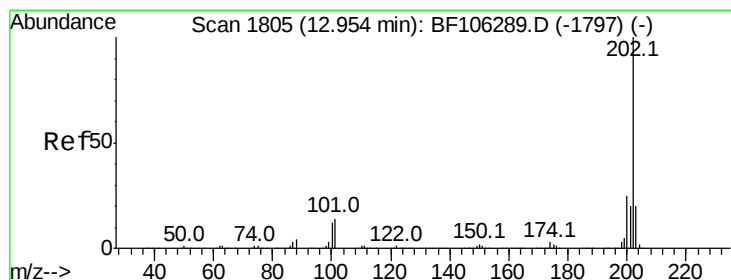
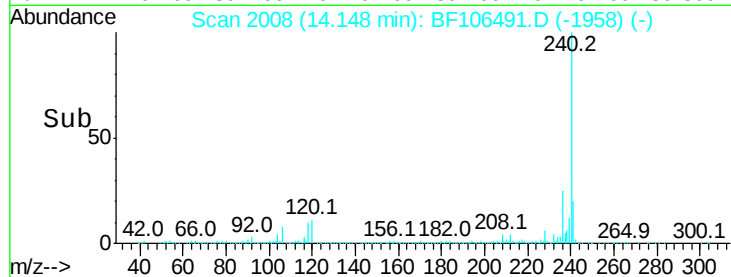
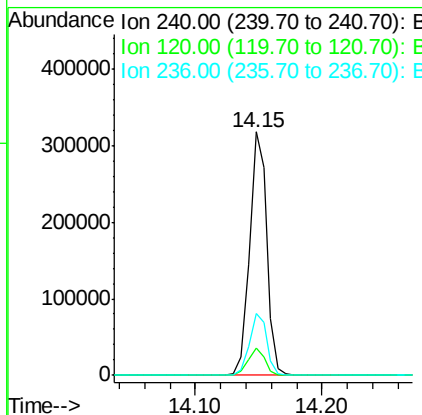
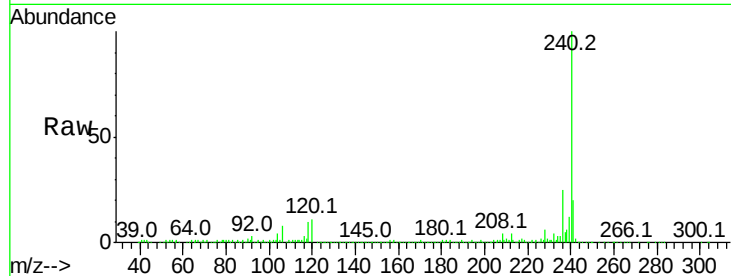
ClientSampleId :

#1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 301304 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.0  | 9.5   | 14.3   |
| 236       | 25.3  | 20.7  | 31.1   |

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#77

Pyrene

Concen: 4.898 ng

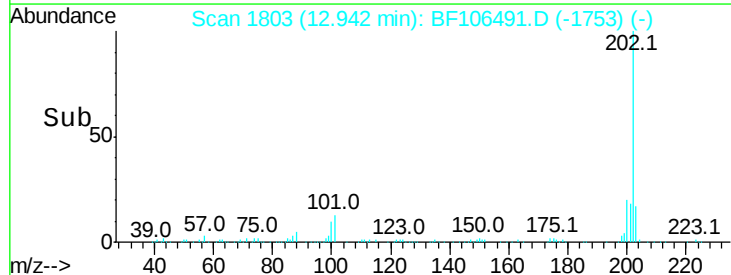
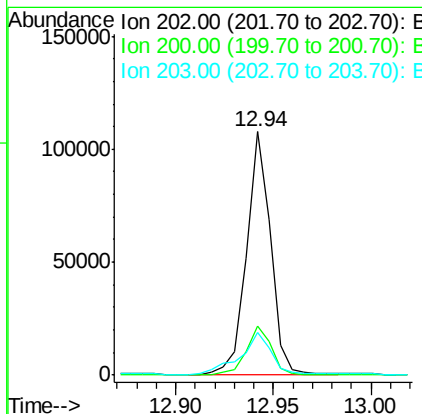
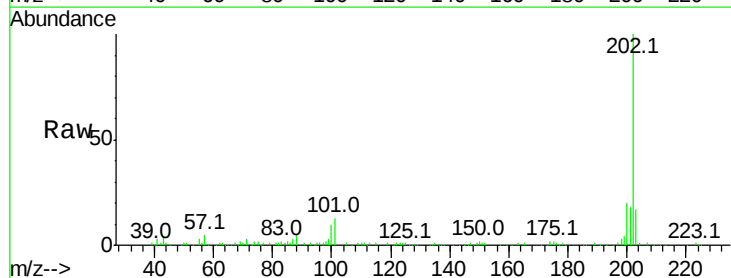
RT: 12.94 min Scan# 1803

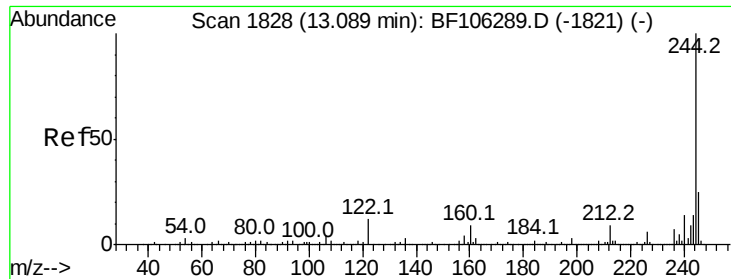
Delta R.T. -0.01 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 92396 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.4  | 17.4  | 26.2  |
| 203       | 17.3  | 14.3  | 21.5  |





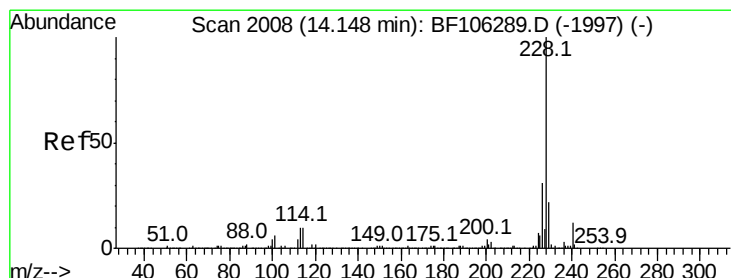
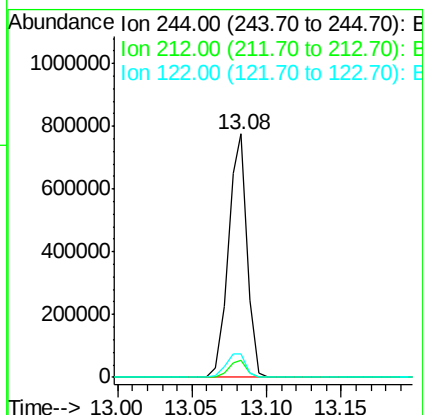
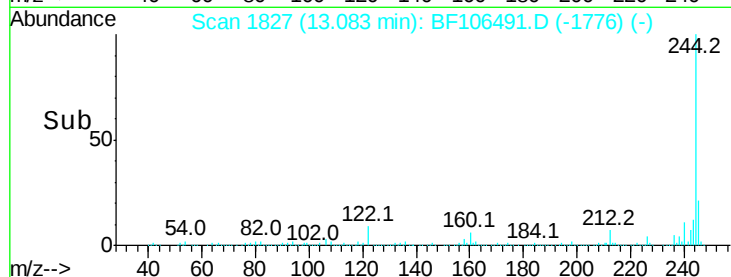
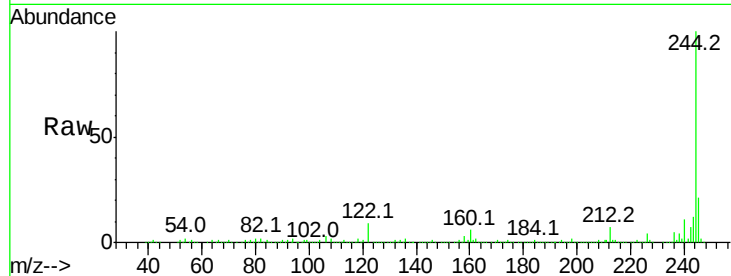
#78  
 Terphenyl-d14  
 Concen: 56.681 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. 0.00 min  
 Lab File: BF106491.D  
 Acq: 15 Jun 2018 15:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 #1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.4   | 8.0   |
| 122     | 9.4   | 11.0  | 16.4# |

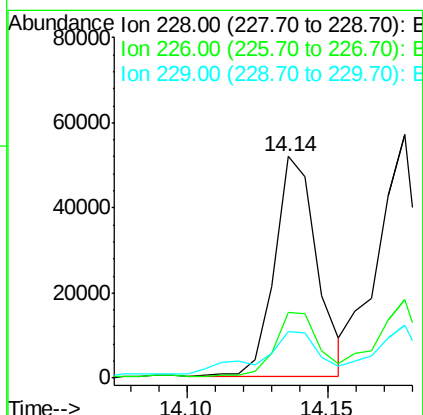
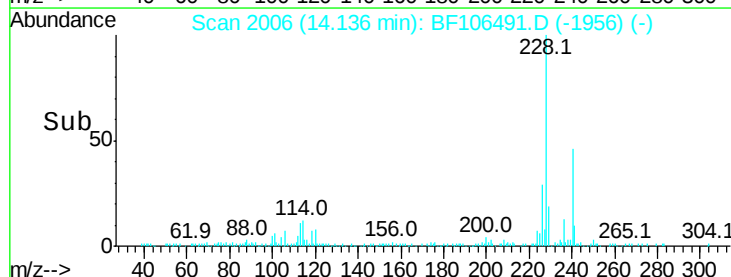
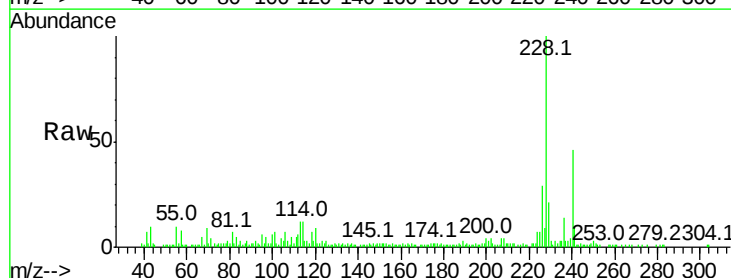
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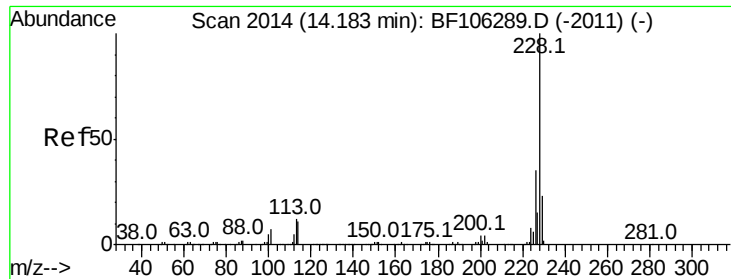
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#80  
 Benzo(a)anthracene  
 Concen: 3.001 ng  
 RT: 14.14 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BF106491.D  
 Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 22.6  | 33.8  |
| 229     | 21.1  | 15.8  | 23.6  |





#82

Chrysene

Concen: 3.492 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

Instrument :

BNA\_F

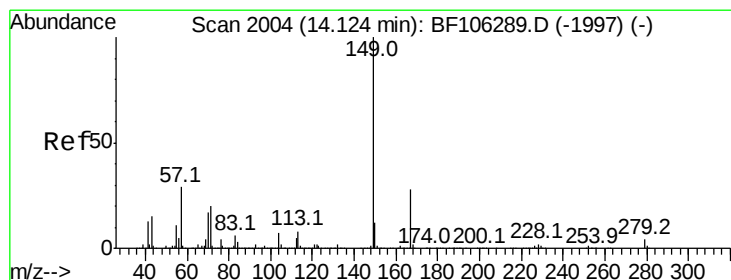
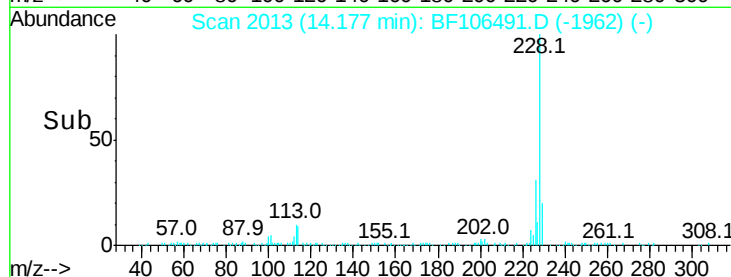
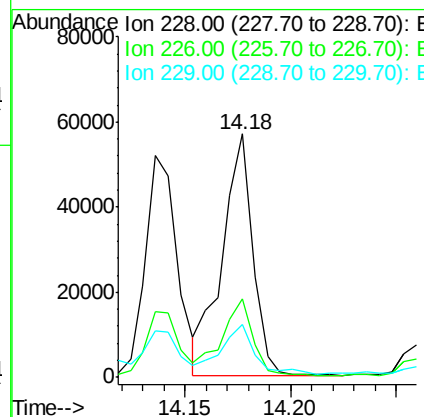
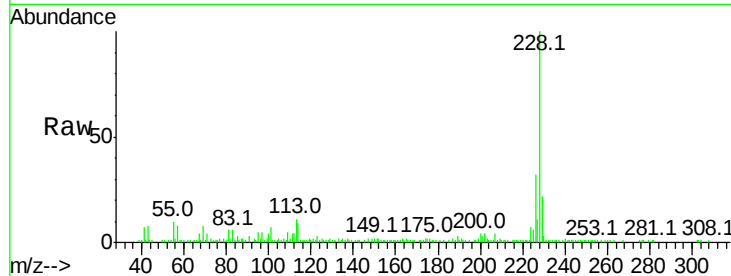
ClientSampled :

#1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 57162 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.2  | 25.0  | 37.6  |
| 229       | 21.9  | 16.2  | 24.4  |

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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.944 ng

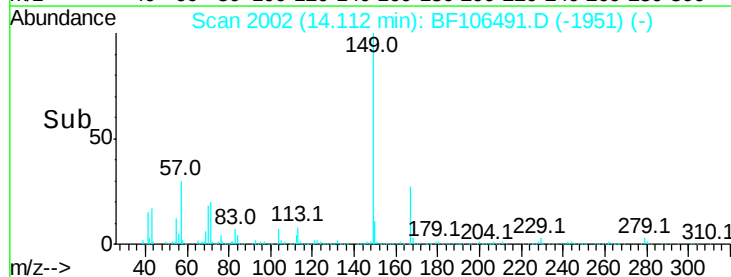
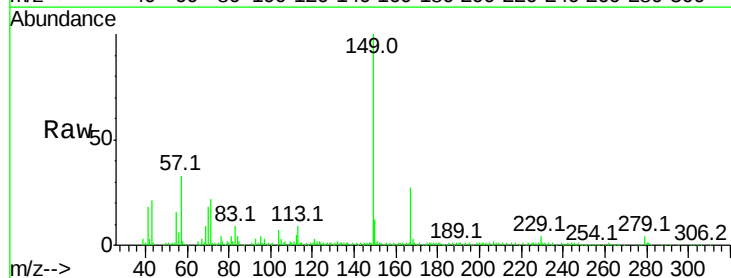
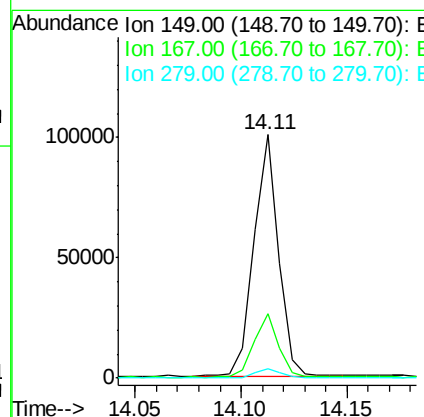
RT: 14.11 min Scan# 2002

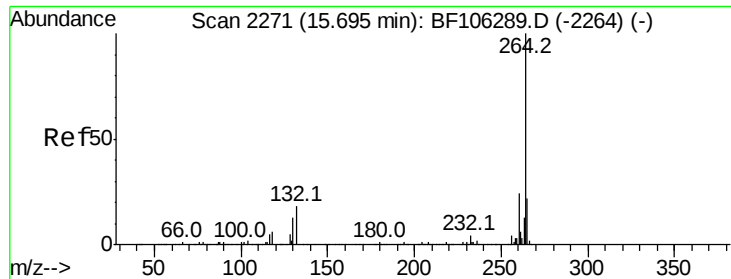
Delta R.T. 0.00 min

Lab File: BF106491.D

Acq: 15 Jun 2018 15:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 80429 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 26.7  | 21.3  | 31.9  |
| 279       | 3.7   | 3.0   | 4.4   |





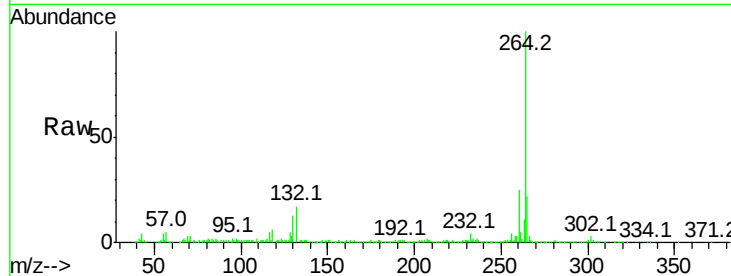
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2271  
Delta R.T. 0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampled :  
#1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 22.1  | 17.5  | 26.3  |

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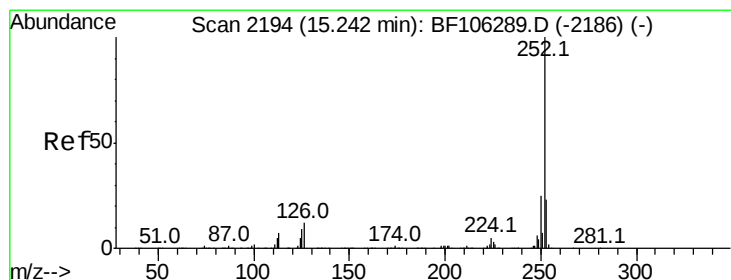
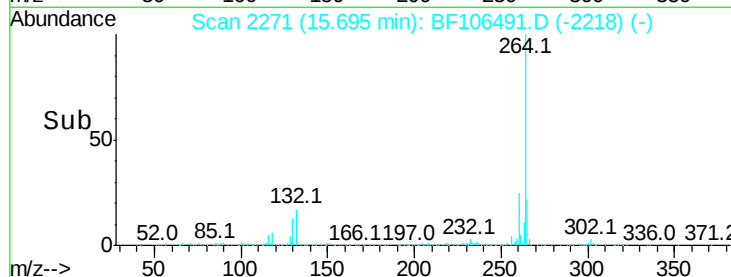
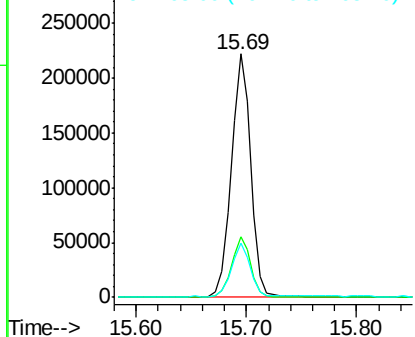


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87  
Benzo(b)fluoranthene  
Concen: 4.874 ng m  
RT: 15.24 min Scan# 2193  
Delta R.T. 0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

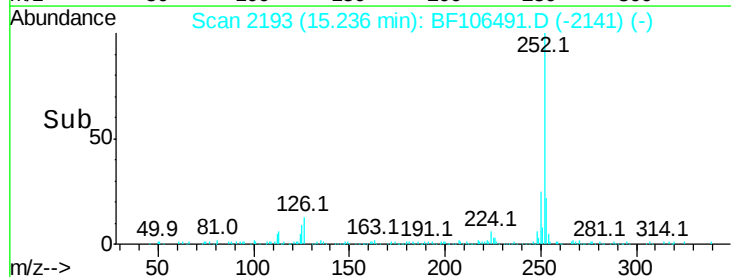
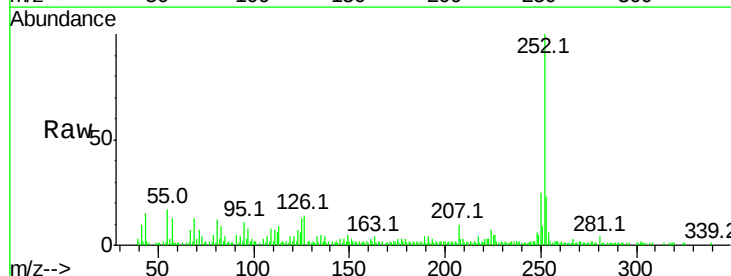
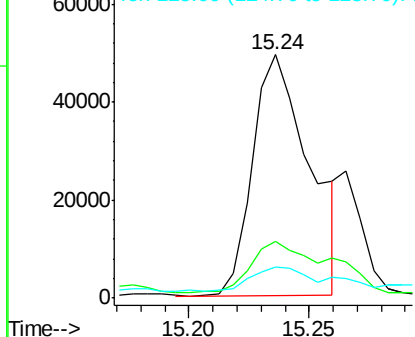
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.0  | 25.6  |
| 125     | 12.7  | 9.0   | 13.6  |

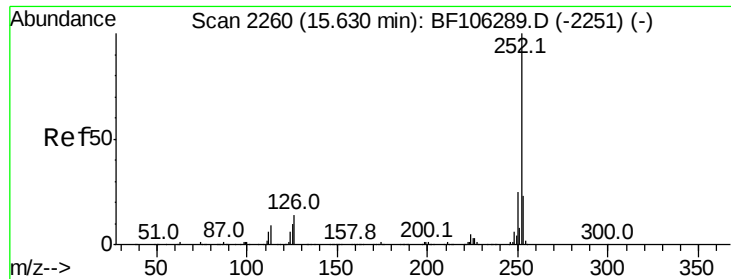
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





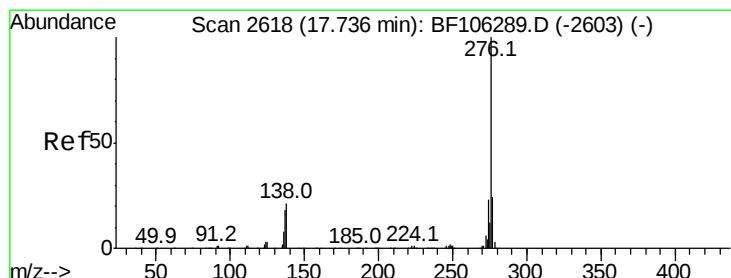
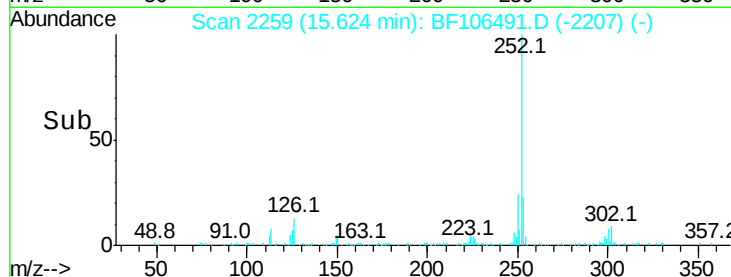
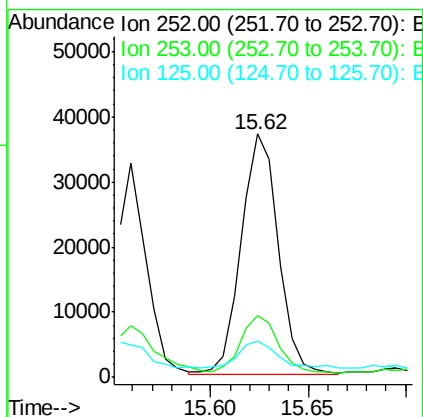
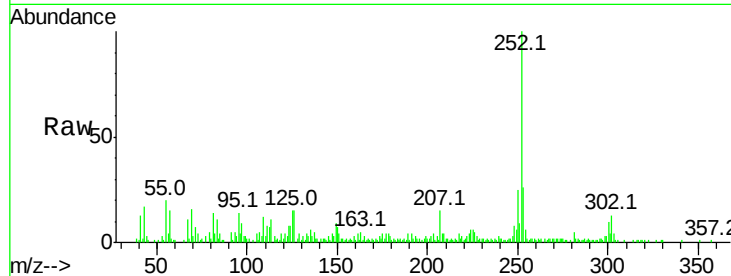
#89  
Benzo(a)pyrene  
Concen: 3.238 ng  
RT: 15.62 min Scan# 2259  
Delta R.T. 0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

Instrument :  
BNA\_F  
ClientSampled :  
#1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.5  | 17.1  | 25.7  |
| 125     | 14.8  | 9.8   | 14.6  |

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#91  
Benzo(g,h,i)perylene  
Concen: 2.099 ng  
RT: 17.74 min Scan# 2618  
Delta R.T. 0.01 min  
Lab File: BF106491.D  
Acq: 15 Jun 2018 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.4  | 17.9  | 26.9  |
| 138     | 22.3  | 21.8  | 32.8  |

